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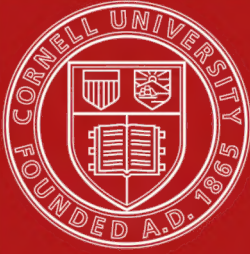
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CALANTHE  $\times$  DOMINYI, THE FIRST HOME-RAISED HYBRID ORCHID.

*See pages vii and 50.*



# THE ORCHID STUD-BOOK:

An Enumeration of Hybrid Orchids  
of Artificial Origin,

WITH THEIR PARENTS, RAISERS, DATE OF FIRST FLOWERING,  
REFERENCES TO DESCRIPTIONS AND FIGURES, AND SYNONYMY.

With an Historical Introduction and 120 Figures  
and a Chapter on Hybridising and raising  
Orchids from Seed.

BY

ROBERT ALLEN ROLFE, A.L.S.

AND

CHARLES CHAMBERLAIN HURST. F.L.S.



*A Companion Volume to the ORCHID REVIEW.*



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1909.

“Cross-breeding among Orchidaceous plants would perhaps lead to very startling results, but, unfortunately, they are not easily raised by seed.”

REV. W. HERBERT, in 1847.

## Preface.

THE object of the present work is to provide an authentic list of existing Orchid hybrids of artificial origin, arranged on a uniform system, so as to show at a glance the crosses that have already been made, the adopted name of the hybrids, the works in which they have been described and figured, the original raiser or exhibitor, and the date of first flowering—in short it is intended as a guide to the already vast literature of the subject, and a standard of nomenclature. No apology is necessary for its production—a glance at the synonymy of some of the more popular hybrids enumerated should convince anyone of the need of such a Text Book.

Many difficulties have been met with during its execution. These have partly arisen through the same hybrid having been raised independently in different collections, but chiefly through want of a uniform system. Some raisers have considered all the seedlings from the same cross as forms of one, while others have given distinct names to different seedlings out of the same seed-pod. Some hybrids have received Latin or classical names, in accordance with the rules of binomial nomenclature, or have been distinguished by the joint names of the two parents, while others have been named in the vernacular. A few have been recorded without names. In addition to this there are many hybrids whose parentage has been lost, or whose records are incomplete, contradictory, or erroneous. Stray seedlings, loss or absence of record of parentage, change of ownership of unflowered seedlings, the contemporaneous flowering of the same hybrid in different collections, and the naming of hybrids without reference to the work of earlier operators, have all contributed their quota to the confusion arising from the multiplicity of systems of nomenclature, and the result may be seen in the following pages. The object of the work is to provide a remedy for this confusion, so far as possible, and we may now proceed to describe the plan of the work.

The work is divided into two parts:—

PART I. contains an enumeration of the species and hybrids which have been used as parents, these being arranged in alphabetical sequence,

followed by the name of the resulting hybrid. The name of the first parent (in the alphabetical series) is given in heavy type in the centre of the column, and all the species with which it has been crossed are arranged alphabetically on the left, with the resulting hybrid on the right. Each parent appears again in its own alphabetical position, and thus the hybrids of any given species appear all together (those of a later date, of course appearing in the Addenda, which should also be consulted). Take *Brassavola Digbyana*, for example:—Eighteen hybrids of it appear on page 1—where also are found the eighteen species with which it has been crossed, in alphabetical order—but there are nineteen additions on page 239, so popular is this species as a parent. The name of the hybrid appears to the right of the second parent, and necessarily occurs twice, as may be seen under *Aërides* on page 1, where the two parents of *A. × hybridum* follow each other immediately, but in the very next case, *Zygonisia × Rolfeana*, they are separated by the whole width of the alphabet. Having found the name of the hybrid by means of its parents, one turns to Part II., where its history and other details are given. Part I. serves the double purpose of indicating the name of any given hybrid whose parents are known, and of shewing with what others a given species has been crossed.

PART II. contains, (1) an alphabetical enumeration of existing hybrids, each under its adopted name, followed by (2) the names of its parents, (3) references to descriptions and figures, (4) the name of the raiser or exhibitor, (5) date of first flowering, and (6) synonymy, these being followed in a few cases by (7) a short additional note. A few explanatory details must now be given under these several headings.

I. NAMES.—In all cases we have aimed at adopting the earliest correct name, but this is not invariably the name first published. Part II. commences with a few suggestions for securing greater uniformity of practice than at present exists, and the following paragraph may be repeated, as it has been our guide throughout:—

“Hybrids raised between species should receive specific names, Latin or classical, consisting of a single word—the use, however, of two short words being permissible where they can be connected with a hyphen. Short names should be used for preference, those exceeding six syllables being considered inadmissible.”

Where the earliest name agrees with this proposition it has been adopted unmodified, but if not in agreement an attempt has been made to amend it. Thus the hybrid between *Cattleya Dowiana* and *C. Eldorado* appears as *C. × Ingramiæ*, not as *C. × Lady Ingram*, the earlier form of the name, and this in spite of the fact that another name, *C. × Suzannæ*, is already in correct form. The latter appeared five years later, and remains, as it has always been, a synonym. Similar names in the vernacular have



been treated in the same way, where they could not conveniently be joined by a hyphen, but those consisting of a single word have been adopted. For the same reason *Brassocattleya* × *Veitchii* is preferred to the earlier *B.-c.* × *Digbyano-Mossiaë*, which consists of seven syllables, and *B.-c.* × *Maronæ* to *B.-c.* × *Madame Charles Maron*, which consists of three distinct words. Names formed by joining the specific appellations of the two parents without abbreviation have generally been avoided, as too long, though this does not always apply. Further, such names have often been used in some particular sense. Thus we have *Odontoglossum* × *crispo-Hallii* and *O.* × *Hallio-crispum*, the latter being the reversed cross, but both are here included under *O.* × *Cooksoni*. In a similar way *O.* × *spectabile* includes both *O.* × *crispo-Harryanum* and *O.* × *Harryano-crispum*. Names formed by combining portions of the names of the parents have been adopted.

2. PARENTS.—The names of the parents are given in their alphabetical sequence, and in most cases where the seed parent is definitely recorded the sign ♀ follows the name. But in many cases the record is not clear, and where doubt exists the sign has been omitted. Raisers might help to fill up some of these blanks, and to correct any that are known to be erroneous.

3. REFERENCES.—We have aimed at giving a reference to the original record in all cases, though the remark may not always apply to reports of the same meeting in different papers. The hybrids exhibited at meetings of the Royal Horticultural Society are taken from the *Gardeners' Chronicle*, the records being continuous from the time of the epoch-making *Calanthe* × *Dominyi*. Those exhibited at meetings of the Société Nationale d'Horticulture de France are mostly taken from the Society's *Journal*, though some of the records appear a little earlier in contemporary publications, which are also cited in many cases. The *Orchid Review* is cited regularly, so far as the first reference and any additional information is concerned. Owing to the appearance in the first volume of the "History of Orchid Hybridisation," and the continuous records since, the information is in a very available form. Other works are cited where the information found appears to be of sufficient importance.

FIGURES.—Except in cases where they are unduly numerous, an attempt has been made to give a complete list of published figures, (avoiding, however, mere repetitions in the same work), and these are indicated by the letters "t" and "f." Any varietal names of the plants figured are given within brackets, immediately following the figure, as (*v. oculata*), (*v. aureo-marginata*), and (*v. magnifica*), which indicate varieties of *Cattleya* × *Iris* (p. 59). This point is mentioned, because it was found impracticable to include the multitudinous varieties which have appeared within the

scope of the work, and a selection would have been both difficult and unsatisfactory.

LIST OF WORKS CITED.—Space has been economised by a great abbreviation of the titles of works that are frequently cited, but a detailed list is given at the end of the Introduction.

4. RAISER OR EXHIBITOR.—The names following the list of references are those of the Raiser or Exhibitor, for the two are sometimes different, and in such cases the actual raiser is often not on record. Where the two are known to be different the name of the actual raiser is given first, within brackets, followed by that of the exhibitor or introducer, as, for example, “*Brassocattleya* × *heatonensis*.—(Charlesworth) Hye.”

5. DATE.—The date is intended to indicate the period of first flowering, but this is not always known with certainty. The date of the first record is taken unless there is information to the contrary, as in the case of *Cattleya* × *Apollo*, which flowered six years before it was recorded. It may be added here that seedlings which are recorded as unflowered are not included.

6. SYNONYMY.—This has proved an unusually difficult subject. A glance at page 97 will show that the well-known hybrid between *Cattleya Mossiæ* and *Lælia purpurata* (*Læliocattleya* × *Canhamiana*) has been recorded under nineteen distinct names, while *Paphiopedilum* × *aureum* has nearly forty synonyms. The latter may be an exceptional case, and a good example of the wide diversity of character often shown by secondary hybrids (even out of the same capsule), which seem to defy all attempts to name them satisfactorily, but generally speaking there has been a careless and even reckless multiplication of synonymy. But hybrids with imperfect or contradictory records have proved still more difficult. It was impossible to ascertain whether they should be regarded as distinct or as forms of something else, and many such have had to be omitted because of the sheer impossibility of knowing where to put them. The records or the plants may exist somewhere, and if so we hope that the absence of the names will be detected, and that such information will be forthcoming as will serve to clear up their history. A similar difficulty may have led to some of them being inserted in the wrong place, and if so we hope the errors will be pointed out. The synonyms are arranged as far as possible chronologically, which shows the history of any given hybrid better than an alphabetical arrangement.

ILLUSTRATIONS.—The text is illustrated with 120 figures of hybrids in half tone, which can well be left to speak for themselves. In two or three cases the parents are also shown.

7. ADDITIONAL NOTES.—These explain themselves, and it is only necessary to add that they either contain information not included else-

where, or call attention to points requiring elucidation. They might easily have been extended, but for the fear that the work might outgrow the limits assigned.

ADDENDA.—The Addenda has outgrown its intended limits, because the work has taken so much longer to complete than was anticipated. Roughly speaking, it may be said to contain three years additions, up to the end of 1907. As the plan is uniform throughout, it is only necessary to add that the numbers indicate the position in the body of the work. Numbers followed by letters, a, b, c. &c., indicate actual additions, but the remainder indicate additional information respecting names previously enumerated. It is intended to give later and future additions in the *Orchid Review*, so as to prevent the work from falling out of date. Particulars of this appear on page 326, after the Index.

INDEX.—As the adopted names of the hybrids, as well as those of their parents, follow a strict alphabetical sequence, it has been thought necessary to give only an Index of Synonyms. The Addenda, however, of both Parts I. and II. should not be overlooked by those who consult the work. Finally appears a LIST OF ILLUSTRATIONS, 120 in number.

OMISSIONS.—A few remarks under this head appear necessary. The absence of many hybrids of unknown or doubtful parentage has already been explained as unavoidable, but the omission of many well-known natural hybrids, as *Odontoglossum* × *Andersonianum* and *Læliocattleya* × *elegans*, may occasion surprise, especially as they appear in the list of parents. But a careful examination of the programme will show that, strictly speaking, natural hybrids do not come within the limits of the work, and can only be included when they have been raised artificially. They are more numerous than is generally realised, and their inclusion would have greatly extended the bulk and difficulty of the work. Many are also not in cultivation. It was necessary to draw the line somewhere, and it may yet be possible to deal with them elsewhere. The inclusion of the multitudinous named varieties was impossible, and a selection would have been both difficult and unsatisfactory, but we have been able to indicate those that have been figured, by the inclusion of the varietal name within brackets after the figure cited. The only other matter which occurs to us is the omission of Awards. They had been included, but it was found that there was such an utter want of uniformity between the systems of the different Societies, and the value of their awards at different periods, that the record was not worth the space required, and they were again cancelled. The records of the different Societies must be consulted for them.

SECONDARY AND MORE COMPLEX HYBRIDS.—A great deal of difficulty has been experienced in dealing with secondary hybrids and those of more complex parentage. Although we have treated them the same as primary

hybrids it is felt that the plan is not satisfactory. Primary hybrids usually combine the characters of their parents in such a way that they can easily be recognised, and the variations assumed by different individuals from the same seed pod or the same cross are seldom great enough to prevent them from being recognised, and had the matter gone no further most of the difficulties could have been got over with very little trouble. But we now have hybrids of almost every degree of complexity—primary hybrids recrossed with their own parents, or crossed with other species or hybrids; hybrids derived from two species in which the parents are combined in equal and in unequal proportions; hybrids derived from three species, from four, and one even from five species; and while some of these complex hybrids vary enormously between themselves they also in some cases resemble others that are known to have been derived from different crosses. In short there are hybrids whose parentage cannot be fixed with any degree of certainty by an analysis of their characters, because of the amount of reversion that has taken place. Then there is that curious complication that certain crosses which from their parentage appear to be distinct, yet on analysis prove identical. To put the case differently, the same hybrid may be obtained in two different ways. For example, *Odontoglossum nobile* crossed with *O. × spectabile* would appear to be a distinct hybrid from *O. × Rolfeæ* crossed with *O. × armainvillierense*, but an analysis of parentage shows that both are composed of half *O. nobile*, a quarter *O. crispum*, and a quarter *O. Harryanum*. The two have been left under their respective names of *O. × percultum* and *O. × Ossultoni*, but it is at least a question whether they ought not to have been regarded as forms of one. And this is only a type of a series. Owing to these perplexing facts it becomes a question whether secondary and more complex hybrids may not in the future have to be treated in a different way from primary ones, or at all events have to be classified separately. The species in certain genera are now becoming so completely linked up by chains of hybrids that we may have to treat these complex forms purely as florists' flowers, selecting and naming only such as show distinct improvements on their predecessors and ignoring the remainder. Some such selective method seems almost inevitable in the near future.

With these remarks we commend the work to our readers, in the hope that their friendly criticism and kindly help will lead to its improvement in the event of another edition being called for.

To Messrs. R. T., G. B. and F. W. Rolfe our thanks are due for help in reading the proof and in some other details.

R. A. ROLFE,  
C. C. HURST.



## THE HISTORY OF ORCHID HYBRIDISATION.

“ON the 28th of October, 1856,” writes Dr. Lindley (*Gard. Chron.*, 1858, p. 4), “Mr. James Veitch, jun., of the Exotic Nursery, Chelsea, brought to the writer of this memorandum a flower of a *Calanthe*, which combined the peculiar hairy forked spur and deeply lobed lip of the white *Calanthe furcata*, with the violet colour and broad middle lobe of the lip of *C. Masuca*. One might have said that the flowers were just intermediate between the two. . . . It appears that it had been raised in the Exotic Nursery, by Mr. Dominy, Messrs. Veitch’s indefatigable and very intelligent foreman, between *C. Masuca* and *C. furcata*. The seed was obtained in 1854 by crossing these two species, was immediately sown, and in two years the seedlings were in flower.” Nor is it the least remarkable circumstance connected with this production that it grows and flowers freely, while *C. Masuca* is a ‘shy’ plant. We therefore propose, with much pleasure, that the name of the hybrid be *Calanthe Dominii*, in order to put upon record the name of the first man who succeeded in this operation. He is indeed specially entitled to this distinction, not only in consequence of having produced other Orchidaceous mules, among which we understand are *Cattleyas*, but because of his eminent success in raising such plants from seed, as a matter of horticultural business.” This was over a year after the event, but it is upon record that when Mr. Veitch first showed him the plant the Doctor exclaimed, “Why, you will drive the botanists mad!” This historic plant is figured as the frontispiece to the present work.

It was Mr. John Harris, a surgeon, of Exeter, who suggested to Dominy the possibility of muling Orchids, and who pointed out to him the reproductive organs seated in the column, and showed that the application of the pollinia to the stigmatic surface was analogous to the dusting of the stigma of other flowers with pollen.

The Rev. W. Herbert, Dean of Manchester, had previously suggested the possibility of raising hybrid Orchids. In a paper entitled “On Hybridisation among Vegetables,” published in 1847 (*Journ. Hort. Soc.*, ii. p. 104), he remarked, “Cross breeding among Orchidaceous plants would perhaps lead to very startling results; but, unfortunately, they are not easily raised by seed. I have, however, raised *Bletia*, *Cattleya*, *Orchis* (*Herminium*) *Monorchis* and *Ophrys aranifera* from seed; and if I were not during the greater part of the year absent from the place where my plants are deposited, I think I could succeed in obtaining crosses in that order. I had well-formed pods last spring of *Orchis* by pollen of *Ophrys*

as well as of other species of *Orchis* which had been forced; and if I had remained on the spot I think I should have obtained some cross-bred Orchidaceous seed. An intelligent gardener may do much for science by attempts of this kind, if he keeps accurate notes of what he attempts, and does not jump at immature conclusions." This is interesting as the earliest note on the subject that we have met with, and because it appeared at a time when there was a prevalent notion among gardeners that muling among Orchids was an impossibility. The results, however, must be classed among the "might-have-beens," and we may return to Dominy.

Dominy is said to have commenced his hybridising operations in 1853, with the genus *Cattleya*, and six years later the first flowers appeared. In August 1859, five seedling plants were exhibited at a meeting of the Horticultural Society by Messrs. Veitch, which were noted as extremely interesting, and as affording the first examples of well-marked and really showy new forms of Orchids produced by hybridisation. They were ultimately named *Cattleya* × *hybrida*, and it is unfortunate that Dominy did not carry out Dean Herbert's injunction to keep accurate records, for the parentage of this *Cattleya* was given first as *C. granulosa* and *C. Harrisoniana*, then as *C. granulosa* and *C. Leopoldi*, and finally as *C. guttata* and *C. intermedia*. *C. guttata* and *Loddigesii* are now accepted as the parents.

A second *Cattleya*, *C. × Dominiana*, obtained from *C. maxima* and *C. intermedia*, was exhibited in the November following.

In December, 1859, the beautiful *Calanthe* × *Veitchii*, a hybrid between *C. rosea* and *C. vestita*, made its appearance, and received a First-class Certificate from the Horticultural Society. This is one of the most popular hybrids yet raised, and is now largely cultivated as a very useful autumn-flowering plant.

In June, 1861, a fifth hybrid appeared, and also received a First-class Certificate, under the name of *Goodyera* × *Dominii*. Its parents were recorded as *Goodyera discolor* and *Anæctochilus Lowii*, now known as *Hæmaria discolor* and *Dossinia marmorata*, and thus was the first generic cross. It was afterwards called *Dossinimaria* × *Dominii*, and now seems to have been lost sight of.

In July, 1862, another ornamental-leaved Orchid was exhibited, under the name of *Goodyera* × *Veitchii*, also receiving a First-class Certificate. It was another generic hybrid, its parents being *Hæmaria discolor* and *Macodes Petola*. It is now known as *Macomaria* × *Veitchii*.

In September, 1863, the first *Læliocattleya* flowered, though the name did not appear till long afterwards. It was exhibited as *Cattleya* × *exoniensis*, and its parents were at first given as *Cattleya Mossiæ* and *Lælia purpurata*, but the second parent was afterwards corrected to *L.*

crispa. This parentage was ultimately confirmed by a repetition of the cross.

In May, 1864, the first hybrid *Lælia* appeared, though it was exhibited under the name of *Cattleya* × *Pilcheri*. Its parents were *Lælia* *crispa* and *L. Perrinii*, and it must have been one of Dominy's earliest hybrids, for it is said to have been raised in 1853. It is now known as *Lælia* × *Pilcheri*.

In May, 1865, another ornamental-leaved hybrid appeared, and received a First-class Certificate under the name of *Anæctochilus* × *Domini*. Its parents were *Hæmaria* *discolor* and *Anæctochilus* *Roxburghii* (*xanthophyllus*), and the plant has since been named *Anæctomaria* × *Domini*, being the third generic hybrid in the *Anæctochilus* group.

Early in 1867 another interesting generic hybrid flowered, its parents being *Phaius* *grandifolius* and *Calanthe* *vestita*. It was described by Reichenbach under the name of *Phaius* × *irroratus*, as "one of the beautiful evidences of Mr. Dominy's unrivalled talent in hybridising Orchids."

It was not until 1869 that a hybrid *Cypripedium* appeared, when *C.* × *Harrisianum* flowered for the first time. It was raised from *C. villosum*, fertilized with the pollen of *C. barbatum*, and was named by Prof. Reichenbach after Dr. Harris, of Exeter, who first gave Mr. Dominy the idea of hybridising Orchids. It is now called *Paphiopedilum* × *Harrisianum*, the tropical species being generically distinct.

In 1870 *Cypripedium* × *Dominianum* was described by Reichenbach, as a hybrid derived from *C. caricinum* fertilized with the pollen of *C. caudatum*. The author gave the alternative name of *Selenipedium* × *Dominianum*, thus adding a new genus to the list. It has since, however, been called *Phragmopedilum* × *Dominianum*, for it is now known that the genus *Selenipedium* proper is not in cultivation.

In the same year the first hybrid of *Cypripedium* *Fairrie*anum flowered, and was described by Reichenbach under the name of *C.* × *vexillarium*, as "one of the surprises which Mr. Dominy prepares for the Messrs. Veitch." *C. barbatum* was the seed parent. It is now referred to *Paphiopedilum*.

Early in 1871, Mr. Burbidge published in the *Gardeners' Chronicle* a list of the Hybrid Orchids raised up to that period, in which occurs the name of *Aërides* × *hybridum*, raised from *A. affine* and *A. Fieldingii*, thus adding another genus to the list. There is no clue to the date, and we do not know of another record, nor yet what became of the plant.

The first successful follower of Mr. Dominy appears to have been Mr. Cross, gardener to Lady Ashburton, of Melchet Court, Hampshire, who obtained *Cypripedium* × *Ashburtoniæ* by crossing *C. barbatum* with the pollen of *C. insigne*. It flowered and was described in 1871. Two years later he added *C.* × *Crossianum*, obtained from *C. insigne* crossed with the pollen of *C. venustum*. They were the first hybrids from *C. insigne*,

and both were distributed by Messrs. Veitch. They are now referred to *Paphiopedilum*.

Mr. Seden next appeared upon the scene, having succeeded Mr. Dominy in the work at the Royal Exotic Nursery. His first hybrid was described as *Cypripedium* or *Selenipedium* × *Sedeni*. It was obtained by crossing *Selenipedium longifolium* with the pollen of *S. Schlimii*, and *vice versa*, both crosses flowering for the first time in 1873, and proving absolutely identical. It is a handsome hybrid, combining the best characters of both parents, and is now known as *Phragmopedilum* × *Sedenii*.

In 1873, also, what was really the first secondary hybrid appeared, through it was described under the name of *Cattleya* × *fausta*. It was said to be "just intermediate between *C. Loddigesii*, as the ♀, or seed parent, and *C. × exoniensis*, as the ♂, or pollen parent. Two forms were described at the outset—the typical form, with rosy-lilac sepals and petals and a paler lip, and the variety *radicans*, distinguished by the presence of a number of dark purplish veins and streaks on the anterior part of the lip. Thus it afforded an indication of what has since been repeatedly confirmed, namely, that secondary hybrids are especially variable, plants raised from the same seed-pod often exhibiting great dissimilarity between themselves. It is now known as *Læliocattleya* × *fausta*.

The genus *Dendrobium* was next added to the list. In February, 1874, *Dendrobium* × *Ainsworthii* flowered for the first time, and received a First-class Certificate. It was raised in the collection of Dr. Ainsworth, of Lower Broughton, near Manchester, by Mr. Mitchell, between *D. aureum* ♀ and *D. nobile* ♂, and the seed is said to have been sown about seven years previously. It has since been recorded that plants of the same cross were raised by Mr. West, at the Fairfield Nursery, near Manchester, at about the same time.

The year 1874 also saw the additions of two other genera, *Chysis* and *Zygopetalum*, to the list, as the result of Mr. Seden's industry.

*Chysis* × *Sedeni* was recorded as a hybrid seedling between *C. Limminghei* ♀ and *C. bractescens* ♂, but Reichenbach suggested *C. lævis* as the pollen parent, which is clearly correct.

*Zygopetalum* × *Sedeni* was described as a hybrid between *Z. Mackayi* and *Z. maxillare*, the latter being the seed parent. It received a First-class Certificate from the Horticultural Society.

Hybrid Orchids were now decidedly on the increase, for at least ten were recorded during 1876, three of which were the work of new operators.

The first hybrid raised in the collection of John C. Bowring, Esq Forest Farm, Windsor, was *Cypripedium* × *stenophyllum*, its parents being *C. Schlimii* and *C. caricinum*. It is now referred to *Phragmopedilum*.



Mr. W. Swan, gardener to W. Leech, Esq., Oakley, Fallowfield, Manchester, made his debut with a hybrid between *Cypripedium Dayanum* ♀ and *C. barbatum* ♂, which was named *C. × Swanianum* by Reichenbach, in honour of the raiser.

Later in the year Messrs. Rollisson & Sons, of Tooting, flowered a hybrid which was said to have been raised by Mr. Mylam, from *Cattleya granulosa* crossed with the pollen of *Lælia crispa*, and was named *Lælia × Mylamiana*. It is said to have been raised in 1863, and is now known as *Læliocattleya × Mylamiana*.

The following year revealed the existence of another recruit, when *Zygopetalum × Clayi* flowered in the collection of Colonel Clay, of Birkenhead. Its parents were *Z. crinitum* and *Z. maxillare*, and it received a First-Class Certificate from the Manchester Botanical and Horticultural Society in April, 1877.

The event of 1878 was the flowering of a very handsome hybrid from *Cattleya Dowiana*, which was described under the name of *Lælia × Dominiana*. The second parent was said to be "some *Lælia*, probably *elegans*," but long afterwards it was proved by the repetition of the cross to be *L. purpurata*. It was the last of Mr. Dominy's hybrids, and a fitting climax to his labours, for if depth and richness of colouring be the criterion of excellence it is not only unrivalled among this raiser's productions, but is scarcely surpassed at the present day. It is now known as *Læliocattleya × Dominiana*.

It is evident that some of Mr. Dominy's hybrids were not recorded when they flowered for the first time, for *Dendrobium × Dominyanum* (*D. nobile* ♀ × *Linawianum* ♂), which was described in 1878, was said to have been obtained by Mr. Dominy "a very long time ago," and although not recorded until four years after *D. × Ainsworthii* it was evidently the first hybrid in the genus. *Cattleya × felix* also, described in 1876, was said to be one of the oldest seedlings raised by Mr. Dominy. Its parents were *Lælia crispa* and *Cattleya Schilleraiana*, and it was afterwards named *Læliocattleya × felix*. Again, *Cypripedium × calophyllum*, which was described in 1880, was said to be "one of the oldest artificial hybrids, having been gained at the Royal Exotic Nursery a long time ago." It was a seedling from *C. barbatum* and *C. venustum*, and is now called *Paphiopedilum × calophyllum*.

As we have been unable to mention all Mr. Dominy's hybrids individually we may here remark that they number twenty-five, and comprise six *Cattleyas*, one *Lælia*, six hybrids between the two genera, two *Calanthes*, one hybrid between *Calanthe* and *Phaius*, three *Cypripediums*, one *Selenipedium*, one *Dendrobium*, one *Aërides* (probably lost), and three hybrids of the *Anæctochilus* group. They extended over a period of more

than twenty years. Mr. Dominy's name will always be remembered as the pioneer of this interesting branch of horticulture. In 1880, on the occasion of his retirement from Messrs. Veitch's service, the Royal Horticultural Society presented him with a Gold Medal in recognition of his services to horticulture.

The genus *Lycaste* was added to the list in 1878, when a hybrid between *L. Skinneri* and *L. Deppei* flowered in the collection of Mr. W. Marshall, of Enfield. It was recorded without a name, but was afterwards called *Lycaste* × *hybrida*.

Hybrids now began to increase rapidly in number, and we shall only be able to indicate a few of the more prominent landmarks. Half-a-dozen novelties appeared in 1879, belonging to genera already mentioned.

In 1880 another genus was added to the list, when the handsome *Masdevallia* × *Chelsoni* flowered for the first time. It was obtained by Mr. Seden from *M. amabilis* crossed with the pollen of *M. Veitchiana*, and the flowers exhibit a charming combination of orange and scarlet.

In 1880 a batch of four hybrids raised by a new operator appeared, and were described together as *Cypripedium* × *meirax*, × *chloroneurum*, × *politum*, and × *melanophthalmum*. Reichenbach spoke of them as a lot of fresh hybrids, raised by Mr. Robert Warner, of Broomfield, whose history is not known, probably in consequence of a lost pocket book. All of them he believes had *C. venustum* for one parent. Their history was discussed some time ago (*Orch. Rev.*, 1905, pp. 291-293).

In 1881 a hybrid *Anguloa* flowered, in the collection of John C. Bowering, Esq., Forest Farm, Windsor. It was named *Anguloa* × *media* by Reichenbach, who spoke of it as no doubt derived from *A. Clowesii* and *A. Ruckeri*.

The existence of two new hybridists was also revealed, for *Calanthe* × *Barberiana* flowered in the collection of John T. Barber, Esq., Spondon, Derby, having been raised from *C. Turneri nivalis* crossed with the pollen of *C. vestita*, while *C. × Sandhurstiana* was raised by P. H. Gosse, Esq., of Sandhurst, Torquay, from *C. rosea* crossed with the pollen of *C. vestita*, and thus is a form of *C. × Veitchii*.

For a quarter of a century English hybridists appeared to monopolise the field, but in 1881 a French hybrid flowered. In the *Revue Horticole* for that year (p. 346), the flowering of two unnamed seedling *Cattleyas* is recorded by M. Bergman. They were raised by M. Alfred Bleu, of Paris, from *C. intermedia* crossed with the pollen of *C. Aclandiae*. The cross afterwards received the name of *C. × calumnata*. Whether this was its first flowering is not quite clear, for another hybrid which afterwards received the name of *Cattleya* × *fimbriata* has been confused with it, under the same record, and Mr. Bleu is said to have flowered this in 1878. The

latter appears to have been the first French hybrid, and is now considered to be a form of the natural hybrid *C. × Isabella*.

The next hybridist which we find evidence of was Mr. Fraser, of Dorncleugh, near Aberdeen, who raised *Masdevallia × Fraseri*. It was derived from *M. ignea* ♀ and *M. coccinea* ♂, and flowered in 1882.

In 1882 also *Cypripedium × Dauthieri* was described, from the establishment of Messrs. Van Houtte, of Ghent. Its origin was a mystery, but it was soon identified as a form of *C. × Harrisianum*, and, curiously enough, it has since been traced as a stray seedling from Messrs. Veitch's establishment (See *Orch. Rev.*, 1899, p. 71).

In the following year we find Sir Trevor Lawrence, Bart., included in the ranks of the hybridists, he having raised the brilliant *Calanthe × porphyrea* from *C. vestita* and *C. labrosa*.

In 1884 the flowering is recorded of *Cypripedium × Laforcadei*, raised by M. Bauer, of Paris, but it is a form of the earlier *C. × Ashburtonæ*.

In 1885 the first hybrid *Thunia* appeared, and, curiously enough, the same hybrid was raised by two different operators—first by Mr. Toll, of Manchester, and shortly afterwards by Mr. Seden, in both cases from *T. Marshalliana* ♀ and *T. Bensonæ* ♂. Plants were exhibited simultaneously at one of the Royal Botanical Society's Shows, in 1885, the former as *T. × Wrigleyana*, the latter as *T. × Veitchiana*. Under the latter name it was eventually described.

In 1886, a very striking novelty appeared, and was described by Reichenbach under the name of *Lælia × Batemaniana*. It was raised by Mr. Seden from *Sophronitis grandiflora* crossed with the pollen of *Cattleya intermedia*, and flowered in August, 1886, when a little over five years old. Reichenbach called it "a lovely gem, a miniature *Lælia*" and added:—"This novelty offers a wide field for considerations of nomenclature. Are all hybrids between what we call genera to get intermediate names? . . . The effect of mixing a *Sophronitis* and a *Cattleya* is a *Lælia*; hence I must reduce *Sophronitis* to *Lælia*, except *S. violacea*, with a remodelled character." It was dedicated to the veteran Orchidist, James Bateman, Esq., of Worthing, whose name had been known in connection with Orchids for upwards of half a century. The plant is now called *Soprocattleya × Batemaniana*.

Another generic hybrid might have been added to the list, for Messrs. Veitch flowered a hybrid whose origin had been lost, and Reichenbach could only suggest *Zygopetalum maxillare* as one parent, and called it *Zygopetalum × leopardinum*. A year later the flowering of a hybrid from *Colax jugosus* afforded a clue, and the present plant was transferred to *Zygocolax*.

The first artificial hybrid *Phalænopsis* flowered in 1886, and possesses a

double interest, being the first successful experiment undertaken to prove the origin of a wild plant. When in 1853, *Phalænopsis intermedia* first appeared, as a single plant in an importation of *Phalænopsis Aphrodite* (then called *P. amabilis*) received from the Philippines, Dr. Lindley suggested that it might be a natural hybrid between that species and *P. rosea*. With a view to prove this hypothesis, Mr. Seden crossed *P. rosea* with the pollen of *P. Aphrodite*, and when the resulting progeny flowered for the first time, in 1886, it proved absolutely identical with the wild *P. × intermedia*.

In 1886, the work of two other hybridists appeared. *Cypripedium × Io* was raised in the collection of Norman C. Cookson, Esq., Oakwood, Wylam-on-Tyne, from *C. Argus* and *C. Lawrenceanum*, and *C. × apiculatum* in that of D. O. Drewett, Esq., of Riding Mill-on-Tyne, from *C. barbatum* and *C. Boxallii*.

The work was now being rapidly extended over a wider field, for in 1887 hybrids raised by at least seven new operators flowered for the first time, and Reichenbach remarked "All Orchidic England is engaged in the procreation of mules." We may briefly mention them, but the great extension of the work will prevent us from giving more than a selection in future. Dr. Harris, of Lamberhurst, Kent (a namesake of the gentleman who gave Dominy the idea of hybridising Orchids), flowered *Cattleya × Harrisii*, raised from *C. Leopoldi* and *C. Mendelii*, *C. × Miss Harris*, from *C. Mossiæ* and *C. Schilleriana*, and *Lælia × Novelty*, from *L. pumila* and *Læliocattleya × elegans*. W. Vanner, Esq., Camden Wood, Chislehurst, flowered *Dendrobium × Vannerianum*, raised from *D. moniliforme* (japonicum) and *D. Falconeri*. Captain Hincks, of Breckenbrough, Thirsk, Yorks, raised *Masdevallia × Hincksiana*, from *M. towarensis* and *M. ignea*. Mr. F. Horn, gardener to Baron N. Rothschild, of Vienna, flowered *Cypripedium × Hornianum* from *C. superbiens* and *C. Spicerianum*. Messrs. F. Sander & Co., St. Albans, flowered *Masdevallia × Geleniana*, raised from *M. caudata* and *M. xanthina*, Reichenbach remarking "This is the *debut* of Mr. F. Sander in Orchid hybridising, and very many more are forthcoming." Lastly, we find two *Cypripediums*, *× Charles Canham* and *× Mrs. Canham*, said to have been raised by an amateur, whose name was not divulged, but has since been recorded as Mr. James Douglas. They were obtained from *C. superbiens* and *C. villosum*, and the reverse cross, and were sent out by Messrs. Veitch.

Among the numerous hybrids of 1887 the most interesting was *Zygocolax × Veitchii*, raised by Mr. Seden from *Zygopetalum crinitum* fertilised with the pollen of *Colax jugosus*, which flowered when a little over five years old. It marks the commencement of a new era in the nomenclature of generic Orchid hybrids. Hitherto such plants had been referred to one

or the other of the parent genera, but with very unsatisfactory results, and the precedent adopted in another group of compounding a new name from the joint names of the parent genera was now extended to Orchids (See Rolfe, "On bigeneric Orchid Hybrids," *Journ. Linn. Soc.* xxiv. pp. 156-170, t. 48). Seven names for generic hybrids were there established.

In 1888 the genus *Epidendrum* was added to the list, when *E. × O'Brienianum* flowered in Messrs. Veitch's establishment, having been raised by Mr. Seden by crossing *E. evectum* with the pollen of *E. radicans*. The first hybrid from *Cattleya citrina* also flowered when 6½ years old. It was raised by Dr. Harris, of Lamberhurst, the seed parent being *C. intermedia*. It was called *C. × citrino-intermedia*. About thirty other new hybrids were recorded, including the work of at least four new operators.

The first artificial hybrid *Miltonia* flowered in 1889. Various experiments are said to have been made with this and the allied genus *Odontoglossum*, and young seedlings had been raised, though none survived until reaching the flowering stage. It was *M. Alfred Bleu*, of Paris, who first attained success, *M. × Bleuana* flowering for the first time in January, 1889, when rather under five years old. Its parents were *M. vexillaria* ♀ and *M. Roezlii* ♂.

The first hybrid of *Brassavola Digbyana*, then known as *Lælia Digbyana*, also appeared. It was raised by Messrs. Veitch, *Cattleya Mossiæ* being the seed parent, and received an Award of Merit from the R. H. S. in April, 1889, under the name of *Lælia × Digbyano-Mossiæ*. It was afterwards referred to *Læliocattleya*, and ultimately to *Brassocattleya*.

In 1889 the first hybrid *Cymbidium* also flowered, having been raised by Messrs. Veitch from *C. Lowianum* and *C. eburneum*. It received a First-class Certificate from the R. H. S. on March 12th, 1889, under the name of *Cymbidium × eburneo-Lowianum*. It is now called *C. × Veitchii*.

The most noteworthy addition to the list recorded during 1890 was *Epiphronitis × Veitchii*, a new generic cross, raised by Mr. Seden from *Sophronitis grandiflora* crossed with the pollen of *Epidendrum radicans*. It received a First-class Certificate from the R. H. S. on June 24th, 1890. It is remarkable for having the habit of a greatly dwarfed edition of the pollen parent, the influence of the seed parent being chiefly seen in its larger flower and slightly darker colour.

In 1890 also an artificially-raised hybrid *Odontoglossum* first reached the flowering stage, in the collection of Baron Edmond de Rothschild, of Armainvilliers, near Paris. About the end of 1884, *M. Leroy* fertilised *O. crispum* with the pollen of *O. luteopurpureum*, and in May, 1890, one out

of a batch of five seedlings flowered, and was named *O. × Leroyanum*, though it was immediately afterwards referred to *O. × Wilckeanum*, a natural hybrid with the same parentage.

The first hybrid *Phaius* of pure parentage also flowered during 1890, though the genus had previously been crossed with *Calanthe*. *Phaius × Cooksoni* was raised in the collection of Norman C. Cookson, Esq., Oakwood, Wylam-on-Tyne, where it was raised from *P. Wallichii*, crossed with the pollen of *P. simulans* (formerly confused with *P. tuberculosus*). The seed was sown in December, 1887, and a plant flowered in March, 1890, when only two years and a quarter old.

The first hybrid *Stanhopea* was raised in Germany, in the collection of Herr Spindler, of Spindlersfeld, from *S. oculata* crossed with the pollen of *S. tigrina*. It flowered in the summer of 1890, and was described and figured as *S. × Spindlerianum*.

*Disa × Veitchii*, the first hybrid in the genus, was raised by Messrs. James Veitch and Sons, from *D. racemosa* crossed with the pollen of *D. grandiflora*, and flowered when only a year and nine months old, thus creating a record for quickness of flowering. It received a First-class Certificate and a Silver-gilt Flora Medal from the Royal Horticultural Society on June 9th, 1891.

The second artificially-raised *Odontoglossum* flowered in 1891, and is interesting because the plant was raised to prove the parentage of a wild hybrid. *Odontoglossum × excellens* had been described by Reichenbach, in 1881, as a natural hybrid between *O. Pescatorei* and *O. tripudians*, but it was soon suggested that the second parent must have been *O. triumphans*. Mr. Seden accordingly crossed *O. Pescatorei* with the pollen of *O. triumphans*, and when the resulting seedling flowered it proved to be identical with the wild plant.

In 1892 a hybrid having three genera in its composition flowered. It was raised by Messrs. James Veitch & Sons from *Sophronitis grandiflora* ♀ and *Læliocattleya × Schilleriana* ♂, and received the name of *Sophracattleya × Veitchiana*. The plant is now known as *Sophracatlælia × Veitchiana*, which indicates its parentage more correctly.

The first hybrid *Vanda* was described in 1893, under the name of *Vanda × Miss Joaquim*. It was raised at Singapore, by the lady whose name it bears, from *V. Hookeriana* and *V. teres*, which species are said to be cultivated in every garden in Singapore. It is a very handsome hybrid.

In 1894 a hybrid *Sobralia* appeared, namely, *S. × Veitchii*, raised by Messrs. James Veitch & Sons, from *S. macrantha* crossed with the pollen of *S. xantholeuca*. It received a First-class Certificate from the R. H. S. in July, 1894.

In 1894 *Sophrölælia* was also added to the list. Messrs. Veitch

flowered a hybrid between *Lælia Dayana* ♀ and *Sophronitis grandiflora* ♂, which was exhibited by them under the name of *Soprocattleya* × *læta*, but shortly afterwards it was described as *Sophrölælia* × *læta* (*O. R.* 1894, p. 334).

The third generic hybrid recorded in 1894 was *Epilælia* × *Hardyana*, a plant being exhibited at a meeting of the R. H. S. in November, 1894, by Messrs. Sander. It had, however, according to a letter from Mr. Sander, previously flowered, in February, 1891. It was raised in the collection of Baron N. Rothschild, of Vienna, by M. Joly, from *Epidendrum ciliare* ♀ and *Lælia anceps* ♂.

In November, 1896, another hybrid *Odontoglossum* appeared, and received a First-class Certificate from the R.H.S. under the name of *O.* × *crispo-Hallii*. It was raised in the collection of N. C. Cookson, Esq., Oakwood, Wylam-on-Tyne, from *O. Hallii* ♀ and *O. crispum* ♂, and was afterwards called *O.* × *Cooksoni*.

About the same time *Calanthe* × *albata* flowered in the establishment of Messrs. Sander, at St. Albans, and is remarkable as the first hybrid between the deciduous and evergreen sections of the genus. Its parents are *C. veratrifolia* ♀ and *C.* × *Cooksoni* (a form of *C.* × *Sedeni*) ♂. Many unsuccessful attempts to unite the two sections had previously been made.

In 1897 a genuine *Epicattleya* appeared—for the earlier natural hybrid *Epicattleya* × *guatemalensis* had been referred to *Cattleya*. The novelty was raised by Messrs. James Veitch and Sons, from *Cattleya Bowringiana* crossed with the pollen of *Epidendrum radicans*, and received the name of *Epicattleya* × *matutina*. In its reed-like stems it most resembles the pollen parent.

The genus *Spathoglottis* was also added to the list, Messrs. Veitch flowering the handsome *S.* × *aureo-Vieillardii*, said to have been raised from *S. aurea* ♀ and *S. Vieillardii* ♂. It has, however, since been pointed out that the seed parent was *S. Kimballiana*, which at that time was thought to be synonymous with *S. aurea*, but is now known to be different. The hybrid is now called *S.* × *Veitchii*, and is figured at page 311.

A second hybrid having three genera involved in its parentage also appeared during 1897, receiving an Award of Merit from the R.H.S. under the name of *Brassocatlælia* × *Lindleyano-elegans*. It was raised in the collection of Sir Trevor Lawrence, Bart., from *Brassocattleya* × *Lindleyana* and *Læliocattleya* × *elegans*, both parents being themselves generic hybrids. It is now called *Brassocatlælia* × *Lawrencei*.

The most interesting hybrids of 1898 were three *Odontoglossums* raised in the establishment of M. Charles Vuylsteke, of Loochristi, Ghent. First came *O.* × *loochristiense*, raised from *O. crispum* and *O. triumphans*, and afterwards *O.* × *crispo-Harryanum*, from *O. crispum* and *O. Harryanum*,

the latter receiving a First-class Certificate at the Temple Show. In both cases *O. crispum* was the seed parent. The former has since proved identical with the natural hybrid *O. × harvengtense*, and the latter is now known as *O. × spectabile*. The third of the series was *O. × Rolfeæ*, obtained by crossing *O. nobile* (*Pescatorei*) with the pollen of *O. Harryanum*.

In 1899 another generic hybrid appeared, being raised by Messrs. Linden, of Brussels, from *Zygopetalum crinitum* fertilised with the pollen of *Batemannia Colleyi*. It was described under the name of *Zygobatemannia × Mastersii*, in compliment to the late Dr. Maxwell T. Masters, F.R.S.

The genus *Angræcum* was added to the list in 1899, Messrs. Veitch flowering a handsome hybrid from *A. sesquipedale* ♀ and *A. superbum* ♂, which received a First-class Certificate from the R.H.S. under the name of *A. × Veitchii*. At the same time a Silver Flora Medal was given to the raiser, Mr. John Seden.

A hybrid between *Lælia cinnabarina* ♀ and *Brassavola Digbyana* ♂ was also raised by Messrs. Veitch, and received an Award of Merit from the R.H.S. under the name of *L. × Mrs. M. Gratrix*, for the pollen parent was then referred to *Lælia*. The hybrid is now known as *Brassolælia × Gratrixiæ*.

In 1902 three new generic hybrids were recorded. *Leptolælia × Veitchii* was raised by Messrs. Veitch from *Leptotes bicolor* ♀ and *Lælia cinnabarina* ♂. *Zygonisia × Rolfeana* was raised by Messrs. Sander, from *Zygopetalum maxillare* (*Gautieri*) ♀ and *Aganisia lepida* ♂, and received an Award of Merit at the Holland House Show. *Phaiocymbidium × chardwarensense* was raised in the collection of G. F. Moore, Esq., Chardwar, Bourton-on-the-Water, Glos., it is said from *Phaius Wallichii* (*P. grandifolius* was at first recorded) ♀ and *Cymbidium giganteum* ♂, but the point requires confirmation, for the plant has entirely the character of the *Phaius* parent, except as regards colour.

In 1903 the genus *Cynorchis* was added to the list, when *C. × kewensis* flowered for the first time at Kew, where it was raised from *C. Lowiana* fertilised with the pollen of *C. purpurascens*. The cross was made in the spring of 1901, and the seed sown in the following autumn, and germinated very quickly, while in May, 1903, two of the seedlings flowered, when little over two years had elapsed from the time that the cross was made.

A hybrid from *Schomburgkia tibicinis* ♀ and *Cattleya Mossiæ* ♂ also appeared, having been raised by Messrs. Dallemagne and Co. It is known under the name of *Schombocattleya × spiralis*, and is figured at page 233.

*Vanda × Maronæ* was another interesting addition, which was raised by M. Ch. Maron from *V. teres* ♀ and *V. suavis* ♂, and exhibited at the Temple Show. It was the second hybrid in the genus, and the first raised in Europe.



The year 1904 produced a sensational hybrid when the six-flowered inflorescence of *Odontioda* × *Vuylstekeæ* appeared at the Temple Show, and received both a First-class Certificate and a Silver-gilt Lindley Medal. It was raised by M. Charles Vuylsteke, of Ghent, from *Cochlioda Nœtzliana* and *Odontoglossum nobile* (*Pescatorei*), and is figured at page 281.

Other interesting hybrids of the year were the beautiful albino *Cattleya* × *Peetersiæ*, raised by M. Peeters, of Brussels, from *C. Gaskelliana alba* × *C. Warneri alba*, *Sophrocattleya* × *Doris*, raised by Messrs. William Bull & Sons, from *S. grandiflora* and *C. Dowiana aurea*, and *S.-c.* × *Atreus*, by Messrs. Veitch, from *S. grandiflora* and *C. Lawrenceana*.

In 1905 three new generic hybrids appeared. *Dialælia* × *Veitchii* was raised by Messrs. James Veitch & Sons, from *Diacrium bicornutum* and *Lælia cinnabarina*, and received a Botanical Certificate from the Scientific committee of the R.H.S. in the spring of the year. It was described as most resembling the *Diacrium* in habit, as well as in the colour of the flowers.

• *Odontioda* × *Lairesseæ* was raised by M. A. de Lairesse, of Liège, Belgium, from *Odontoglossum crispum* crossed with the pollen of *Miltonia Warscewiczii*, and received an Award of Merit from the R.H.S. on July 20th, 1905. It is most like the pollen parent in habit, as well as in the colour of the flowers, which, however, are larger and modified in shape. It is figured on page 217.

*Epidiacrium* × *gattonense* is a hybrid raised in the collection of Jeremiah Colman, Esq., Gatton Park, Reigate, from *Diacrium bicornutum* and *Epidendrum radicans*. It was described as most like a dwarf form of the latter, and bearing a terminal head of reddish scarlet flowers. It was exhibited without a name on May 9th, 1905.

The genus *Promenæa* was also added to the list in 1905, a seedling from *P. stapleioides* ♀ and *P. xanthina* ♂ having flowered in the collection of De Barri Crawshay, Esq., Rosefield, Sevenoaks, which received an Award of Merit from the R.H.S. in May, 1905, under the name of *P.* × *Crawshayana*. It is now believed to be a form of the natural hybrid *P.* × *Rollissoni*.

The first two hybrids of *Odontoglossum Edwardii* were also recorded, namely *O.* × *Lairessei*, raised by M. A. de Lairesse, of Liège, from *O. Cervantesii* ♀ and *O. Edwardii* ♂, and *O.* × *Thompsonianum*, which flowered in the collection of W. Thompson, Esq., of Stone, and received a First-class Certificate from the R.H.S., from *O. Edwardii* ♀ and *O. crispum* ♂. This, however, was raised in the collection of D. B. Rappart, Esq., of Liscard.

A handsome hybrid from *O. Rossi* crossed with the pollen of *O.* × *spectabile* flowered in 1905 with Messrs. Charlesworth & Co., and received

a First-class Certificate from the R.H.S. on December 5th under the name of *O. × Smithii*. It was the first successful attempt to unite the Mexican *Odontoglossums* with those of the *O. crispum* group. It is figured on page 290.

In 1906 an additional generic hybrid appeared, namely *Brassoepidendrum × stamfordiense*, which was exhibited by H. T. Pitt, Esq., Rosslyn, Stamford Hill. It is said to have been derived from *Epidendrum Parkinsonianum × Brassavola glauca*.

The first hybrid *Cœlogyne* also appeared in 1906, in the collection of Col. Brymer, Ilington House, Dorchester. It is said to have been raised from *C. Dayana × C. asperata*, and received the name of *C. × Brymeriana*. It bore a pendulous raceme of nineteen flowers.

Several interesting hybrids appeared in 1907, one of the earliest being the beautiful *Odontioda × Bradshawiæ*, which received a First-class Certificate from the R.H.S. on January 19th. It was raised by Messrs. Charlesworth & Co., from *Cochlioda Nœtzliana* ♀ and *Odontoglossum crispum* ♂, and is figured on page 280. Later in the year came the brilliant *Odontioda × Devossiana*, raised by M. H. Graire, of Amiens, France, from *Odontoglossum Edwardii* fertilised with the pollen of *Cochlioda Nœtzliana*, which received a First-class Certificate on October 29th. Another hybrid from *Odontoglossum Edwardii* was raised by Messrs. William Bull & Sons, and received an Award of Merit on January 8th, under the name of *O. × Aliciæ*. *O. × spectabile* was the pollen parent. It is figured on page 282. *Odontonia × Elwoodii* was raised by Messrs. Charlesworth & Co. from *Odontoglossum cirrhosum* and *Miltonia Roezlii*. *Cœlogyne × Colmanii* was raised in the collection of Jeremiah Colman, Esq., Gatton Park, Reigate, from *C. speciosa* and *C. cristata alba*, and received an Award of Merit from the R.H.S. It is figured at page 265. Lastly may be mentioned *Brassocattleya × Alexanderi*, a striking hybrid from *Cattleya citrina* crossed with the pollen of *Brassavola Digbyana*, which was raised in the collection of Major G. L. Holford, at Westonbirt, and received an Award of Merit from the R.H.S. in March, 1907.

This hasty survey, while indicating how the work was being constantly extended over a wider field, fails to show what was being done with the earlier genera, but in the following pages may be seen what substantial progress was being made. The genus *Paphiopedilum* heads the list, with over 750 hybrids; *Læliocattleya* follows with over 360, *Cattleya* has over 230, *Dendrobium* and *Odontoglossum* have each over 90 (and the latter is growing very rapidly), *Lælia* and *Masdevallia* muster over 40, *Phragmopedilum* over 30, and *Phalænopsis* over 20, from which the numbers dwindle down to units in the case of *Aërides*, *Angræcum*, *Cynorchis*, *Promenæa* and *Thunia*.

GENERIC HYBRIDS.

The number of generic hybrids enumerated is 25, of which the following 23 are bigeneric :—

Anœctomaria,	from Anœctochilus and Hæmaria.
Brassocattleya,	„ Brassavola and Cattleya.
Brassoepidendrum,	„ „ and Epidendrum.
Brassolælia,	„ „ „ Lælia.
Dialælia,	„ Diacrium and Lælia.
Dossinimaria,	„ Dossinia and Hæmaria.
Epicattleya,	„ Cattleya and Epidendrum.
Epidiacrium,	„ Diacrium „ „
Epilælia,	„ Epidendrum and Lælia.
Epiphronitis,	„ „ „ Sophronitis.
Læliocattleya,	„ Cattleya and Lælia.
Leptolælia,	„ Lælia and Leptotes.
Macomaria,	„ Hæmaria and Macodes.
Odontioda,	„ Cochlioda and Odontoglossum.
Odontonia,	„ Miltonia „ „
Phaiocalanthe,	„ Calanthe and Phaius.
Phaiocymbidium,	„ ? Cymbidium and Phaius.
Schombocattleya,	„ Cattleya and Schomburgkia.
Sophrocattleya,	„ „ „ Sophronitis.
Sophrolælia,	„ Lælia and Sophronitis.
Zygobatemannia,	„ Batemannia and Zygopetalum.
Zygocalyx,	„ Colax „ „
Zygonisia,	„ Aganisia „ „

Two others have three genera in their composition, these, of course, being secondary hybrids. They are :—

- Brassocatlælia, from Brassavola, Cattleya and Lælia.
- Sophrocatlælia, „ Cattleya, Lælia and Sophronitis.

An analysis of the parentage of these trigeneric hybrids may be interesting. Brassocatlælia includes ten distinct hybrids, seven of which were derived from the intercrossing of Brassavola and Læliocattleya, one from Brassocattleya and Lælia, one from Brassolælia and Cattleya, and one from Brassocattleya and Læliocattleya. Of Sophrocatlælia four hybrids are known, two of these being derived from the intercrossing of Cattleya and Sophrolælia, and two from Læliocattleya and Sophronitis. The arrangement may seem puzzling at first sight, but a moment's consideration will show that in each case the same three genera are represented, though in slightly different proportions. This brings out the curious fact that the same result may be reached by several

different ways, and it may be added that when hybrids between *Brassocattleya* and *Brassolælia* appear, also between *Brassolælia* and *Læliocattleya*, they will also have to be included under *Brassocatlælia*, which will exhaust the possible ways of obtaining this artificial or hybrid genus.

In one of these fourteen trigeneric hybrids, namely *Brassocatlælia* × *Lawrencei*, both the parents were themselves hybrids, and an analysis shows that it has four species in its composition, *Brassavola tuberculata*, *Cattleya intermedia*, *C. Leopoldi*, and *Lælia purpurata*.

#### SPECIFIC COMPOSITION OF HYBRIDS.

An analysis of the specific composition of the hybrids enumerated would give some curious results. Hybrids may be divided into primary and secondary, and the latter include hybrids of various degrees of complexity. There are hybrids derived from two species, from three, from four, and in one case even from five, and a brief consideration of these several classes will be interesting.

PRIMARY HYBRIDS are the result of crossing distinct species, sometimes belonging to different genera, and necessarily represent the first stage in the process. Primary hybrids almost invariably show a blend of the parental characters, and can usually be fairly described as intermediate, though in a few cases one parent is apparently prepotent over the other, and thus may be described as dominant. The seedlings, even out of the same capsule, often vary slightly between themselves, and the variation is increased when different varieties of the same species are used, but the differences are seldom great, and no difficulty is experienced in assigning all as forms of the same hybrid. Reversing the cross seldom makes any difference, for in many cases where the reverse cross has been made the result is practically identical.

PREPOTENCY, already mentioned, sometimes exhibits itself in a very peculiar way. Either parent may exert this prepotent character. In the case of *Cattleya* × *lambert-hurstensis* it is the seed parent, *C. intermedia*, which is dominant, but in *Epiphronitis* × *Veitchii* it is the pollen parent, *Epidendrum radicans*, and the character is so marked, both in habit and floral structure, that without actual evidence no one would suspect that it was a seedling from *Sophronitis grandiflora*. *Epicattleya* × *matutina*, *Epilælia* × *Charlesworthii* and a few others exhibit the same kind of prepotency. All are suspected to be cases of partial reversion, the hybrids resembling the more ancestral of the two parents. The idea is borne out by the disappearance of other characters which may be considered as of comparatively recent development. For example, the peculiar beak-like staminode of *Paphiopedilum Rothschildianum* is invariably lost in its hybrids, the organ reverting to the more typical shield-shaped form.

FALSE HYBRIDS.—There is another kind of prepotency—if the term is indeed applicable—in which the seedlings resemble the seed parent entirely, the influence of the pollen parent being apparently lost. *Zygopetalum Mackayi* furnishes one of the best known examples, for it has been crossed with more than one species of *Odontoglossum*, also with such diverse plants as *Lycaste Skinneri*, *Oncidium tigrinum*, and *Lælia anceps*, and yet the seedlings in each case resembled the seed parent entirely. It is not a case of self-fertilisation, for in each case the pollen of the *Zygopetalum* was carefully removed (and unless the foreign pollen is applied to the stigma no capsule is produced). It is suspected to be a case of parthenogenesis, the stimulus of pollination sufficing to cause the ovules to develop into buds. These and other similar cases are worthy of further investigation from a biological standpoint, but they are outside the scope of the present work. The very term “false” hybrids implies a doubt whether they are hybrids at all in a true sense.

SECONDARY HYBRIDS form a very numerous class. They have arisen from the intercrossing of primary hybrids, either with their own parent species, with different species, or with each other. Their existence necessarily involves the question of the fertility of hybrids, which we have not touched upon, but which for the present may, in the majority of cases, be taken for granted. The one striking difference between secondary and primary hybrids is the much greater variability of the former. It may not be equally apparent in all cases, especially where the original parents are very closely allied, but it is so common as to have attracted universal attention, and various attempts have been made to explain it. The facts are beyond dispute, and the controversial side of the question may be omitted.

This great variability was noticed when the very first batch of secondary hybrids flowered, as already mentioned (p. x.), and it may be interesting to record an observation made at the time. Five of the seedlings of *Læliocattleya* × *fausta* (then called *Cattleya* × *fausta*) were painted by Mr. John Day, who remarked as follows (*Orch. Draw.* xxx. t. 31): “Mr. Seden tells me that they raised seven plants of it only (or that only seven have flowered), and they were all different. This he attributes to the fact that the pollen parent, *Cattleya exoniensis*, is itself a hybrid between *C. Mossiæ* and *Lælia crispa*, and some of the offspring have run back to their grandparents, and some have taken more to their mamma, *C. Loddigesii*.” The remark is interesting on another account, for it shows that Mr. Seden had then correctly diagnosed the much-disputed parentage of the pollen parent.

SECONDARY HYBRIDS DERIVED FROM TWO SPECIES are necessarily primary hybrids intercrossed with one of their own parents, and these now form a very numerous class. *Phragmopedilum* × *Sedenii* re-crossed with

*P. longifolium* and *P. Schlimii*, and yielding respectively *P. × Ainsworthii* (*calurum*), and *P. cardinale*, may be mentioned as two familiar examples. In each case they exhibit a partial return to the characters of the original species. One of them has been carried further, for *P. × cardinale* has been re-crossed with *P. Schlimii*, yielding *P. × Ada* (see p. 226), in which *P. Schlimii* is represented three times over, thus giving seven-eighths of that species and only one-eighth *P. longifolium*. In a similar way *Dendrobium × Ainsworthii* has been re-crossed with *D. × nobile*, yielding *D. × Rubens*, and with *D. aureum*, yielding *D. × Gem*; while *Læliocattleya × Schilleriana* has been re-crossed with *Cattleya intermedia*, yielding *L.-c. × Zampa*, and with *Lælia purpurata* yielding *L.-c. × Horniana*. There are even smaller degrees of difference. For example, *Phragmopedilum × Sedenii* has been crossed with both *P. × Ainsworthii* and *P. × cardinale*, and although the parents are themselves separated by only a fractional difference (one eighth) the respective hybrids have received separate names. We have left them as *P. × Lemoinierianum* and *P. × Rosy-Gem*, but it will be seen that the interval separating the original *P. longifolium* and *P. Schlimii* has been almost filled up by a series of slightly differing intermediate forms, involving a very difficult question of nomenclature.

SECONDARY HYBRIDS COMBINING THREE SPECIES may result from the intercrossing of primary hybrids with a third species, as in the case of *Læliocattleya × fausta*, just mentioned, or from the union of primary hybrids that have one parent in common, as in the variable *Paphiopedilum × Charlesianum*, whose parents, *P. × Leeanum* and *P. × nitens*, are both partly derived from *P. insigne*. Combinations of three species may also be formed by crosses of increased complexity. It is among hybrids formed by the union of three distinct species that the remarkably wide range of variation observed among secondary hybrids is first met with. *Paphiopedilum × aureum* and *P. × Hera* may be mentioned as two of the most familiar examples, but many others could be enumerated.

HYBRIDS COMBINING FOUR SPECIES result from the intercrossing of primary hybrids whose original parents are all different; also from more complex crosses. For example *Paphiopedilum × Harri-Leeanum* was derived from *P. × Harrisianum* and *P. × Leeanum*, and thus is composed of equal parts of *P. barbatum*, *villosum*, *insigne* and *P. Spicerianum*, but the same four species were combined when *P. Spicerianum* and *P. × œnanthum* were united to form *P. × Figaro*, though the proportions are different. In this the amount of *P. Spicerianum* blood is doubled, while that of *P. barbatum* and *P. villosum* is reduced by one-half. Again, in *P. × Brunianum*, raised from *P. × Leeanum* and *P. × œnanthum*, the same four species appear, but here we get half *P. insigne* and a quarter of *P. Spicerianum*, while *P. barbatum* and *P. villosum* are represented as in *P. ×*

Figaro. Other combinations between the same four species are possible, it not actually in existence. But the complexity does not end here, for a similar result may be reached in three different ways. *P.* × *Boyleanum* was raised from *P.* × *Crossianum* and *P.* × *Harrisianum*, but the union of *P.* × *nitens* with *P.* × *calophyllum*, also that of *P.* × *Ashburtonæ* with *P.* × *Measuresianum* would agree on analysis, each being composed of equal parts of *P.* *barbatum*, *insigne*, *venustum* and *villosum*. The second cross is called *P.* × *Patria*, but the arrangement is not satisfactory. The third cross has not been raised.

HYBRIDS FROM FIVE SPECIES are at present rare. The first was *Paphiopedilum* × *Kubele*, raised from *P.* × *cœnanthum* ♀ and *P.* × *Youngianum* ♂, which flowered in 1901. Two years later, *P.* × *Kohinoor* appeared, raised from *P.* × *cœnanthum* ♀ and *P.* × *Haywoodianum* ♂, and in 1906 *P.* × *Seraphis*, from *P.* × *Orpheus* ♀ and *P.* × *cœnanthum* ♂. All were raised by the late Mr. Reginald Young, of Liverpool, and it will be noticed that in each case *P.* × *cœnanthum* was one of the parents, so that all have three species in common. In fact *P.* × *Kubele* and *P.* × *Kohinoor* possess four species in common, for both *P.* × *Youngianum* and *P.* × *Haywoodianum* are half derived from *P.* *superbiens*, and thus the difference between them is in respect of only one out of the five original species.

Hybrids of still greater complexity are clearly possible, but we do not remember one having flowered yet.

VARIABILITY OF HYBRIDS.—An excellent example of the wide range of variation seen in secondary hybrids is afforded by the case of *Paphiopedilum* × *Hera*, derived from *P.* × *Leeanum* ♀ and *P.* *Boxallii* ♂, of which a series of thirty flowers, arranged in three groups, have been figured (*Journ. Roy. Hort. Soc.* xxvii. pp. 614-624, fig. 167-169; *Orch. Rev.* 1903, pp. 71-73, fig. 16-18). They were selected from a series of forty-nine flowers, of which no two were exactly alike. The thirty figured show great variation both in shape and colour, some being profusely spotted and blotched with purple-brown, and others much suffused with the same colour, while in a few the purple markings are very much reduced. These differences may be attributed to the varying influence in the offspring of the original species, *P.* *Boxallii*, *P.* *insigne* and *P.* *Spicerianum*, and it emphasises the importance of keeping accurate records, for their common origin would never have been guessed.

Still more remarkable is the case of *P.* *aureum*, a hybrid from *P.* *Spicerianum* ♀ and *P.* *nitens* (*Sallieri Hyeanum*) ♂, which has been described under nearly forty different names. We cannot give the whole range of variation, but may mention the differences seen in the six varieties figured by M. Goossens (*Dict. Ic. Orch.*, Paph. *hyb.*). *P.* × *aureum* (t. 24) has the petals, lip and the lower half of the dorsal sepal greenish yellow,

with the upper half of the latter white, the only other colour being a few minute brown lines at the base of the petals and a few brown dots inside the lip. In var. *virginale* (t. 24 a) there is a slight suffusion of brown in the flower, and some purple veining on the petals and base of the dorsal sepal. In var. *Marie Closon* (t. 24 e) the purple on the dorsal sepal takes the form of a band, which extends to beyond the middle of the dorsal sepal. In var. *Cyrus* (t. 24 d) the band on the dorsal sepal is broader and extends right to the apex, while traces of lateral bands occur, with many brown dots on the base of the dorsal sepal and petals. In var. *Ædippe* (t. 24 c) the greater part of the dorsal sepal is suffused and veined with purple, and the whole flower is darker in colour. Lastly, in var. *Hebe* (t. 24 b) both the petals and dorsal sepal are closely spotted with dark brown all over, the spots on the latter being purple where they extend into the white area. These remarkably diverse forms came out of the same capsule.

The case of *Dendrobium* × *Blackianum* (*Orch. Rev.* 1904, p. 104) is equally remarkable. It was obtained from *D. Findlayanum* crossed with the pollen of *D.* × *Wiganiæ*, and exhibits a remarkable range of variation. There are buff yellow forms, with the disc of the lip reddish maroon, and varying considerably in size, others in which the coloured disc is greatly reduced in size or almost absent, some with white ground colour and purple tips to the sepals and petals, and a purple disc to the lip; in short there are forms approaching each parent in general character.

Among *Dendrobiums*, *Cattleyas*, *Odontoglossums* and others cases could be mentioned where a wide range of variation has been observed between the offspring from the same capsule, and the more distinct the original species the greater the possibilities of variation. This variation affords materials for selection, and for great improvements in the future.





## THE LITERATURE OF ORCHID HYBRIDS.

THE literature of Orchid Hybrids is becoming rather extensive, and the following list of works and papers dealing with various phases of the subject will probably be found useful. It does not profess to be exhaustive, but contains most of the principal works that were readily accessible at the time it was compiled, and includes many papers on Natural Hybrids belonging to cultivated genera.

1847. On Hybridisation among Vegetables. By the Hon. and Very Rev. William Herbert, LL.D. Orchids.—*Journ. Hort. Soc.* vol. ii. p. 104.
1858. *Calanthe* × *Dominii* (with a few general remarks). By Dr. Lindley. —*Gard. Chron.* 1858, p. 4.
1871. Seedling Orchids. By F. W. Burbidge.—*Gard. Chron.* 1871, pp. 43-44, fig. 9.
1873. Hybridising Orchids. By F. W. Burbidge.—*The Garden*, iii. pp. 163-164.
1876. Cultivated Plants, their propagation and improvement. By F. W. Burbidge. The Orchid family, pp. 414-424.
1883. Hybrid *Cypripediums*. By W. Goldring.—*Gard. Chron.* 1883, i. p. 787.
1886. The Hybridisation of Orchids. By H. J. Veitch, F.L.S.—*Journ. Roy. Hort. Soc.* vii. pp. 22-36, with five plates.
1887. On Bigeneric Orchid Hybrids. By R. A. Rolfe, A.L.S.—*Journ. Linn. Soc.* xxiv. pp. 156-170, t. 4.
- 1887-1894. A Manual of Orchidaceous Plants cultivated under glass in Great Britain. By James Veitch & Sons. (Includes most of the hybrids then in existence).
1888. On the fertilisation of *Cattleya labiata* var. *Mossiæ*, Lindl. By Harry James Veitch, F.L.S.—*Journ. Linn. Soc.* xxiv. pp. 395-406, fig. 1-14.
1892. Les Orchidées de Semis. By Ernest Bergman.—*Journ. Soc. Nat. d'Hort. de France*, xiv. pp. 41-43, 85-93, 159-169, 211-223, 274-292, 422-446, 494-506.
- 1893 The History of Orchid Hybridisation. By R. A. Rolfe.—*Orch. Rev.* i. pp. 3-6, 35-40, 67-71, 99-103, 131-134, 195-197, 227-229, 259-263, 291-295, 323-328, 356-360.
- 1893-1904. Hybrid *Odontoglossums*. By R. A. Rolfe.—*Orch. Rev.* i. pp. 142-144, 170-174, 201-206, 275-278, 331-334; ii. pp. 139-141, 200-201, 328-330; iii. pp. 325-329; v. pp. 74-75; vi. pp. 179-180;

- vii. pp. 167-169; viii. pp. 299-301; ix. pp. 56, 260-264; xi. pp. 197-198; xii. p. 176. (A series of papers relating to the Natural Hybrids in the genus).
1893. *Lælio-cattleya* × *elegans* and *L.-c.* × *Schilleriana*. By R. A. Rolfe.—*Orch. Rev.* i. pp. 235-238.
1893. Hybrid *Oncidiums*. By R. A. Rolfe.—*Orch. Rev.* i. pp. 298-302.
1893. *Lælio-cattleya* × *Gottoiana* and *L.-c.* × *albanensis*. By R. A. Rolfe.—*Orch. Rev.* i. pp. 338-339.
1893. The Nomenclature of Hybrids. By R. A. Rolfe.—*Orch. Rev.* i. pp. 340-343.
1894. Some Results of the Hybridisation of Orchids. By James Veitch & Sons.—*Veitch Man. Orch.* x. pp. 138-154.
1894. Orchid Hybridisation.—*Orch. Rev.* ii. pp. 50-52, 83-86, 116-118, 166-168.
1894. Hybrids between *Cypripedium* and *Selenipedium*. By W. Swan.—*Orch. Rev.* ii. p. 171.
1894. *Catasetum* × *splendens*. By R. A. Rolfe.—*Orch. Rev.* ii. pp. 355, 357; iii. pp. 85-86.
1895. The Orchid Hybrids (with first supplement). By Geo. Hansen. Second Supplement, 1899.
1895. A List of Hybrid *Cypripediums*. By H. J. Chapman.—*Gard. Chron.* 1895, ii. pp. 199-201.
1895. Les *Cypripediums* hybrides d'origine Française. By H. Martinet.—*Le Jardin*, 1895, pp. 52-53. Repeated in *Gard. Chron.* 1895, ii. p. 370.
1895. American Hybrid *Cypripediums*.—*American Gardening*, March 23rd, 1895. Repeated in *Gard. Chron.* 1895, i. p. 550.
1895. Dictionnaire des Orchidées Hybrides.—By E. Bohnhof.
1895. *Cypripedium* × *siamense*. By Reginald Young.—*Orch. Rev.* iii. pp. 20-21.
1895. Mexican Hybrid *Lælias*. By R. A. Rolfe.—*Orch. Rev.* iii. pp. 45-48.
1895. Hybrid *Selenipediums*.—*Orch. Rev.* iii. pp. 75-80.
1895. *Oncidium* × *hæmatochilum*. By Thomas T. Potter.—*Orch. Rev.* iii. pp. 174-175, 230; vii. pp. 273-274, fig. 15, p. 293.
1895. *Cypripedium* × *Littleanum*. By R. A. Rolfe.—*Orch. Rev.* iii. pp. 209-210, fig. 8.
1896. Natural Hybrid Orchids. By R. A. Rolfe.—*Gard. Chron.* 1896, i. pp. 105-106, 198-199, 232-234.
1896. *Cypripediums* with identical names. By Reginald Young.—*Orch. Rev.* iv. pp. 11-14, 37-39.
1896. A Hybridist's Notes. By Theodore L. Mead.—*Orch. Rev.* iv. pp. 41-43, 169-171, 326.

1896. Notes on periods of ripening Orchid seed. By Norman C. Cookson.—*Orch. Rev.* iv. p. 112.
1896. Nomenclature of Orchids. By the Right Hon. J. Chamberlain.—*Orch. Rev.* iv. pp. 133-135.
1896. Nomenclature of Orchids. By C. C. Hurst.—*Orch. Rev.* iv. pp. 165-166.
1896. Regarding certain supposed Hybrid Orchids. By Emeric S. Berkeley.—*Orch. Rev.* iv. pp. 167-168.
1896. Quick hybridisation of Orchids. By Alex. Hodgkinson.—*Orch. Rev.* iv. p. 334.
1896. Complex Cypripedium Hybrids. By Reginald Young.—*Orch. Rev.* iv. pp. 361-362.
1897. The raising of Orchid seedlings. By R. Eichel.—*Orch. Rev.* v. pp. 38-40, 82-84, 114-116, 138-140.
1897. Curious Crosses. By C. C. Hurst.—*Orch. Rev.* v. pp. 179-180, 365-367.
1897. Curious Cypripedium Seedlings. By E. A. Orpet.—*Orch. Rev.* v. pp. 242-243.
1897. Epidendrum radicans as a parent.—*Orch. Rev.* v. pp. 274, 301.
1897. Closely allied hybrids. By Reginald Young.—*Orch. Rev.* v. p. 275.
1897. Cattleya  $\times$  hybrida. By R. A. Rolfe.—*Orch. Rev.* v. pp. 333-335.
1898. Notes on Some Curiosities of Orchid Breeding. By C. C. Hurst.—*Journ. Roy. Hort. Soc.* xxi. pp. 442-486, fig. 105-112; *Orch. Rev.* v. pp. 326-328; vi. pp. 202-204.
1898. Paphiopedilum seed and the time to sow it. By Reginald Young.—*Orch. Rev.* vi. pp. 6-8; vii. p. 16. By E. C. H. Pidsley.—*l.c.* p. 34.
1898. Zygopetalum crossed with Odontoglossum.—*Orch. Rev.* vi. p. 19.
1898. Hybridising Dendrobiums. By F. H. Moore.—*Orch. Rev.* vi. pp. 52-54, 108-109.
1898. Hybrid Orchids. By James O'Brien.—*Journ. Roy. Hort. Soc.* xxi. pp. 178-185; *Orch. Rev.* vi. p. 221.
1898. Cypripedium niveum as a parent. By Reginald Young.—*Orch. Rev.* vi. pp. 362-365; vii. pp. 28-29.
1898. Curiosities of Orchid Breeding. By C. C. Hurst.—*Nature*, Dec. 22nd, 1898, pp. 178-181; *Orch. Rev.* vii. pp. 11-12.
1899. Curious Crosses. By C. C. Hurst.—*Orch. Rev.* vii. pp. 13-15.
1899. Spontaneous Hybrids of Hardy Orchids. By C. Wolley Dod.—*Gard. Chron.*, 1899, i. p. 179; *Orch. Rev.* vii. p. 105.
1899. Nomenclature of Hybrids.—*Orch. Rev.* vii. pp. 106-109.
1900. Notes on some Experiments in Hybridisation and Cross-breeding. By C. Chamberlain Hurst, F.L.S.—*Journ. Roy. Hort. Soc.* xxiv. pp. 90-126, fig. 9-41. This paper is largely devoted to Orchids).

1900. Hybridisation viewed from the standpoint of Systematic Botany. By R. Allen Rolfe, A.L.S.—*Journ. Roy. Hort. Soc.* xxiv. pp. 181-202, fig. 93-102. (Includes Natural Hybrid Orchids whose parentage has been proved by experiment).
1900. Fertility of Paphiopedilum Fairrieanum Hybrids. By J. E. Rothwell.—*Orch. Rev.* viii. p. 74. By Reginald Young.—*l. c.* pp. 103-104.
1900. Hybrid Dendrobiums. By R. A. Rolfe.—*Orch. Rev.* viii. pp. 161-164.
1900. Lælia cinnabarina as a parent. By E. O. Orpet.—*Orch. Rev.* viii. pp. 202-203.
1900. Raising Orchids from seed. By E. O. Orpet.—*Orch. Rev.* viii. pp. 356-357.
1900. Sur les unités des Caractères spécifiques et leur application à l'étude des Hybridees. By Hugo de Vries.—*Rev. Gén. Bot.* 1900, pp. 257-271; *Gard. Chron.* 1900, ii. pp. 391-392, 432. (Though not dealing with Orchid hybrids the principle is applicable to them, and the paper is therefore included).
1900. The Evolution of Plants. By R. Irwin Lynch.—*Journ. Roy. Hort. Soc.* xxv. pp. 17-37. (Includes a few Orchid hybrids).
1901. Sander's Orchid Guide. By F. Sander & Co. Addenda, 1903 (includes lists of hybrid Orchids).
1901. Fertility of Hybrids. By E. O. Orpet.—*Orch. Rev.* ix. pp. 103-104.
1901. Raising Orchids from seed. By E. O. Orpet.—*Orch. Rev.* ix. pp. 110-112.
1901. Natural Hybrid Lycastes. By R. A. Rolfe.—*Orch. Rev.* ix. pp. 99-102, 309-310.
1901. Natural Hybrid Miltonias. By R. A. Rolfe.—*Orch. Rev.* ix. pp. 289-295.
1901. Hybridisation and raising of Orchids. By James O'Brien.—*Gard. Chron.* 1901, ii. pp. 317-318.
1902. Mendel's Law applied to Orchid Hybrids. By C. C. Hurst, F.L.S., F.R.H.S.—*Journ. Roy. Hort. Soc.* xxvi. pp. 688-695; *Orch. Rev.* x. pp. 187-188.
1902. List of Orchids used in the fertilisation of Hybrids which have received either First-class Certificates or Awards of Merit from the R.H.S. By J. Gurney Fowler.—*Journ. Roy. Hort. Soc.* xxvi. pp. 696-723.
1902. Mendel's Law of Inheritance.—*Orch. Rev.* x. pp. 11-13, 45, 107, 187-189, 236-239.
1902. Nomenclature of Hybrids. By L. Cappe.—*Orch. Rev.* x. pp. 38-40.
1902. Experiments in Plant Hybridisation. By C. C. Hurst.—*Orch. Rev.* x. p. 45.

1902. Variation in Secondary Hybrids. By C. C. Hurst.—*Orch. Rev.* x. pp. 74-76.
1903. Epidendrum  $\times$  kewense. By R. A. Rolfe.—*Orch. Rev.* xi. pp. 6-7.
1903. Fertility of Hybrids. By C. C. Hurst.—*Orch. Rev.* xi. pp. 23-24.
1903. Paphiopedilum  $\times$  siamense. By Reginald Young.—*Orch. Rev.* xi. pp. 44-46.
1903. Orchid Hybridisation.—*Orch. Rev.* xi. pp. 61-62, 122-123, 216-217, 253-254, 277-278, 316-318.
1903. Mendel's Law applied to Orchid Hybrids. By C. C. Hurst, F.L.S.—*Journ. Roy. Hort. Soc.* xxvii. pp. 614-624, fig. 167-169; *Orch. Rev.* xi. pp. 71-74, fig. 16-18, pp. 97-99.
1903. Calanthes and Mendel's Law. By H. J. Chapman.—*Orch. Rev.* xi. pp. 116-117. By C. C. Hurst.—*l. c.* xi. p. 158.
1903. Recent Experiments in the Hybridisation of Orchids. By C. C. Hurst, F.L.S.—*Report. Brit. Assoc.* 1903, p. 353; *Gard. Chron.* 1903, ii. pp. 226-227; *Orch. Rev.* xi. pp. 314-316.
1903. Orchids, their culture and management. By H. J. Chapman. Contains a chapter on Orchid Hybridisation (pp. 21-32).
1904. Orchid hybridising in Florida. By T. L. Mead.—*Orch. Rev.* xii. p. 72; xiii. pp. 160-161.
1905. Paphiopedilum Fairrieanum and its hybrids. By Francis Wellesley and R. A. Rolfe.—*Orch. Rev.* xiii. pp. 11-18, 38-44, 68-73, 103-108, 135-138, with 18 figures.
1905. Mr. Warner's Hybrid Cypripedes.—*Orch. Rev.* xiii. pp. 291-293, 348-349.
1905. Curiosities of Hybridisation. By Emily Thwaites.—*Orch. Rev.* xiii. pp. 353-354.
1905. A propos des Semis d'Orchidées. By Louis Cappe.—*Le Jardin*, 1905, pp. 40-41; 362-363.
1905. Recherches experimentales sur les semis des Orchidées. By Albert Maumené.—*Le Jardin*, 1895, pp. 158-159, fig. 83-86; *Gard. Chron.* 1905, ii. p. 22, fig. 83-85.
1905. Action des microorganismes sur la germination des Orchidées. By Noel Bernard.—*Journ. Soc. Nat. Hort. France*, 1905, pp. 434-439; *Gard. Chron.* 1905, ii. p. 104.
1906. List of Orchid Hybrids. By Sander & Sons. Addenda, 1907.
1906. Curiosities of Hybridisation. By F. Denis.—*Orch. Rev.* xiv. p. 28.
1906. The Mendelian Laws of Inheritance.—*Orch. Rev.* xiv. pp. 97-99.
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1907. Hybrid Odontoglossa. By de Barri Crawshay, F.R.H.S.—*Rep. third Internat. Conf. Genetics*, pp. 242-272, fig. 56-88.
1907. Natural Hybrid Cattleyas. By L. Forget.—*Orch. Rev.* xv. pp. 293-296.
1907. Cattleya  $\times$  bahiensis and C.  $\times$  Frankeana. By R. A. Rolfe.—*Orch. Rev.* xv. pp. 279-280, 316.
1907. Hybridisation and Crossing in Orchids. By F. Ledien.—*Moller's Deutsche Gartner Zeitung; Gard. Chron.* 1907, i. pp. 333-334.

Additional information may be found by the references given in the body of the work, which includes a nearly complete enumeration of published figures of hybrid Orchids.

A list of the principal works cited is given at pp. xlvii.-xlviii.



## HYBRIDISING AND RAISING ORCHID SEEDLINGS.

THE Orchid Stud-Book would not be complete without a chapter on hybridising and the raising of Orchid seedlings, and as the work will doubtless appeal to beginners as well as to the expert hybridist, we will commence with the most elementary details.

HYBRIDISING is one of the most fascinating phases of Orchid culture. Every stage in the work is interesting—the pollination of the flower, the development of the capsule, the sowing and germination of the seeds, and the gradual development of the seedlings from the tiniest atom up to the time when the scape pushes up and the flower at length unfolds. Few Orchidists can resist the attempt to raise at least a few seedlings, but one must be prepared for disappointments, and it is this particular stage of the process which generally proves the most difficult. Once surmounted the rest is easy, and the next difficulty may be that of finding the necessary space for the plants as they approach the flowering stage. But we will not anticipate.

THE MATERIALS.—No elaborate preparations are necessary. Such materials as are ready to hand will serve as a commencement, but it would be well to begin with some easy subject, proceeding to more difficult ones as experience is gained. A *Cypripede* or *Cattleya* is easily manipulated, but an *Epidendrum* of the *radicans* group, though more troublesome to cross, is an ideal subject in other respects, for the seedlings can be raised almost with certainty, as they germinate quickly, and begin to flower when under three years old. Two or three subjects might very well be tried together for a commencement, using whatever subjects are available. Later on a rigid selection of parents will be found desirable, but even at the outset the best possible forms should be used.

METHOD OF PROCEDURE.—Before commencing it is advisable that the operator should thoroughly understand the floral structure, by pulling a few flowers to pieces and identifying the pollen masses and stigma. In the majority of Orchids the pollen masses will be found under a little case at the apex of the column, and they may be easily removed with a pencil, a piece of stick, or in some cases with a finger, by lifting the case gently but firmly upwards and then withdrawing it, when the pollen masses will generally be found adhering to it. In the case of a *Cypripede* two pollen masses will be found—not enclosed in a case at the apex of the column—but one opposite to each lateral opening at the base of the lip. The pollen is viscous, and is easily removed with a pencil or piece of stick, but if the flower is to be fertilised both the anthers should be cut clean away. The stigma is generally

situated in a shallow cavity in front of the column, just below the anther, but in *Cochlioda* there are two stigmas, which thus become partially lateral, while in the *Cypripedium* group the stigma is the shield-shaped body situated on the underside of the column inside the lip, on the opposite side to the staminode. The stigma may generally be recognised by its shiny viscous surface, but in the *Cypripedium* group it is dry, the pollen here being viscous. Having identified the parts we may proceed to describe the details.

**POLLINATION OF THE FLOWER.**—Having selected the flower that is intended to be fertilised, the first thing to be done is to remove its own pollen—generally a very simple task, but in those genera which have powdery pollen care should be taken that no grains are left behind, or the flower might be self-fertilised. Next take the pollen that is intended to be used and apply it to the stigma, to which it will adhere, and the process of pollination is complete. The reverse cross may be effected at the same time, if the pollen from the first flower is then applied to the stigma of the second. In fertilising small flowers with pollen from larger ones it is sometimes found that the pollen masses are too large to enter the stigma entire, and then it is necessary to cut them, and use only a portion, and conversely in reversing the operation the pollen of more than one flower is sometimes used. Crosses between *Cochlioda* and *Odontoglossum* and between *Sophranitis* and similar large flowers are examples.

**RECORDING THE CROSS.**—The details of the cross should now be entered in a note-book, with a number, which latter should be written on a small tag, and tied loosely on to the pedicel of the flower. Crosses should be numbered consecutively, and carefully entered, space being left under each for future use, as success or failure, the sowing of the seed, &c. All records should be carefully kept, as the correct parentage is of great importance when the seedlings flower. One should not trust to memory for these details.

**EFFECT OF POLLINATION.**—The effect of pollination—if the cross has taken—will soon be apparent, in the floral segments fading prematurely and the column and ovary beginning to swell, and the chief thing to be done is to keep the plant healthy, and avoid checks and over-stimulation, so that the capsule may develop properly. A matter which sometimes perplexes beginners at this stage is that capsules will swell to a considerable size and then go off prematurely, or when they open they may be empty or contain only a mass of chaff without good seeds. The reason is frequently that fertilisation proper has not taken place, and an explanation of the process will make this point clear.

**FERTILISATION** proper does not take place immediately. When an Orchid flower opens the ovules are undeveloped, and, in this state, are



incapable of being fertilised. An example will make this point clear. If the ovary of an ordinary flower—a lily for example—be examined as soon as the flower opens, the ovules will be found in a developed condition, so that when the pollen is applied to the stigma the pollen tubes grow rapidly, making their way down the tissue of the style, and into the ovary, when they enter the micropyle (or mouth) of the ovule, and unite with the contents of the egg-cell, this latter constituting the act of fertilisation, after which union the ovule develops into a perfect seed. But if an Orchid flower be examined at this stage the ovarian cavity and ovules will be found quite rudimentary, and if the flower is not pollinated they will progress no further, the flower at length shrivelling and falling off. But when pollinated a rapid change takes place. The column and ovary begin to swell and the segments to fade or change colour. The ovary often looks like a simple pedicel when the flower expands, but after pollination it gradually takes on a capsule-like appearance. The act of pollination applies a stimulus to the ovary, causing it to swell, and the ovules to develop, after which only can fertilisation take place. This retarded development of the ovary is one of the points in which Orchids differ so markedly from most other plants, and is, of course, correlated with the slow development of the pollen tubes.

*CATTLEYA MOSSIÆ*.—In the case of *Cattleya Mossiæ* the whole process has been worked out by Mr. Harry J. Veitch, who, by a series of experiments, ascertained the fact that fertilisation does not take place until a period of from 75 to 90 days after pollination. The process is briefly as follows: A few hours after pollination the floral segments become flaccid, and show signs of withering. In a couple of days the pollinia are seen to be disintegrating, forming, with the viscid secretion from the stigma, a gelatinous mass that quite fills up the stigmatic cavity. At the same time the pollen tubes have commenced to grow, and in eight days they have reached the base of the column, being found in vast numbers among the conducting tissues. At the end of a month the ovary has become considerably enlarged, and the placentæ and ovules are beginning to assume a definite form, while the pollen tubes are pushing downwards along the sides of the placentæ and among the ovules. In two months, though the pollen tubes are present in countless numbers, and have even reached the base of the ovary, the ovules are not yet developed, but soon afterwards they rapidly undergo a change of form, and at the end of about three months the long looked-for event takes place. The pollen tubes now enter the micropyle of the ovule, and fertilisation of the egg-cell is effected. It is noteworthy that before this event takes place the ovary has developed from a terete body, less than a quarter of an inch in diameter, to a six-angled one, more than seven times as broad, entirely through the stimulus given by the act of pollination, and it enables one to realise to some extent why a seed pod may

make considerable progress, and yet go off, if for any reason the ovules should fail to be fertilised.

**CAUSES OF FAILURE.**—The period required for the development of the pollen tubes and ovules varies considerably in different Orchids, and this may represent one of the causes of failure when very distinct species are intercrossed. When a species is fertilised with its own pollen all the forces at work are in complete harmony, but when the pollen is derived from a widely distinct species the rhythm may be completely upset. The pollen may be capable of causing the development of the ovary and ovules, and yet fail to effect fertilisation when the proper time comes. The pollen tubes from a very distinct species may mature too soon or too late. Or they may be too large to effect an entrance into the micropyle of the ovule of the other species. Again, they may sometimes fail to reach the necessary length, or there may be some other incompatibility or obstacle to their proper development in the new combination. There are good reasons for the belief that in most cases where the ovary develops as the result of pollination without fertilisation being subsequently effected that the difficulty is largely a mechanical one, and one of them is the fact that in many cases a few good seeds are produced. There is also the well-known fact that in the case of *Cattleya* crossed with *Sophranitis*, and of *Brassavola* crossed with *Cattleya*, the fertile seeds are only found at the apex of the capsule. Again, *Cattleya* can be crossed with *Epidendrum*, but the reverse cross fails, and the reason is believed to be that the pollen tubes of *Cattleya*, and similar large-flowered Orchids, are too large to enter the micropyle of the ovule.

**MATURING OF THE CAPSULE.**—If the capsules survive the period just mentioned—technically they cannot be called seed-capsules until after the ovules are fertilised—they will probably mature and ripen. The period of maturing varies greatly in different Orchids, and to some extent also under varying conditions, but as this stage approaches it is advisable to watch for the first sign of splitting, otherwise some of the seed may be lost. If the capsule then appears mature it may be cut at once, or tied up securely in a piece of loose tissue paper for a few days, so as to allow the seeds time to mature fully. In practice it is a general custom to tie up the capsule when nearly mature to prevent loss of the seeds before splitting is noticed, also to prevent the seeds from falling and germinating where not wanted.

**GATHERING THE SEED.**—When the capsule is cut it should be removed to a dry shed, and as soon as ready may be opened, or the seed removed by tapping the capsule gently over a piece of tissue paper. As soon as any seeds fall they should be examined with a good lens to see if they appear perfect. If they appear plump in the centre and diminish considerably towards the pointed ends, they may be considered good, but if they look like hairs or chaff, without any thickening in the middle they are generally bad,

that is to say the embryo has not developed. The presence or absence of an embryo can be ascertained with certainty if the lens is sufficiently powerful. In the latter case the chaff may be thrown away at once, but in doing this one should be careful to see that *all* the seed is bad, for occasionally a few good seeds will be present amongst a multitude of chaff (generally near the apex of the capsule), and these might be easily overlooked. It should be remembered that any good seeds are likely to fall first, so that it is possible to see very quickly whether any good seeds are present, and proceed accordingly. It is useless to sow a lot of chaff, and if that can be left behind so much the better, for one can seldom deal with the whole, so numerous are the seeds in a capsule. If most of them appear good one need not trouble about separating the chaff. It is scarcely necessary to add that the number on the capsule should be preserved, and that any necessary entry should be made in the record book.

SOWING THE SEED will be the next stage of the process, and this too is best done outside the house, because the minute seeds are so easily blown about by light currents of air, and germinate where not wanted to. In most cases the seed, or some of it, is best sown at once, though if the capsules ripen in late autumn or winter they may be kept in paper in a dry place until the days begin to lengthen, so that when they begin to germinate circumstances may be favourable to their development. A label should be added containing the number.

WHERE TO SOW.—The old custom was to sow the seed on the parent plant, or on some adjacent one that will not require to be disturbed for some time, and for *Cypripedes* and terrestrial Orchids generally, also for *Odontoglossums* this plan is still the best. Care should be taken to choose a plant that will not want potting for some time, and one where the compost is in a healthy condition. The plant should be removed to the shed, and the seeds sprinkled thinly over the compost, after which a label should be inserted containing the number of the cross. A light sprinkling with a sprayer should now be given to settle the seeds, after which the plant may be returned to the house. When once the seed has been sown the compost must never be allowed to become dry, or the young embryo will shrivel and quickly die.

EPIPHYTIC ORCHIDS.—In the case of certain epiphytic Orchids, particularly those of the *Cattleya* group, another method of sowing is now generally adopted. Blocks of soft wood (both pine and willow have been recommended) are cut across the grain with a rough saw into thin blocks, which are placed on a layer of crocks in a smallish pot, and the seeds are sown on the rough surface of the wood. The blocks are sunk below the rim of the pot, which is then covered with a piece of glass, and the seeds kept constantly moist, by the use of a sprayer as often as necessary.

Another method is to strain a piece of coarse canvas over a bunch of sphagnum moss, and then squeeze it into a pot, below the rim, then sowing the seeds and covering with glass as before. The germination can now be watched, for there is no compost for the seeds to sink down into and get lost. Once sown the seeds must never be allowed to get dry, but care should be taken not to wash them off in spraying. Of course they must be placed in a suitable temperature, and be shaded from direct sunshine. The pots are often placed in a small frame, where they are less likely to get dry, which would be quickly fatal. The method is unsuitable for *Cypripedes* and other terrestrial Orchids. Until experience has been gained it is best to sow a few seeds under different conditions, noting the result, and in case of failure, if any seed is left over, a second sowing may be made a few weeks later.

GERMINATION usually commences at once, and under the conditions last mentioned its progress can be followed. The first sign of germination is that the seeds begin to swell and turn green, then they lose the seed coat and gradually become globular. At length a growing point appears, with some root-hairs, and then the first true root begins to push.

PRICKING OFF.—The pricking off of the young seedlings requires to be done with care and discretion, especially if, as sometimes happens, they come up too thickly. A small pan of compost should be prepared, and the tiny globes may be removed with a pointed stick carefully pushed beneath them, care being taken not to injure them. They should be placed in a minute cavity in the new compost, giving a slight spraying to settle them. A similar procedure may be followed when the seeds are sown direct on the compost, but here, if not too crowded, they may be left until rather larger, when they may be handled more easily. Care must always be taken not to damage the roots. After pricking off, the young seedlings are best returned to the case for a time. A sharp watch must be kept for the presence of slugs, or other pests, which would make short work of the young seedlings.

POTTING ON.—When the young seedlings get a little larger they should be potted off into thimble pots, about an inch in diameter. The compost will vary according to the class of Orchid, and should be similar to that required by the parents, but will be required to be chopped fine, and the dust should be removed with a fine sieve. A few finely broken crocks should be placed at the bottom of the pots, and on these a little compost is placed. The plant is then placed in position, and the compost made moderately firm with the fingers, after which a light spraying may be given. The compost should be just moist, not too wet or too dry, and it should be of about the same temperature as the house, being placed there for a day or two before use if necessary. The water used should be rain or soft water, and of the same temperature as the house. After potting the tiny pots may

be bedded in pans or baskets of peat, and placed in a light position in the house, not too far from the glass. Potting on as required is all that now remains to be done, but the seedlings should be encouraged to make vigorous growth, without any attempt to rest them during the winter.

**THE FLOWERING PERIOD.**—When the seedlings become strong enough the first scape may be expected, and the grower will be able to see the result of his labour. But it will be well to remember that the plants have seldom reached their full development at this period, and the flowers may be expected to improve as the plants become stronger. The quickness with which they flower will depend to some extent upon the way they are grown, and for this reason it is best to keep them moving as much as possible, so as to get them large enough to flower early. We have in a few cases seen great differences between seedlings out of the same capsule when grown under different conditions, and time may be gained by not resting them in the winter while they remain small. Some genera flower much sooner than others, the period varying from about two years, in a few cases, up to five or six years, or occasionally even longer—the date being calculated from the time the seed is sown. *Calanthes*, *Disas*, and a few other terrestrial Orchids are among the quickest to flower with a few *Epidendrums*, there being quite a number of cases on record of seedlings which have flowered under two years old. A few *Cypripedes* have also flowered very early, but generally speaking they are of slower growth, and the same may be said of *Cattleyas* and their allies. A few may flower the third year, but more in the fourth and fifth. In every group, however, there appear to be a few precocious individuals, while others seem to lag behind, some of the latter being of weak constitution. The only way of hastening the period of blooming in any group is to get them strong as early as possible by liberal treatment.

**SELECTION OF PARENTS.**—Although this is a subject which naturally comes at the very beginning of the work, it is not likely to receive much attention until some progress has been made in raising seedlings. It is a matter on which a great deal might be written, but in many small collections the choice of parents is limited, and most of the popular species that flower at the same time have already been hybridised together, as well as many of the earlier hybrids. And there are many crosses which are not worth making, because the characters of certain species neutralise each other. Generally, plants having strongly opposed characters are not worth crossing. For example a hybrid between the darkest and lightest coloured species in a genus is likely to be of a pale undecided tint, which would justify a remark sometimes made about two species being spoilt. Although one cannot always foresee what the result of a given cross may be, it is generally possible to give a very good guess, especially at the present time, when the result of

so many crosses is known. And it is here that the following pages should be specially useful. The hybridist having certain species in flower, and wishing to know whether they have already been crossed, has only to turn to Part I. of the work, where the crosses which have flowered are recorded, with the name of the resulting hybrid, and if it is there, on referring to Part II. he will find the clue to its history. Of course, crosses not recorded may have been made, but not yet reached the flowering stage. It should be useful in another way, for certain crosses are worth repeating, especially if the best varieties of the parents can be used, and this is particularly the case with rare hybrids, or those that can only be propagated very slowly. A batch of any good hybrid raised from the best varieties of the parents attainable is sure to yield a few good forms, the best of which can be selected and grown on.

**HYBRIDS AS PARENTS.**—In one respect hybridisation is always likely to remain progressive, for the best of the hybrids can be crossed together, or re-crossed with the original parents, with the object of emphasising desirable qualities or of developing new breaks of colour, and if such further crossing is done with definite objects in view, and the worst forms constantly weeded out, progress is sure to result. One cannot expect more than a certain percentage of superior forms, and the worst should be discarded after being proved. In this work the great variability of secondary hybrids will usually afford plenty of scope for selection. Much has been accomplished already, and the rate of progress is likely to be accelerated in the future.

It now remains to say something about the individual genera and their peculiarities.

**THE CYPRIPEDIUM GROUP** first claims our attention, for its hybrids far outnumber any other, and this is largely due to the ease and certainty with which the seedlings can be raised. Though generally known as *Cypripedium* in gardens, they really belong to *Paphiopedilum*, for *Cypripedium* proper comprises the hardy deciduous species, of which no hybrids have been raised artificially, though wild ones are known. The plants known as *Selenipedium* in gardens also belong to another genus, *Phragmopedilum*, for *Selenipedium* proper comprises three tall reed-like plants which are not cultivated.

**PAPHIOPEDILUM** seedlings are very easily raised. Having obtained capsule of seed, one has only to scatter it over the compost of some plant that will not require potting for some considerable time, keep the compost moist, and await the appearance of the seedlings, which, if the seeds are good and the treatment right, is generally only a matter of time. In the latter respect they are rather erratic, sometimes appearing very quickly, and at others not until the lapse of several months, or even more. The late Mr. Reginald Young has recorded the appearance of seedlings as long as two

years after the seed was sown, and in the case of *P. × Quirinus* a single seedling appeared nine months after the seed was sown, and then three or four others just three years later. This, however, is quite exceptional, and is only mentioned to show that a cross need not necessarily be written off as a failure because the seedlings do not appear almost immediately. After sowing the seeds one naturally watches their progress through a good lens, but some of the seeds sink into cavities in the compost or get covered over, and are lost sight of until the point of a tiny leaf emerges from the compost. It is useless to sow the seeds of these and other terrestrial Orchids on blocks of wood. When the young seedlings are large enough to handle they may be pricked off, as already described. The capsules generally take from nine to fifteen months to ripen, and the seedlings will generally begin to flower when about three years old—in exceptional cases a little earlier—but more during the next two years. A good deal depends on the way they are grown, but some mature much more quickly than others.

*PHRAGMOPEDILUM* capsules ripen much more quickly than those of the preceding genus, and are unique among cultivated Orchids. in being three-celled. The seedlings, however, require similar treatment and reach the flowering stage at about the same age.

*CALANTHE* capsules ripen in about three to five months, and some of the seedlings begin to flower when two to three years old. The deciduous species of the *C. vestita* group are the most popular subjects, but a few of the evergreen species have also been crossed, and in one case the deciduous and evergreen sections have been united. *Calanthe* has also been crossed with *Phaius grandifolius* and its allies, yielding the generic hybrids known as *Phaiocalanthe*. *Calanthe* seedlings require careful handling when small, but are easily grown and succeed under ordinary treatment.

*PHAIUS* is a near ally of *Calanthe*, and the seedlings are equally easy to raise, and also flower comparatively early. The hybrids between *P. simulans* and the species of the *P. grandifolius* group are very beautiful and floriferous, and a similar remark applies to those between the latter and *P. Humblotii*. *P. × Cooksoni*, the first of the series, flowered within the short period of two years and a quarter from the time seed was sown, and the seedlings generally are easily grown and flower at a very early period. They require warm house treatment, and are highly decorative. The yellow *P. maculatus* has also yielded several beautiful hybrids when combined with the species of the *P. grandifolius* group.

*SPATHOGLOTTIS* is another genus of terrestrial Orchids which is very easily manipulated, and the seedlings flower very quickly. *S. × kewensis* flowered within eighteen months after the seed was sown, and other

seedlings have flowered very quickly. The genus contains several beautiful hybrids, and is worthy of more attention.

DISAS.—Hybrids between *Disa grandifolia* and a few allied species are also very easily raised, and flower very quickly. *D.* × *Veitchii*, the first of the series, flowered when only twenty-one months old, and *D.* × *kewensis*, which came next, only eighteen months after the seed was sown. They are easily grown under suitable treatment, but sometimes do not succeed in the Orchid house, requiring rather a position in a cool frame.

CYNORCHIS.—Only one *Cynorchis* is known, namely *C.* × *kewensis*, derived from *C. Lowiana* and *C. purpurascens*, but it almost holds the record for quickness of flowering, for the seedlings are said to have flowered within about two years from the date when the cross was made. Seedlings of this genus are of the easiest possible culture, and anyone having a warm house and requiring an easy subject to commence with, could not find a better one. It may be mentioned, as showing the ease with which seedlings of this genus are raised, that a plant of *C. fastigiata* in the Clare Lawn collection produced a capsule (possibly fertilised by some insect), which was allowed to mature, and afterwards the seedlings came up all over the place, and were pulled up like weeds.

ZYGOPETALUM, LYCASTE, CHYSIS and other soft-leaved Orchids are easily raised, but the capsules do not mature so quickly, nor the seedlings flower so early as the genera previously mentioned. The first-named has been crossed with several other genera, but the seedlings in many cases have resembled the mother almost entirely, so that the attempt to reverse the crosses might be made. With *Colax*, however, true hybrids have resulted.

MASDEVALLIA capsules mature rather quickly, but the seedlings do not flower so early as some of the soft-leaved genera previously mentioned. Several beautiful hybrids have been raised, but the genus has been rather neglected of late.

CYMBIDIUMS are very easily raised, but take longer to mature, and the seedlings are sometimes rather erratic in making their appearance. There is a case on record of a batch of seeds obtained by crossing *C. Lowianum* and *C. eburneum*, and sown on the compost of the parent plant, which continued to germinate for years, so that some of them had reached the flowering stage while others were still tiny seedlings. Hybrid *Cymbidiums* contain some highly decorative plants, and there is plenty of scope for further development.

CATLEYA may be regarded as typical of a group of allied genera of epiphytic Orchids, which succeed best under the special treatment described on p. xxxvii., though the old system of sowing on the compost of the parent plants, or on that of young growing seedlings, may also be followed.



When sown on canvas or blocks of wood the germination may be watched from the very commencement, and the process is most interesting. Shortly after sowing the seed begins to swell, and gradually acquires a greenish tinge. Next the testa ruptures, and the minute embryo gradually assumes a globular form, and steadily increases in size. Then some minute root-hairs appear, and a growing point is seen at the apex of the young seedling, from which a minute leaf begins to push. Soon afterwards the first true root appears, after which, with ordinary care, the seedlings may be considered safe, and will gradually develop until the flowering stage is reached. The most critical period seems to be what is termed the thalloid stage, for the seeds will sometimes swell and assume a greenish tinge, and then make no further progress, finally shrivelling up and disappearing, for no apparent reason. The researches of M. Noel Bernard seem to show that the cause of this is the absence of certain microscopic fungi which live in the plant, a point we may go into presently. When sown on blocks of wood or canvas the tiny globules sometimes almost cover the surface, and some of them should be pricked off before they choke each other, and in any case this should be done as soon as the first true root begins to push, so that a supply of food is at once available. Thin sowing should be practiced, even if some of the seeds have to be left unused. *Cattleyas* usually flower from four to six years old, though some mature earlier under favourable treatment, and others, especially among the earlier hybrids, have taken much longer to bloom. The tendency is to shorten the period by growing the seedlings on rapidly. The species of *Cattleya* which have been intercrossed are very numerous, as may be seen by the following pages, but other combinations are possible, and the utilisation of the hybrids themselves as parents offers endless possibilities for the future. *Cattleya* has also been united with *Lælia*, *Brassavola*, *Epidendrum*, *Sophronitis*, *Diacrium* and *Schomburgkia*, and there is still plenty of scope for further experiments.

*LÆLIA* may be bracketed with *Cattleya* as regards treatment, and the remark applies to the allied genera, which cross with each other very freely.

*SOPHRONITIS GRANDIFLORA* crosses freely with *Cattleya* and *Lælia*, but the seedlings are rather delicate, and grow very slowly. The *Sophronitis* is generally used as the seed-bearer, and the pollen masses of the larger parent have to be cut, being too large for the stigma.

*EPIDENDRUM* flowers are rather difficult to manipulate, owing to their small size, and to the fact that the lip is united to the column, but the seedlings are among the easiest to raise, and they begin to flower in the second or third year. The capsules mature very quickly, and no easier subject could be found for a beginner.

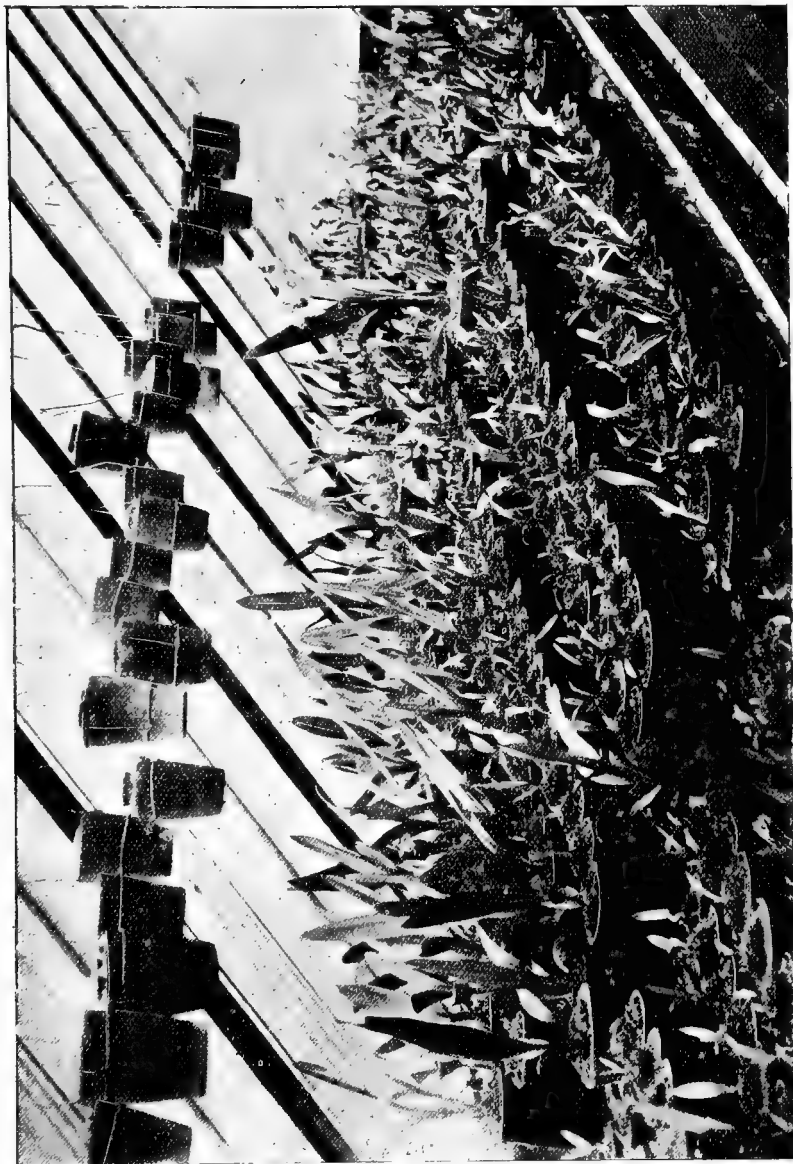
*DENDROBIUM* seedlings are not difficult to raise, and begin to flower when three or four years old. The popular *D. nobile* has been crossed with many

of the allied species, and some of these with each other, but there is plenty of scope for further experiments, especially in the way of securing greater variety among the hybrids.

ODONTOGLOSSUM.—For a long period the genus *Odontoglossum* furnished the apparent paradox that although natural hybrids were common all attempts to raise them artificially resulted in failure. At length, in 1890, one seedling flowered in the collection of Baron Edmond de Rothschild, at Armainvilliers, near Paris, and a year later a second with Messrs. Veitch. A few other single examples followed, and then M. Ch. Vuylsteke, of Loochristi, Ghent, took the genus in hand, and his remarkable success is now known to every hybridist. At the present time they are being raised in numerous collections, with great success. It is probable that the early experiments were conducted on wrong lines, for the seedlings are not difficult to raise where *Odontoglossums* are well grown, only requiring a little additional care while very small. A slight increase in the amount of heat, shade and moisture seems to be the most important cultural modification to aim at. The seeds should be scattered over the surface of the compost of an established plant, and kept constantly moist and shaded from direct sunlight, when the seeds will soon assume a greenish tinge, and pass through the ordinary stages of germination. It is best to sow seeds on several plants in different positions, and if seedlings do not result some error in treatment may be suspected. When the tiny seedlings are pricked off, the protection of a small hand light is useful until they become well established. A point to remember is that the minute seedlings are very delicate in their earlier stages, and liable to be ruined by a few hours neglect, which would have no effect on older plants. On the opposite page is given a photographic illustration of a group of 600 seedlings raised in the collection of W. Thompson, Esq., Walton Grange, Stone, by Mr. W. Stevens. The suspended pots contain the tiny seedlings, potted in thimble pots and plunged in moss, while the larger ones stand on the stage beneath, one of them (in the back row on the right) being in flower, so that plants in every stage are represented. As regards their culture Mr. Stevens remarks:—

“I find that seeds germinate pretty freely almost anywhere in a cool house, on pots with other plants, or on calico or flannel placed in pots stuffed tight with moss, but as soon as they have formed a little corm they want to be moved on to pots of moss, and hung up near the light. During winter they require all the light they can get, but as the sun gets more power they require plenty of care and watching, so as not to over-water or shrivel them up. When large enough I single them out into finger pots, and plunge them in larger pots filled with moss, so as to keep them in an equable condition as regards moisture, and when they begin to root they may

be considered safe, always with the exception of insect pests. Thrips will soon make work with the tiny plants, and must be kept down, but I consider the greatest pest of all is a small black midge, which lays its eggs in the compost, and the grub when hatched out feeds on all it can find in the



GROUP OF SEEDLING ODONTOGLOSSUMS AT WALTON GRANGE.

pots." For other details we must refer the reader to the original article (*Orch. Rev.* 1903, pp. 41-43, fig. 10).

Odontoglossum has also been united with the allied genera, *Cochlioda* and *Miltonia*, yielding the hybrids known under the names of *Odontioda*

and *Odontonia*, the former including some of the most brilliant hybrids that have yet appeared. An enormous number of seedlings are now in existence, and some striking developments may be anticipated. In using *Cochlioda* as the seed parent it should be remembered that the genus possesses two lateral stigmas. The seedlings should be treated like *Odontoglossums*.

**PHALÆNOPSIS.**—Several beautiful *Phalænopsis* hybrids have been raised, but they grow slowly, and require a good deal of care. The capsules mature early, and the seeds should be sown on the compost of the parent plants, and the seedlings, when large enough, should be carefully pricked off and placed in the best position in the house, after which, with proper care, they will gradually progress till the flowering stage is reached. The behaviour of the flowers after fertilisation is curious. The sepals and petals do not fade, but gradually lose their original colour, becoming green, and doubtless act like leaves in assimilating food for the benefit of the maturing capsule. *Vanda* is an allied genus of which two hybrids have been raised, and the seedlings should receive similar treatment to *Phalænopsis*.

**SEEDLING ORCHIDS AND FUNGI.**—The question of fungus co-operation in Orchid roots is interesting. By a series of experiments M. Noel Bernard has ascertained that the presence of certain microscopic fungi is indispensable for the germination of Orchid seeds. He has always found these fungi on the seedlings sent to him, as well as in those collected in their native homes; also that when the seeds are sown in sterilised tubes germination cannot progress beyond a certain stage. But if the fungi are then added growth proceeds, and he comes to the conclusion that these fungi elaborate a supply of food which the young seedlings are not able to obtain for themselves. How far this information can be utilised by Orchid growers is not quite clear, for these fungi are present wherever the parent plants are grown, and so the seedlings may be left to take care of themselves. A photograph of M. Bernard's cultures, with details, may be found in the *Orchid Review* (1906, pp. 201, 203).

**GENERAL CONCLUSIONS.**—It may be added, in conclusion, that Orchid seedlings, whatever the genus, require the same treatment as their parents, and where the latter are well grown, no difficulty should be experienced. A little additional care is necessary during their infantile stages, because from their minute size a few hours neglect may injure them beyond all hope of recovery, while the effect upon older plants might scarcely be noticed. For the same reason special attention should be paid by the grower to cleanliness, and to the keeping down of insect pests. In a wild state seedlings receive no special attention, but the conditions are suitable for old and young alike, and the plants pass through their different stages accordingly. If similar conditions can be secured at home the grower may embark on this most fascinating phase of Orchid culture with confidence.

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Amer. G.	American Gardening.
Amer. G.C.	Gardeners' Chronicle of America.
B.M.	Botanical Magazine.
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Boyle Woodl. O.	Boyle, Woodlands Orchids.
Bull Cat.	Wm. Bull & Sons' Catalogue.
Bull. Soc. Tosc. Ort.	Bulletino della R. Società Toscana di Orticultura.
Charlesw. Cat.	Charlesworth & Co.'s Catalogue.
Chron. O.	Chronique Orchidéenne.
Day. O. Draw.	Day, Orchid Drawings (at Kew).
Desb. Cyp.	Desbois, Monographie des Cyripedium, Selenipedium et Uropedium.
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Die Gart.	Die Gartenwelt.
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Fl. d. Ser.	Flore des Serres.
Fl. Exch.	Florist's Exchange.
Fl. M.	Floral Magazine.
Fl. and Pom.	Florist and Pomologist.
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G. Alb.	Garden Album.
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G.M.	Gardeners' Magazine.
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**Brassavola**—(continued).

3. **B. glauca.**

- C. Leopoldi. B.-c. × conspicua.  
 C. Lueddemanniana. B.-c. × Milton.  
 C. Schröderæ. B.-c. × Sanderi.  
 C. Trianae. B.-c. × Orpheus.  
 Lælia cinnabarina. Brassokelia × Clio.  
 L. harpophylla. B.-l. × Bouteletii.

4. **B. Perrinii.**

- Cattleya Leopoldi. Brassocattleya ×  
 belairensis.

**8. BRASSOCATTELEYA.**

1. **B.-c. × Lindleyana** (nat.  
 hyb.).

- Læliocattleya × Brassocatelia ×  
 elegans. Lawrencei.

**9. CALANTHE.**

1. **C. × bella.**

- C. × Veitchii. C. × Florence.

2. **C. Darblayana.**

- C. rosea. C. × splendens.  
 C. × Ruby. C. × atrorubens.  
 Phaius grandifolius. Phaiocalanthe ×  
 grandis.

3. **C. furcata.**

- C. Masuca. C. × Dominyi.

4. **C. × gigas.**

- Phaius grandifolius. Phaiocalanthe ×  
 Niobe.  
 P. Wallichii. P.-c. × Schröder-  
 iana.

5. **C. grandiflora.**

- C. Regnieri. C. × gigas.

6. **C. labrosa.**

- C. × Veitchii. C. × lentiginosa.  
 C. vestita. C. × porphyrea.

7. **C. Masuca.**

- C. furcata. C. × Dominyi.  
 C. tricarinata. C. × Harryana.  
 C. veratrifolia. C. × Rollissoni.  
 Phaius grandifolius. Phaiocalanthe ×  
 inspirata.  
 P. Humbloti. P.-c. × Berryana.

8. **C. Regnieri.**

- C. grandiflora. C. × gigas.  
 C. rosea. C. × Aurora.

**Calanthe Regnieri**—(continued).

- C. × Veitchii. C. × Winnii.  
 C. veratrifolia. C. × Elwesii.  
 C. vestita. C. × Darblayana.  
 Phaius grandifolius. Phaiocalanthe ×  
 Arnoldæ.

9. **C. rosea.**

- C. × Darblayana. C. × splendens.  
 C. Regnieri. C. × Aurora.  
 C. × Veitchii. C. × Victoria-  
 Regina.  
 C. vestita. C. × Veitchii.

10. **C. × Ruby.**

- C. × Darblayana. C. × atrorubens.  
 Phaius Wallichii. Phaiocalanthe ×  
 Ruby.

11. **C. Sanderiana.**

- C. veratrifolia. C. × Laucheana.

12. **C. × Sedenii.**

- C. veratrifolia. C. × albata.  
 C. vestita. C. × Ruby.

13. **C. tricarinata.**

- C. Masuca. C. × Harryana.

14. **C. Turneri.**

- C. × Veitchii. C. × bella.  
 C. vestita. C. × Barberiana.

15. **C. × Veitchii.**

- C. × bella. C. × Florence.  
 C. labrosa. C. × lentiginosa.  
 C. Regnieri. C. × Winnii.  
 C. rosea. C. × Victoria-  
 Regina.  
 C. Turneri. C. × bella.  
 C. vestita. C. × Sedenii.  
 Phaius grandifolius. Phaiocalanthe ×  
 Sedeniana.  
 P. Wallichii. P.-c. × Brandtæ.

16. **C. veratrifolia.**

- C. Masuca. C. × Rollissoni.  
 C. Regnieri. C. × Elwesii.  
 C. Sanderiana. C. × Laucheana.  
 C. × Sedenii. C. × albata.

17. **C. vestita.**

- C. labrosa. C. × porphyrea.  
 C. Regnieri. C. × Darblayana.  
 C. rosea. C. × Veitchii.  
 C. × Sedenii. C. × Ruby.  
 C. Turneri. C. × Barberiana.  
 C. × Veitchii. C. × Sedenii.  
 Phaius grandifolius. Phaiocalanthe ×  
 irrorata.



**10. CATTLEYA.****1. C. Aclandiae.**

C. bicolor.	C. × Fascelis.
C. Dowiana.	C. × Clementinæ.
C. Forbesii.	C. × quinquecolor.
C. granulosa.	C. × Bleui.
C. intermedia.	C. × calummata.
C. labiata.	C. × Eurydice.
C. Loddigesii.	C. × Brabantæ.
C. maxima.	C. × Rooseveltiæ.
C. Mendelii.	C. × Niobe.
C. Mossiæ.	C. × Apollo.
C. Schilleriana.	C. × peckaviensis.
C. Schröderæ.	C. × Saint-Benoit.
C. superba.	C. × Selfridgei.
C. Trianæ.	C. × Lottie.
C. Warscewiczii.	C. × Fernandii.
Lælia cinnabarina.	Læliocattleya × Adolphus.
L. pumila.	L.-c. × Dallemagnei.
L. purpurata.	L.-c. × Emiliae.
L. superbians.	L.-c. × Humberti.
L. tenebrosa.	L.-c. × Remula.
Læliocattleya × elegans.	L.-c. × Philbrickiana.
Sophronitis grandiflora.	Sophracattleya × Hardyana.

**2. C. amethystoglossa.**

C. granulosa.	C. × granuglossa.
C. intermedia.	C. × interglossa.
C. Lueddemaniana.	C. × Thorntonii.
C. Trianæ.	C. × Miranda.
Epidendrum × O'Brienianum.	Epicattleya × Orpetii.
Lælia cinnabarina.	Læliocattleya × Marica.
L. harpophylla.	L.-c. × Ghislainæ.

**3. C. aurantiaca.**

C. intermedia.	C. × aurantimedia.
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**4. C. bicolor.**

C. Aclandiae.	C. × Fascelis.
C. Bowringiana.	C. × Chesnelliana.
C. Dowiana.	C. × Iris.
C. labiata.	C. × Clarkiæ.
C. Leopoldi.	C. × Mahleræ.
C. Lueddemaniana.	C. × Geleniana.
C. Rex.	C. × Tankervilleæ.
C. Trianæ.	C. × Pandora.
C. velutina.	C. × Frasquita.
C. Warscewiczii.	C. × Ella.
Lælia crispa.	Læliocattleya × Terentia.

**Cattleya bicolor (continued).**

L. Dayana.	L.-c. × Hamiltoni.
L. harpophylla.	L.-c. × leucasta.
L. pumila.	L.-c. × Binoti.
L. tenebrosa.	L.-c. × La-France.
L. xanthina.	L.-c. × elsteadensis.
Læliocattleya × elegans.	L.-c. × Gazelle.
L.-c. × Schilleriana.	L. c. × Andreana.

**5. C. Bowringiana.**

C. bicolor.	C. Chesnelliana.
C. Dormaniana.	C. Firefly.
C. Dowiana.	C. × Mantinii.
C. Eldorado.	C. × Rothwelliæ.
C. Gaskelliana.	C. × Ariel.
C. × Hardyana.	C. × Whiteleyæ.
C. × Harrisii.	C. × Fabiola.
C. Harrisoniana.	C. × Browniæ.
C. labiata.	C. × Portia.
C. Leopoldi.	C. × Bactia.
C. Loddigesii.	C. × Minerva.
C. maxima.	C. × Chloris.
C. superba.	C. × Charlesworthii.
C. Trianæ.	C. × Barbara.
C. velutina.	C. × Clytie.
C. Warneri.	C. × Chapmanii.
C. Warscewiczii.	C. × Wendlandiana.

Epidendrum × O'Brienianum.	Epicattleya × O'Brieniæ.
E. radiatum.	E.-c. × Sedenii.
E. radicans.	E.-c. × matutina.
Lælia albida.	Læliocattleya × Bowrialbida.
L. anceps.	L.-c. × Wrigleyi.
L. autumnalis.	L.-c. × belairensis.
L. Dayana.	L.-c. × Meteor.
L. pumila.	L.-c. × Parysatis.
L. tenebrosa.	L.-c. × Irene.
Læliocattleya × Clive.	L.-c. × decora.
L.-c. × Dominiana.	L.-c. × Illione.
L.-c. × elegans.	L.-c. × Tiresias.
L.-c. × Ingramii.	L.-c. × Robsonæ.
L.-c. × Leeana.	L.-c. × Hera.
Sophronitis grandiflora.	Sophracattleya × eximia.

**6. C. × Brymeriana (nat. hyb.).**

C. labiata.	C. × Viceroy.
Lælia tenebrosa.	Læliocattleya × Milleri.
Læliocattleya × elegans.	L.-c. × princeps.

**Cattleya**—(continued).

7. **C. × calummata.**  
 Sophronitis grandiflora. Sophrocattleya × Nydia.
8. **C. citrina.**  
 C. intermedia. C. × lamberhurstensis.  
 Læliocattleya × elegans. Læliocattleya × Seraph.
9. **C. × Claesiana.**  
 Epidendrum × O'Brienianum. Epicattleya × Nebo.
10. **C. dolosa.**  
 C. labiata. C. × rubescens.  
 C. Trianae. C. × Mariannae.  
 Lælia Boothiana. Læliocattleya × Praeti.  
 L. Dayana. L.-c. × Maynardi.  
 L. purpurata. L.-c. × radiata.
11. **C. Dormaniana.**  
 C. Bowringiana. C. × Firefly.  
 C. Dowiana. C. × Doinii.  
 C. luteola. C. × Arthuriana.  
 Lælia xanthina. Læliocattleya × Sanderæ.  
 Læliocattleya × Schilleriana. L.-c. × claptonensis.
12. **C. Dowiana.**  
 • Brassavola Digbyana. Brassocattleya × Leemanniae.  
 C. Aclandiae. C. × Clementinæ.  
 • C. bicolor. C. × Iris.  
 • C. Bowringiana. C. × Mantinii.  
 C. Dormaniana. C. × Doinii.  
 • C. Eldorado. C. × Ingramæ.  
 • C. Forbesii. C. × fulvescens.  
 • C. Gaskelliana. C. × Rothschildiana.  
 • C. granulosa. C. × Pittiana.  
 • C. Harrisoniana. C. × Pittiæ.  
 • C. labiata. C. × Fabia.  
 • C. Leopoldi. C. × Chamberlainiana.  
 • C. Lueddemaniana. C. × Kienastiana.  
 • C. luteola. C. × Aurora.  
 • C. maxima. C. × vernalis.  
 • C. Mendelii. C. × Octavia.  
 • C. Mossiæ. C. × Frederickiæ.  
 C. × Patrocinii. C. × Saint-Gilles.  
 C. Percivaliana. C. × Leda.  
 C. Schilleriana. C. × Wiganiï.  
 C. Schröderæ. C. × Zephyra.  
 • C. Trianae. C. × Raphaelæ.

**Cattleya Dowiana**—(continued).

- C. velutina. C. × Maroni.  
 • C. Warneri. C. × Comet.  
 • C. Warszewiczii. C. × Hardyana.  
 Lælia cinnabarina. Læliocattleya × Charlesworthii.  
 L. crispa. L.-c. × Pallas.  
 L. Dayana. L.-c. × Ingrami.  
 L. × Euterpe. L.-c. × Astræa.  
 L. × Gravesiæ. L.-c. × Clytie.  
 L. Perrinii. L.-c. × Decia.  
 L. pumila. L.-c. × Clive.  
 L. purpurata. L.-c. × Dominiana.  
 L. tenebrosa. L.-c. × Truffautiana.  
 L. xanthina. L.-c. × Ophir.  
 Læliocattleya × callistoglossa. L.-c. × Colmaniana.  
 L.-c. × elegans. L.-c. × Fournieriæ.  
 L.-c. × Schilleriana. L.-c. × Lucilia.
13. **C. Eldorado.**  
 Brassavola Digbyana. Brassocattleya × Pocahontas.  
 C. Bowringiana. C. × Rothwelliæ.  
 C. Dowiana. C. × Ingramæ.  
 C. Gaskelliana. C. × Nymph.  
 C. labiata. C. × Maronæ.  
 C. Leopoldi. C. × Mitchellii.  
 C. Warszewiczii. C. × Marriottiæ.  
 Lælia crispa. Læliocattleya × Pisandra.  
 L. harpophylla. L.-c. × Maroni.  
 L. xanthina. L.-c. × odorata.
14. **C. elongata.**  
 • C. labiata. C. × Rembrandt.
15. **C. Forbesii.**  
 C. Aclandiae. C. × quinquecolor.  
 C. Dowiana. C. × fulvescens.  
 C. Gaskelliana. C. × Winniana.  
 C. intermedia. C. × Isabella.  
 C. Mendelii. C. × Melpomene.  
 C. Mossiæ. C. × Heloisiæ.  
 C. superba. C. × superforbesii.  
 C. velutina. C. × Juno.  
 Lælia purpurata. Læliocattleya × Regina.
16. **C. Gaskelliana.**  
 Brassavola Digbyana. Brassocattleya × Thorntoni.  
 C. Bowringiana. C. × Ariel.  
 • C. Dowiana. C. × Rothschildiana.

**Cattleya Gaskelliana**—(continued).

C. Eldorado.	C. × Nymph.
C. Forbesii.	C. × Winniana.
C. Harrisoniana.	C. × Williamsiæ.
C. Leopoldi.	C. × Doris.
C. Loddigesii.	C. × Greavesiæ.
C. Lueddemanniana.	C. × Cybele.
C. maxima.	C. × Milleri.
C. Rex.	C. × Pearl.
C. Schilleriana.	C. × Goossensiana.
C. superba.	C. × mollis.
C. Warscewiczii.	C. × Harold.
Epidendrum costaricense.	Epicattleya × Lilianæ.
Lælia anceps.	L.-c. × novissima.
L. Boothiana.	Læliocattleya × Ethelwald.
• L. crispa.	L.-c. × Bryan.
L. Dayana.	L. c. × Eunomia.
L. Perrinii.	L.-c. × Semiramis.
L. purpurata.	L.-c. × Roeblingii.
L. tenebrosa.	L.-c. × Eva.
• L. xanthina.	L.-c. × Astoræ.
Læliocattleya × elegans.	L.-c. × Herga.
L.-c. × Proserpine.	L.-c. × Tyro.

**17. C. granulosa.**

C. Aclandiæ.	C. × Bleui.
C. amethystoglossa.	C. × granuglossa.
• C. Dowiana.	C. × Pittiana.
• C. × Hardyana.	C. × Germania.
C. Harrisoniana.	C. × Gratrixiæ.
C. labiata.	C. × Imperator.
C. Leopoldi.	C. × Titus.
• C. Mendelii.	C. × weedoniensis.
• C. Mossiæ.	C. × Dallemagneæ.
C. Rex.	C. × Shakespeare.
C. Schilleriana.	C. × resplendens.
C. superba.	C. × Nephthys.
C. velutina.	C. × Greyæ.
C. Walkeriana.	C. × Leucothoe.
• C. Warscewiczii.	C. × Wavriniana.
Lælia cinnabarina.	Læliocattleya × Milleræ.
L. crispa.	L.-c. × Mylam- iana.
L. Dayana.	L.-c. × Galatea.
L. purpurata.	L.-c. × burba- gensis.
L. tenebrosa.	L. c. × Magnei.
L. xanthina.	L.-c. × Robinii.
Læliocattleya × Schilleriana.	L.-c. × Noel.

**18. C. guttata.**

C. Loddigesii.	C. × hybrida.
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**Cattleya**—(continued).**19. C. × Hardyana.**

Brassavola Digby- ana.	Brassocattleya × heatonensis.
C. Bowringiana.	C. × Whiteleyæ.
C. granulosa.	C. × Germania.
• C. labiata.	C. × Peetersii.
C. Leopoldi.	C. × Fowleri.
C. Mendelii.	C. × Roehrsiana.
Lælia cinnabarina.	Læliocattleya × Edwardi.
• L. pumila.	L.-c. × rubens.
L. tenebrosa.	L.-c. × Haroldiana.
Læliocattleya × albanensis.	L.-c. × dellensis.
L.-c. × elegans.	L.-c. × Chantinii.
L.-c. × Schilleri- ana.	L.-c. × Green- woodii.

**20. C. × Harrisii.**

C. Bowringiana.	C. × Fabiola.
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**21. C. Harrisoniana.**

C. Bowringiana.	C. × Browniæ.
• C. Dowiana.	C. × Pittiæ.
C. Gaskelliana.	C. × Williamsiæ.
C. granulosa.	C. × Gratrixiæ.
C. Leopoldi.	C. × Lucianiana.
• C. Mossiæ.	C. × highbur- iensis.
C. Schilleriana.	C. × Daphne.
Lælia cinnabarina.	Læliocattleya × Gladys.
L. Dayana.	L.-c. × Groganiæ.
L. harpophylla.	L.-c. × Luna.
L. pumila.	L.-c. × confusa
L. purpurata.	L.-c. × Whitiniæ.
L. tenebrosa.	L.-c. × Crans- touniæ.
Sophronitis grandi- flora.	Sophracattleya × Chamberlaini.

**22. C. intermedia.**

Brassavola fragrans.	Brassocattleya × nivalis.
C. Aclandiæ.	C. × calummata.
C. amethystoglossa.	C. × interglossa.
C. aurantiaca.	C. × aurantimedia.
C. citrina.	C. × lamberhurst- ensis.
C. Forbesii.	C. × Isabella.
C. Leopoldi.	C. × intricata.
C. Loddigesii.	C. × Claesiana.
C. Lueddeman- niana.	C. × Claridiana.
C. maxima.	C. × Dominiana.
C. Mendelii.	C. × suavior.

**Cattleya intermedia**—(continued).

C. Mossiæ.	C. × Mackayi.
C. Percivaliana.	C. × brunoyensis.
C. Schilleriana.	C. × Bertheauana.
C. Schrœderæ.	C. ×/Thayeriana.
C. Skinneri.	C. × belairensis.
C. superba.	C. × porphyro- phlebia.
C. Trianaë.	C. × Olivia.
Lælia cinnabarina.	Læliocattleya × Amelia.
L. flava.	L.-c. × Fournieri.
L. grandis.	L.-c. × Ella.
L. purpurata.	L.-c. × Schilleri- ana.
Læliocattleya × elegans.	L.-c. × Cicero.
L.-c. × Hippolyta.	L.-c. × Santiago.
L.-c × Schilleri- ana.	L.-c. × Zampa.
Sophronitis grandi- flora.	Sophracattleya × Batemanniana.

23. **C. × intricata.**

C. superba.	C. × Burberryana.
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24. **C. iricolor.**

C. Mossiæ.	C. × Philo.
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25. **C. × Isabella.**

C. Mossiæ.	C. × Parthenia.
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26. **C. labiata.**

• Brassavola Digby- ana.	Brassocattleya × Fournieræ.
C. Aclandæ.	C. × Eurydice.
C. bicolor.	C. × Clarkiæ.
C. Bowringiana.	C. × Portia.
C. × Brymeriana.	C. × Viceroy.
C. dolosa.	C. × rubescens.
• C. Dowiana.	C. × Fabia.
C. Eldorado.	C. × Maronæ.
• C. elongata.	C. × Rembrandt.
C. granulosa.	C. × Imperator.
C. × Hardyana.	C. × Peetersii.
C. Lawrenceana.	C. × Mars.
C. Leopoldi.	C. × Victoria- Regina.
C. Loddigesii.	C. × Mastersonæ.
C. Mossiæ.	C. × (Enone.
Lælia anceps.	Læliocattleya × Liptoni.
L. autumnalis.	L.-c. × cornuta.
L. cinnabarina.	L.-c. × Coronis.
L. crispa.	L.-c. × Veitchiana.
L. Dayana.	L. c. × Wilsonæ.

**Cattleya labiata**—(continued).

L. Perrinii.	L.-c. × Statteriana.
L. pumila.	L.-c. × Cornelia.
L. purpurata.	L.-c. × bella.
L. tenebrosa.	L.-c. × Lucasiana.
Læliocattleya × Clive.	L.-c. × Cooksonæ.
L.-c. × elegans.	L.-c. × Schulze- ana.
L.-c. × exoniensis.	L.-c. × Leonæ.
L.-c. × Gottoiana.	L.-c. × Jeanette.
L.-c. × Schilleri- ana.	L.-c. × Scottiana.

27. **C. Lawrenceana.**

C. labiata.	C. × Mars.
C. Lueddeman- niana.	C. × Preciosa.
C. Mendelii.	C. × Murrayi.
C. Mossiæ.	C. × Lawre- mossiæ.
C. Percivaliana.	C. × Sedenii.
C. Schilleriana.	C. × Firebrand.
C. Schrœderæ.	C. × Jussieu.
C. Trianaë.	C. × Cecilia.
C. Warscewiczii.	C. × Jupiter.
Lælia Boothiana.	Læliocattleya × Hilda.
L. cinnabarina.	L.-c. × highburi- ensis.
L. harpophylla.	L.-c. × Ida.
L. Perrinii.	L.-c. × Minerva.
L. purpurata.	L.-c. × Hyeana.
L. tenebrosa.	L.-c. × Baden- Powellii.
Læliocattleya × elegans.	L.-c. × Ruby.

28. **C. Leopoldi.**

Brassavola Digby- ana.	Brassocattleya × conspicua.
B. Perrinii.	B.-c. × belairensis.
C. bicolor.	C. × Mahleræ.
C. Bowringiana.	C. × Bactia.
C. Dowiana.	C. × Chamber- lainiana.
C. Eldorado.	C. × Mitchellii.
C. Gaskelliana.	C. × Doris.
C. granulosa.	C. × Titus.
C. × Hardyana.	C. × Fowleri.
C. Harrisoniana.	C. × Lucianiana.
C. intermedia.	C. × intricata.
C. labiata.	C. × Victoria- Regina.
C. Loddigesii.	C. × Patrocini.
C. Mendelii.	C. × Harrisii.
C. Mossiæ.	C. × Cyane.

**Cattleya Leopoldi**—(continued).

C. Schroederæ.	C. × Gautheriniana.
C. superba.	C. × Feuillatii.
C. Trianaë.	C. × Zeo.
* C. Warscewiczii.	C. × Atalanta.
Lælia cinnabarina.	Læliocattleya × Diogenes.
L. crispa.	L.-c. × devoniensis.
L. harpophylla.	L.-c. × Osyana.
L. pumila.	L.-c. × olivetensis.
* L. tenebrosa.	L.-c. × Issy.
Læliocattleya × elegans.	L.-c. × La-Fresnaie.
L.-c. × Schilleriana.	L.-c. × aurelianensis.
Sophronitis grandiflora.	Sophracattleya × Cleopatra.

**29. C. Loddigesii.**

C. Aclandæ.	C. × Brabantia.
C. Bowringiana.	C. × Minerva.
C. Gaskelliana.	C. × Greavesiæ.
C. guttata.	C. × hybrida.
C. intermedia.	C. × Claesiana.
C. labiata.	C. × Marstersonæ.
C. Leopoldi.	C. × Patrocini.
C. Luëddemanniana.	C. × Manglesi.
C. maxima.	C. × olivetensis.
C. Mendelii.	C. × Clarissa.
C. Skinneri.	C. × Astræa.
C. superba.	C. × Breauteana.
* C. Trianaë.	C. × Albertiana.
* C. Warscewiczii.	C. × Minucia.
Lælia crispa.	Læliocattleya × Tresederiana.
L. Dayana.	L.-c. × Aurora.
L. Perrinii.	L.-c. × amœna.
L. pumila.	L.-c. × Leeana.
L. purpurata.	L.-c. × Sallieri.
Læliocattleya × elegans.	L.-c. × Zenobia.
L.-c. × exoniensis.	L.-c. × fausta.
L.-c. × fausta.	L.-c. × leucoglossa.
L.-c. × Schilleriana.	L.-c. × Behrensiana.
Sophronitis grandiflora.	Sophracattleya × Calypso.

**30. C. Luëddemanniana.**

C. amethystoglossa.	C. × Thornton.
C. bicolor.	C. × Geleniana.
* C. Dowiana.	C. × Kienastiana.
C. Gaskelliana.	C. × Cybele.
C. intermedia.	C. × Claridiana.
C. Lawrenceana.	C. × Preciosa.

**Cattleya Luëddemanniana**—(contd.).

C. Loddigesii.	C. × Manglesi.
C. Schilleriana.	C. × Claudian.
C. Trianaë.	C. × Princess.
C. velutina.	C. × Measuresiæ.
Lælia Dayana.	Læliocattleya × Timora.
L. Perrinii.	L.-c. × Hermione.
L. pumila.	L.-c. × porphyrea.
L. purpurata.	L.-c. × Duvaliana.
Læliocattleya × devoniensis.	L.-c. × Mardellii.
L.-c. × Schilleriana.	L.-c. × Ada.

**31. C. luteola.**

C. Dormaniana.	C. × Arthuriana.
C. Dowiana.	C. × Aurora.
C. × Parthenia.	C. × exquisita.
C. Trianaë.	C. × flavescens.

**32. C. Marstersoniæ.**

Lælia pumila.	Læliocattleya × Isis.
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**33. C. maxima.**

C. Aclandæ.	C. × Rooseveltiæ.
C. Bowringiana.	C. × Chloris.
* C. Dowiana.	C. × vestalis.
C. Gaskelliana.	C. × Milleri.
C. intermedia.	C. × Dominiana.
C. Loddigesii.	C. × olivetensis.
C. Skinneri.	C. × Eclipse.
Lælia crispa.	Læliocattleya × Amesiana.
L. pumila.	L.-c. × Measuresii.
L. purpurata.	L.-c. × Amazone.
Læliocattleya × elegans.	L.-c. × Darwiniana.

**34. C. Mendelii.**

* Brassavola Digbyana.	Brassocattleya × Maroni.
* C. Aclandæ.	C. × Niobe.
* C. Dowiana.	C. × Octavia.
C. Forbesii.	C. × Melpomene.
C. granulosa.	C. × weedoniensis.
C. × Hardyana.	C. × Roehrsiana.
C. intermedia.	C. × suavior.
* C. Lawrenceana.	C. × Murrayi.
C. Leopoldi.	C. × Harrisii.
C. Loddigesii.	C. × Clarissa.
* C. Rex.	C. × Haley.
* C. Warscewiczii.	C. × armainvillierensis.
Lælia cinnabarina.	Læliocattleya × Lucia.
L. × Latona.	L.-c. × Cora.
* L. purpurata.	L.-c. × Aphrodite.

**Cattleya Mendelii**—(continued).

- |                |                   |
|----------------|-------------------|
| L. tenebrosa.  | L.-c. × Acis.     |
| * L. xanthina. | L.-c. × Zephyra.  |
| Læliocattleya  | L.-c. × Powellii. |
| Schilleriana.  |                   |

**35. C. Mossiæ.**

- |                           |                              |
|---------------------------|------------------------------|
| * Brassavola Digbyana.    | Brassocattleya × Veitchii.   |
| B. fragrans.              | B.-c. × striata.             |
| C. Aclandiæ.              | C. × Apollo.                 |
| * C. Dowiana.             | C. × Frederickiæ.            |
| C. Forbesii.              | C. × Heloisie.               |
| * C. granulosa.           | C. × Dallemagneæ.            |
| C. Harrisoniana.          | C. × highburiensis.          |
| * C. intermedia.          | C. × Mackayi.                |
| C. iricolor.              | C. × Philo.                  |
| * C. × Isabella.          | C. × Parthenia.              |
| C. labiata.               | C. × (Enone.                 |
| C. Lawrenceana.           | C. × Lawrence-mossiæ.        |
| C. Leopoldi.              | C. × Cyane.                  |
| C. Rex.                   | C. × Faerie-Queene.          |
| * C. Schilleriana.        | C. × Harrisæ.                |
| C. superba.               | C. × Gertrude.               |
| C. Walkeriana.            | C. × Eros.                   |
| C. Warneri.               | C. × intertexta.             |
| * C. Warscewiczii.        | C. × Adonis.                 |
| Lælia Boothiana.          | Læliocattleya × mollis.      |
| L. cinnabarina.           | L.-c. × Hippolyta.           |
| L. crispa.                | L.-c. × exoniensis.          |
| L. grandiflora.           | L.-c. × Juno.                |
| L. grandis.               | L.-c. × Hebe.                |
| L. harpophylla.           | L.-c. × Hodgkinsonæ.         |
| L. Perrinii.              | L.-c. × Beranekii.           |
| * L. purpurata.           | L.-c. × Canhamiana.          |
| L. superbians.            | L.-c. × Choletiana.          |
| * L. tenebrosa.           | L.-c. × Martinetii.          |
| * L. xanthina.            | L.-c. × Norba.               |
| Læliocattleya × Amesiana. | L.-c. × Nephelia.            |
| L.-c. × elegans.          | L.-c. × Krænzlinii.          |
| L.-c. × Gottoiana.        | L.-c. × Wiganæ.              |
| L.-c. × Hippolyta.        | L.-c. × Ceres.               |
| L.-c. × Schilleriana.     | L.-c. × Fortuna.             |
| Schomburgkia tибicinis.   | Schombocattleya × spiralis.  |
| Sophronis grandiflora.    | Sophracattleya × Imperatrix. |

**36. C. × O'Brieniana.**

- |                          |                         |
|--------------------------|-------------------------|
| Læliocattleya × elegans. | Læliocattleya × Herode. |
|--------------------------|-------------------------|

**Cattleya**—(continued).**37. C. × Parthenia.**

- |             |                 |
|-------------|-----------------|
| C. luteola. | C. × exquisita. |
| C. Warneri. | C. × Wellsæ.    |

**38. C. × Patrocini.**

- |                  |                    |
|------------------|--------------------|
| C. Dowiana.      | C. × Saint-Gilles. |
| C. Warscewiczii. | C. × mirabilis.    |

**39. C. Percivaliana.**

- |                          |                              |
|--------------------------|------------------------------|
| C. Dowiana.              | C. × Leda.                   |
| C. intermedia.           | C. × brunoyensis.            |
| C. Lawrenceana.          | C. × Sedenii.                |
| C. quadricolor.          | C. × Knightii.               |
| C. Trianæ.               | C. × Adela.                  |
| Lælia cinnabarina.       | Læliocattleya × Percibarina. |
| L. flava.                | L.-c. × Ernesti.             |
| L. Perrinii.             | L.-c. × Homere.              |
| L. purpurata.            | L.-c. × Electra.             |
| Læliocattleya × elegans. | L.-c. × Venus.               |

**40. C. quadricolor.**

- |                      |                                |
|----------------------|--------------------------------|
| Brassavola Digbyana. | Brassocattleya × Chamberlainæ. |
| C. Percivaliana.     | C. × Knightii.                 |
| Lælia cinnabarina.   | Læliocattleya × Leopoldi.      |

**41. C. Rex.**

- |                  |                            |
|------------------|----------------------------|
| C. bicolor.      | C. × Tankervilleæ.         |
| C. Gaskelliana.  | C. × Pearl.                |
| C. granulosa.    | C. × Shakespeare.          |
| C. Mendelii.     | C. × Halevy.               |
| C. Mossiæ.       | C. × Faerie-Queene.        |
| C. velutina.     | C. × Lloydæ.               |
| C. Warscewiczii. | C. × Clymene.              |
| Lælia crispa.    | Læliocattleya × Bievreana. |
| L. tenebrosa.    | L.-c. × Doinii.            |
| L. xanthina.     | L.-c. × Constance.         |

**42. C. Schilleriana.**

- |                   |                    |
|-------------------|--------------------|
| C. Aclandiæ.      | C. × peckaviensis. |
| C. Dowiana.       | C. × Wiganii.      |
| C. Gaskelliana.   | C. × Goossensiana. |
| C. granulosa.     | C. × respiciens.   |
| C. Harrisoniana.  | C. × Daphne.       |
| C. intermedia.    | C. × Bertheauana.  |
| C. Lawrenceana.   | C. × Firebrand.    |
| C. Lueddemaniana. | C. × Claudian.     |
| C. Mossiæ.        | C. × Harrisæ.      |
| C. Trianæ.        | C. × Elvina.       |
| C. Warneri.       | C. × Whitei.       |
| C. Warscewiczii.  | C. × Edwardi.      |

**Cattleya Schilleriana**—(continued).

<i>Lælia cinnabarina.</i>	<i>Læliocattleya</i> × Helena.
<i>L. crispa.</i>	<i>L.-c.</i> × <i>felix.</i>
<i>L. purpurata.</i>	<i>L.-c.</i> × <i>Antigone.</i>
<i>L. tenebrosa.</i>	<i>L.-c.</i> × <i>Massange-</i> <i>ana.</i>
<i>L. xanthina.</i>	<i>L.-c.</i> × <i>Gemma.</i>
<i>Læliocattleya</i> × <i>Schilleriana.</i>	<i>L.-c.</i> × <i>Morrisii.</i>

**43. C. Schrœderæ.**

<i>Brassavola Digby-</i> <i>ana.</i>	<i>Brassocattleya</i> × <i>langleyensis.</i>
<i>B. glauca.</i>	<i>B.-c.</i> × <i>Sanderi.</i>
<i>C. Aclandiæ.</i>	<i>C.</i> × <i>Saint-Benoit.</i>
<i>C. Dowiana.</i>	<i>C.</i> × <i>Zephyra.</i>
<i>C. intermedia.</i>	<i>C.</i> × <i>Thayeriana.</i>
<i>C. Lawrenceana.</i>	<i>C.</i> × <i>Jussieu.</i>
<i>C. Leopoldi.</i>	<i>C.</i> × <i>Gautherin-</i> <i>iana.</i>
<i>C. Trianæ.</i>	<i>C.</i> × <i>Cappei.</i>
<i>C. Warneri.</i>	<i>C.</i> × <i>Katherinæ.</i>
<i>C. Warscewiczii.</i>	<i>C.</i> × <i>Leoni.</i>
<i>Lælia cinnabarina.</i>	<i>Læliocattleya</i> × <i>Ballii.</i>
<i>L. flava.</i>	<i>L.-c.</i> × <i>Mercia.</i>
<i>L. grandis.</i>	<i>L.-c.</i> × <i>Bertha.</i>
<i>L. purpurata.</i>	<i>L.-c.</i> × <i>Fascinator.</i>
<i>L. tenebrosa.</i>	<i>L.-c.</i> × <i>Lycidas.</i>
<i>Læliocattleya</i> × <i>Hippolyta.</i>	<i>L.-c.</i> × <i>Dora.</i>

**44. C. Skinneri.**

<i>C. intermedia.</i>	<i>C.</i> × <i>belairensis.</i>
<i>C. Loddigesii.</i>	<i>C.</i> × <i>Astræa.</i>
<i>C. maxima.</i>	<i>C.</i> × <i>Eclipse.</i>
<i>Lælia cinnabarina.</i>	<i>Læliocattleya</i> × <i>Dido.</i>
<i>L. flava.</i>	<i>L.-c.</i> × <i>Marriotti-</i> <i>ana.</i>
<i>L. purpurata.</i>	<i>L.-c.</i> × <i>Speran-</i> <i>skyæ.</i>

**45. C. superba.**

<i>C. Aclandiæ.</i>	<i>C.</i> × <i>Selfridgei.</i>
<i>C. Bowringiana.</i>	<i>C.</i> × <i>Charles-</i> <i>worthii.</i>
<i>C. Forbesii.</i>	<i>C.</i> × <i>superforbesii.</i>
<i>C. Gaskelliana.</i>	<i>C.</i> × <i>mollis.</i>
<i>C. granulosa.</i>	<i>C.</i> × <i>Nephtys.</i>
<i>C. intermedia.</i>	<i>C.</i> × <i>porphyro-</i> <i>phlebia.</i>
<i>C.</i> × <i>intricata.</i>	<i>C.</i> × <i>Burberryana.</i>
<i>C. Leopoldi.</i>	<i>C.</i> × <i>Feuillatii.</i>
<i>C. Loddigesii.</i>	<i>C.</i> × <i>Breauteana.</i>
<i>C. Mossiæ.</i>	<i>C.</i> × <i>Gertrude.</i>
<i>C. Warscewiczii.</i>	<i>C.</i> × <i>Macænas.</i>

**Cattleya superba**—(continued).

<i>Lælia cinnabarina.</i>	<i>Læliocattleya</i> × <i>Sunray.</i>
<i>L. pumila.</i>	<i>L.-c.</i> × <i>Wavrinii.</i>
<i>L. tenebrosa.</i>	<i>L.-c.</i> × <i>Pharos.</i>
<i>Læliocattleya</i> × <i>devoniensis.</i>	<i>L.-c.</i> × <i>Sedenii.</i>
<i>L.-c.</i> × <i>Doris.</i>	<i>L.-c.</i> × <i>Vesta.</i>
<i>L.-c.</i> × <i>elegans.</i>	<i>L.-c.</i> × <i>Robsoni.</i>
<i>L.-c.</i> × <i>exoniensis.</i>	<i>L.-c.</i> × <i>trio-</i> <i>phthalma.</i>

**46. C. Trianæ.**

<i>Brassavola Digby-</i> <i>ana.</i>	<i>Brassocattleya</i> × <i>Sedenii.</i>
<i>B. glauca.</i>	<i>B.-c.</i> × <i>Orpheus.</i>
<i>C. Aclandiæ.</i>	<i>C.</i> × <i>Lottie.</i>
<i>C. amethystoglossa.</i>	<i>C.</i> × <i>Miranda.</i>
<i>C. bicolor.</i>	<i>C.</i> × <i>Pandora.</i>
<i>C. Bowringiana.</i>	<i>C.</i> × <i>Barbara.</i>
<i>C. dolosa.</i>	<i>C.</i> × <i>Mariannæ.</i>
<i>C. Dowiana.</i>	<i>C.</i> × <i>Raphaclæ.</i>
<i>C. intermedia.</i>	<i>C.</i> × <i>Olivia.</i>
<i>C. Lawrenceana.</i>	<i>C.</i> × <i>Cecilia.</i>
<i>C. Leopoldi.</i>	<i>C.</i> × <i>Zeo.</i>
<i>C. Loddigesii.</i>	<i>C.</i> × <i>Albertiana.</i>
<i>C. Luëddemanni-</i> <i>ana.</i>	<i>C.</i> × <i>Princess.</i>
<i>C. luteola.</i>	<i>C.</i> × <i>flavescens.</i>
<i>C. Percivaliana.</i>	<i>C.</i> × <i>Adela.</i>
<i>C. Schilleriana.</i>	<i>C.</i> × <i>Elvina.</i>
<i>C. Schrœderæ.</i>	<i>C.</i> × <i>Cappei.</i>
<i>C. Warscewiczii.</i>	<i>C.</i> × <i>Ballantiniiana.</i>
<i>Lælia anceps.</i>	<i>Læliocattleya</i> × <i>Boylei.</i>
<i>L. cinnabarina.</i>	<i>L.-c.</i> × <i>warnham-</i> <i>ensis.</i>
<i>L. crispa.</i>	<i>L.-c.</i> × <i>massili-</i> <i>ensis.</i>
<i>L. flava.</i>	<i>L.-c.</i> × <i>Myra.</i>
<i>L. grandiflora.</i>	<i>L.-c.</i> × <i>Eumæa.</i>
<i>L. harpophylla.</i>	<i>L.-c.</i> × <i>Doris.</i>
<i>L. Jongheana.</i>	<i>L.-c.</i> × <i>Schrœderæ.</i>
<i>L. pumila.</i>	<i>L.-c.</i> × <i>Tydea.</i>
<i>L. purpurata.</i>	<i>L.-c.</i> × <i>Wellsiana.</i>
<i>L. tenebrosa.</i>	<i>L.-c.</i> × <i>Mabel.</i>
<i>L. xanthina.</i>	<i>L.-c.</i> × <i>Ascania.</i>
<i>Læliocattleya</i> × <i>bella.</i>	<i>L.-c.</i> × <i>Alexandræ.</i>
<i>L.-c.</i> × <i>Dominiana.</i>	<i>L.-c.</i> × <i>Rosalind.</i>
<i>L.-c.</i> × <i>Sallieri.</i>	<i>L.-c.</i> × <i>Clemen-</i> <i>tinæ.</i>
<i>L.-c.</i> × <i>Schilleriana.</i>	<i>L.-c.</i> × <i>Cybele.</i>
<i>Sophonitis grandi-</i> <i>flora.</i>	<i>Sophrocattleya</i> × <i>Saxa.</i>

**47. C. velutina.**

<i>C. bicolor.</i>	<i>C.</i> × <i>Frasquita.</i>
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**Cattleya velutina**—(continued).

C. Bowringiana.	C. × Clytie.
C. Dowiana.	C. × Maroni.
C. Forbesii.	C. × Juno.
C. granulosa.	C. × Greyæ.
C. Lueddemanni- ana.	C. × Measuresiæ.
C. Rex.	C. × Lloydæ.
C. Warneri.	C. × Paynteri.
Lælia Dayana.	Læliocattleya × Proserpine.
L. purpurata.	L.-c. × Alberti.
Læliocattleya × elegans.	L.-c. × Lutetia.

**48. C. Walkeriana.**

C. granulosa.	C. × Leucothoe.
C. Mossiæ.	C. × Eros.

**49. C. Warneri.**

Brassavola Digby- ana.	Brassocattleya × Maria.
C. Bowringiana.	C. × Chapmanii.
C. Dowiana.	C. × Comet.
C. Mossiæ.	C. × intertexta.
C. × Parthenia.	C. × Wellsiæ.
C. Schilleriana.	C. × Whitei.
C. Schröderæ.	C. × Katherinæ.
C. velutina.	C. × Paynteri.
Lælia cinnabarina.	Læliocattleya × Topaz.
L. crispa.	L.-c. × Cowperi.
L. grandis.	L.-c. × albanensis.
L. pumila.	L.-c. × hybrida.
L. purpurata.	L.-c. × eximia.
L. tenebrosa.	L.-c. × Gottoiana.
Læliocattleya × callistoglossa.	L.-c. × wiseton- ensis.
L.-c. × elegans.	L.-c. × Deweyi.

**50. C. Warscewiczii.**

Brassavola Digby- ana.	Brassocattleya × Maronæ.
C. Aclandæ.	C. × Fernandii.
C. bicolor.	C. × Ella.
C. Bowringiana.	C. × Wendlandi- ana.
C. Dowiana.	C. × Hardyana.
C. Eldorado.	C. × Marriottiæ.
C. Gaskelliana.	C. × Harold.
C. granulosa.	C. × Wavriniana.
C. Lawrenceana.	C. × Jupiter.
C. Leopoldi.	C. × Atalanta.
C. Loddigesii.	C. × Minucia.
C. Mendelii.	C. × armain- villierensis.
C. Mossiæ.	C. × Adonis.

**Cattleya Warscewiczii**—(continued).

C. × Patrocini.	C. × mirabilis.
C. Rex.	C. × Clymene.
C. Schilleriana.	C. × Edwardi.
C. Schröderæ.	C. × Leoni.
C. superba.	C. × Macænas.
C. Trianæ.	C. × Ballantini- ana.
Lælia cinnabarina.	Læliocattleya × Cappei.
L. crispa.	L.-c. × Nysa.
L. Dayana.	L.-c. × Euphro- syne.
L. Perrinii.	L.-c. × Roths- childiæ.
L. pumila.	L.-c. × epicasta.
L. purpurata.	L.-c. × callisto- glossa.
L. tenebrosa.	L.-c. × bletchley- ensis.
L. xanthina.	L.-c. × Phryne.
Læliocattleya × amanda.	L.-c. × Brymeri- ana.
L.-c. × Canhami- ana.	L.-c. × Britannia.
L.-c. × Dominiana.	L.-c. × Anti- machus.
L.-c. × elegans.	L.-c. × Clonia.
L.-c. × Leeana.	L.-c. × Stepmanii.
L.-c. × Sallieri.	L.-c. × Scylla.
L.-c. × Schilleri- ana.	L.-c. × Marguerite.

**11. CHYSIS.****1. C. bractescens.**

C. × Chelsoni.	C. × langleyensis.
C. Limminghei.	C. × Sedenii.

**2. C. Chelsoni.**

C. bractescens.	C. × langleyensis.
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**3. C. lævis.**

C. Limminghei.	C. × Chelsoni.
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**4. C. Limminghei.**

C. bractescens.	C. × Sedenii.
C. lævis.	C. × Chelsoni.

**12. COLAX.****C. jugosus.**

Zygopetalum crinitum.	Zygocolax × Veitchii.
Z. intermedium.	Z.-c. × Wigani- anus.
Z. Mackayi.	Z.-c. × Amesianus.
Z. maxillare.	Z.-c. × leopard- inus.



**13. CYMBIDIUM.****1. C. eburneum.**

- C. Lowianum. C. × Veitchii.  
 C. Tracyanum. C. × Wiganianum.

**2. C. giganteum.**

- C. Mastersii. C. × Winnianum.  
 C. Tracyanum. C. × Bennett-Poei.  
 Phaius Wallichii. Phaiocymbidium ×  
 chardwarensense.

**3. C. grandiflorum.**

- C. Lowianum. C. × Sedenii.  
 C. Mastersii. C. × Maroni.

**4. C. Lowianum.**

- C. eburneum. C. × Veitchii.  
 C. grandiflorum. C. × Sedenii.  
 C. Mastersii. C. × Charles-  
 worthii.  
 C. tigrinum. C. × Lowgrinum.

**5. C. Mastersii.**

- C. giganteum. C. × Winnianum.  
 C. grandiflorum. C. × Maroni.  
 C. Lowianum. C. × Charles-  
 worthii.

**6. C. tigrinum.**

- C. Lowianum. C. × Lowgrinum.

**7. C. Tracyanum.**

- C. eburneum. C. × Wiganianum.  
 C. giganteum. C. × Bennett-Poei.

**14. CYNORCHIS.****1. C. Lowiana.**

- C. purpurata. C. × kewensis.

**2. C. purpurata.**

- C. Lowiana. C. × kewensis.

**15. DENDROBIUM.****1. D. × Ainsworthii.**

- Dendrobium D. × Gem.  
 aureum.  
 D. × Cassiope. D. × Andromeda.  
 D. Findlayanum. D. × melanodiscus.  
 D. moniliforme. D. × Doris.  
 D. nobile. D. × Rubens.  
 D. primulinum. D. × Achilles.  
 D. signatum. D. × Melpomene.  
 D. Wardianum. D. × Lutwy-  
 cheanum.  
 D. × Wiganiaë. D. × Thwaitesiaë.

**2. D. albosanguineum.**

- D. nobile. D. × Murrayi.

**Dendrobium—(continued).****3. D. aureum.**

- D. × Ainsworthii. D. × Gem.  
 D. × Cassiope. D. × Curtisii.  
 D. × euosmum. D. × Cordelia.  
 D. Falconeri. D. × Benita.  
 D. Findlayanum. D. × Schneideri-  
 anum.  
 D. Hildebrandii. D. × Elwesii.  
 D. Linawianum. D. × dulce.  
 D. luteolum. D. × cheltenham-  
 ense.

- D. moniliforme. D. × endocharis.  
 D. nobile. D. × Ainsworthii.  
 D. × Rubens. D. × Ariel.  
 D. signatum. D. × Ophir.  
 D. superbum. D. × Gemma.  
 D. Wardianum. D. × Aspasia.

**4. D. Bensonæ.**

- D. × Cassiope. D. × Staffordi.  
 D. Maccarthiaë. D. × Kenneth.  
 D. moniliforme. D. × Virginia.  
 D. nobile. D. × Florence.

**5. D. bigibbum.**

- D. Linawianum. D. × Sibyl.

**6. D. Brymerianum.**

- D. nobile. D. × Hunteri.

**7. D × Cassiope.**

- D. × Ainsworthii. D. × Andromeda.  
 D. aureum. D. × Curtisii.  
 D. Bensonæ. D. × Staffordi.  
 D. × Dominyanum. D. × Domicassio.  
 D. Findlayanum. D. × Minos.  
 D. Wardianum. D. × Berkeleyi.

**8. D. × cheltenhamense.**

- D. nobile. D. × Thompsoni-  
 anum.

**9. D. × chlorostele.**

- D. nobile. D. × Wilsoni.  
 D. Wardianum. D. × Vulcan.

**10. D. chrysotoxum.**

- D. pulchellum. D. × illustre.

**11. D. crassinode.**

- D. Findlayanum. D. × Cypheri.  
 D. luteolum. D. × Astræa.  
 D. Wardianum. D. × Waltoni.

**12. D. crepidatum.**

- D. nobile. D. × Sedenii.

**Dendrobium**—(continued).13. **D. crystallinum.**D. moniliforme. D. × *Æneas*.14. **D. × Cybele.**D. moniliforme. D. × *Scylla*.15. **D. × Dominyanum.**D. × *Cassiope*. D. × *Domicassio*.D. *Findlayanum*. D. × *Burberry-*  
*anum*.D. × *Schneideri-*  
*anum*. D. × *Holmesi-*  
*anum*.16. **D. × endocharis.**D. nobile. D. × *euosmum*.17. **D. × euosmum.**D. aureum. D. × *Cordelia*.D. *signatum*. D. × *Imogen*.18. **D. Falconeri.**D. aureum. D. × *Benita*.D. moniliforme. D. × *Vanneri-*  
*anum*.D. nobile. D. × *Venus*.19. **D. fimbriatum.**D. nobile. D. × *Mantinii*.20. **D. Findlayanum.**D. × *Ainsworthii*. D. × *melano-*  
*discus*.D. aureum. D. × *Schneideri-*  
*anum*.D. × *Cassiope*. D. × *Minos*.D. *crassinode*. D. × *Cypheri*.D. × *Dominyanum*. D. × *Burberry-*  
*anum*.D. *Linawianum*. D. × *Harold*.D. nobile. D. × *Cybele*.D. *signatum*. D. × *clarensis*.D. *Wardianum*. D. × *harefieldi-*  
*ense*.21. **D. formosum.**D. *Lowii*. D. × *Lawrencei*.22. **D. hercoglossum.**D. moniliforme. D. × *Isis*.23. **D. Hildebrandii.**D. aureum. D. × *Elwesii*.D. nobile. D. × *Ellisii*.D. *Wardianum*. D. × *Haywoodiæ*.24. **D. Huttoni.**D. *pulchellum*. D. × *porphyrogas-*  
*trum*.D. *sanguinolentum*. D. × *rhodostoma*.**Dendrobium**—(continued).25. **D. Kingianum.**D. *speciosum*. D. × *Spyersii*.26. **D. Linawianum.**D. aureum. D. × *dulce*.D. *bigibbum*. D. × *Sibyl*.D. *Findlayanum*. D. × *Harold*.D. nobile. D. × *Dominy-*  
*anum*.D. *Wardianum*. D. × *chloroste-*  
*le*.27. **D. lituiflorum.**D. nobile. D. × *Corningi-*  
*anum*.D. *Wardianum*. D. × *micans*.28. **D. Lowii.**D. *formosum*. D. × *Lawrencei*.29. **D. luteolum.**D. aureum. D. × *cheltenham-*  
*ense*.D. *crassinode*. D. × *Astræa*.D. *Wardianum*. D. × *Bryan*.30. **D. Maccarthiæ.**D. *Bensonæ*. D. × *Kenneth*.31. **D. × melanodiscus.**D. nobile. D. × *Magda*.32. **D. moniliforme.**D. × *Ainsworthii*. D. × *Doris*.D. aureum. D. × *endocharis*.D. *Bensonæ*. D. × *Virginia*.D. *crystallinum*. D. × *Æneas*.D. × *Cybele*. D. × *Scylla*.D. *Falconeri*. D. × *Vanneri-*  
*anum*.D. *hercoglossum*. D. × *Isis*.D. nobile. D. × *Cassiope*.D. × *Pitcherianum*. D. × *Galatea*.D. *pulchellum*. D. × *Stratius*.D. *Wardianum*. D. × *Veitchii*.33. **D. nobile.**D. × *Ainsworthii*. D. × *Rubens*.D. *albosanguineum*. D. × *Murrayi*.D. aureum. D. × *Ainsworthii*.D. *Bensonæ*. D. × *Florence*.D. *Brymerianum*. D. × *Hunteri*.D. × *cheltenham-*  
*ense*. D. × *Thompsoni-*  
*anum*.D. × *chloroste-*  
*le*. D. × *Wilsoni*.D. *crepidatum*. D. × *Sedenii*.D. × *endocharis*. D. × *euosmum*.D. *Falconeri*. D. × *Venus*.

**Dendrobium nobile**—(continued).

- D. fimbriatum. D. × Mantinii.  
 D. Findlayanum. D. × Cybele.  
 D. Hildebrandii. D. × Ellisii.  
 D. Linawianum. D. × Dominyanum.  
 D. lituiflorum. D. × Corningianum.  
 D. × melanodiscus. D. × Magda.  
 D. moniliforme. D. × Cassiope.  
 D. primulinum. D. × Pitcherianum.  
 D. pulchellum. D. × Whitei.  
 D. Ruckeri. D. × Roeblingianum.  
 D. × Schneiderianum. D. × Acis.  
 D. signatum. D. × Wiganiæ.  
 D. suavissimum. D. × Lotus.  
 D. thyrsoiflorum. D. × Backhousei.  
 D. tortile. D. × Niobe.  
 D. Wardianum. D. × murrhiniacum.

**34. D. Parishii.**

- D. superbum. D. × Nestor.

**35. D. Pierardi.**

- D. superbum. D. × Adrastus.

**36. D. × Pitcherianum.**

- D. moniliforme. D. × Galatea.

**37. D. primulinum.**

- D. × Ainsworthii. D. × Achilles.  
 D. nobile. D. × Pitcherianum.  
 D. superbum. D. × Mentor.

**38. D. pulchellum.**

- D. chrysotoxum. D. × illustre.  
 D. Huttoni. D. × porphyrogastrum.  
 D. moniliforme. D. × Stratius.  
 D. nobile. D. × Whitei.

**39. D. × Rubens.**

- D. aureum. D. × Ariel.

**40. D. Ruckeri.**

- D. nobile. D. × Roeblingianum.

**41. D. sanguinolentum.**

- D. Huttoni. D. × rhodostoma.

**42. D. × Schneiderianum.**

- D. × Dominyanum. D. × Holmesianum.  
 D. nobile. D. × Acis.

**Dendrobium**—(continued).**43. D. signatum.**

- D. × Ainsworthii. D. × Melpomene.  
 D. aureum. D. × Ophir.  
 D. × euosmum. D. × Imogen.  
 D. Findlayanum. D. × clarense.  
 D. nobile. D. × Wiganiæ.

**44. D. speciosum.**

- D. Kingianum. D. × Spyersii.

**45. D. suavissimum.**

- D. nobile. D. × Lotus.

**46. D. superbum.**

- D. aureum. D. × Gemma.  
 D. Parishii. D. × Nestor.  
 D. Pierardi. D. × Adrastus.  
 D. primulinum. D. × Mentor.

**47. D. thyrsoiflorum.**

- D. nobile. D. × Backhousei.

**48. D. tortile.**

- D. nobile. D. × Niobe.

**49. D. Wardianum.**

- D. × Ainsworthii. D. × Lutwycheanum.  
 D. aureum. D. × Aspasia.  
 D. × Cassiope. D. × Berkeleyi.  
 D. × chlorostele. D. × Vulcan.  
 D. crassinode. D. × Waltoni.  
 D. Findlayanum. D. × harefieldiense.  
 D. Hildebrandii. D. × Haywoodiæ.  
 D. Linawianum. D. × chlorostele.  
 D. lituiflorum. D. × micans.  
 D. luteolum. D. × Bryan.  
 D. moniliforme. D. × Veitchii.  
 D. nobile. D. × murrhiniacum.

**50. D. × Wiganiæ.**

- D. × Ainsworthii. D. × Thwaitesiæ.

**16. DISA.****1. D. grandiflora.**

- D. × kewensis. D. × Watsoni.  
 D. racemosa. D. × Veitchii.  
 D. tripetaloides. D. × kewensis.  
 D. × Veitchii. D. × Diores.

**2. D. × kewensis.**

- D. grandiflora. D. × Watsoni.  
 D. × Veitchii. D. × Elwesii.

**3. D. racemosa.**

- D. grandiflora. D. × Veitchii.

**Disa racemosa**—(continued).

D. tripetaloides. D. × langleyensis.  
D. × Veitchii. D. × Luna.

4. **D. tripetaloides.**

D. grandiflora. D. × kewensis.  
D. racemosa. D. × langleyensis.  
D. × Veitchii. D. × Premier.

5. **D. × Veitchii.**

D. grandiflora. D. × Dioces.  
D. × kewensis. D. × Elwesii.  
D. racemosa. D. × Luna.  
D. tripetaloides. D. × Premier.

**17. DOSSINIA.**1. **D. marmorata.**

Hæmaria discolor. Dossinimaria ×  
Dominyi.

**18. EPIDENDRUM.**1. **E. × Burtoni.**

E. radicans. E. × Boundii.

2. **E. ciliare.**

E. Wallisii. E. × Sedenii.  
Lælia anceps. Epilælia ×  
Hardyana.  
L. autumnalis. E.-l. × belairensis.  
L. Dayana. E.-l. × Eros.

3. **E. cinnabarinum.**

E. × O'Brieni- E. × Acis.  
anum.  
E. radicans. E. × Galatea.

4. **E. cochleatum.**

E. cucullatum. E. × Cuco.

5. **E. Cooperianum.**

E. × O'Brieni- E. × heatonense.  
anum.

Lælia cinnabarina. Epilælia × Sylvia.

6. **E. costaricense.**

Cattleya Gaskelli- Epicattleya ×  
ana. Liliانا.

7. **E. cucullatum.**

E. cochleatum. E. × Cuco.

8. **E. elegantulum.**

E. Wallisii. E. × Clarissa.

9. **E. elongatum.**

E. × O'Brieni- E. × Orpetii.  
anum.

**Epidendrum**—(continued).10. **E. Endresii.**

E. Wallisii. E. × Veitchii.

11. **E. evectum.**

E. radicans. E. × O'Brieni-  
anum.  
E. xanthinum. E. × kewense.

12. **E. Frederici-Guilielmi.**

E. radicans. E. × Charles-  
worthii.

13. **E. fucatum.**

Lælia cinnabarina. Epilælia × Whitei.

14. **E. ibaguense.**

E. × O'Brieni- E. × Burtoni.  
anum.

15. **E. × O'Brienianum.**

Cattleya amethyst- Epicattleya ×  
oglossa. Orpetii.  
C. Bowringiana. E.-c. × O'Brieniæ.  
C. × Clæsiana. E.-c. × Nebo.  
E. cinnabarinum. E. × Acis.  
E. Cooperianum. E. × heatonense.  
E. elongatum. E. × Orpetii.  
E. ibaguense. E. × Burtoni.  
E. pristis. E. × Delphi.  
E. radicans. E. × Thayeri.  
E. Stamfordianum. E. × Berkeleyi.  
E. vitellinum. E. × Phœbus.  
Lælia cinnabarina. Epilælia ×  
heatonensis.  
Sophronitis Epiphronitis ×  
violacea. Orpetii.

16. **E. Parkinsonianum.**

Lælia grandis. Epilælia ×  
Margaritæ.

17. **E. pristis.**

E. × O'Brieni- E. × Delphi.  
anum.

18. **E. pseudepidendrum.**

E. Wallisii. E. × langleyense.

19. **E. radiatum.**

Cattleya Bowringi- Epicattleya ×  
ana. Sedenii.

20. **E. radicans.**

Cattleya Bowringi- Epicattleya ×  
ana. matutina.  
E. × Burtoni. E. × Boundii.  
E. cinnabarinum. E. × Galatea.

**Epidendrum radicans**—(continued).

E. evectum.	E. × O'Brienianum.
E. Frederici-Gulielmi.	E. × Charlesworthii.
E. × O'Brienianum.	E. × Thayeri.
E. Stamfordianum.	E. × Olenus.
E. vitellinum.	E. × Cassiope.
E. xanthinum.	E. × dellense.
Lælia cinnabarina.	Epilælia × Charlesworthii.
L. purpurata.	E.-l. × Veitchii.
Sophronitis grandiflora.	Epiphronitis × Veitchii.

**21. E. Stamfordianum.**

E. × O'Brienianum.	E. × Berkeleyi.
E. radicans.	E. × Olenus.

**22. E. × Veitchii.**

E. × Wallisii.	E. × elegantulum.
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**23. E. vitellinum.**

E. × O'Brienianum.	E. × Phœbus.
E. radicans.	E. × Cassiope.
Lælia tenebrosa.	Epilælia × Lawrencei.

**24. E. Wallisii.**

E. ciliare.	E. × Sedenii.
E. × elegantulum.	E. × Clarissa.
E. Endresii.	E. × Veitchii.
E. pseudepidendrum.	E. × langleyense.
E. × Veitchii.	E. × elegantulum.

**25. E. xanthinum.**

E. evectum.	E. × kewense.
E. radicans.	E. × dellense.

**19. HÆMARIA.****1. Hæmaria discolor.**

Anæctochilus Roxburghii.	Anæctomaria × Dominyi.
Dossinia mar-morata.	Dossinimaria × Dominyi.
Macodes Petola.	Macomaria × Veitchii.

**20. LÆLIA.****1. Lælia albida.**

Cattleya Bowringiana.	Læliocattleya × Bowrialbida.
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**Lælia**—(continued).**2. L. anceps.**

Cattleya Bowringiana.	Læliocattleya × Wrigleyi.
C. Gaskelliana.	L.-c. × novissima.
C. labiata.	L.-c. × Liptoni.
C. Trianae.	L.-c. × Boylei.
Epidendrum ciliare.	Epilælia × Hardyana.
L. pumila.	L. × amœna.
L. purpurata.	L. × Edissa.
L. superbiens.	L. × Nemesis.

**3. L. autumnalis.**

Cattleya Bowringiana.	Læliocattleya × belairensis.
C. labiata.	L.-c. × cornuta.
Epidendrum ciliare.	Epilælia × belairensis.
L. cinnabarina.	L. × Stanislaus.
L. purpurata.	L. × Omen.

**4. L. Boothiana.**

Cattleya dolosa.	Læliocattleya × Praeti.
C. Gaskelliana.	L.-c. × Ethelwald.
C. Lawrenceana.	L.-c. × Hilda.
C. Mossiæ.	L.-c. × mollis.
L. purpurata.	L. × pulcherrima.
L. tenebrosa.	L. × Mozart.

**5. L. cinnabarina.**

Brassavola Digbyana.	Brassolælia × Gratrixæ.
B. glauca.	B.-l. × Clio.
Cattleya Aclandæ.	Læliocattleya × Adolphus.
C. amethystoglossa.	L.-c. × Marica.
C. Dowiana.	L.-c. × Charlesworthii.
C. granulosa.	L.-c. × Milleræ.
C. × Hardyana.	L.-c. × Edwardi.
C. Harrisoniana.	L.-c. × Gladys.
C. intermedia.	L.-c. × Amelia.
C. labiata.	L.-c. × Coronis.
C. Lawrenceana.	L.-c. × highburiensis.
C. Leopoldi.	L.-c. × Diogenes.
C. Mendelii.	L.-c. × Lucia.
C. Mossiæ.	L.-c. × Hippolyta.
C. Percivaliana.	L.-c. × Perci-barina.
C. quadricolor.	L.-c. × Leopoldi.
C. Schilleriana.	L.-c. × Helena.
C. Schröderzæ.	L.-c. × Ballii.
C. Skinneri.	L.-c. × Dido.
C. superba.	L.-c. × Sunray.

**Lælia cinnabarina**—(continued).

· C. Trianæ.	L.-c. × warnham- ensis.
· C. Warneri.	L.-c. × Topaz.
· C. Warszewiczii.	L.-c. × Cappei.
Epidendrum Cooperianum.	Epilælia × Sylvia.
E. fucatum.	E.-l. × Whitei.
E. × O'Brieni- anum.	E.-l. × heaton- ensis.
· E. radicans.	E.-l. × Charles- worthii.
L. autumnalis.	L. × Stanislaus.
L. flava.	L. × Icarus.
L. grandiflora.	L. × Dutremblayi.
L. grandis.	L. × Ragotiana.
L. harpophylla.	L. × Coronet.
L. × Pilcheri.	L. × flammea.
· L. purpurata.	L. × Latona.
· L. tenebrosa.	L. × cinnabrosa.
! Læliocattleya × bella.	Læliocattleya × Iberia.
L.-c. × callisto- glossa.	L.-c. × Lowii.
L.-c. × Pallas.	L.-c. × Picanus.
Leptotes bicolor.	Leptolælia × Veitchii.
Sophronitis grandi- flora	Sophrolælia × Psyche.

**6. L. crispa.**

Cattleya bicolor.	Læliocattleya × Terentia.
· C. Dowiana.	L.-c. × Pallas.
· C. Eldorado.	L.-c. × Pisandra.
· C. Gaskelliana.	L.-c. × Bryan.
C. granulosa.	L.-c. × Mylamiana.
C. labiata.	L.-c. × Veitchiana.
C. Leopoldi.	L.-c. × devoni- ensis.
C. Loddigesii.	L.-c. × Tresederi- ana.
C. maxima.	L.-c. × Amesiana.
C. Mossiæ.	L.-c. × exoniensis.
C. Rex.	L.-c. × Bievreana.
C. Schilleriana.	L.-c. × felix.
· C. Trianæ.	L.-c. × massili- ensis.
C. Warneri.	L.-c. × Cowperi.
· C. Warszewiczii.	L.-c. × Nysa.
L. Dayana.	L.-c. × Euterpe.
L. Perrinii.	L. × Pilcheri.
L. pumila.	L. × Gravesiæ.
L. purpurata.	L. × splendens.
L. tenebrosa.	L. × crispabrosa.
L. xanthina.	L. × Olivia.

**Lælia crispa**—(continued).

Læliocattleya × Dominiana.	Læliocattleya × Victoria.
L.-c. × Schilleriana.	L.-c. × Stella.
<b>7. L. Dayana.</b>	
Cattleya bicolor.	Læliocattleya × Hamiltoni.
C. Bowringiana.	L.-c. × Meteor.
C. dolosa.	L.-c. × Maynardi.
C. Dowiana.	L.-c. × Ingrami.
C. Gaskelliana.	L.-c. × Eunomia.
C. granulosa.	L.-c. × Galatea.
C. Harrisoniana.	L.-c. × Groganiæ.
C. labiata.	L.-c. × Wilsonæ.
C. Loddigesii.	L.-c. × Aurora.
C. Lueddemanni- ana.	L.-c. × Timora.
C. velutina.	L.-c. × Proserpine.
C. Warszewiczii.	L.-c. × Euphro- syne.
Epidendrum ciliare.	Epilælia × Eros.
L. crispa.	L. × Euterpe.
L. Perrinii.	L. × Exquisite.
L. purpurata.	L. × Diana.
L. tenebrosa.	L. × Iona.
L. xanthina.	L. × Oweniana.
Sophronitis grandi- flora.	Sophrolælia × læta.

**8. L. × Euterpe.**

Cattleya Dowiana.	L.-c. × Astræa.
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**9. L. flava.**

Cattleya inter- media.	Læliocattleya × Fournieri.
C. Percivaliana.	L.-c. × Ernesti.
C. Schröderæ.	L.-c. × Mercia.
C. Skinneri.	L.-c. × Marriotti- ana.
C. Trianæ.	L.-c. × Myra.
L. cinnabarina.	L.-c. × Icarus.
L. pumila.	L.-c. × Flavina.
Sophronitis grandi- flora.	Sophrolælia × Marriottiana.

**10. L. grandiflora.**

Cattleya Mossiæ.	Læliocattleya × Juno.
C. Trianæ.	L.-c. × Eumæa.
L. cinnabarina.	L. × Dutremblayi.

**11. L. grandis.**

Cattleya inter- media.	Læliocattleya × Ella.
C. Mossiæ.	L.-c. × Hebe.
C. Schröderæ.	L.-c. × Bertha.
C. Warneri.	L.-c. × albanensis.

**Lælia grandis**—(continued).

Epidendrum	Epilælia ×
Parkinsonianum.	Margaritæ.
L. cinnabarina.	L. × Ragotiana.
L. purpurata.	L. × Mantinii.

12. **L. × Gravesiæ.**

Cattleya Dowiana.	Læliocattleya ×
	Clytie.

13. **L. harpophylla.**

Brassavola glauca.	Brassolælia ×
	Bouteletii.
Cattleya amethyst- oglossa.	Læliocattleya ×
	Ghislainæ.
C. bicolor.	L.-c. × leucasta.
C. Eldorado.	L.-c. × Maroni.
C. Harrisoniana.	L.-c. × Luna.
C. Lawrenceana.	L.-c. × Ida.
C. Leopoldi.	L.-c. × Osyana.
C. Mossiæ.	L.-c. × Hodgkin- sonæ.
C. Trianæ.	L.-c. × Doris.
L. cinnabarina.	L. × Coronet.
L. purpurata.	L. × Briseis.
L. tenebrosa.	L. × stellata.
Læliocattleya ×	L.-c. × ochracea.
Sallieri.	
■ Sophronitis grandiflora.	Sophrolælia ×
	Valda.

14. **L. Jongheana.**

Cattleya Trianæ.	Læliocattleya ×
	Schröderæ.

15. **L. × Latona.**

Cattleya Mendelii.	L.-c. × Cora.
L. tenebrosa.	L. × Minerva.

16. **L. longipes.**

Læliocattleya ×	L.-c. × Ira.
Schilleriana.	

17. **L. Perrinii.**

Cattleya Dowiana.	L.-c. × Decia.
C. Gaskelliana.	L.-c. × Semiramis.
C. labiata.	L.-c. × Statteriana.
C. Lawrenceana.	L.-c. × Minerva.
C. Loddigesii.	L.-c. × amœna.
C. Luëddemanni- ana.	L.-c. × Hermione.
C. Mossiæ.	L.-c. × Beranekii.
C. Percivaliana.	L.-c. × Homere.
C. Warszewiczii.	L.-c. × Roths- childiæ.
L. crispa.	L. × Pilcheri.
L. Dayana.	L. × Exquisite.

**Lælia Perrinii**—(continued).

L. pumila.	L. × juvenilis.
L. purpurata.	L. × Ingramæ.
Læliocattleya ×	Læliocattleya ×
elegans.	Diarmid.

18. **L. × Pilcheri.**

L. cinnabarina.	L. × flammea.
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19. **L. pamila.**

Cattleya Aclandiæ.	L.-c. × Dalle- magnei.
C. bicolor.	L.-c. × Binoti.
C. Bowringiana.	L.-c. × Parysatis.
C. Dowiana.	L.-c. × Clive.
C. × Hardyana.	L.-c. × rubens.
C. Harrisoniana.	L.-c. × confusa.
C. labiata.	L.-c. × Cornelia.
C. Leopoldi.	L.-c. × olivetensis.
C. Loddigesii.	L.-c. × Leeana.
C. Luëddemanni- ana.	L.-c. × porphyrea.
C. × Marstersonæ.	L.-c. × Isis.
C. maxima.	L.-c. × Measuresii.
C. superba.	L.-c. × Wavrinii.
C. Trianæ.	L.-c. × Tydea.
C. Warneri.	L.-c. × hybrida.
† C. Warszewiczii.	L.-c. × epicasta.
L. anceps.	L. × amœna.
L. crispa.	L. × Gravesiæ.
L. flava.	L. × Flavina.
L. Perrinii.	L. × juvenilis.
L. tenebrosa.	L. × nigrescens.
Læliocattleya ×	Læliocattleya ×
elegans.	Novelty.
L.-c. × exoniensis.	L.-c. × Cassiope.
Sophronitis grandiflora.	Sophrolælia ×
	Orpetii.

20. **L. purpurata.**

Brassavola Digby- ana.	Brassolælia ×
	Veitchii.
Cattleya Aclandiæ.	Læliocattleya ×
	Emiliæ.
C. dolosa.	L.-c. × radiata.
C. Dowiana.	L.-c. × Dominiana.
C. Forbesii.	L.-c. × Reginæ.
C. Gaskelliana.	L.-c. × Roeblingii.
C. granulosa.	L.-c. × burbag- ensis.
C. Harrisoniana.	L.-c. × Whitiniæ.
C. intermedia.	L.-c. × Schilleri- ana.
C. labiata.	L.-c. × bella.
C. Lawrenceana.	L.-c. × Hyeana.
C. Loddigesii.	L.-c. × Sallieri.

<b>Lælia purpurata</b> —(continued).		<b>Lælia tenebrosa</b> —(continued).	
C. Luëddemanni-ana.	L.-c. × Duvaliana.	C. × Hardyana.	L.-c. × Haroldiana.
C. maxima.	L.-c. × Amazone.	C. Harrisoniana.	L.-c. × Crans-tounæ.
* C. Mendelii.	L.-c. × Aphrodite.	C. labiata.	L.-c. × Lucasiana.
* C. Mossiæ.	L.-c. × Canhamiana.	* C. Lawrenceana.	L.-c. × Baden-Powellii.
C. Percivaliana.	L.-c. × Electra.	C. Leopoldi.	L.-c. × Issy.
C. Schilleriana.	L.-c. × Antigone.	C. Mendelii.	L.-c. × Acis.
* C. Schröderæ.	L.-c. × Fascinator.	* C. Mossiæ.	L.-c. × Martinetii.
C. Skinneri.	L.-c. × Speranskyæ.	* C. Rex.	L.-c. × Doinii.
C. Trianæ.	L.-c. × Wellsiana.	C. Schilleriana.	L.-c. × Massangeana.
C. velutina.	L.-c. × Alberti.	* C. Schröderæ.	L.-c. × Lycidas.
* C. Warneri.	L.-c. × eximia.	C. superba.	L.-c. × Pharos.
* C. Warscewiczii.	L.-c. × callistoglossa.	C. Trianæ.	L.-c. × Mabel.
Epidendrum radicans.	Epilælia × Veitchii.	* C. Warneri.	L.-c. × Gottoiana.
L. anceps.	L. × Edissa.	* C. Warscewiczii.	L.-c. × bletchleyensis.
L. autumnalis.	L. × Omen.	Epidendrum vitellinum.	Epilælia × Lawrencei.
L. Boothiana.	L. × pulcherrima.	L. Boothiana.	L. × Mozart.
* L. cinnabarina.	L. × Latona.	L. cinnabarina.	L. × cinnabrosa.
L. crispa. ♀	L. × splendens.	L. crispa.	L. × crispabrosa.
L. Dayana.	L. × Diana.	L. Dayana.	L. × Iona.
* L. grandis.	L. × Mantinii.	L. harpophylla.	L. × stellata.
L. harpophylla.	L. × Briscis.	L. × Latona.	L. × Minerva.
L. Perrinii.	L. × Ingramæ.	L. pumila.	L. × nigrescens.
L. tenebrosa.	L. × Pacavia.	L. purpurata.	L. × Pacavia.
Læliocattleya callistoglossa.	Læliocattleya × Birkbeckiæ.	L.-c. × callistoglossa.	L.-c. × Iverniana.
L.-c. × Dominiana.	L.-c. × Wiganiana.	L.-c. × Canhamiana.	L.-c. × Kathleen.
L.-c. × elegans.	L.-c. × Pringiersii.	L.-c. × Hippolyta.	L.-c. × Vinesiæ.
L.-c. × Schilleriana.	L.-c. × Horniana.	L.-c. × Schilleriana.	L.-c. × Celestinæ.
Sophronitis grandiflora.	Sophrœlælia × heatouensis.	Sophronitis grandiflora.	Sophrœlælia × Gratrixiæ.
<b>21. L. superbiens.</b>		<b>23. L. xanthina.</b>	
Cattleya Aclandizæ.	Læliocattleya × Humberti.	Cattleya bicolor.	Læliocattleya × elsteadensis.
C. Mossiæ.	L.-c. × Choletiana.	C. Dormaniana.	L.-c. × Sanderæ.
L. anceps.	L. × Nemesis.	C. Dowiana.	L.-c. × Ophir.
<b>22. L. tenebrosa.</b>		C. Eldorado.	L.-c. × odorata.
* Brassavola Digbyana.	Brassœlælia × Helen.	C. Gaskelliana.	L.-c. × Astoræ.
Cattleya Aclandizæ.	Læliocattleya × Remula.	C. granulosa.	L.-c. × Robinii.
C. bicolor.	L.-c. × La-France.	C. Mendelii.	L.-c. × Zephyra.
C. Bowringiana.	L.-c. × Irene.	C. Mossiæ.	L.-c. × Norba.
C. × Brymeriana.	L.-c. × Milleri.	C. Rex.	L.-c. × Constance.
C. Dowiana.	L.-c. × Truffautiana.	C. Schilleriana.	L.-c. × Gemma.
C. Gaskelliana.	L.-c. × Eva.	C. Trianæ.	L.-c. × Ascania.
C. granulosa.	L.-c. × Magnei.	C. Warscewiczii.	L.-c. × Phryne.
		L. crispa.	L. × Olivia.
		L. Dayana.	L. × Oweniana.



**21. LÆLIOCATTLEYA.**

1. **L.-c.** × **albanensis.**  
*Cattleya* × *Hardyana.* L.-c. × *dellensis.*
2. **L.-c.** × **amanda.**  
*C. Warscewiczii.* L.-c. × *Brymeriana.*
3. **L.-c.** × **Amesiana.**  
*C. Mossiae.* L.-c. × *Nephelia.*
4. **L.-c.** × **Aphrodite.**  
*Brassavola Digbyana.* *Brassocattleya Wiganii.*
5. **L.-c.** × **bella.**  
*Cattleya Trianae.* L.-c. × *Alexandrae.*  
*Lælia cinnabarina.* L.-c. × *Iberia.*
6. **L.-c.** × **callistoglossa.**  
*Cattleya Dowiana.* L.-c. × *Colmani-ana.*  
*C. Warneri.* L.-c. × *wisetonensis.*  
*Lælia cinnabarina.* L.-c. × *Lewii.*  
*L. purpurata.* L.-c. × *Birkbeckiae.*  
*L. tenebrosa.* L.-c. × *Ivernia.*  
 L.-c. × *Canhamiana.* L.-c. × *Henri.*  
 L.-c. × *elegans.* L.-c. × *Senarti.*  
 L.-c. × *Gottoiana.* L.-c. × *Lily.*  
 L.-c. × *Schilleriana.* L.-c. × *Agnes.*
7. **L.-c.** × **Canhamiana.**  
*Cattleya Warscewiczii.* L.-c. × *Britannia.*  
*Lælia tenebrosa.* L.-c. × *Kathleen.*  
 L.-c. × *callistoglossa.* L.-c. × *Henri.*
8. **L.-c.** × **Clive.**  
*Cattleya Bowringiana.* L.-c. × *decora.*  
*C. labiata.* L.-c. × *Cooksonae.*
9. **L.-c.** × **devoniensis.**  
*Cattleya Lueddemanniana.* L.-c. × *Mardellii.*  
*C. superba.* L.-c. × *Sedenii.*
10. **L.-c.** × **Dominiana.**  
*Cattleya Bowringiana.* L.-c. × *Illione.*  
*C. Trianae.* L.-c. × *Rosalind.*  
*C. Warscewiczii.* L.-c. × *Antimachus.*  
*Lælia crispa.* L.-c. × *Victoria.*  
*L. purpurata.* L.-c. × *Wiganiana.*

**Læliocattleya—(continued).**

11. **L.-c.** × **Doris.**  
*Cattleya superba.* L.-c. × *Vesta.*
12. **L.-c.** × **elegans.**  
*Brassavola Digbyana.* *Brassocattleya Mackayi.*  
*Brassocattleya Lindleyana.* B.-c.-l. × *Lawrencei.*  
*Cattleya Aclandiae.* L.-c. × *Philbrickiana.*  
*C. bicolor.* L.-c. × *Gazelle.*  
*C. Bowringiana.* L.-c. × *Tiresias.*  
*C. Brymeriana.* L.-c. × *princeps.*  
*C. citrina.* L.-c. × *Seraph.*  
*C. Dowiana.* L.-c. × *Fournierae.*  
*C. Gaskelliana.* L.-c. × *Herga.*  
*C. Hardyana.* L.-c. × *Chantinii.*  
*C. intermedia.* L.-c. × *Cicero.*  
 C. *labiata.* L.-c. × *Schulzeana.*  
*C. Lawrenceana.* L.-c. × *Ruby.*  
*C. Leopoldi.* L.-c. × *La-Fresnaie.*  
*C. Loddigesii.* L.-c. × *Zenobia.*  
*C. maxima.* L.-c. × *Darwini-ana.*  
 C. *Mossiae.* L.-c. × *Krænztlinii.*  
 C. × *O'Brieniana.* L.-c. × *Herode.*  
*C. Percivaliana.* L.-c. × *Venus.*  
*C. superba.* L.-c. × *Robsoni.*  
*C. velutina.* L.-c. × *Lutetia.*  
*C. Warneri.* L.-c. × *Deweyi.*  
*C. Warscewiczii.* L.-c. × *Clonia.*  
*Lælia Perrinii.* L.-c. × *Diarmid.*  
*L. pumila.* L.-c. × *Novelty.*  
*L. purpurata.* L.-c. × *Pringiersi.*  
 L.-c. × *callistoglossa.* L.-c. × *Senarti.*  
*Sophronitis grandiflora.* *Sophracattleya Eros.*
13. **L.-c.** × **exoniensis.**  
*Cattleya labiata.* L.-c. × *Leona.*  
*C. Loddigesii.* L.-c. × *fausta.*  
*C. superba.* L.-c. × *trioth-althalma.*  
*Lælia pumila.* L.-c. × *Cassiope.*
14. **L.-c.** × **fausta.**  
*Cattleya Loddigesii.* L.-c. × *leucoglossa.*
15. **L.-c.** × **Gottoiana.**  
*C. labiata.* L.-c. × *Jeanette.*  
*C. Mossiae.* L.-c. × *Wiganiae.*  
 L.-c. × *callistoglossa.* L.-c. × *Lily.*

**Lælocattleya**—(continued).16. **L.-c.** × **Hippolyta.**

<i>Cattleya intermedia.</i>	L.-c. × <i>Santiago.</i>
<i>C. Mossiæ.</i>	L.-c. × <i>Ceres.</i>
<i>C. Schrœderæ.</i>	L.-c. × <i>Dora.</i>
<i>Lælia tenebrosa.</i>	L.-c. × <i>Vinesiæ.</i>

17. **L.-c.** × **Ingrami.**

<i>Cattleya Bowringiana.</i>	L.-c. × <i>Robsonæ.</i>
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18. **L.-c.** × **Leeana.**

<i>C. Bowringiana.</i>	L.-c. × <i>Hera.</i>
<i>C. Warscewiczii.</i>	L.-c. × <i>Stepmanii.</i>

19. **L.-c.** × **Pallas.**

<i>Lælia cinnabarina.</i>	L.-c. × <i>Picanus.</i>
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20. **L.-c.** × **Proserpine.**

<i>Cattleya Gaskelliana.</i>	L.-c. × <i>Tyro.</i>
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21. **L.-c.** × **Sallieri.**

<i>C. Trianæ.</i>	L.-c. × <i>Clementinæ.</i>
<i>C. Warscewiczii.</i>	L.-c. × <i>Scylla.</i>
<i>Lælia harpophylla.</i>	L.-c. × <i>ochracea.</i>

22. **L.-c.** × **Schilleriana.**

<i>Cattleya bicolor.</i>	L.-c. × <i>Andreana.</i>
<i>C. Dormaniana.</i>	L.-c. × <i>claptonensis.</i>
<i>C. Dowiana.</i>	L.-c. × <i>Lucilia.</i>
<i>C. granulosa.</i>	L.-c. × <i>Noel.</i>
<i>C. × Hardyana.</i>	L.-c. × <i>Greenwoodii.</i>
<i>C. intermedia.</i>	L.-c. × <i>Zampa.</i>
<i>C. labiata.</i>	L.-c. × <i>Scottiana.</i>
<i>C. Leopoldi.</i>	L.-c. × <i>aureliensis.</i>
<i>C. Loddigesii.</i>	L.-c. × <i>Behrensi-ana.</i>
<i>C. Lueddemanni-ana</i>	L.-c. × <i>Ada.</i>
<i>C. Mendelii.</i>	L.-c. × <i>Powellii.</i>
<i>C. Mossiæ.</i>	L.-c. × <i>Fortuna.</i>
<i>C. Schilleriana.</i>	L.-c. × <i>Morrisii.</i>
<i>C. Triaræ.</i>	L.-c. × <i>Cybele.</i>
<i>C. Warscewiczii</i>	L.-c. × <i>Marguerite.</i>
<i>Lælia crispa.</i>	L.-c. × <i>Stella.</i>
<i>L. longipes.</i>	L.-c. × <i>Ira.</i>
<i>L. purpurata.</i>	L.-c. × <i>Horniana.</i>
<i>L. tenebrosa.</i>	L.-c. × <i>Celestinæ.</i>
<i>L.-c. × callistoglossa.</i>	L.-c. × <i>Agnes.</i>
<i>Sophronitis grandiflora.</i>	<i>Soprocattlælia</i> × <i>Veitchii.</i>

**22. LEPTOTES.**1. **L. bicolor.**

<i>Lælia cinnabarina.</i>	<i>Leptolælia</i> × <i>Veitchii.</i>
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**23. LYCASTE.**1. **L. aromatica.**

<i>L. Deppei.</i>	L. × <i>Groganii.</i>
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2. **L. cruenta.**

<i>L. Skinneri.</i>	L. × <i>Imschooti-ana.</i>
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3. **L. Deppei.**

<i>L. aromatica.</i>	L. × <i>Groganii.</i>
<i>L. Skinneri.</i>	L. × <i>hybrida.</i>

5. **L. macrophylla.**

<i>L. Skinneri.</i>	L. × <i>Balliæ.</i>
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4. **L. Rossiana.**

<i>L. Skinneri.</i>	L. × <i>Janetæ.</i>
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6. **L. Schilleriana.**

<i>L. Skinneri.</i>	L. × <i>schœnbrunnensis.</i>
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7. **L. Skinneri.**

<i>L. cruenta.</i>	L. × <i>Imschooti-ana.</i>
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<i>L. Deppei.</i>	L. × <i>hybrida.</i>
<i>L. macrophylla.</i>	L. × <i>Balliæ.</i>
<i>L. Rossiana.</i>	L. × <i>Janetæ.</i>
<i>L. Schilleriana.</i>	L. × <i>schœnbrunnensis.</i>

**24. MACODES.**1. **M. Petola.**

<i>Hæmaria discolor.</i>	<i>Macomaria</i> × <i>Veitchii.</i>
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**25. MASDEVALLIA.**1. **M. abbreviata.**

<i>M. Veitchiana.</i>	M. × <i>Acis.</i>
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2. **M. amabilis.**

<i>M. ignea.</i>	M. × <i>Rebecca.</i>
<i>M. tovarensis.</i>	M. × <i>Measuresi-ana.</i>
<i>M. Veitchiana.</i>	M. × <i>Chelsoni.</i>

3. **M. Arminii.**

<i>M. Estradæ.</i>	M. × <i>Leda.</i>
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4. **M. × Asmodia.**

<i>M. Veitchiana.</i>	M. × <i>Alceste.</i>
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**Masdevallia**—(continued).5. **M. Barlæana.**

- M. infracta.*            *M.* × *glaphyrantha.*  
*M. Veitchiana.*       *M.* × *splendida.*

6. **M. caudata.**

- \* *M. coccinea.*            *M.* × *Shuttryana.*  
*M. Estradæ.*           *M.* × *Sedenii.*  
*M.* × *Gairiana.*        *M.* × *Hincksia.*  
*M. ignea.*              *M.* × *Henrietta.*  
*M. rosea.*              *M.* × *Courtauldiana.*  
*M. Veitchiana.*       *M.* × *Kimballiana.*  
*M. xanthina.*         *M.* × *Geleniana.*

7. **M. × Chelsoni.**

- M. peristeria.*         *M.* × *Ajax.*  
*M. Reichenbachiana.* *M.* × *Asmodia.*

8. **M. Chimæra.**

- M. tovarensis.*        *M.* × *Eric.*

9. **M. coccinea**

- \* *M. caudata.*            *M.* × *Shuttryana.*  
*M. Estradæ.*           *M.* × *Stella.*  
*M. Gairiana.*         *M.* × *Pluto.*  
*M. ignea.*              *M.* × *Fraseri.*  
*M. tovarensis.*        *M.* × *McVittia.*  
*M. triangularis.*     *M.* × *Cassiope.*  
*M. Veitchiana.*       *M.* × *falcata.*

10. **M. coriacea.**

- M. Veitchiana.*        *M.* × *Hebe.*

11. **M. cucullata.**

- M. Veitchiana.*        *M.* × *bockingensis.*

12. **M. Davisii.**

- M. tovarensis.*        *M.* × *Winnia.*  
*M. Veitchiana.*       *M.* × *Gairiana.*

13. **M. Estradæ.**

- M. Arminii.*            *M.* × *Leda.*  
*M. caudata.*           *M.* × *Sedenii.*  
*M. coccinea.*          *M.* × *Stella.*  
*M. ignea.*              *M.* × *Whitei.*  
*M. Veitchiana.*       *M.* × *langleyensis.*

14. **M. × Gairiana.**

- M. caudata.*            *M.* × *Hincksia.*  
*M. coccinea.*          *M.* × *Pluto.*

15. **M. ignea.**

- M. amabilis.*          *M.* × *Rebecca.*  
*M. caudata.*           *M.* × *Henrietta.*  
*M. coccinea.*          *M.* × *Fraseri.*  
*M. Estradæ.*          *M.* × *Whitei.*  
*M. racemosa.*         *M.* × *Rushtoni.*  
*M. tovarensis.*       *M.* × *Hincksiana.*  
*M. Veitchiana.*       *M.* × *Heathii.*

**Masdevallia**—(continued).16. **M. infracta.**

- M. Barlæana.*         *M.* × *glaphyrantha.*

17. **M. macrura.**

- M. tovarensis.*        *M.* × *Curlei.*

18. **M. peristeria.**

- M.* × *Chelsoni.*       *M.* × *Ajax.*

19. **M. racemosa.**

- M. ignea.*              *M.* × *Rushtoni.*  
*M. triangularis.*     *M.* × *Doris.*

20. **M. Reichenbachiana.**

- M.* × *Chelsoni.*       *M.* × *Asmodia.*

21. **M. rosea.**

- M. caudata.*           *M.* × *Courtauldiana.*

22. **M. Schlimii.**

- M. Veitchiana.*       *M.* × *Imogen.*

23. **M. Schröderiana.**

- M. Veitchiana.*       *M.* × *Circe.*

24. **M. tovarensis.**

- M. amabilis.*          *M.* × *Measuresiana.*  
*M. Chimæra.*         *M.* × *Eric.*  
*M. coccinea.*          *M.* × *McVittia.*  
*M. Davisii.*           *M.* × *Winnia.*  
*M. ignea.*              *M.* × *Hincksiana.*  
*M. macrura.*         *M.* × *Curlei.*  
*M. Veitchiana.*       *M.* × *Amesiana.*

25. **M. triangularis.**

- M. coccinea.*          *M.* × *Cassiope.*  
*M. racemosa.*         *M.* × *Doris.*

26. **M. Veitchiana.**

- M. abbreviata.*       *M.* × *Acis.*  
*M. amabilis.*         *M.* × *Chelsoni.*  
*M.* × *Asmodia.*       *M.* × *Alceste.*  
*M. Barlæana.*       *M.* × *splendida.*  
*M. caudata.*          *M.* × *Kimballiana.*  
*M. coccinea.*          *M.* × *falcata.*  
*M. coriacea.*         *M.* × *Hebe.*  
*M. cucullata.*        *M.* × *bockingensis.*  
*M. Davisii.*           *M.* × *Gairiana.*  
*M. Estradæ.*         *M.* × *langleyensis.*  
*M. ignea.*             *M.* × *Heathii.*  
*M. Schlimii.*         *M.* × *Imogen.*  
*M. Schröderiana.*   *M.* × *Circe.*  
*M. tovarensis.*       *M.* × *Amesiana.*  
*M. Wageneriana.*   *M.* × *Sanderi.*  
*M. xanthina.*         *M.* × *Lawrencei.*

27. **M. Wageneriana.**

- M. Veitchiana.*       *M.* × *Sanderi.*

**Masdevallia**—(continued).28. **M. xanthina.**

- M. caudata. M. × Geleniana.  
M. Veitchiana. M. × Lawrencei.

**26. MILTONIA.**1. **M. Roezlii.**

- M. vexillaria. M. × Bleuana.

2. **M. vexillaria.**

- M. Roezlii. M. × Bleuana.

**27. ODONTOGLOSSUM.**1. **O. × Andersonianum.**

- O. Harryanum. O. × Bradshawiæ. •

2. **O. cirrhosum.**

- O. Hallii. O. × elegans.  
O. sceptrum. O. × Juno.

3. **O. crispum.**

- O. × Denisonæ. O. × mirum.  
O. Hallii. O. × Cooksoni.  
• O. Harryanum. O. × spectabile.  
O. Kegeljani. O. × waltonense.  
O. luteopurpureum. O. × Denisonæ.  
• O. nobile. O. × armainvillier-  
ense.  
O. sceptrum. O. × mirificum.  
O. tripudians. O. × bellatulum.  
• O. triumphans. O. × harveng-  
tense.

4. **O. × Denisonæ.**

- O. crispum. O. × mirum.  
O. triumphans. O. × Vuylstekei.

5. **O. × elegans.**

- O. nobile. O. × beardwoodi-  
ense.

6. **O. Hallii.**

- O. cirrhosum. O. × elegans.  
O. crispum. O. × Cooksoni.  
O. Harryanum. O. × Crawshay-  
anum.

7. **O. Harryanum.**

- O. × Andersoni-  
anum. O. × Bradshawiæ.  
• O. crispum. O. × spectabile.  
O. Hallii. O. × Crawshay-  
anum.  
O. Lindleyanum. O. × Wattianum.  
O. luteopurpureum. O. × Hyeanium.  
• O. nobile. O. × Rolfeæ.  
• O. triumphans. O. × Charles-  
worthii.

**Odontoglossum**—(continued).8. **O. Kegeljani.**

- O. crispum. O. × waltonense.

9. **O. Lindleyanum.**

- O. Harryanum. O. × Wattianum.

10. **O. luteopurpureum.**

- O. crispum. O. × Denisonæ.  
O. Harryanum. O. × Hyeanium.

11. **O. nobile.**

- O. crispum. O. × armainvillier-  
ense.  
O. × elegans. O. × beardwoodi-  
ense.  
• O. Harryanum. O. × Rolfeæ.  
O. sceptrum. O. × amœnum.  
O. triumphans. O. × excellens.

12. **O. sceptrum.**

- O. cirrhosum. O. × Juno.  
O. crispum. O. × mirificum.  
O. nobile. O. × amœnum.

13. **O. tripudians.**

- O. crispum. O. × bellatulum.

14. **O. triumphans.**

- O. crispum. O. × harveng-  
tense.  
O. × Denisonæ. O. × Vuylstekei.  
O. Harryanum. O. × Charles-  
worthii.  
O. nobile. O. × excellens.

**28. PAPHIOPEDILUM.**1. **P. × alnum.**

- P. concolor. P. × Holliday-  
anum.  
P. niveum. P. × Rothwelliæ.  
P. × Swanianum. P. × Mantinii.

2. **P. Appletonianum.**

- P. barbatum. P. × westoniense.  
P. callosum. P. × siamense.  
P. × chloroneurum. P. × Xuthus.  
P. Spicerianum. P. × Quirinus.

3. **P. Argus.**

- P. × Arthurianum. P. × Argutus.  
P. barbatum. P. × turpe.  
P. bellatulum. P. × Madeline.  
P. Boxallii. P. × Murillo.  
P. callosum. P. × calloso-Argus.  
P. Charlesworthii. P. × Ian.  
P. concolor. P. × Evenor.  
P. Curtisii. P. × Hurrellianum.  
P. Dayanum. P. × Pandora.  
P. × Harrisianum. P. × Jean.

**Paphiopedilum Argus—(continued).**

- P. hirsutissimum. P. × punctatissimum.  
 P. insigne. P. × Swinburnei.  
 P. Lawrenceanum. P. × Io.  
 P. × marmorophyllum. P. × prestonense.  
 P. × Morganiae. P. × Argo-Morganiae.  
 P. × nitens. P. × leopardinum.  
 P. niveum. P. × Gravesiae.  
 P. × œnanthum. P. × Descombesiae.  
 P. philippinense. P. × burfordiense.  
 P. purpuratum. P. × Batalinii.  
 P. Rothschildianum. P. × Rehderæ.  
 P. Sanderianum. P. × Wilsonæ.  
 P. × selligerum. P. × aspasioides.  
 P. Spicerianum. P. × Crethus.  
 P. Stonei. P. × Rothwellianum.  
 P. tonsum. P. × Iphis.  
 P. villosum. P. × vernixium.

**4. P. × Arthurianum.**

- P. Argus. P. × Argutus.  
 P. × Harrisianum. P. × Osyanum.  
 P. × Leeanum. P. × Leeæ.  
 P. Spicerianum. P. × Minos.

**5. P. × Ashburtonæ.**

- P. barbatum. P. × Philene.  
 P. × calophyllum. P. × Imperatrix.  
 P. callosum. P. × Zenobia.  
 P. × Harrisianum. P. × Wiganianum.  
 P. insigne. P. × Annærtii.  
 P. × Leeanum. P. × Louisæ.  
 P. × Numa. P. × whitefieldiense.  
 P. purpuratum. P. × Atropos.  
 P. Spicerianum. P. × Donatii.  
 P. Stonei. P. × Clarkiæ.  
 P. × vernixium. P. × Lowryanum.

**6. P. × aureorum.**

- P. × Harrisianum. P. × grandiflorum.  
 P. insigne. P. × Ephialtes.

**7. P. barbatum.**

- P. Appletonianum. P. × westoniense.  
 P. Argus. P. × turpe.  
 P. × Ashburtonæ. P. × Philene.  
 P. bellatulum. P. × Richmanii.  
 P. Boxallii. P. × apiculatum.  
 P. callosum. P. × calloso-barbatum.  
 P. × Canhami. P. × Eros.  
 P. Charlesworthii. P. × Lumsdenii.  
 P. × chloroneurum. P. × festum.

**Paphiopedilum barbatum—(contd.).**

- P. ciliolare. P. × Descombesii.  
 P. concolor. P. × tessellatum.  
 P. × Crossianum. P. × Margaritæ.  
 P. Curtisii. P. × Kerchoveanum.  
 P. Dayanum. P. × Swanianum.  
 P. Druryi. P. × orphanum.  
 P. × Euryale. P. × Abessa.  
 P. Fairrieanum. P. × vexillarium.  
 P. Godefroyæ. P. × Sirius.  
 P. × Harrisianum. P. × Ensign.  
 P. Haynaldianum. P. × Orissa.  
 P. hirsutissimum. P. × porphyrochlamys.  
 P. Hookeræ. P. × marmorophyllum.  
 P. insigne. P. × Ashburtonæ.  
 P. Lawrenceanum. P. × alnum.  
 P. × Lathamianum. P. × Dakinii.  
 P. × Leeanum. P. × Cardosoanum.  
 P. Lowii. P. × calanthum.  
 P. Mastersianum. P. × Erydymion.  
 P. niveum. P. × Tautzianum.  
 P. × œnanthum. P. × plumosum.  
 P. philippinense. P. × selligerum.  
 P. præstans. P. × barbato-præstans.  
 P. purpuratum. P. × Pitcheri.  
 P. Rothschildianum. P. × tringense.  
 P. × selligerum. P. × Joiceyi.  
 P. Spicerianum. P. × Eyermanianum.  
 P. Stonei. P. × euryandrum.  
 P. superbians. P. × superciliare.  
 P. × superciliare. P. × Vigerianum.  
 P. × Swanianum. P. × gandavense.  
 P. tonsum. P. × Rossianum.  
 P. venustum. P. × calophyllum.  
 P. × vexillarium. P. × Singletonianum.  
 P. villosum. P. × Harrisianum.  
 P. virens. P. × pleistochlorum.

**8. P. bellatulum.**

- P. Argus. P. × Madeline.  
 P. barbatum. P. × Richmanii.  
 P. × Bleui. P. × Asmodia.  
 P. Boxallii. P. × Berkleyanum.  
 P. callosum. P. × Wottoni.  
 P. Chamberlainianum. P. × Rowena.  
 P. Charlesworthii. P. × Dora.  
 P. ciliolare. P. × Olenus.  
 P. concolor. P. × conco-bellatulum.

**Paphiopedilum bellatulum**—(contd.).

P. × Crossianum.	P. × Jacobianum.
P. Curtisii.	P. × Chapmanii.
P. Dayanum.	P. × Annie.
P. × enfieldense.	P. × Buckinghamii.
P. Godefroyæ.	P. × Gratrixii.
P. × Gowerianum.	P. × Mary-Beatrice.
P. × Harrisianum.	P. × southgatense.
P. Haynaldianum.	P. × Ariel.
P. hirsutissimum.	P. × Schofieldianum.
P. Hookeræ.	P. × Youngiæ.
P. insigne.	P. × Helena.
P. Lawrenceanum.	P. × Lawrebel.
P. × Mabeliæ.	P. × Ameliæ.
P. niveum.	P. × Psyche.
P. philippinense.	P. × Phœbe.
P. Rothschildianum.	P. × Rolfei.
P. Spicerianum.	P. × Enid.
P. superbians.	P. × Measuresiæ.
P. × superciliare.	P. × Arnoldiæ.
P. × Swanianum.	P. × Cycnides.
P. tonsum.	P. × Hunteri.
P. venustum.	P. × Venubel.
P. × vexillarium.	P. × Gratrixiæ.
P. villosum.	P. × allertonense.
P. × Youngianum.	P. × Beranekii.

9. **P. × Bleui.**

P. bellatulum.	P. × Asmodia.
P. × superciliare.	P. × Alfredianum.

10. **P. Boxallii.**

P. Argus.	P. × Murillo.
P. barbatum.	P. × apiculatum.
P. bellatulum.	P. × Berkleyanum.
P. callosum.	P. × Bartelsii.
P. × calophyllum.	P. × Pluto.
P. × Calypso.	P. × Menelik.
P. × Canhami.	P. × Lendyanum.
P. Chamberlainianum.	P. × Kamilii.
P. Charlesworthii.	P. × Elsie.
P. × chloroneurum.	P. × Burberryanum.
P. Curtisii.	P. × Saint-Hilda.
P. Dayanum.	P. × Scylla.
P. Druryi.	P. × Gordoni.
P. exul.	P. × Irene.
P. × gemmiferum.	P. × Heloisianum.
P. × Germinyanum.	P. × eximium.
P. × Harrisianum.	P. × Eismannianum.
P. Haynaldianum.	P. × Prætus.
P. hirsutissimum.	P. × Godseffianum.

**Paphiopedilum Boxallii**—(continued).

P. insigne.	P. × Schlesingerianum.
P. × Io.	P. × Behrensi- anum.
P. javanicum.	P. × vernixioides.
P. × Lathamianum.	P. × Bala.
P. Lawrenceanum.	P. × Thayerianum.
P. × Leeanum.	P. × Hera.
P. Lowii.	P. × Beatrice.
P. × Morganizæ.	P. × Frederico- nobile.
P. × nitens.	P. × Parkerianum.
P. niveum.	P. × Graceæ.
P. × œnanthum.	P. × rubescens.
P. × Orpheus.	P. × Juturna.
P. philippinense.	P. × Metis.
P. Rothschildianum.	P. × Edith.
P. Spicerianum.	P. × Calypso.
P. Stonei.	P. × Georgii.
P. superbians.	P. × Adela.
P. tonsum.	P. × Zeno.
P. venustum.	P. × pavoninum.
P. villosum.	P. × Reynaldi.

11. **P. × Bruno.**

P. × Leeanum.	P. × Leemannii.
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12. **P. Bullenianum.**

P. insigne.	P. × corbeillense.
P. purpuratum.	P. × Remus.
P. venustum.	P. × Fitchianum.

13. **P. callosum.**

P. Appletonianum.	P. × siamense.
P. Argus.	P. × calloso-Argus.
P. × Ashburtonæ.	P. × Zenobia.
P. barbatum.	P. × calloso-bar- batum.
P. bellatulum.	P. × Worttoni.
P. Boxallii.	P. × Bartelsii.
P. × calophyllum.	P. × Pallas.
P. Chamberlainianum.	P. × Alcippe.
P. Charlesworthii.	P. × Rosita.
P. ciliolare.	P. × Zeus.
P. concolor.	P. × conco-callo- sum.
P. Curtisii.	P. × Goulteni- anum.
P. Druryi.	P. × Smithianum.
P. exul.	P. × Conwayi.
P. Fairrieanum.	P. × Juno.
P. Godefroyæ.	P. × Finetii.
P. × Harrisianum.	P. × Ledouxæ.
P. hirsutissimum.	P. × Doncasteri- anum.
P. Hookeræ.	P. × Fortuna.

**Paphiopedilum callosum** (contd.).

P. insigne.	P. × Leonæ.
P. × Lathamianum.	P. × Calliope.
P. Lawrenceanum.	P. × Maudia.
P. × Leeaanum.	P. × Angelicæ.
P. Mastersianum.	P. × Pytho.
P. niveum.	P. × calloso-niveum.
P. × œnanthum.	P. × Bagshawæ.
P. philippinense.	P. × Millmanii.
P. Rothschildianum.	P. × Fowleri.
P. Sanderianum.	P. × May.
P. × Sementa.	P. × aurelianense.
P. Spicerianum.	P. × Moensicæ.
P. Stonei.	P. × Fordianum.
P. superbiens.	P. × Moussetianum.
P. × superciliare.	P. × Moreauanum.
P. × Tautzianum.	P. × Nandii.
P. tonsum.	P. × Felicity.
P. venustum.	P. × Orpheus.
P. villosum.	P. × Indra.

**14. P. × calophyllum.**

P. × Ashburtonæ.	P. × Imperatrix.
P. Boxallii.	P. × Pluto.
P. callosum.	P. × Pallas.
P. × Harrisianum.	P. × Fausianum.
P. insigne.	P. × Northumbrian.
P. × Leeaanum.	P. × Boltonianum.
P. × nitens.	P. × Patria.
P. × œnanthum.	P. × Pollettianum.
P. Spicerianum.	P. × Macfarlanei.
P. superbiens.	P. × polychromum.
P. × vexillarium.	P. × liegense.

**15. P. × Calypso.**

P. Boxallii.	P. × Menelik.
P. Chamberlainianum.	P. × Vanneri.
P. insigne.	P. × Melia.
P. × Lathamianum.	P. × Stevensii.
P. × Leeaanum.	P. × Evelyn.
P. × nitens.	P. × Sanderi.
P. × regale.	P. × Adamsii.
P. Rothschildianum.	P. × calypsoides.
P. tonsum.	P. × (Enomaus.

**16. P. × Canhami.**

P. barbatum.	P. × Eros.
P. Boxallii.	P. × Lendyanum.
P. × Colossus.	P. × Cobbicæ.
P. Curtisii.	P. × Savageæ.

**Paphiopedilum × Canhami** (contd.).

P. × Harrisianum.	P. × Vidor.
P. Haynaldianum.	P. × Ino.
P. × Leeaanum.	P. × Straeteni.

**17. P. Chamberlainianum.**

P. bellatulum.	P. × Rowena.
P. callosum.	P. × Alcippe.
P. concolor.	P. × Eira.
P. × Calypso.	P. × Vanneri.
P. exul.	P. × Bullii.
P. × Germiny-anum.	P. × Ajax.
P. × Harrisianum.	P. × Manto.
P. Haynaldianum.	P. × Myra.
P. hirsutissimum.	P. × Merope.
P. insigne.	P. × Fowleræ.
P. × Lathamianum.	P. × Wrightiæ.
P. Lawrenceanum.	P. × Hiero.
P. × Leeaanum.	P. × Chamber-Leeaanum.
P. × nitens.	P. × Polkii.
P. niveum.	P. × Suttonæ.
P. × œnanthum.	P. × Zurigo.
P. Parishii.	P. × Keelingii.
P. philippinense.	P. × Helvetia.
P. Rothschildianum.	P. × Transvaal.
P. Spicerianum.	P. × Deedmanianum.
P. superbiens.	P. × Thyades.
P. villosum.	P. × Madiotianum.

**18. P. × Chapmanii.**

P. × Cynides.	P. × Balfouricæ.
P. × Harrisianum.	P. × stamfordiense.

**19. P. Charlesworthii.**

P. Argus.	P. × Ian.
P. barbatum.	P. × Lumsdenii.
P. bellatulum.	P. × Dora.
P. Boxallii.	P. × Elsie.
P. callosum.	P. × Rosita.
P. ciliolare.	P. × Villeboisii.
P. concinnum.	P. × Favarger.
P. × Creon.	P. × Robertsii.
P. Curtisii.	P. × Rachel.
P. × Cymatodes.	P. × woodfordiense.
P. Dayaanum.	P. × Helen.
P. Druryi.	P. × Rogersoni.
P. × enfieldense.	P. × Rhodopsis.
P. × Euryale.	P. × wyndhurstense.
P. exul.	P. × Daphne.

**Paphiopedilum Charlesworthii—***(continued).*

- |                    |                    |
|--------------------|--------------------|
| P. × Gowerianum.   | P. × Vitazo.       |
| P. × Harrisianum.  | P. × bingleyense.  |
| P. hirsutissimum.  | P. × erubescens.   |
| ° P. insigne.      | P. × Hitchinsiae.  |
| P. × Io.           | P. × Urania.       |
| P. × Lathamianum.  | P. × Rappartii.    |
| P. Lawrenceanum.   | P. × decipiens.    |
| P. × Leeanum.      | P. × longwoodense. |
| P. × macropterum.  | P. × Cardosoæ.     |
| P. niveum.         | P. × Eos.          |
| P. × œnanthum.     | P. × Stottianum.   |
| P. × Savageanum.   | P. × Braeckmanii.  |
| P. Spicerianum.    | P. × Memnon.       |
| P. superbiens.     | P. × Evadne.       |
| P. × superciliare. | P. × Decia.        |
| P. tonsum.         | P. × Nellie.       |
| P. villosum.       | P. × Wrigleyi.     |

**20. P. × chloroneurum.**

- |                   |                   |
|-------------------|-------------------|
| P. Appletonianum. | P. × Xuthus.      |
| P. barbatum.      | P. × festum.      |
| P. exul.          | P. × Tia.         |
| P. insigne.       | P. × Ridolfianum. |
| P. × vexillarium. | P. × Zalmoxis.    |

**21. P. ciliolare.**

- |                    |                   |
|--------------------|-------------------|
| P. barbatum.       | P. × Descombesii. |
| P. bellatulum.     | P. × Olenus.      |
| P. callosum.       | P. × Zeus.        |
| P. Charlesworthii. | P. × Villeboisii. |
| P. Curtisii.       | P. × simile.      |
| P. Druryi.         | P. × Greyanum.    |
| P. × Harrisianum.  | P. × Appletoniæ.  |
| P. hirsutissimum.  | P. × Eurylochus.  |
| P. Hookeræ.        | P. × Rimberti-    |

anum.

- |                     |                  |
|---------------------|------------------|
| P. insigne.         | P. × Bleui.      |
| P. Lawrenceanum.    | P. × Lucie.      |
| P. × nitens.        | P. × Duvalii.    |
| ° P. niveum.        | P. × Aylingii.   |
| P. philippinense.   | P. × Finetianum. |
| P. Rothschildianum. | P. × Amesii.     |
| P. × selligerum.    | P. × Ashtoni.    |
| P. × Sementa.       | P. × Iris.       |
| P. Spicerianum.     | P. × Bookeri.    |
| P. Stonei.          | P. × Truffautiæ. |
| P. superbiens.      | P. × Lachmee.    |
| P. × superciliare.  | P. × exoptatum.  |
| P. villosum.        | P. × Pygmalion.  |

**22. P. × Cleopatra.**

- |                  |                   |
|------------------|-------------------|
| P. Lawrenceanum. | P. × resplendens. |
|------------------|-------------------|

**Paphiopedilum—(continued).****23. P. × Coffinetii.**

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|----------------|----------------|
| P. Fairrianum. | P. × Princess. |
|----------------|----------------|

**24. P. × Colossus.**

- |               |             |
|---------------|-------------|
| P. × Canhami. | P. × Cobbæ. |
|---------------|-------------|

**25. P. × concinnum.**

- |                    |                |
|--------------------|----------------|
| P. Charlesworthii. | P. × Favarger. |
|--------------------|----------------|

**26. P. concolor.**

- |                      |                        |
|----------------------|------------------------|
| P. × alnum.          | P. × Holliday-         |
|                      | anum.                  |
| P. Argus.            | P. × Evenor.           |
| P. barbatum.         | P. × tessellatum.      |
| P. bellatulum.       | P. × conco-bellatulum. |
| P. callosum.         | P. × conco-cal-        |
|                      | losum.                 |
| P. Chamberlainianum. | P. × Eira.             |
| P. Curtisii.         | P. × Minnie.           |
| P. Dayanum.          | P. × Burbidge-         |
|                      | anum.                  |
| P. × Harrisianum.    | P. × Watsonianum.      |
| ° P. insigne.        | P. × Orion.            |
| P. Lawrenceanum.     | P. × concolawre.       |
| P. × Leeanum.        | P. × Whitei.           |
| P. Spicerianum.      | P. × Arete.            |
| P. Stonei.           | P. × platycolor.       |
| P. superbiens.       | P. × Arnoldianum.      |
| P. × superciliare.   | P. × Marchandii.       |
| P. venustum.         | P. × Marshallianum.    |
| P. villosum.         | P. × conco-vil-        |
|                      | losum.                 |

**27. P × conspicuum.**

- |             |                   |
|-------------|-------------------|
| P. insigne. | P. × Ridolfianum. |
|-------------|-------------------|

**28. P. × Creon.**

- |                    |                 |
|--------------------|-----------------|
| P. Charlesworthii. | P. × Robertsii. |
|--------------------|-----------------|

**29. P. × Crossianum.**

- |                      |                  |
|----------------------|------------------|
| P. barbatum.         | P. × Margaritæ.  |
| P. bellatulum.       | P. × Jacobianum. |
| P. × Harrisianum.    | P. × Boyleanum.  |
| P. insigne.          | P. × Rafaeli.    |
| P. × Leeanum.        | P. × Clusia.     |
| P. × marmorophyllum. | P. × Lachesis.   |
| P. Spicerianum.      | P. × Malyanum.   |

**30. P. Curtisii.**

- |              |                    |
|--------------|--------------------|
| P. Argus.    | P. × Hurrellianum. |
| P. barbatum. | P. × Kerchove-     |
|              | anum.              |



**Paphiopedilum Curtisii**—(continued).

P. bellatulum.	P. × Chapmanii.
P. Boxallii.	P. × Saint-Hilda.
P. callosum.	P. × Goultenianum.
P. × Canhami.	P. × Savagæræ.
P. Charlesworthii.	P. × Rachel.
P. ciliolare.	P. × simile.
P. concolor.	P. × Minnie.
P. Dayanum.	P. × Curtia.
P. Druryi.	P. × Fairy-Queen.
P. × Harrisianum.	P. × Gaudianum.
P. hirsutissimum.	P. × Adonis.
P. Hookeræ.	P. × Quies.
P. insigne.	P. × miniatum.
P. Lawrenceanum.	P. × Gowerianum.
P. Lowii.	P. × Joliboisii.
P. × Morgania.	P. × Warburtoni.
P. × nitens.	P. × colombense.
P. niveum.	P. × Cowleyanum.
P. philippinense.	P. × Clinkaberry-anum.
P. præstans.	P. × Holtii.
P. purpuratum.	P. × Oakesianum.
P. Rothschildianum.	P. × Laressesii.
P. Sanderianum.	P. × Cooksonæ.
P. × selligerum.	P. × Vanneræ.
P. Spicerianum.	P. × Allanianum.
P. Stonei.	P. × Constance.
P. superbiens.	P. × Cymatodes.
P. villosum.	P. × Helios.

31. **P. × Cycnides.**

P. × Chapmanii.	P. × Balfouria.
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32. **P. × Cymatodes.**

P. Charlesworthii.	P. × woodfordiense.
P. Rothschildianum.	P. × Premier.

33. **P. Dayanum.**

P. Argus.	P. × Pandora.
P. barbatum.	P. × Swanianum.
P. bellatulum.	P. × Annie.
P. Boxallii.	P. × Scylla.
P. Charlesworthii.	P. × Helen.
P. concolor.	P. × Burbidge-anum.
P. Curtisii.	P. × Curtia.
P. Fairrieianum.	P. × Constable-anum.
P. Godefroyæ.	P. × Colesii.
P. × Harrisianum.	P. × Lewisii.
P. Lowii.	P. × Patersoni.
P. insigne.	P. × Gayotia.
P. niveum.	P. × Lily.
P. × œnanthum.	P. × Tennyson.

**Paphiopedilum Dayanum**—(contd.).

P. Spicerianum.	P. × pallens.
P. superbiens.	P. × Kittelii.
P. × superciliare.	P. × Coffinetii.
P. × Swanianum.	P. × Artemis.
P. × Tautzianum.	P. × Pittii.
P. venustum.	P. × caligare.
P. villosum.	P. × Iago.
P. virens.	P. × Petri.

34. **P. Druryi.**

P. barbatum.	P. × orphanum.
P. Boxallii.	P. × Gordoni.
P. callosum.	P. × Smithianum.
P. Charlesworthii.	P. × Rogersoni.
P. ciliolare.	P. × Greyanum.
P. Curtisii.	P. × Fairy-Queen.
P. × Godseffianum.	P. × Castalia.
P. × Harrisianum.	P. × Florence.
P. hirsutissimum.	P. × Dallemagnei.
P. Hookeræ.	P. × Druryo-Hookeræ.
P. insigne.	P. × Æson.
P. Lawrenceanum.	P. × Cybele.
P. × nitens.	P. × medium.
P. niveum.	P. × microchilum.
P. × Sementa.	P. × Josephianum.
P. Spicerianum.	P. × Buchanianum.
P. superbiens.	P. × Haywoodianum.
P. tonsum.	P. × Pierci.
P. villosum.	P. × Winnianum.

35. **P. × enfieldense.**

P. bellatulum.	P. × Buckinghami.
P. Charlesworthii.	P. × Rhodopsis.

36. **P. × Euryale.**

P. barbatum.	P. × Abessa.
P. Charlesworthii.	P. × wyndhurstense.

37. **P. exul.**

P. Boxallii.	P. × Irene.
P. callosum.	P. × Conwayi.
P. Chamberlainianum.	P. × Bullii.
P. Charlesworthii.	P. × Daphne.
P. × chloroneurum.	P. × Tia.
P. × Harrisianum.	P. × Harri-exul.
P. Lawrenceanum.	P. × Julia.
P. villosum.	P. × vill-exul.

38. **P. Fairrieianum.**

P. barbatum.	P. × vexillarium.
P. callosum.	P. × Juno.
P. × Coffinetii.	P. × Princess.
P. Dayanum.	P. × Constable-anum.

**Paphiopedilum Fairrieanum—**  
(continued).

P. insigne.	P. × Arthurianum.
P. Lawrenceanum.	P. × streathamense.
P. × Leeaanum.	P. × Reginæ.
P. × œnanthum.	P. × Schrœderi.
P. purpuratum.	P. × Ballantinei.
P. Spicerianum.	P. × Niobe.
P. superbiens.	P. × Edwardii.
P. × Swanianum.	P. × Aasenii.
P. tonsum.	P. × Amesiaë.

39. **P. × Fitchianum.**

P. insigne.	P. × Huttiaë.
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40. **P. × gemmiferum.**

P. Boxallii.	P. × Heloisianum.
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41. **P. × Germinyanum.**

P. Boxallii.	P. × eximium.
P. Chamberlainianum.	P. × Ajax.
P. insigne.	P. × Chouvetii.

42. **P. Godefroyæ.**

P. barbatum.	P. × Sirius.
P. bellatulum.	P. × Gratrixii.
P. callosum.	P. × Finetii.
P. Dayanum.	P. × Colesii.
P. × Harrisianum.	P. × Harrisifroyæ.
P. insigne.	P. × Etyi.
P. × nitens.	P. × Alexandræ.
P. niveum.	P. × Greyi.
P. venustum.	P. × Lloydiaë.
P. villosum.	P. × Una.

43. **P. × Godseffianum.**

P. Druryi.	P. × Castalia.
P. hirsutissimum.	P. × Clytie.
P. × Leeaanum.	P. × Hiawatha.
P. Sanderianum.	P. × Cassandra.

44. **P. × Gowerianum.**

• P. bellatulum.	P. × Mary-Beatrice.
P. Charlesworthii.	P. × Vitazo.
P. niveum.	P. × Sophie.
• P. Rothschildianum.	P. × Shillianum.
P. × Youngianum.	P. × Mapleæ.

45. **P. × Hanseni.**

P. Rothschildianum.	P. × Miranda.
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46. **P. × Harrisianum.**

P. Argus.	P. × Jean.
P. × Arthurianum.	P. × Osyanum.
P. × Ashburtonæ.	B. × Wigianum.

**Paphiopedilum × Harrisianum—**  
(continued).

P. × aureum.	P. × grandiflorum.
P. barbatum.	P. × Ensign
P. bellatulum.	P. × southgatense.
P. Boxallii.	P. × Eismannianum.
P. callosum.	P. × Ledouxiaë.
P. × calophyllum.	P. × Fausianum.
P. × Canhami.	P. × Vidor.
P. Chamberlainianum.	P. × Manto.

P. × Chapmanii.	P. × stamfordiense.
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P. Charlesworthii.	P. × bingleyense.
P. ciliolare.	P. × Appletoniaë.
P. concolor.	P. × Watsonianum.

P. × Crossianum.	P. × Boyleanum.
P. Curtisii.	P. × Gaudianum.
P. Dayanum.	P. × Lewisii.
P. Druryi.	P. × Florence.
P. exul.	P. × Harri-exul.
P. Godefroyæ.	P. × Harrisifroyæ.
P. Haynaldianum.	P. × Wincqzianum.

P. hirsutissimum.	P. × Belandorffii.
P. Hookeræ.	P. × lochristiense.

P. insigne.	P. × œnanthum.
P. javanicum.	P. × Colmanii.
P. × Lathamianum.	P. × Pryorianum.
P. × Lawrebel.	P. × Unxia.
P. Lawrenceanum.	P. × gigas.
P. × Leeaanum.	P. × Harri-Leeaanum.

P. Mastersianum.	P. × Belus.
P. × nitens.	P. × giganteum.
P. niveum.	P. × Marwoodii.
P. × œnanthum.	P. × Creon.
P. × orphanum.	P. × Gabrieli.
P. purpuratum.	P. × concinnum.
P. Rothschildianum.	P. × Excelsior.

P. Sanderianum.	P. × Harrisander.
P. × Schrœderi.	P. × Little-Gem.
P. × selligerum.	P. × Paulii.
P. Spicerianum.	P. × Savageanum.
P. superbiens.	P. × Tryonianum.
P. × Swanianum.	P. × Rossiaë.
P. tonsum.	P. × orangense.
P. venustum.	P. × chloroneurum.
P. × vernixium.	P. × bellinum.
P. villosum.	P. × conspicuum.

**Paphiopedilum**—(continued).47. **P. Haynaldianum.**

P. barbatum.	P. × Orissa.
P. bellatulum.	P. × Ariel.
P. Boxallii.	P. × Prætus.
P. × Canhami.	P. × Ino.
P. Chamberlainianum.	P. × Myra.
P. × Harrisianum.	P. × Winczianum.
P. Hookeræ.	P. × Æneas.
P. insigne.	P. × Pelias.
P. × Lathamianum.	P. × nobilior.
P. × Leeanum.	P. × Clotilde.
P. philippinense.	P. × Lebaudy-anum.
P. Spicerianum.	P. × Carnusianum.
P. × Swanianum.	P. × gracile.
P. villosum.	P. × Hanseni.

48. **P. × Haywoodianum.**

P. × ænanthum.	P. × Koh-i-noor.
P. × Swinburnei.	P. × Goodsoni.

49. **P. × Hera.**

P. × superciliare.	P. × Thomyris.
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50. **P. hirsutissimum.**

P. Argus.	P. × punctatissimum.
P. barbatum.	P. × porphyrochlamys.
P. bellatulum.	P. × Schofieldianum.
P. Boxallii.	P. × Godseffianum.
P. callosum.	P. × Doncasterianum.
P. Chamberlainianum.	P. × Merope.
P. Charlesworthii.	P. × erubescens.
P. ciliolare.	P. × Eurylochus.
P. Curtisii.	P. × Adonis.
P. Druryi.	P. × Dallemagnei.
P. × Godseffianum.	P. × Clytie.
P. × Harrisianum.	P. × Ollendorffii.
P. insigne.	P. × Alcides.
P. Lawrenceanum.	P. × Mulus.
P. × Leeanum.	P. × Zampa.
P. × Morganæ.	P. × Durbar.
P. × nitens.	P. × Erato.
P. × selligerum.	P. × Carderi.
P. Spicerianum.	P. × Medeia.
P. superbiens.	P. × Castleanum.
P. × Swanianum.	P. × Bondii.
P. venustum.	P. × Deception.
P. × vexillarium.	P. × Jensenianum.

**Paphiopedilum hirsutissimum**—(continued).

P. villosum.	P. × Germinyanum.
51. <b>P. Hookeræ.</b>	
P. barbatum.	P. × marmorophyllum.
P. bellatulum.	P. × Youngiæ.
P. callosum.	P. × Fortuna.
P. ciliolare.	P. × Rimbertainum.
P. Curtisii.	P. × Quies.
P. Druryi.	P. × Druryo-Hookeræ.
P. × Harrisianum.	P. × loochristiense.
P. Haynaldianum.	P. × Æneas.
P. insigne.	P. × Echo.
P. Lawrenceanum.	P. × enfieldense.
P. × marmorophyllum.	P. × fulgens.
P. Mastersianum.	P. × xanthophyllum.
P. × nitens.	P. × Edmundii.
P. × ænanthum.	P. × Cleopatra.
P. purpuratum.	P. × gemmiferum.
P. Rothschildianum.	P. × Jupiter.
P. × Sementa.	P. × amabile.
P. Spicerianum.	P. × Eurydice.
P. Stonei.	P. × Melanthus.
P. superbiens.	P. × Pageanum.
P. × superciliare.	P. × amethystinum.
P. venustum.	P. × Atys.
P. villosum.	P. × Schusterianum.

52. **P. insigne.**

P. Argus.	P. × Swinburnei.
P. × Ashburtonæ.	P. × Annærtii.
P. × aureum.	P. × Ephialtes.
P. barbatum.	P. × Ashburtonæ.
P. bellatulum.	P. × Helena.
P. Boxallii.	P. × Schlesingerianum.
P. Bullenianum.	P. × corbeilleense.
P. callosum.	P. × Leonæ.
P. × calophyllum.	P. × Northumbrian.
P. × Calypso.	P. × Melia.
P. Chamberlainianum.	P. × Fowleræ.
P. Charlesworthii.	P. × Hitchinsia.
P. × chloroneurum.	P. × Ridolfianum.
P. ciliolare.	P. × Bleu.

**Paphiopedilum insigne**—(continued).

- |                           |                           |
|---------------------------|---------------------------|
| P. concolor.              | P. × Orion.               |
| P. × Crossianum.          | P. × Rafaeli.             |
| P. Curtisii.              | P. × miniatum.            |
| P. Dayanum.               | P. × Gayotiae.            |
| P. Druryi.                | P. × Æson.                |
| P. Fairrieianum.          | P. × Arthuri-<br>anum.    |
| P. × Fitchianum.          | P. × Huttiae.             |
| P. × Germiny-<br>anum.    | P. × Chouvetii.           |
| P. Godefroyæ.             | P. × Etyyi.               |
| P. × Harrisianum.         | P. × œnanthum.            |
| P. Haynaldianum.          | P. × Pelias.              |
| P. hirsutissimum.         | P. × Alcides.             |
| P. Hookeræ.               | P. × Echo.                |
| P. × Io.                  | P. × Tryanowsky-<br>anum. |
| P. javanicum.             | P. × Mandæ.               |
| P. × Lathamianum.         | P. × Hobartii.            |
| P. Lawrenceanum.          | P. × Eucharis.            |
| P. × Leeaanum.            | P. × Simonii.             |
| P. Lowii.                 | P. × Rossii.              |
| P. × Lucie.               | P. × Redversii.           |
| P. × Lynchianum.          | P. × Ilione.              |
| P. × marmoro-<br>phyllum. | P. × Gem.                 |
| P. Mastersianum.          | P. × albanense.           |
| P. × Niobe.               | P. × Priam.               |
| P. × nitens.              | P. × Romulus.             |
| P. niveum.                | P. × Venus.               |
| P. × œnanthum.            | P. × Milo.                |
| P. × Petri.               | P. × Petri-insigne.       |
| P. × Pollettianum.        | P. × magnificum.          |
| P. purpuratum.            | P. × regale.              |
| P. × Schrœderi.           | P. × Thalia.              |
| P. × selligerum.          | P. × burbagense           |
| P. × Sementa.             | P. × Vibilia.             |
| P. × siamense.            | P. × Reginaldi-<br>anum.  |
| P. Spicerianum.           | P. × Leeaanum.            |
| P. superbiens.            | P. × Thorntonii.          |
| P. × Swanianum.           | P. × Comus.               |
| P. tonsum.                | P. × Krishna.             |
| P. venustum.              | P. × Crossianum.          |
| P. × vexillarium.         | P. × Daedalus.            |
| P. villosum.              | P. × nitens.              |
- 53. P. × Io.**
- |                    |                           |
|--------------------|---------------------------|
| P. Boxallii.       | P. × Behrensi-<br>anum.   |
| P. Charlesworthii. | P. × Urania.              |
| P. insigne.        | P. × Tryanowski-<br>anum. |
| P. Lawrenceanum.   | P. × Vanninii.            |
| P. purpuratum.     | P. × modestum.            |

**Paphiopedilum × Io**—(continued).

- |                          |                          |
|--------------------------|--------------------------|
| P. Rothschildi-<br>anum. | P. × Neptune.            |
| P. Spicerianum.          | P. × Lœwegreni-<br>anum. |
| P. × vexillarium.        | P. × vexill-Io.          |
| P. × Youngianum.         | P. × Brandtiæ.           |

**54. P. javanicum.**

- |                   |                    |
|-------------------|--------------------|
| P. Boxallii.      | P. × vernixioides. |
| P. × Harrisianum. | P. × Colmanii.     |
| P. insigne.       | P. × Mandæ.        |
| P. × Leeaanum.    | P. × Uriel.        |
| P. Spicerianum.   | P. × lutescens.    |

**55. P. × Lathamianum.**

- |                           |                   |
|---------------------------|-------------------|
| P. barbatum.              | P. × Dakinii.     |
| P. Boxallii.              | P. × Bala.        |
| P. callosum.              | P. × Calliope.    |
| P. × Calypso.             | P. × Stevensii.   |
| P. Chamberlaini-<br>anum. | P. × Wrightiæ.    |
| P. Charlesworthii.        | P. × Rappartii.   |
| P. exul.                  | P. × Persephone.  |
| P. × Harrisianum.         | P. × Pryorianum.  |
| P. Haynaldianum.          | P. × nobilior.    |
| P. insigne.               | P. × Hobartii.    |
| P. Lawrenceanum.          | P. × Pynaertii.   |
| P. × Leeaanum.            | P. × Grovesianum. |
| P. × nitens.              | P. × illustre.    |
| P. purpuratum.            | P. × rotundum.    |
| P. × Savageanum.          | P. × Bollerillæ.  |
| P. Spicerianum.           | P. × Salomonæ.    |
| P. Victoria-Mariæ.        | P. × Brunhild.    |
| P. villosum.              | P. × chrysotoxum. |

**56. P. × Lawrebel.**

- |                   |             |
|-------------------|-------------|
| P. × Harrisianum. | P. × Unxia. |
|-------------------|-------------|

**57. P. Lawrenceanum.**

- |                           |                          |
|---------------------------|--------------------------|
| P. Argus.                 | P. × Io.                 |
| P. barbatum.              | P. × alnum.              |
| P. bellatulum.            | P. × Lawrebel.           |
| P. Boxallii.              | P. × Thayerianum.        |
| P. callosum.              | P. × Maudiae.            |
| P. Chamberlaini-<br>anum. | P. × Hiero.              |
| P. Charlesworthii.        | P. × decipiens.          |
| P. ciliolare.             | P. × Lucie.              |
| P. × Cleopatra.           | P. × resplendens.        |
| P. concolor.              | P. × concolawre.         |
| P. Curtisii.              | P. × Gowerianum.         |
| P. Druryi.                | P. × Cybele.             |
| P. exul.                  | P. × Julia.              |
| P. Fairrieianum.          | P. × streatham-<br>ense. |
| P. × Harrisianum.         | P. × gigas.              |

**Paphiopedilum Lawrenceanum***(continued).*

P. hirsutissimum.	P. × mulus.
P. Hookeræ.	P. × enfieldense.
P. insigne.	P. × Eucharis.
P. × lo.	P. × Vanninii.
P. × Lathamianum.	P. × Pynaertii.
P. × Leeanum.	P. × Magnei.
P. Lowii.	P. × Macfarlane- anum.
P. × Marshalli- anum.	P. × Gravesii.
P. Mastersianum.	P. × Matthewsii.
P. × Morganicæ.	P. × Venetia.
P. × nitens.	P. × decorum.
P. niveum.	P. × Aphrodite.
P. × Numa.	P. × standense.
P. × œnanthum.	P. × Bijou.
P. Parishii.	P. × Elizabethæ.
P. philippinense.	P. × Hobsoni.
P. × Poliettianum.	P. × Fabia.
• P. Rothschildi- anum.	P. × Mahleræ.
• P. Sanderianum.	P. × Ultor.
P. × selligerum.	P. × Llangat- tockia.
P. × Sementa.	P. × crassifolium.
P. Spicerianum.	P. × radiosum.
P. Stonei.	P. × Numa.
P. superbians.	P. × Euryale.
P. × superciliare.	P. × augustum.
P. × Swanianum.	P. × Rogersii.
P. tonsum.	P. × Barbeyæ.
P. venustum.	P. × aureum.
P. × vernixium.	P. × Coffigniezii.
P. villosum.	P. × luridum.

**58. P. × Leeanum.**

P. × Arthurianum.	P. × Leeæ.
P. × Ashburtonæ.	P. × Louisæ.
• P. barbatum.	P. × Cardoso- anum.
• P. Boxallii.	P. × Hera.
P. × Bruno.	P. × Leemanni.
P. callosum.	P. × Angelicæ.
P. × calophyllum.	P. × Boltonianum.
P. × Calypso.	P. × Evelyn.
P. × Canhami.	P. × Straeteni.
P. Chamberlaini- anum.	P. × Chamber- Leeanum.
P. Charlesworthii.	P. × longwood- ense.
P. concolor.	P. × Whitei.
P. × Crossianum.	P. × Clusia.
P. Fairrieanum.	P. × Reginæ.
P. × Godseffianum.	P. × Hiawatha.

**Paphiopedilum × Leeanum***(continued).*

P. × Harrisianum.	P. × Harri-Lee- anum.
P. Haynaldianum.	P. × Clotilde.
• P. hirsutissimum.	P. × Zampa.
P. insigne.	P. × Simonii.
P. javanicum.	P. × Uriel.
P. × Lathamianum.	P. × Grovesi- anum.
P. Lowii.	P. × roseum.
P. Lawrenceanum.	P. × Magnei.
P. × Lynchianum.	P. × Coronis.
P. × Morganicæ.	P. × Pegasus.
P. × Niobe.	P. × Niobe-Lee- anum.
P. × nitens.	P. × Charlesi- anum.
P. niveum.	P. × Jeanette.
P. × œnanthum.	P. × Brunnianum.
P. purpuratum.	P. × Norrisianum.
P. × Romulus.	P. × Olbia.
P. × Schlesingeri- anum.	P. × Lasellei.
P. × Simonii.	P. × Christopher.
P. Spicerianum.	P. × Bruno.
P. Stonei.	P. × Harvey- anum.
P. superbians.	P. × Woden.
P. tonsum.	P. × maculatum.
P. venustum.	P. × Ashworthiæ.
P. Victoria-Mariæ.	P. × Glonerianum.
P. villosum.	P. × Leander.

**59. P. Lowii.**

P. barbatum.	P. × calanthum.
P. Boxallii.	P. × Beatrice.
P. Curtisii.	P. × Joliboisii.
P. Dayanum.	P. × Patersoni.
P. insigne.	P. × Rossii.
P. Lawrenceanum.	P. × Macfarlane- anum.
P. × Leeanum.	P. × roseum.
P. niveum.	P. × Drewettii.
P. × œnanthum.	P. × Daisyæ.
P. Parishii.	P. × Robinsianum.
P. philippinense.	P. × Berenice.
P. Sanderianum.	P. × Reginaldiæ.
P. Spicerianum.	P. × Wittii.
P. superbians.	P. × macrop- terum.
P. venustum.	P. × pycnop- terum.
P. × vexillarium.	P. × Opoixii.
P. villosum.	P. × lucidum.

**Paphiopedilum**—(continued).60. **P. × Lucie.**

- P. insigne.* *P. × Redversii.*  
*P. tonsum.* *P. × Omphale.*

61. **P. × Lynchianum.**

- P. insigne* *P. × Ilione.*  
*P. × Leeanum.* *P. × Coronis.*

62. **P. × Mabeliæ.**

- P. bellatulum.* *P. × Ameliæ.*

63. **P. × macropterum.**

- P. Charlesworthii.* *P. × Cardosoæ.*

64. **P. × marmorophyllum.**

- P. Argus.* *P. × prestonense.*  
*P. × Crossianum.* *P. × Lachesis.*  
*P. Hookeræ.* *P. × fulgens.*  
*P. insigne.* *P. × Gem.*  
*P. Spicerianum.* *P. × Parksianum.*

65. **P. × Marshallianum.**

- P. Lawrenceanum.* *P. × Gravesii.*

66. **P. Mastersianum.**

- P. barbatum.* *P. × Endymion.*  
*P. callosum.* *P. × Pytho.*  
*P. × Harrisianum.* *P. × Belus.*  
*P. Hookeræ.* *P. × xantho-*  
*phyllum.*  
*P. insigne.* *P. × albanense.*  
*P. Lawrenceanum.* *P. × Matthewsii.*  
*P. tonsum.* *P. × Tantalus.*

67. **P. × Measuresianum.**

- P. Spicerianum.* *P. × Ashworthii.*  
*P. tonsum.* *P. × Tacita.*

68. **P. × Medeia.**

- P. villosum.* *P. × Hanningtoni.*

69. **P. × Morgania.**

- P. Argus.* *P. × Argo-Mor-*  
*gania.*  
*P. Boxallii.* *P. × Frederico-*  
*nobile.*  
*P. Curtisii* *P. × Warburtoni.*  
*P. hirsutissimum.* *P. × Durbar.*  
*P. Lawrenceanum.* *P. × Venetia.*  
*P. × Leeanum.* *P. × Pegasus.*  
*P. Rothschildi-* *P. × l'Ansoni.*  
*anum.*  
*P. × selligerum.* *P. × Nansen.*  
*P. Spicerianum.* *P. × Charpini-*  
*anum.*  
*P. superbiens.* *P. × Penelope.*

**Paphiopedilum**—(continued.)70. **P. × Niobe.**

- P. insigne.* *P. × Priam.*  
*P. × Leeanum.* *P. × Niobe-Lee-*  
*anum.*  
*P. × orphanum.* *P. × Lincolnii.*  
*P. × Sementa.* *P. × Pelops.*  
*P. Spicerianum.* *P. × Norma.*

71. **P. × nitens.**

- P. Argus.* *P. × leopardinum.*  
*P. Boxallii.* *P. × Parkerianum.*  
*P. × calophyllum.* *P. × Patria.*  
*P. × Calypso.* *P. × Sanderi.*  
*P. Chamberlaini-* *P. × Polkii.*  
*anum.*  
*P. ciliolare.* *P. × Duvalii.*  
*P. Curtisii.* *P. × colombense.*  
*P. Druryi.* *P. × medium.*  
*P. Godefroyæ.* *P. × Alexandræ.*  
*P. × Harrisianum.* *P. × giganteum.*  
*P. hirsutissimum.* *P. × Erato.*  
*P. Hookeræ.* *P. × Edmundii.*  
*P. insigne.* *P. × Romulus.*  
*P. × Lathamianum.* *P. × illustre.*  
*P. Lawrenceanum.* *P. × decorum.*  
*P. × Leeanum.* *P. × Charlesi-*  
*anum.*  
*P. niveum.* *P. × La-France.*  
*P. × œnanthum.* *P. × triumphans.*  
*P. × selligerum.* *P. × nitidum.*  
*P. Spicerianum.* *P. × aureum.*  
*P. Stonei.* *P. × whalleyense.*  
*P. venustum.* *P. × Violetta.*  
*P. villosum.* *P. × Colossus.*

72. **P. niveum.**

- P. × alnum.* *P. × Rothwelliæ.*  
*P. Argus.* *P. × Gravesiæ.*  
*P. barbatum.* *P. × Tautzianum.*  
*P. bellatulum.* *P. × Psyche.*  
*P. Boxallii.* *P. × Graceæ*  
*P. callosum.* *P. × calloso-niv-*  
*eum.*  
*P. Chamberlaini-* *P. × Suttonæ.*  
*anum.*  
*P. Charlesworthii.* *P. × Eos.*  
*P. ciliolare.* *P. × Aylingii.*  
*P. Curtisii.* *P. × Cowleyanum.*  
*P. Dayanum.* *P. × Lily.*  
*P. Druryi.* *P. × microchilum.*  
*P. Godefroyæ.* *P. × Greyi.*  
*P. × Goverianum.* *P. × Sophie.*  
*P. × Harrisianum.* *P. × Marwoodii.*  
*P. insigne.* *P. × Venus.*  
*P. Lawrenceanum.* *P. × Aphrodite.*

**Paphiopedilum niveum—(contd.).**

P. × Leeanum.	P. × Jeanette.
P. Lowii.	P. × Drewettii.
P. × nitens.	P. × La-France.
P. philippinense.	P. × Vipanii.
P. Spicerianum.	P. × Spicero-niveum.
P. superbiens.	P. × Georgeanum.
P. × superciliare.	P. × Opoixiæ.
P. tonsum.	P. × Olivia.
P. venustum.	P. × Saron.

**73. P. × Numa.**

P. × Ashburtonæ.	P. × whitefieldiense.
P. Lawrenceanum.	P. × standense.

**74. P. × œnanthum.**

P. Argus.	P. × Descomb- esiæ.
P. barbatum.	P. × plumosum.
P. Boxallii.	P. × rubescens.
P. callosum.	P. × Bagshawææ.
P. × calophyllum.	P. × Pollettianum.
P. Chamberlaini- anum.	P. × Zurigo.

P. Charlesworthii.	P. × Stottianum.
P. Dayanum.	P. × Tennyson.
P. Fairrieanum.	P. × Schreœderi.
P. × Harrisianum.	P. × Creon.
P. × Haywoodi- anum.	P. × Koh-i-noor.

P. Hookeræ.	P. × Cleopatra.
P. insigne.	P. × Milo.
P. Lawrenceanum.	P. × Bijou.
P. × Leeanum.	P. × Brunnianum.
P. Lowii.	P. × Daisyæ.
P. × nitens.	P. × triumphans.
P. Spicerianum.	P. × Figaro.
P. superbiens.	P. × œno-superb- iens.

P. tonsum.	P. × Ganymedes.
P. venustum.	P. × Wendlandi- anum.

P. villosum.	P. × Krameri- anum.
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P. × Youngianum.	P. × Kubele.
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**75. P. × orphanum.**

P. × Harrisianum.	P. × Gabrieli.
P. × Niobe.	P. × Lincolnii.

**76. P. × Orpheus.**

P. Boxallii.	P. × Juturna.
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**77. P. × Pageanum.**

P. Spicerianum.	P. × Picardianum.
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**Paphiopedilum—(continued).****78. P. × Pallas.**

P. Rothschildi- anum.	P. × Elise.
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**79. P. Parishii.**

P. bellatulum.	P. × Statteri.
P. Chamberlaini- anum.	P. × Keelingii.
P. Lawrenceanum.	P. × Elisabethæ.
P. Lowii.	P. × Robinsianum.
P. Rothschildi- anum.	P. × Treleasei.

**80. P. × pavonium.**

P. villosum.	P. × Cahuzacii.
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**81. P. × Petri.**

P. insigne.	P. × Petri-insigne.
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**82. P. philippinense.**

P. Argus.	P. × burfordiense.
P. barbatum.	P. × selligerum.
P. bellatulum.	P. × Phœbe.
P. Boxallii.	P. × Metis.
P. callosum.	P. × Millmanii.
P. Chamberlaini- anum.	P. × Helvetia.

P. ciliolare.	P. × Finetianum.
P. Curtisii.	P. × Clinkaberry- anum.

P. Haynaldianum.	P. × Lebaudy- anum.
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P. Lawrenceanum.	P. × Hobsoni.
P. Lowii.	P. × Berenice.
P. niveum.	P. × Vipanii.
P. purpuratum.	P. × Philo.
P. Rothschildi- anum.	P. × Johnsoni.

P. × selligerum.	P. × Danervaliæ.
P. Spicerianum.	P. × Astræa.
P. superbiens.	P. × Youngianum.
P. tonsum.	P. × Bryan.
P. venustum.	P. × Alfred.
P. villosum.	P. × Priapus.

**83. P. × Pollettianum.**

P. insigne.	P. × magnificum.
P. Lawrenceanum.	P. × Fabia.

**84. P. præstans.**

P. barbatum.	P. × barbato- præstans.
P. Curtisii.	P. × Holtii.
P. Spicerianum.	P. × Janet.

**85. P. purpuratum.**

P. Argus.	P. × Batalinii.
P. × Ashburtonæ.	P. × Atropos.
P. barbatum.	P. × Pitcheri.

**Faphiopedilum purpuratum** -(*contd.*).**Paphiopedilum**—(*continued*).

- P. Bullenianum. P. > Remus.  
 P. Curtisii. P. × Oakesianum  
 P. Fairricianum. P. × Ballantinei.  
 P. × Harrisianum. P. > concinnum.  
 P. Hookeræ. P. > gemmiferum.  
 P. insigne. P. × regale.  
 P. × Io. P. > modestum.  
 P. × Lathamianum P. × rotundum.  
 P. × Leeantum. P. × Norrisianum.  
 P. philippinense. P. × Philo.  
 P. × Savageanum. P. × Rehderianum.  
 P. Spicerianum. P. × Cythera.  
 P. Stonei. P. × Winniæ.  
 P. superbiens. P. × Dacia.  
 P. venustum. P. × Symondsia.
86. P. × regale.
- P. × Calypso. P. × Adamsii.  
 P. tonsum. P. × Garfieldii.
87. P. × Romulus.
- P. × Leeantum. P. × Olbia.
88. P. Rothschildianum.
- P. Argus. P. Rehderæ.  
 P. barbatum. P. × tringiense.  
 \* P. bellatulum. P. × Rolfei.  
 P. Boxallii. P. × Edith.  
 P. callosum. P. > Fowleri.  
 P. × Calypso. P. calypsoides.  
 \* P. Chamberlainianum. P. Transvaal.  
 P. ciliolare. P. Amesii.  
 \* P. Curtisii. P. > Lairessei.  
 P. × Cymatodes. P. > Premier.  
 \* P. × Gowerianum. P. Shillianum.  
 P. × Hanseni. P. > Miranda.  
 P. × Harrisianum. P. × Excelsior.  
 P. Hookeræ. P. × Jupiter.  
 P. × Io. P. × Neptune.  
 \* P. Lawrenceanum. P. × Mahleræ.  
 P. × Morgania. P. × l'Ansoni.  
 P. × Pallas. P. × Elise.  
 P. Parishii. P. > Treleasei.  
 P. philippinense. P. > Johnsoni.  
 P. Sanderianum. P. × Prince.  
 P. × selligerum. P. × Nebula.  
 P. Spicerianum. P. × Faroultii.  
 \* P. superbiens. P. × Mabeliæ.  
 P. × superciliare. P. × Massaianum.  
 P. × Swanianum. P. × Adrien.  
 P. tonsum. P. × Solon.  
 \* P. venustum. P. × bruxellense.  
 P. villosum. P. > Vacuina  
 P. × Youngianum. P. × Sutherlandia.

89. P. Sanderianum.
- P. Argus. P. × Wilsonæ.  
 P. callosum. P. × May.  
 P. Curtisii. P. × Cooksonæ.  
 P. × Gowerianum. P. × Cassandra.  
 P. × Harrisianum. P. × Harrisander.  
 P. Lawrenceanum. P. × Ulter.  
 P. Lowii. P. × Reginaldia.  
 P. Rothschildianum. P. × Prince.  
 P. × selligerum. P. × Dido.  
 P. superbiens. P. × Andromeda.

90. P. × Savageanum.
- P. × Lathamianum. P. × Bollerilla.  
 P. Charlesworthii. P. × Braeckmanii.  
 P. purpuratum. P. × Rehderianum

91. P. × Schlesingerianum.
- P. × Leeantum. P. × Lasellei.

92. P. × Schröderi.
- P. × Harrisianum. P. × Little-Gem.  
 P. insigne. P. × Thalia.

93. P. × selligerum.
- P. Argus. P. × aspasioides.  
 P. barbatum. P. × Joiceyi.  
 P. ciliolare. P. × Ashtoni.  
 P. Curtisii. P. × Vanneræ.  
 P. × Harrisianum. P. × Paulii.  
 P. hirsutissimum. P. × Carderi.  
 P. insigne. P. × barbagense.  
 P. javanicum. P. × illustre.  
 P. Lawrenceanum. P. × Llangat  
 tockire.  
 P. × Leeantum. P. × Ashworthia.  
 P. × Morgania. P. × Nansen.  
 P. × nitens. P. × nitidum.  
 P. philippinense. P. × Danervalia.  
 P. Rothschildianum. P. × Nebula.  
 P. Sanderianum. P. × Dido.  
 P. Spicerianum. P. × Lynchianum.  
 P. superbiens. P. × Elinor.  
 P. tonsum. P. × Aspasia.

94. P. × Sementa.
- P. callosum. P. × aurelianense.  
 P. ciliolare. P. × Iris.  
 P. Druryi. P. × Josephianum.  
 P. Hookeræ. P. × amabile.  
 P. insigne. P. × Vibilia.  
 P. Lawrenceanum. P. × crassifolium.  
 P. × Niobe. P. × Pelops.



**Paphiopedilum**—(continued).95. **P. × siamense.**

*P. insigne.* *P. × Reginaldianum.*

96. **P. × Simonii.**

*P. × Leeaanum.* *P. × Christopher.*

97. **P. Spicerianum.**

*P. Appletonianum.* *P. × Quirinus.*  
*P. Argus.* *P. × Crethus.*  
*P. × Arthurianum.* *P. × Minos.*  
*P. × Ashburtonæ.* *P. × Donatii.*  
*P. barbatum.* *P. × Eyermanianum.*  
  
*P. bellatulum.* *P. × Enid.*  
*P. Boxallii.* *P. × Calypso.*  
*P. callosum.* *P. × Moensæ.*  
*P. × calophyllum.* *P. × Macfarlanei.*  
*P. Chamberlainianum.* *P. × Deedmanianum.*  
*P. Charlesworthii.* *P. × Memnon.*  
*P. ciliolare.* *P. × Bookerii.*  
*P. concolor.* *P. × Arete.*  
*P. × Crossianum.* *P. × Malyanum.*  
*P. Curtisii.* *P. × Allanianum.*  
*P. Dayanum.* *P. × pallens.*  
*P. Druryi.* *P. × Buchanianum.*  
  
*P. Fairrieianum.* *P. × Niobe.*  
*P. × Harrisianum.* *P. × Savageanum.*  
*P. Haynaldianum.* *P. × Carnusianum.*  
*P. hirsutissimum.* *P. × Medeia.*  
*P. Hookeræ.* *P. × Eurydice.*  
*P. insigne.* *P. × Leeaanum.*  
*P. × Io.* *P. × Lœwegrenianum.*  
  
*P. javanicum.* *P. × lutescens.*  
*P. × Lathamianum.* *P. × Solomonæ.*  
  
*P. Lawrenceanum.* *P. × radiosum.*  
*P. × Leeaanum.* *P. × Bruno.*  
*P. Lowii.* *P. × Wittii.*  
*P. × marmorophyllum.* *P. × Parksianum.*  
  
*P. × Measuresianum.* *P. × Ashworthii.*  
  
*P. × Morgania.* *P. × Charpinianum.*  
  
*P. × Niobe.* *P. × Norma.*  
*P. × nitens.* *P. × aureum.*  
*P. niveum.* *P. × Spicero-niveum.*  
  
*P. × œnanthum.* *P. × Figaro.*  
*P. × Pageanum.* *P. × Picardianum.*  
*P. philippinense.* *P. × Astræa.*  
*P. præstans.* *P. × Janet.*

**Paphiopedilum Spicerianum** (con.).

*P. purpuratum.* *P. × Cythera.*  
*P. Rothschildianum.* *P. × Faroultii.*  
  
*P. × selligerum.* *P. × Lynchianum.*  
*P. Stonei.* *P. × Alice.*  
*P. superbiens.* *P. × Hornianum.*  
*P. tonsum.* *P. × Celia.*  
*P. venustum.* *P. × polystigmaticum.*  
  
*P. × vernixium.* *P. × Claudii.*  
*P. × vexillarium.* *P. × Statterianum.*  
  
*P. Victoria-Maria.* *P. × Zollingeri.*  
*P. villosum.* *P. × Lathamianum.*

98. **P. Stonei.**

*P. Argus.* *P. × Rothwellianum.*  
  
*P. × Ashburtonæ.* *P. × Clarkia.*  
*P. barbatum.* *P. × euryandrum.*  
*P. Boxallii.* *P. × Georgei.*  
*P. callosum.* *P. × Fordianum.*  
*P. ciliolare.* *P. × Truffautia.*  
*P. concolor.* *P. × platycolor.*  
*P. Curtisii.* *P. × Constance.*  
*P. Hookeræ.* *P. × Melanthus.*  
*P. Lawrenceanum.* *P. × Numa.*  
*P. × Leeaanum.* *P. × Harveyanum.*  
*P. × nitens.* *P. × whalleyense.*  
*P. purpuratum.* *P. × Winnia.*  
*P. Spicerianum.* *P. × Alice.*  
*P. superbiens.* *P. × Morgania.*  
*P. × superciliare.* *P. × Comet.*  
*P. venustum.* *P. × Doris.*  
*P. × vexillarium.* *P. × Apollo.*  
*P. villosum.* *P. × Abas.*

99. **P. superbiens.**

*P. barbatum.* *P. × superciliare.*  
*P. bellatulum.* *P. × Measuresia.*  
*P. Boxallii.* *P. × Adela.*  
*P. callosum.* *P. × Moussetianum.*  
  
*P. × calophyllum.* *P. × polychromum.*  
*P. Chamberlainianum.* *P. × Thyades.*  
  
*P. Charlesworthii.* *P. × Evadne.*  
*P. ciliolare.* *P. × Lachmee.*  
*P. concolor.* *P. × Arnoldianum.*  
*P. Curtisii.* *P. × Cymatodes.*  
*P. Dayanum.* *P. × Kittellii.*  
*P. Druryi.* *P. × Haywoodianum.*  
  
*P. Fairrieianum.* *P. × Edwardii.*  
*P. × Harrisianum.* *P. × Tryonianum.*

**Paphiopedilum superbiens** *-(contd.)*.

<i>P. hirsutissimum.</i>	<i>P. × Castleanum.</i>
<i>P. Hookeræ.</i>	<i>P. × Pageanum.</i>
<i>P. insigne.</i>	<i>P. × Thorntonii.</i>
<i>P. Lawrenceanum.</i>	<i>P. × Euryale.</i>
<i>P. × Leeanum.</i>	<i>P. × Woden.</i>
<i>P. Lowii.</i>	<i>P. × macropterum.</i>
<i>P. × Morganicæ.</i>	<i>P. × Penelope.</i>
<i>P. niveum.</i>	<i>P. × Georgeanum.</i>
<i>P. × œnanthum.</i>	<i>P. × œno-superbiens.</i>
<i>P. philippinense.</i>	<i>P. × Youngianum.</i>
<i>P. purpuratum.</i>	<i>P. × Dacia.</i>
<i>P. Rothschildianum.</i>	<i>P. × Mabelicæ.</i>
<i>P. Sanderianum.</i>	<i>P. × Andromeda.</i>
<i>P. × selligerum.</i>	<i>P. × Elinor.</i>
<i>P. Spicerianum.</i>	<i>P. × Hornianum.</i>
<i>P. Stonei.</i>	<i>P. × Morganicæ.</i>
<i>P. × Swanianum.</i>	<i>P. × Hecla.</i>
<i>P. venustum.</i>	<i>P. × Carrierei.</i>
<i>P. villosum.</i>	<i>P. × Canhami.</i>
<i>P. virens.</i>	<i>P. × Sementa.</i>
<i>P. × Youngianum.</i>	<i>P. × Ira.</i>

100. **P. × superciliare.**

<i>P. barbatum.</i>	<i>P. × Vigerianum.</i>
<i>P. bellatulum.</i>	<i>P. × Arnoldicæ.</i>
<i>P. × Bleui.</i>	<i>P. × Alfredianum.</i>
<i>P. callosum.</i>	<i>P. × Moreauanum.</i>
<i>P. Charlesworthii.</i>	<i>P. × Decia.</i>
<i>P. concolor.</i>	<i>P. × Marchandii.</i>
<i>P. ciliolare.</i>	<i>P. × exoptatum.</i>
<i>P. Dayanum.</i>	<i>P. × Coffinetii.</i>
<i>P. × Hera.</i>	<i>P. × Thomyris.</i>
<i>P. Hookeræ.</i>	<i>P. × amethystinum.</i>

<i>P. Lawrenceanum.</i>	<i>P. × augustum.</i>
<i>P. niveum.</i>	<i>P. × Opoixicæ.</i>
<i>P. Rothschildianum.</i>	<i>P. × Massaianum.</i>

<i>P. Stonei.</i>	<i>P. × Comet.</i>
<i>P. villosum.</i>	<i>P. × Lauræ.</i>

101. **P. × Swanianum.**

<i>P. × alnum.</i>	<i>P. × Mantinii.</i>
<i>P. barbatum.</i>	<i>P. × gandavense.</i>
<i>P. bellatulum.</i>	<i>P. × Cynides.</i>
<i>P. Dayanum.</i>	<i>P. × Artemis.</i>
<i>P. Fairrieanum.</i>	<i>P. × Aassenii.</i>
<i>P. × Harrisianum.</i>	<i>P. × Rossicæ.</i>
<i>P. Haynaldianum.</i>	<i>P. × gracile.</i>
<i>P. hirsutissimum.</i>	<i>P. × Bondii.</i>
<i>P. insigne.</i>	<i>P. × Comus.</i>
<i>P. Lawrenceanum.</i>	<i>P. × Rogersii.</i>
<i>P. Rothschildianum.</i>	<i>P. × Adrien.</i>
<i>P. Susperbiens.</i>	<i>P. × Hecla.</i>

**Paphiopedilum × Swanianum**—*(con.)*.102. **P. × Swinburnei.**

<i>P. × Haywoodianum.</i>	<i>P. × Goodsoni.</i>
<i>P. venustum.</i>	<i>P. × buryense.</i>

103. **P. × Tautzianum.**

<i>P. callosum.</i>	<i>P. × Nandii.</i>
---------------------	---------------------

104. **P. tonsum.**

<i>P. Argus.</i>	<i>P. × Iphis.</i>
<i>P. barbatum.</i>	<i>P. × Rossianum.</i>
<i>P. bellatulum.</i>	<i>P. × Hunteri.</i>
<i>P. Boxallii.</i>	<i>P. × Zeno.</i>
<i>P. callosum.</i>	<i>P. × Felicity.</i>
<i>P. × Calypso.</i>	<i>P. × CEnomaus.</i>
<i>P. Charlesworthii.</i>	<i>P. × Nellie.</i>
<i>P. Druryi.</i>	<i>P. × Piercei.</i>
<i>P. Fairrieanum.</i>	<i>P. × Amesiæ.</i>
<i>P. × Harrisianum.</i>	<i>P. × orangense.</i>
<i>P. insigne.</i>	<i>P. × Krishna.</i>
<i>P. Lawrenceanum.</i>	<i>P. × Barbeyæ.</i>
<i>P. × Leeanum.</i>	<i>P. × maculatum.</i>
<i>P. × Lucie.</i>	<i>P. × Omphale.</i>
<i>P. Mastersianum.</i>	<i>P. × Tantalus.</i>
<i>P. × Measuresianum.</i>	<i>P. × Tacita.</i>
<i>P. niveum.</i>	<i>P. × Olivia.</i>
<i>P. × œnanthum.</i>	<i>P. × Ganymedes.</i>
<i>P. philippinense.</i>	<i>P. × Bryan.</i>
<i>P. × regale.</i>	<i>P. × Garfieldii.</i>
<i>P. Rothschildianum.</i>	<i>P. × Solon.</i>
<i>P. × selligerum.</i>	<i>P. × Aspasia.</i>
<i>P. Spicerianum.</i>	<i>P. × Celia.</i>
<i>P. venustum.</i>	<i>P. × Polyphemus.</i>
<i>P. villosum.</i>	<i>P. × Bullieri.</i>
<i>P. × Youngianum.</i>	<i>P. × Syrinx.</i>

105. **P. venustum.**

<i>P. barbatum.</i>	<i>P. × calophyllum.</i>
<i>P. bellatulum.</i>	<i>P. × Venubel.</i>
<i>P. Boxallii.</i>	<i>P. × pavoninum.</i>
<i>P. Bullenianum.</i>	<i>P. × Fitchianum.</i>
<i>P. callosum.</i>	<i>P. × Orpheus.</i>
<i>P. concolor.</i>	<i>P. × Marshallianum.</i>
<i>P. Dayanum.</i>	<i>P. × caligare.</i>
<i>P. Godefroyæ.</i>	<i>P. × Lloydicæ.</i>
<i>P. × Harrisianum.</i>	<i>P. × chloroneurum.</i>
<i>P. hirsutissimum.</i>	<i>P. × deceptum.</i>
<i>P. Hookeræ.</i>	<i>P. × Atys.</i>
<i>P. insigne.</i>	<i>P. × Crossianum.</i>
<i>P. Lawrenceanum.</i>	<i>P. × auroreum.</i>
<i>P. × Leeanum.</i>	<i>P. × Ashworthicæ.</i>
<i>P. Lowii.</i>	<i>P. × pycnopterum.</i>

**Paphiopedilum venustum—(contd.).**

P. × nitens.	P. × Violetta.
P. niveum.	P. × Saron.
P. × œnanthum.	P. × Wendlandianum.
P. philippinense.	P. × Alfred.
P. purpuratum.	P. × Symondsia.
P. Rothschildianum.	P. × bruxellense.
P. Spicerianum.	P. × polystigmat-icum.
P. Stonei.	P. × Doris.
P. superbiens.	P. × Carrierei.
P. × Swinburnei.	P. × buryense.
P. tonsum.	P. × Polyphemus.
P. villosum.	P. × Measuresianum.

**106. P. × vernixium.**

P. × Ashburtonæ.	P. × Lowryanum.
P. × Harrisianum.	P. × bellinum.
P. Lawrenceanum.	P. × Coffigniezii.
P. Spicerianum.	P. × Claudii.

**107. P. × vexillarium.**

P. barbatum.	P. × Singletonianum.
P. bellatulum.	P. × Gratrixia.
P. × calophyllum.	P. × liegense.
P. × chloroneurum.	P. × Zalmoxis.
P. hirsutissimum.	P. × Jensenianum.
P. insigne.	P. × Daedalus.
P. × Io.	P. × vexill-Io.
P. Lowii.	P. × Opoixii.
P. Spicerianum.	P. × Statterianum.
P. Stonei.	P. × Apollo.

**108. P. Victoria-Mariae.**

P. × Lathamianum.	P. × Brunhild.
P. × Leeanum.	P. × Glonerianum.
P. Spicerianum.	P. × Zollingeri.

**109. P. villosum.**

P. Argus.	P. × vernixium.
P. barbatum.	P. × Harrisianum.
P. bellatulum.	P. × allertonense.
P. Boxallii.	P. × Reynoldi.
P. callosum.	P. × Indra.
P. Chamberlainianum.	P. × Madiotianum.
P. Charlesworthii.	P. × Wrigleyi.
P. ciliolare.	P. × Pygmalion.
P. concolor.	P. × concolorosum.
P. Curtisii.	P. × Helios.
P. Dayanum.	P. × Iago.

**Paphiopedilum villosum—(contd.)**

P. exul.	P. × villexul.
P. Druryi.	P. × Winnianum.
P. × Harrisianum.	P. × conspicuum.
P. Godefroyæ.	P. × Una.
P. Haynaldianum.	P. × Hanseni.
P. hirsutissimum.	P. × Germynianum.
P. Hookeræ.	P. × Schusterianum.
P. insigne.	P. × nitens.
P. × Lathamianum.	P. × chrysotoxum.
P. Lawrenceanum.	P. × luridum.
P. × Leeanum.	P. × Leander.
P. Lowii.	P. × lucidum.
P. × Medeia.	P. × Hanningtoni.
P. × nitens.	P. × Colossus.
P. × œnanthum.	P. × Kramerianum.
P. × pavoninum.	P. × Cahuzacii.
P. philippinense.	P. × Priapus.
P. purpuratum.	P. × concinnum.
P. Rothschildianum.	P. × Vacuna.
P. Spicerianum.	P. × Lathamianum.
P. Stonei.	P. × Abas.
P. superbiens.	P. × Canhami.
P. × superciliare.	P. × Lauræ.
P. tonsum.	P. × Bullieri.
P. venustum.	P. × Measuresianum.

**110. P. virens.**

P. barbatum.	P. × pleistochlorum.
P. Dayanum.	P. × Petri.
P. superbiens.	P. × Sementa.

**111. P. × Youngianum.**

P. bellatulum.	P. × Beranekii.
P. × Gowerianum.	P. × Mapleæ.
P. × Io.	P. × Brandtia.
P. × œnanthum.	P. × Kubele.
P. Rothschildianum.	P. × Sutherlandia.
P. superbiens.	P. × Ira.
P. tonsum.	P. × Syrix.

**29. PHAIUS.****1. P. × amabilis.**

P. Blumei.	P. × Joiceyanus.
P. grandifolius.	P. × Brownii.

**2. P. bicolor.**

P. Humblotii.	P. × Owenianus.
---------------	-----------------

**Phaius**—(continued).**3. P. Blumei.**

- |                |                     |
|----------------|---------------------|
| P. × amabilis. | P. × Joiceyanus.    |
| P. Humblotii.  | P. × Crawshawianus. |
| P. simulans.   | P. × Marthæ.        |

**4. P. × Cooksonæ.**

- |               |            |
|---------------|------------|
| P. Humblotii. | P. × Ruby. |
|---------------|------------|

**5. P. × Cooksoni.**

- |               |                     |
|---------------|---------------------|
| P. Humblotii. | P. × oakwoodiensis. |
| P. simulans.  | P. × Clive.         |
| P. Wallichii. | P. × Harold.        |

**6. P. grandifolius.**

- |                        |                          |
|------------------------|--------------------------|
| Calanthe × Darblayana. | Phaiocalanthe × grandis. |
| C. × gigas.            | P.-c. × Niobe.           |
| C. Masuca.             | P. c. × inspirata.       |
| C. Regnieri.           | P.-c. × Arnoldiæ.        |
| C. × Veitchii.         | P.-c. × Sedeniana.       |
| C. vestita.            | P.-c. × irrorata.        |
| P. × amabilis.         | P. × Brownii.            |
| P. Humblotii.          | P. × Cooksonæ.           |
| P. maculatus.          | P. × Veitchii.           |
| P. × Marthæ.           | P. × orphanus.           |
| P. simulans.           | P. × amabilis.           |
| P. Wallichii.          | P. × hybridus.           |

**7. P. Humblotii.**

- |                  |                           |
|------------------|---------------------------|
| Calanthe Masuca. | Phaiocalanthe × Berryana. |
| P. bicolor.      | P. × Owenianus.           |
| P. Blumei.       | P. × Crawshawianus.       |
| P. × Cooksoni.   | P. × oakwoodiensis.       |
| P. × Cooksonæ.   | P. × Ruby.                |
| P. grandifolius. | P. × Cooksonæ.            |
| P. × Phœbe.      | P. × Chapmanii.           |
| P. Wallichii.    | P. × Phœbe.               |
| P. × Owenianus.  | P. × Wiganianus.          |

**8. P. maculatus.**

- |                  |                     |
|------------------|---------------------|
| P. grandifolius. | P. × Veitchii.      |
| P. Wallichii.    | P. × Ashworthianus. |

**9. P. × Marthæ.**

- |                  |                |
|------------------|----------------|
| P. grandifolius. | P. × orphanus. |
|------------------|----------------|

**10. P. × Phœbe.**

- |               |                 |
|---------------|-----------------|
| P. Humblotii. | P. × Chapmanii. |
|---------------|-----------------|

**11. P. × Owenianus.**

- |               |                  |
|---------------|------------------|
| P. Humblotii. | P. × Wiganianus. |
|---------------|------------------|

**Phaius**—(continued).**12. P. × simulans.**

- |                  |                |
|------------------|----------------|
| P. Blumei.       | P. × Marthæ.   |
| P. × Cooksoni.   | P. × Clive.    |
| P. grandifolius. | P. × amabilis. |
| P. Wallichii.    | P. × Cooksoni. |

**13. P. Wallichii.**

- |                      |                                 |
|----------------------|---------------------------------|
| Calanthe × gigas.    | Phaiocalanthe × Schrœderiana.   |
| C. × Ruby.           | P.-c. × Ruby.                   |
| C. × Veitchii.       | P.-c. × Brandtiæ.               |
| Cymbidium giganteum. | Phaiocymbidium × chardwarensis. |
| P. × Cooksoni.       | P. × Harold.                    |
| P. grandifolius.     | P. × hybridus.                  |
| P. Humblotii.        | P. × Phœbe.                     |
| P. maculatus.        | P. × Ashworthianus.             |
| P. simulans.         | P. × Cooksoni.                  |

**30. PHALÆNOPSIS.****1. P. amabilis.**

- |                    |                      |
|--------------------|----------------------|
| P. × intermedia.   | P. × Amesii.         |
| P. Lueddemanniana. | P. × Sedeni.         |
| P. rosea.          | P. × Artemis.        |
| P. Schilleriana.   | P. × Rothschildiana. |
| P. Stuartiana.     | P. × Leda.           |
| P. violacea.       | P. × Harriettæ.      |

**2. P. Aphrodite.**

- |                  |                   |
|------------------|-------------------|
| P. rosea.        | P. × intermedia.  |
| P. Schilleriana. | P. × leucorrhoda. |
| P. Stuartiana.   | P. × Ariadne.     |

**3. P. × intermedia.**

- |                   |                   |
|-------------------|-------------------|
| P. amabilis.      | P. × Amesii.      |
| P. × leucorrhoda. | P. × Schrœderæ.   |
| P. Sanderiana.    | P. × Rothschildæ. |

**4. P. × leucorrhoda.**

- |                  |                 |
|------------------|-----------------|
| P. × intermedia. | P. × Schrœderæ. |
|------------------|-----------------|

**5. P. Lueddemanniana.**

- |                |                      |
|----------------|----------------------|
| P. amabilis.   | P. × Sedeni.         |
| P. Mannii.     | P. × Hymen.          |
| P. Sanderiana. | P. × Veitchiæ.       |
| P. Stuartiana. | P. × Hermione.       |
| P. violacea.   | P. × Lueddeviolacea. |

**6. P. Mannii.**

- |                    |                    |
|--------------------|--------------------|
| P. Lueddemanniana. | P. × Hymen.        |
| P. Stuartiana.     | P. × langleyensis. |

**Phalænopsis**—(continued)7. **P. rosea.**

P. amabilis.	P. × Artemis.
P. Aphrodite.	P. × intermedia.
P. Sanderiana.	P. × Hebe.
P. Schilleriana.	P. × Veitchiana.
P. Stuartiana.	P. × Cassandra.

8. **P. Sanderiana.**

P. × intermedia.	P. × Rothschildiæ.
P. Lueddemanni- ana.	P. × Veitchiæ.
P. rosea.	P. × Hebe.
P. Stuartiana.	P. × Amphitrite.

9. **P. Schilleriana.**

P. amabilis.	P. × Rothschildi- ana.
P. Aphrodite.	P. × leucorrhoda.
P. rosea.	P. × Veitchiana.
P. Stuartiana.	P. × Wiganix.

10. **P. Stuartiana.**

P. amabilis.	P. × Leda.
P. Aphrodite.	P. × Ariadne.
P. Lueddemanni- ana.	P. × Hermione.
P. Mannii.	P. × langleyensis.
P. rosea.	P. × Cassandra.
P. Sanderiana.	P. × Amphitrite.
P. Schilleriana.	P. × Wiganix.

11. **P. violacea.**

P. amabilis.	P. × Harriettæ.
P. Lueddemanni- ana.	P. × Luedde- violacea.

**31. PHRAGMOPEDILUM.**1. **P. × Ainsworthii.**

P. caudatum.	P. × Hardyanum.
P. × Sedenii.	P. × Lemoinieri- anum.

2. **P. Boissierianum.**

P. cardinale.	P. × Hanischi- anum.
P. Schlimii.	P. × Cleola.
P. × Sedenii.	P. × Brysa.

3. **P. × cardinale.**

P. Boissierianum.	P. × Hanischi- anum.
P. caudatum.	P. × Finetianum.
P. Lindleyanum.	P. × Cupid.
P. longifolium.	P. × Eva.
P. Schlimii.	P. × Ada.
P. × Sedenii.	P. × Rosy-Gem.

**Phragmopedilum** (continued).4. **P. caricinum.**

P. caudatum.	P. × Dominicanum.
P. longifolium.	P. × conchiferum.
P. Schlimii.	P. × stenophyl- lum.
P. × Sedenii.	P. × Faroultii.

5. **P. caudatum.**

P. × Ainsworthii.	P. × Hardyanum.
P. × cardinale.	P. × Finetianum.
P. caricinum.	P. × Dominicanum.
P. × conchiferum.	P. × nitidissi- mum.
P. × grande.	P. × giganteum.
P. Lindleyanum.	P. × Geralda.
P. longifolium.	P. × grande.
P. Schlimii.	P. × Saundersi- anum.
P. × Sedenii.	P. × Schrœderæ.

6. **P. × conchiferum.**

P. caudatum.	P. × nitidissi- mum.
P. × grande.	P. × Elsteadi- anum.
P. longifolium.	P. × Mantinii.
P. Schlimii.	P. × Baconis.
P. × Sedenii.	P. × Coppinianum.

7. **P. × Dominicanum.**

P. Schlimii.	P. × albopur- pureum.
--------------	--------------------------

8. **P. × grande.**

P. caudatum.	P. × giganteum.
P. × conchiferum.	P. × Elsteadi- anum.
P. Lindleyanum.	P. × Uranus.
P. × Sedenii.	P. × pulchellum.

9. **P. Klotzschianum.**

P. × Sedenii.	P. × suave.
---------------	-------------

10. **P. Lindleyanum.**

P. × cardinale.	P. × Cupid.
P. caudatum.	P. × Geralda.
P. × grande.	P. × Uranus.
P. longifolium.	P. × Urgandiæ.
P. Schlimii.	P. × Unique.
P. × Sedenii.	P. × Perseus.

11. **P. longifolium.**

P. × cardinale.	P. × Eva.
P. caricinum.	P. × conchiferum.
P. caudatum.	P. × grande.
P. × conchiferum.	P. × Mantinii.
P. Lindleyanum.	P. × Urgandiæ.

**Phragmopedilum longifolium***(continued)*.

P. Schlimii. P. × Sedenii.  
 P. × Sedenii. P. × Ainsworthii.

**12. P. Schlimii.**

P. Boissierianum. P. × Cleola.  
 P. × cardinale. P. × Ada.  
 P. caricinum. P. × stenophyl-  
 lum.  
 P. caudatum. P. × Saundersi-  
 anum.  
 P. × conchiferum. P. × Baconis.  
 P. × Dominicanum. P. × albopur-  
 pureum.  
 P. Lindleyanum. P. × Unique.  
 P. longifolium. P. × Sedenii.  
 P. × Sedenii. P. × cardinale.  
 P. vittatum. P. × Stella.

**13. P. × Sedenii.**

P. × Ainsworthii. P. × Lemoinieri-  
 anum.  
 P. Boissierianum. P. × Brysa.  
 P. × cardinale. P. × Rosy-Gem.  
 P. caricinum. P. × Faroultii.  
 P. caudatum. P. × Schrøderæ.  
 P. × conchiferum. P. × Coppini-  
 anum.  
 P. × grande. P. × pulchellum.  
 P. Klotzschianum. P. × suave.  
 P. Lindleyanum. P. × Perseus.  
 P. longifolium. P. × Ainsworthii.  
 P. Schlimii. P. × cardinale.

**14. P. vittatum.**

P. Schlimii. P. × Stella.

**32. SCHOMBURGKIA.****1. S. tibicinis.**

Cattleya Mossiæ. Schombocattleya  
 × spiralis.

**33.—SOBRALIA.****1. S. Holfordi.**

S. Wilsoni. S. × luminosa.

**2. S. macrantha.**

S. rosea. S. × Sedenii.  
 S. × Veitchii. S. × mirabilis.  
 S. xantholeuca. S. × Veitchii.

**3. S. rosea.**

S. macrantha. S. × Sedenii.

**Sobralia (continued).****4. S. × Veitchii.**

S. macrantha. S. × mirabilis.

**5. S. Wilsoni.**

S. Holfordi. S. × luminosa.  
 S. xantholeuca. S. × Amesiana.

**6. S. xantholeuca.**

S. macrantha. S. × Veitchii.  
 S. Wilsoni. S. × Amesiana.

**34. SOPHRONITIS.****1. S. grandiflora.**

Cattleya Aclandia. Sophrocattleya ×  
 Hardyana.  
 C. Bowringiana. S.-c. × eximia.  
 C. × calummata. S.-c. × Nydia.  
 C. Harrisoniana. S.-c. × Chamber-  
 lainii.  
 C. intermedia. S.-c. × Batemani-  
 ana.  
 C. Leopoldi. S.-c. × Cleopatra.  
 C. Loddigesii. S.-c. × Calypso.  
 C. Mossiæ. S.-c. × Imperatrix.  
 C. Trianae. S.-c. × Saxa.  
 Epidendrum radi- Epiphronitis ×  
 cans. Veitchii.  
 Laëlia cinnabarina. Sophrolælia ×  
 Psyche.  
 L. Dayana. S.-l. × keta.  
 L. flava. S.-l. × Marriottii.  
 L. harpophylla. S.-l. × Valda.  
 L. pumila. S.-l. × Opeti.  
 L. purpurata. S.-l. × hertonensis  
 L. tenebrosa. S.-l. × Gaatrixiæ.  
 Læliocattleya × Sophrocattlælia ×  
 elegans. Eros.  
 L.-c × Schilleriana. S.-c.-l. × Veitchii.

**2. S. violacea.**

Epidendrum × Epiphronitis ×  
 O'Brienianum. Orpeti.

**35. SPATHOGLOTTIS.****1. S. aurea.**

S. Vieillardii. S. × Veitchii.

**2. S. plicata.**

S. Vieillardii. S. × kewensis.

**3. S. Vieillardii.**

S. aurea. S. × Veitchii.  
 S. plicata. S. × kewensis.

**36. STANHOPEA.**1. **S. insignis.**

S. oculata. S. × bellaerensis.

2. **S. oculata.**S. insignis. S. × bellaerensis.  
S. tigrina. S. × Spindleriana.3. **S. tigrina.**

S. oculata. S. × Spindleriana.

**37. THUNIA.**1. **T. Bensonæ.**

Thunia Marshalliana. T. × Veitchiana.

2. **T. Marshalliana.**

T. Bensonæ. T. × Veitchiana.

**38. VANDA.**1. **V. Hookeriana.**

V. teres. V. × Joaquimæ.

2. **V. suavis.**

V. teres. V. × Maronæ.

3. **V. teres.**V. Hookeriana. V. × Joaquimæ.  
V. suavis. V. × Maronæ.**39. ZYGOPETALUM.**1. **Z. Burkei.**

Z. intermedium. Z. × leucochilum.

**Zygopetalum—(continued).**2. **Z. crinitum.**Batemannia Zygobatemannia  
Colleyi. Mastersii.  
Colax jugosus. Zygocolax ×  
Veitchii.  
Z. intermedium. Z. × secundum.  
Z. maxillare. Z. × Clayi.3. **Z. intermedium.**Colax jugosus. Zygocolax ×  
Wiganianus.  
Z. Burkei. Z. × leucochilum.  
Z. crinitum. Z. × secundum.  
Z. maxillare. Z. × Sedenii.4. **Z. Mackayi.**Colax jugosus. Zygocolax ×  
Amesianus.  
Z. × Perrenoudi. Z. × Sanderi.5. **Z. maxillare.**Aganisia lepida. Zygonisia × Rolfe-  
ana.  
Colax jugosus. Zygocolax ×  
leopardinus.  
Z. crinitum. Z. × Clayi.  
Z. intermedium. Z. × Sedenii.  
Z. rostratum. Z. × Roeblingi-  
anum.6. **Z. Perrenoudi.**

Z. Mackayi. Z. × Sanderi.

7. **Z. rostratum.**Z. maxillare. Z. × Roeblingi-  
anum.

## NOMENCLATURE OF HYBRIDS.

A FEW suggestions for securing greater uniformity of practice than at present exists, and for securing something like a standard system of Nomenclature.

Plants of hybrid origin should if possible be distinguished from natural species, and this is secured by the use of the sign of hybridity “ × ” between the generic and specific names.

Hybrids between species should receive specific names, Latin or classical, consisting of a single word—the use, however, of two short words being permissible where they can be connected with a hyphen. Short names should be used for preference, those exceeding six syllables being considered inadmissible.

Hybrids raised between the same two species, even if of inverted parentage, should be considered as forms of one, any sufficiently distinct forms being distinguished by the addition of suitable varietal names.

Hybrids between genera should receive generic names formed by combining the names of the parent genera, or parts of them, to form a suitable word.

Secondary hybrids, *i.e.*, those in which one or both parents are themselves of hybrid origin, should as far as possible be dealt with under the preceding rules.

Existing names which do not conform to the above rules may be amended, the original idea, however, being conserved as far as possible.



In compiling these pages an attempt has been made to carry the above suggestions into practice.



## PART II.

**A**LPHABETICAL enumeration of hybrids, with the names of the parents, raiser or exhibitor, date of first flowering, with references to the original record, description and figures, together with the synonyms. In some cases the exhibitor is not the original raiser, but if the latter is known his name is included within brackets before that of the exhibitor.

The hybrids are arranged alphabetically under their adopted names (see note under Nomenclature), and the synonyms as far as practicable in chronological sequence.

The parents are arranged alphabetically in Part I. of the work, followed by the names of the resulting hybrid.

### 1. AERIDES.

1. **A.** × **hybridum** (affine × Fieldingii), *G.C.* 1871, 44; *O.R.* 1893, 35.—Veitch, 1871.

*A.* × *Dominyanum*, *Will. O. Gr. Man.* ed 6, 100.

This hybrid seems to have been completely lost sight of.

### 2. ANGRÆCUM.

1. **A.** × **Veitchii** (sesquipedale ♀ × superbum), *G.C.* 1891, i. 31, 35, f. 10; *ŷ.H.* 1899, i. 48, 49, f. 10; *G.M.* 1899, 30, 31, f. 10; *O.R.* 1899, 63; 1901, 37.—Veitch, 1899.

*A.* *eburneum* was originally recorded as one of the parents, but this arose through confusion between that species and *A.* *superbum*.

### 3. ANGULOA.

1. **A.** × **Madouxiana** (*Ruckeri* × *uniflora*), *ŷ.d.O.* v. 124; *Lind. x. t.* 434.—Linden, 1893.

Original record lost, but parentage no doubt correct. Said to have also appeared as a natural hybrid, in an importation of *A.* *uniflora*, received by Messrs. Linden (*Lind. l.c.*).

2. **A.** × **media** (*Clowesii* × *Ruckeri*), *G.C.* 1881, ii. 38; *O.R.* 1893, 40, 197.—Bowring, 1881.

*A.* × *intermedia* (*Clowesii* ♀), *G.C.* 1888, i. 798; *O.R.* 1893, 229.—Veitch.

Has also appeared as a natural hybrid, in the collection of R. H. Measures, Esq., Streatham (*O.R.* 1893, 40).

#### 4. ANÆCTOMARIA.

A genus established to contain the following hybrid between *Anæctochilus* and *Hæmaria*.

1. **A.-m.** × **Dominyi** (*Anæctochilus Roxburghii* × *Hæmaria discolor*), *ŷ.L. Soc.*, xxiv. 170.—Veitch, 1865.

*Anæctochilus* × *Dominyi*, *G.C.*, 1865, 462; *Proc. R.H.S.*, v. 139; *O.R.* 1893, 5.

This hybrid seems to have been completely lost sight of.

#### 5. BRASSOCATTLÆLIA.

A genus established for the secondary hybrids derived from the three genera, *Brassavola*, *Cattleya*, and *Lælia*.

1. **B.-c.-l.** × **Lawrencei** (*Brassocattleya* × *Lindleyana* ♀ × *Læliocattleya* × *elegans*), *O.R.* 1902, 86.—Lawrence, 1897.

*B.-c.-l.* × *Lindleyano-elegans*, *G.C.* 1897, ii. 438; *O.R.* 1898, 30.

The parent *Brassocattleya* × *Lindleyana* is believed to be a natural hybrid between *Brassavola tuberculata* and *Cattleya intermedia*.

2. **B.-c.-l.** × **Mackayi** (*B. Digbyana* × *L.-c.* × *elegans* ♀), *O.R.* 1903, 174,—Chamberlain, 1903.

3. **B.-c.-l.** × **Wiganii** (*B. Digbyana* × *L.-c.* × *Aphrodite* ♀), *O.R.* 1902, 86.—Wigan, 1901.

*Læliocattleya* × *Edgar Wigan*, *G.C.* 1901, May 25, Suppl. 2; *O.R.* 1901, 184, 196; *G.M.* 1901, 317, 318, f.; *Gard.* 1902, ii. 219, f.

#### 6. BRASSOCATTLLEYA.

A genus established to contain the hybrids between *Brassavola* and *Cattleya*.

1. **B.-c.** × **belairensis** (*Brassavola Perrinii* ♀ × *Cattleya Leopoldi*) *Chron. O.* 150 (in note); *O.R.* 1902, 84.—Mantin, 1898.

*Correvoia* × *bellaerensis*, *ŷard.* 1898, 240; *O.R.* 1899, 2.

The *Cattleya* parent was originally recorded as *C. guttata*, but we believe it to have been *C. Leopoldi*.

2. **B.-c.** × **Chamberlainæ** (*B. Digbyana* × *C. quadricolor* ♀), *O.R.* 1902, 326.—Chamberlain, 1902.

*B.-c.* × *Mrs. Chamberlain*, *O.R.* 1902, 340.

*Læliocattleya* × *Mrs. Chamberlain*, *G.C.* 1902, ii. 313; *O.R.* 1902, 340.

3. **B.-c.** × **conspicua** (*B. glauca* ♀ × *C. Leopoldi*), *G.M.* 1902, 440; *Gard.* 1902, ii. 50.—Sander, 1902.

*L.-c.* × *conspicua*, *G.C.* 1902, ii. 25; *O.R.* 1902, 243; *Sand. O. Guide*, 338.

Two of the above-mentioned works give *Brassavola Digbyana* as one of the parents, which appears to be erroneous.

• 4. **B.-c.** × **Fournieræ** (*B. Digbyana* × *C. labiata* ♀).—Fournier, 1902.

*L.-c.* × (unnamed), *ŷ.S.H.Fr.* 1902, 142.

*L.-c.* × *Marguerite Fournier*, *ŷ.S.H.Fr.* 1902, 229.

L.-c. × Madame Marguerite Fournier, *Dict. Ic. O. L.-c.* **hyb. t. 21**; *Rev. H.* 1902, 360, **t.**; *ŷ.S.H.Fr.* 1902, 797.

Cogniaux differs from others in recording *B. Digbyana* as the seed parent.

5. **B.-c. × heatonensis** (*B. Digbyana* × *C. Hardyana*), *G.C.* 1902, ii, 239; *O.R.* 1902, 310.—(Charlesworth) Hye, 1902.

6. **B.-c. × langleyensis** (*B. Digbyana* × *C. Schröderæ* ♀).—Veitch, 1902.

L.-c. × Digbyano-Schröderæ, *G.C.* 1902, i, 219, 235, 239, **f. 75**; *O.R.* 1902, 117.

B.-c. × Schröderæ-Digbyana, *G.C.*, 1903, ii, 326; *O.R.* 1903, 366.

• 7. **B.-c. × Leemannia** (*B. Digbyana* × *C. Dowiana* ♀), *O.R.* 1902, 170; 1903, 57, **f. 15**.—Maron, 1902. [See Fig. 1.]

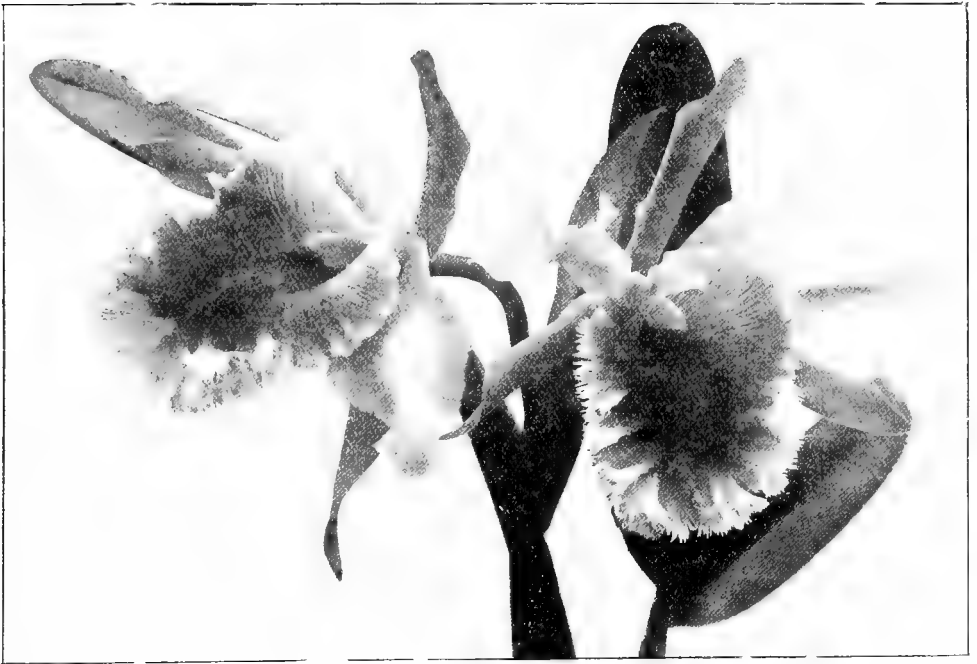


Fig. 1. BRASSOCATTELYA × LEEMANNIA.

L.-c. × Mrs. J. Leemann, *G.C.* 1902, i, 280; *O.R.* 1902, 149; *Rev. H.* 1903, 68, 69, **f. 28**; *G.M.* 1903, 529, **f.**

L.-c. × Mistress J. Leemann, *ŷ.S.H.Fr.* 1902, 798.

8. **B.-c. × Mariae** (*B. Digbyana* × *C. Warneri*), *ŷ.H.* 1902, ii, 535 (*Marisæ*).—Chamberlain, 1902.

L.-c. × Mariae, *G.C.* 1902, ii, 384; *O.R.* 1902, 366.

• 9. **B.-c. × Maronæ** (*B. Digbyana* × *C. Warscewiczii* ♀), *O.R.* 1902, 85.—Maron, 1901. [See Fig. 2.]

L.-c. × Madame Chas. Maron, *ŷ.S.H.Fr.* 1901, 1667; *G.C.* 1901, ii, 250; *O.R.* 1901, 317, 350.

L.-c. × Maronæ, *O.R.* 1901, 329, f. 48.

B.-c. × Madame Charles Maron, *ŷ.S.H.Fr.* 1903, 650.—Garden.

• 10. **B.-c. × Maroni** (B. Digbyana × C. Mendelii ♀), *O.R.* 1902, 84, 129, 130.—Maron, 1899.

L.-c. × Imperatrice de Russie, *G.C.* 1899, i. 174; *O.R.* 1899, 127; *Rev. H.* 1900, 296, 516, t.; *ŷard* 1901, 120, t.; *Dict. Ic. O. L.-c. hyb.* t. 18.

L.-c. × Empress of Russia, *G.C.* 1900, i. 175; *O.R.* 1900, 109.

L.-c. × Digbyano-Mendelii, *G.C.* 1901, i. 306; ii. 204, 207, f. 63 (Veitch's



Fig. 2. BRASSOCATTELEYA × MARONÆ.

var.); *O.R.* 1901, 181, 182, 285, 365; *ŷ.H.* 1901, ii. 237, 239, f. (Veitch's var.); *G.M.* 1901, 594, 597, f. (Veitch's var.).

B.-c. × Empress of Russia, *O.R.* 1903, 215.

Brassavola-cattleya × Empress of Russia, *G.C.* 1903, i. 367.—Sander.

11. **B.-c. × Milton** (B. glauca × C. Lueddemanniana ♀).—Holford, 1903.

L.-c. × Milton, *G.C.* 1903, ii. 309; *O.R.* 1903, 340.

12. **B.-c. × nivalis** (B. fragrans ♀ × C. intermedia).—*ŷ.S.H.Fr.* 1900, 54; 1901, 371; *G.C.* 1901, i. 306; *O.R.* 1901, 182; 1902, 85; *ŷ.H.* 1905, i. 484, 485, f. —Maron, 1900.

B.-c. × (Brassavola glauca × Cattleya intermedia), *ŷ.S.H.Fr.* 1900, 670.—Maron.

The record "*Brassavola glauca*" evidently arose through some mistake.

13. **B.-c.** × **Orpheus** (*B. glauca* ♀ *C. Trianae alba*) *O. R.*, 1902, 85.—Veitch, 1902.

L.-c. × **Orpheus**. *G. C.* 1902, i. 50; *O. R.* 1902, 51; *G. M.* 1902, 42.

14. **B.-c.** × **Pocahontas** (*B. Digbyana* × *C. Eldorado* ♀), *O. R.* 1903, 174.—Chamberlain, 1903.

15. **B.-c.** × **Sanderi** (*B. glauca* × *C. Schroederæ* ♀), *O. R.* 1905, 23, 49, f. 12.—Sander, 1903. [See Fig. 3.]

L.-c. × (unnamed) *G. C.* 1903, ii. 113.

16. **B.-c.** × **Sedeni** (*B. Digbyana* × *C. Trianae* ♀), *O. R.* 1902, 84.—Veitch 1897.

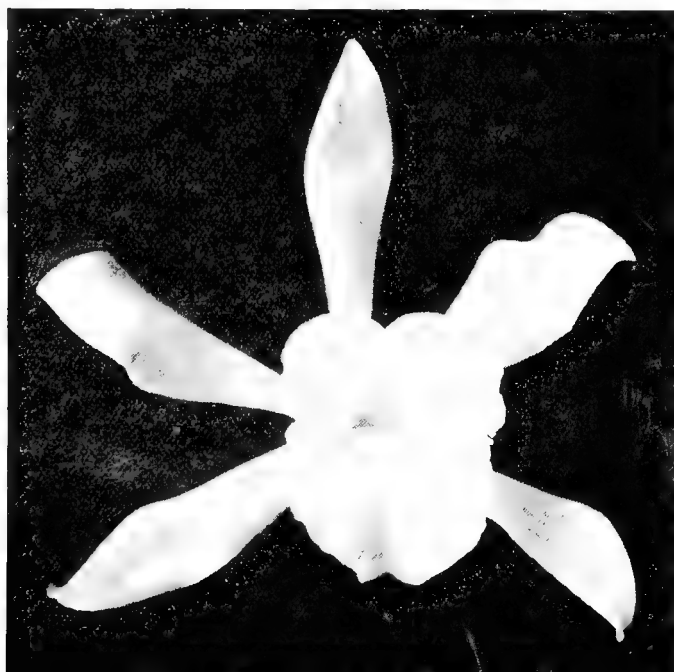


Fig. 3. BRASSOCATTELEYA × SANDERI.

“ L.-c. × *Digbyana-Trianae*, *G. C.*, 1897, i. 261; *O. R.* 1897, 132, 157; *G. M.* 1897, 254, 255, f.; *ŷ. H.* 1897, ii. 244, 245, f. 34.

17. **B.-c.** × **striata** (*B. fragrans* × *C. Mossiae* ♀), *G. C.* 1903, May 30, suppl. 1, 2; *O. R.* 1903, 184; *Rev. H.* 1903, 276, 277; *ŷ. S. H. Fr.* 1903, 530.—(Maron) Charlesworth, 1903.

“ 18. **B.-c.** × **Thorntoni** (*B. Digbyana* × *C. Gaskelliana* ♀), *O. R.* 1902, 84; *Wien. Ill. Gart.-Zeit.* 1904, 304, 307, f.—Thornton, 1897.

“ L.-c. × **Thorntoni**, *O. R.* 1897, 339; 1898, 159; 1902, 367; *G. C.*, 1898, i. 270; *ŷ. H.* 1898, i. 390, 391, f. 74; *G. M.* 1898, 297, 298, f.

19. **B.-c.** × **Veitchii** (*B. Digbyana* × *C. Mossiæ* ♀), *O. R.* 1902, 83.—Veitch, 1889.

*Lælia* × *Digbyano-Mossiæ*, *G. C.* 1889, i. 630, 657, 658, f. 111; *Orchidoph.* 1889, 175, 176, f.; *G. II.* 1896, 598, f.

*L.-c.* × *Digbyano-Mossiæ*, *G. C.* 1889, i. 742; *O. A. x. t.* 449; *O. R.* 1893, 260; *Dict. Ic. O. L.-c. hyb.* t. 31 (v. *splendens*).

The first of the series of hybrids from *Brassavola Digbyana*.

## 7. BRASSOLÆLIA.

A genus established to contain the hybrids between *Brassavola* and *Lælia*.

1. **B.-l.** × **Bouletii** (*B. glauca* × *L. harpophylla* ♀.)—Maron, 1903.

*B.-l.* × Eugène Boulet, *ŷ.S.H.Fr.* 1903, 766; *ŷard.* 1903, 384.

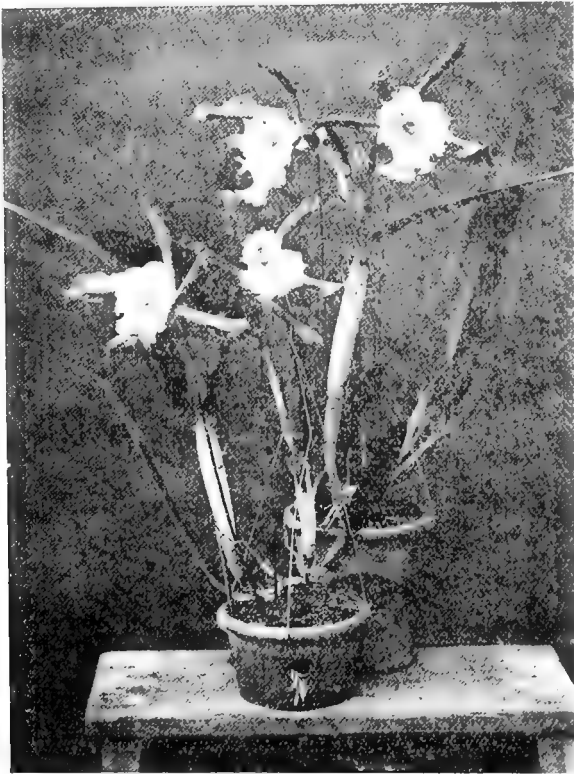


Fig. 4. BRASSOLÆLIA × HELEN.

2. **B.-l.** × **Clio** (*B. glauca* × *L. cinnabarina* ♀), *O.R.* 1902, 86.—Veitch, 1902.

*Lælia* × *Clio*, *G.C.*, 1902, i. 50; *O.R.*, 1902, 51.

3. **B.-l.** × **Gratrixiæ** (*B. Digbyana* × *L. cinnabarina* ♀), *O.R.* 1902, 85.—Veitch, 1899.

L. × Mrs. Gratrix, *G.C.* 1899, ii. 334; 1900, ii. 466 (v. *grandis*); 1901, Jan. 5, Suppl. 11, f. 5 (v. *grandis*); *O.R.* 1899, 349 (L.-c.), 351; *ŷ.H.* 1899, ii. 377, f. 71; *G.M.* 1899, 748, f.; 1901, 6, f. (v. *grandis*).

L. × *Gratrixiæ*, *Dict. Ic.O.* *Lælia* hyb. t. 10.

• 4. **B.-l.** × **Helen** (B. *Digbyana* × *L. tenebrosa* ♀), *ŷard.* 1902, 149, f. 70; *O.R.* 1902, 169, f. 19; 1903, 185.—Maron, 1902. [See Fig. 4.]

• L. × *Helen*, *G.C.* 1902, May 31, Suppl. 2; 1903, ii. 417, f. 165; *O.R.* 1902, 174; *Gard.* 1903, ii. 303, f.

• L. *Digbyana Helen*, *ŷ.S.H.Fr.* 1902, 461.

L. × *Hebe*, *G.C.* 1902, i. 380.—Maron.

L.-c. × *Helène*, *ŷ.S.H.Fr.* 1902, 510.

5. **B.-l.** × **Rolfei** (B. *Digbyana* × *L. crispa* ♀), *O.R.* 1903, 135.—(Charlesworth) Chamberlain, 1903.

• 6. **B.-l.** × **Veitchii** (B. *Digbyana* × *L. purpurata* ♀) *O. R.* 1902, 85; 1903, 185; Veitch, 1898.

• L. × *Digbyano-purpurata*, *G. C.*, 1898, ii. 446; *O. R.* 1899, 31.

• L. × *Edward VII.*, *G. C.* 1902, i. 413, suppl. f.

B.-l. × *purpurato-Digbyana*, *G. C.* 1903, i. 223; *O. R.* 1903, 154.—Charlesworth.

## 8. CALANTHE.

1. **C.** × **albata** (× *Sedenii* × *veratrifolia* ♀), *G. C.* 1896, ii. 602; *O. R.* 1896, 376; 1897, 10; 1899, 322.—Sander, 1896.

C. × *Novelty*, *G. C.* 1897, i. 16.

A remarkable hybrid between the deciduous and evergreen sections of the genus.

2. **C.** × **atrorubens** (× *Darblayana* ♀ × *Ruby*), *G. C.* 1900, i. 30; *O. R.* 1900, 58.—Cookson, 1900.

The form of the seed parent used was the one known as C. × *William Murray*.

3. **C.** × **Aurora** (*Regnieri* ♀ × *rosea*), *V. Man. O.* vi. 73.—Winn, 1889.

C. × (unnamed) *G. C.* 1890, i. 73.

4. **C.** × **Barberiana** (*Turneri* ♀ × *vestita*), *G. C.* 1881, i. 135; *O. R.* 1893, 70.—Barber, 1881.

C. × *casta*, *V. Man. O.* vi. 73.—Lawrence.

C. × *Exquisite*, *G. C.* 1894, ii. 670; *O. R.* 1895, 29.—Cowper.

5. **C.** × **bella** (*Turneri* ♀ × *Veitchii*), *G.C.* 1881, i. 234; *Reichenb.*, ser. 2, ii. 31, t. 63, f. 2; *V. Man. O.* vi. 73; *O.R.* 1893, 71.—Veitch, 1881.

C. × *Oweniana*, *O.R.* 1893, 32.—Williams.

C. *vestita Oweniana*, *O.A.* x. t. 464.

C. × *Mylesii*, *G.C.* 1893, ii. 692; *O.R.* 1894, 30; *O. A.* ix. t. 402; *Lind.* xvi. t. 759.—Williams.

C. × *Harrisii*, *G.C.* 1895, ii. 721; *O.R.* 1896, 32; 1898, 16; *G.M.* 1898, 49, f.—Harris.

C. × Phoebe, *Sand. O. Guide*, 258.

**6. C. × Darblayana** (Regnieri × vestita ♀), *ŷ.S.H.Fr.* 1888, 635, 725; *Orchidoph.* 1889, 178, t. —Darblay, 1888.

C. × excellens (Regnieri ♀), *G.C.*, 1891, i. 87.—Veitch, 1888.

C. × Bryan, *O.R.* 1894, 62.—Cookson.

C. × William Murray, *O.R.* 1894, 62 - Cookson.

Messrs. Veitch's hybrid flowered as early as January, 1888, as shown by a flower preserved at Kew, but it was not named and recorded till afterwards.

**7. C. × Dominyi** (furcata × Masuca ♀), *G.C.* 1858, 4; *B.M.* t. 5042; *V. Man. O.* vi. 76; *O.R.* 1893, 3; 1902, 294; *Dict. Ic. O. Cal. hyb.* t. 2; *Day O. Draw.* lii. t. 81.—Veitch, 1856.

The earliest hybrid Orchid raised by hand.

**8. C. × Elwesii** (Regnieri × veratrifolia).—Elwes, 1903.

*Calanthe* × (unnamed), *G.C.* 1903, ii. 310; *O.R.* 1903, 341.

A hybrid between the deciduous and evergreen sections of the genus.

**9. C. × Florence** (× bella ♀ × Veitchii), *O.R.* 1894, 62.—Cowper, 1897.

**10. C. × gigas** (grandiflora × Regnieri), *G.C.* 1893, i. 80; *O.R.* 1893, 61, 86; *ŷ.H.* 1893, i. 129, f. 24; *Gard.* 1893, ii. 236, t. 926.—Veitch, 1893.

C. × Baron Schröder, *G.C.* 1894, i. 210; *O.R.* 1894, 95; *ŷ.H.* 1894, i. 163, f. 25; *G.M.* 1897, 240, 241, f.—Veitch.

One of the most vigorous of *Calanthe* hybrids.

**11. C. × Harryana** (Masuca × tricarinata ♀).—Veitch, 1895.

C. × Masuco-tricarinata, *G.C.* 1895, ii. 210; *O.R.* 1895, 96.

**12. C. × Lauchiana** (Sanderiana × veratrifolia ♀), *G.C.* 1894, ii. 194; *O.R.* 1894, 288.—Sander, 1894.

C. × Eclipse (Sanderiana ♀), *G.C.* 1897, ii. 243; *O.R.* 1897, 317.—H. H. Bolton.

“C. Regnieri Sanderiana,” cited in the last-mentioned work, is believed to be a mistake. C. Sanderiana, Rolfe (*G.C.* 1892, ii. 396) is an East African species.

**13. C. × lentiginosa** (labrosa ♀ × Veitchii), *G. C.* 1883, i. 44; *V. Man. O.* vi. 74, f.; *O. R.* 1893, 100.—Veitch, 1883.

**14. C. × porphyrea** (labrosa × vestita ♀), *G. C.* 1884, i. 76; *V. Man. O.* vi. 74; *O. R.* 1893, 101.—Lawrence, 1884.

**15. C. × Rollissoni** (Masuca × veratrifolia ♀), *Haus. O. Hyb.* 82; *O. R.*, 1902, 294.—Rollisson, date uncertain.

C. × Mylami, *Day O. Draw.* lii. t. 71.

One of the early hybrids whose history is very imperfectly recorded.

**16. C × Ruby** (× Sedenii × vestita).—Cookson, 1898.

C. × Oakwood Ruby, *G. C.* 1899, i. 77; 1903, i. 125, 158; *O. R.* 1899, 92; 1901, 52; 1903, 83, 86, 116, 158.

C. × Sibly, *G. C.* 1903, i. 125, 158; *O. R.* 1903, 83, 86, 116, 158.

The parentage of this hybrid is rather complex. It is described as C. × Sedenii Oakwood var. (vestita rubro-oculata × rosea) twice recrossed with C.



vestita rubro-oculata, and the progeny again seeded from for several years, the darkest form being selected on each occasion. A white form (*C.* × *Sibyl*) is said to have come out of the same capsule as the deep rose one.

17. *C.* × *Sedenii* (× *Veitchii* ♀ × *vestita*), *G.C.* 1878, i. 168; *V. Man. O.* vi. 75; *O.R.* 1893, 68.—Veitch, 1878.

*C.* × *Alexandri*, *G.C.* 1885, ii. 566; *O.R.* 1903, 116.—Cookson.

*C.* × *Hallii*, *G.C.* 1887, ii. 596; *V. Man. O.* vi. 74. —Hall.

*C.* × *Cooksoni*, *G.C.* 1885, ii. 566; *O.R.* 1903, 116. —Cookson.

*C.* × *Eyeranii*, *Gard. & For.* 1891, 16, 17, f. 3.—Lorillard.

*C. vestita* var. *Cornelius Vanderbilt*, *G.C.* 1893, i. 322.—Vanderbilt.

18. *C.* × *splendens* (× *Darblayana* × *rosea* ♀), *G.C.* 1898, i. 106; *O.R.* 1898, 94.—Cookson, 1898.

The form of the pollen parent used was *C.* × *Bryan*.

19. *C.* × *Veitchii* (*rosea* ♀ × *vestita*), *G.C.* 1859, 1016; *B. Mag.* t. 5375; *Gtfl.* 1873, 65, t. 751, f. 1-4; *Fl. Mag.* 1866, t. 280; *O. A.* i. t. 31; *Gard.* 1887, ii. 12, t. 604; *Lind.* v. t. 217; *V. Man. O.* vi. 75, 76, f.; *O.R.* 1893, 4; *Y.H.* 1902, i. 161, f.; *Dict. Ic. O. Cal. hyb.* t. 1 (and several other figures).—Veitch, 1859.

*C.* × *Sandhurstiana*, *G.C.* 1881, i. 395; *O.R.* 1893, 71.—Gosse.

*C.* × *burfordiensis*, *Gard.* 1892, ii. 398, t. 855, f.; *Reichenb.* ser. 2, ii. 31, t. 63, f. 3. —Lawrence.

*C.* × *sanguinaria*, *G.C.* 1886, i. 331; *O.R.* 1893, 132.—Lawrence.

*C.* × *versicolor*, *G.C.* 1891, ii. 712; *Gard.* 1892, i. 399, t. 855, f. —Lawrence.

Var. *alba*, *G.C.* 1889, i. 132. —Strickland. A very distinct, pure white variety.

*C.* × *Veitchii* has also been found as a wild plant, by Mr. Boxall, and flowered with Messrs. Hugh Low & Co. in 1893 (*O.R.* 1894, 19). The parentage of *C.* × *versicolor* was not recorded, but it is referred to *C.* × *Veitchii* as a variety in the R.H.S. List of Awards. The record of *C.* × *burfordiensis* requires confirmation, for it has been suggested that it is a form of *C.* × *Sedenii*.

20. *C.* × *Victoria-Regina* (*rosea* ♀ × *Veitchii*), *Reichenb.*, ser. 2, ii. 31, t. 63, f. 1, *G. C.* 1893, ii. 692; *O. R.* 1894, 29.—Lawrence, 1890.

*C.* × *rosea*, *G. C.* 1890, i. 43; *Gard.* 1892, i. 399, t. 855, f. (not of Lindl.).

*C.* × *Limatodes*, *G. C.* 1900, i. 30; *O. R.* 1900, 57.

The original name of *C.* × *rosea* was changed to prevent confusion with the species, *C. rosea*, Benth., formerly known as *Limatodes rosea*, Lindl., which was one of the parents.

21. *C.* × *Winnii* (*Regnieri* ♀ × *Veitchii*).—Winn. 1889.

*C.* × (unnamed), *G.C.* 1890, i. 73.

A handsome hybrid, rather variable in colour, of which six different forms are preserved at Kew.

## 9. CATTLEYA.

1. *C.* × *Adela* (*Percivaliana* × *Trianæ* ♀), *G. C.* 1898, ii. 14; *O.R.* 1898, 223.—Veitch, 1898.

\* **2. C.** × **Adonis** (Mossiæ ♀ × Warscewiczii), *G. C.* 1897, ii. 316; *O.R.* 1897, 350; *ŷ.S.H. Fr.* 1899, 46.—Mrs. Briggs-Bury, 1897.

\* *C.* × *Enid*, *G.C.* 1898, ii. 92; 1903, i. 174; *O.R.* 1898, 255; 1903, 115; *ŷ.H.* 1903, i. 265, f.; *Gard.* 1903, i. 215, f.; *Dict. Ic. O. Cat. hyb. t.* 23.—Veitch.

, **3. C.** × **Albertiana** (Loddigesii ♀ × Trianæ).—Vincke, 1900.

*C.* × *Prince Albert*, *Chron. O.* 1901, 331.

**4. C.** × **Apollo** (Aclandiæ × Mossiæ ♀), *G.C.* 1896, ii. 471; *O.R.* 1896, 348.—Veitch, 1890.

*C.* × *Dortoly* (Aclandiæ ♀), *R.H.* 1903, 507; *ŷard.* 1903, 336; *ŷ. S. H. Fr.* 1903, 649.—Maron.

First flowered in December, 1890, as proved by a flower preserved at Kew.

**5. C.** × **Ariel** (Bowringiana ♀ × Gaskelliana), *G.C.* 1898, ii. 446; *O.R.* 1899, 31; 1903, 335.—Veitch, 1898.

**6. C.** × **armainvillierensis** (Mendelii ♀ × Warscewiczii) *ŷ. S. H. Fr.* 1896, 699; *G.C.* 1900, ii. 176; *O.R.* 1900, 285.—Baron E. Rothschild, 1896.

**7. C.** × **Arthuriana** (Dormaniana ♀ × luteola), *G.C.* 1894, i. 102; *O.R.* 1894, 143.—Dorman, 1894.

**9. C.** × **Astræa** (Loddigesii × Skinneri ♀), *ŷard.* 1897, 309; *ŷ. S. H. Fr.* 1897, 933; *O.R.* 1897, 359.—Maron, 1897.

\* **10. C.** × **Atalanta** (Leopoldi ♀ × Warscewiczii), *G.C.* 1894, ii. 194; 1899, ii. 182; *O.R.* 1894, 275, 287; 1896, 256; *Dict. Ic. O. Cat. hyb. t.* 11 (v. *inversa*), 11A (v. *splendens*); *ŷ.H.* 1903, ii. 189, f. (v. *superba*).—Veitch, 1894.

**11 C.** × **aurantimedia** (aurantiaca × intermedia ♀), *Sand. O. Guide*, 333.—Thayer, 1902.

*Epicattleya* × *auranti-media*, *Amer. G.* 1902, 483.

\* **12. C.** × **Aurora** (Dowiana × luteola).—R. H. Measures, 1902.

*C.* × *Golden Dawn*.—*Gard.* 1903, i. 11.

**13. C.** × **Bactia** (Bowringiana ♀ × Leopoldi), *G.C.* 1901, ii. 330; *O.R.* 1901, 350.—Veitch, 1901.

**14. C.** × **Ballantiniana** (Trianæ ♀ × Warscewiczii), *G. C.* 1889, i. 264; *Reichenb.* ser. 1, ii. 95, t. 91; *O.R.* 1893, 260.—Sander, 1889.

**15. C.** × **Barbara** (Bowringiana ♀ × Trianæ), *G.C.* 1902, ii. 445; *O.R.* 1903, 23.—Leon, 1902.

**16. C.** × **belairensis** (intermedia ♀ × Skinneri).—Mantin, 1897.

*C.* × *intermedio-Skinneri*, *ŷ. S. H. Fr.* 1897, 609.

**17. C.** × **Bertheauana** (intermedia × Schilleriana ♀) —Duval, 1900.

*C.* × (unnamed), *ŷ. S. H. Fr.* 1900, 391.—Duval.

*C.* × *Bertheauana* (intermedia ♀), *ŷ. S. H. Fr.* 1903, 284; *Rev. H.* 1903, 269; *ŷard.* 1903, 160.—Doin.

**18. C.** × **Bleui** (Aclandiæ × granulosa).—Bleu, 1900.

*C.* × *memoria-Bleui*, *Lind.* xvi. t. 764.

**19. C.** × **Brabantia** (Aclandiæ × Loddigesii ♀), *Fl. M.* 1867, t. 360; *O.R.* 1893, 5; 1903, 335; *Day O. Draw.* xlvi. t. 1.—Veitch, 1863

*C.* × *Aclandi-Loddigesii*, *G.C.* 1863, 602.

*C.* × *hybrida*, *G.C.* 1863, 602.

20. *C.* × **Breauteana** (*Loddigesii* ♀ × *superba*), *Jard.* 1897, 310; *J.S.H. Fr.* 1897, 934; *O.R.* 1897, 360; 1899, 63; *G.C.* 1899, i. 31.—Maron, 1897.

*C.* × *Alberta*, *Nich. Dict.* 1900 Suppl. 208.—Van Imschoot.

*C.* × *Lord Marsham*, *Nich. Dict.* 1900 Suppl. 209.—Charlesworth.

21. *C.* × **Browniæ** (*Bowringiana* × *Harrisoniana* ♀), *O.R.* 1894, 334, 351; 1901, 350; *J.H.* 1901, ii. 437, f. (Veitch's var.), *Rev. H.* 1895, 63.—Sander, 1904.

*C.* × *Brownii*, *G.C.* 1894, ii. 447.

The name was changed because of a species previously called *C. Brownii* (Rolfe in *Kew Bull.* 1894, 156).

22. *C.* × **brunoyensis** (*intermedia* ♀ × *Percivaliana*).—Maron, 1900.

*C.* × *intermedio Percivaliana*, *Nich. Dict.* 1900 Suppl. 209.

23. *C.* × **Burberryana** (× *intricata* ♀ × *superba*), *G.C.* 1892, i. 535; *O.R.* 1893, 357.—Sander, 1892.

“*C. imbricata*,” originally described as one parent, is believed to be a mistake for *C. intricata*, the natural hybrid between *C. Leopoldi* and *C. intermedia*.

24. *C.* × **calummata** (*Aclandiæ* × *intermedia* ♀), *Rev. H.* 1881, 347 (unnamed); 1883, 564, t.; *O. A.* iv. t. 166; *G.C.* 1886, ii. 525, f. 104; *Gtfl.* 1887, 88, f. 31; *O.R.* 1893, 99; *Lind.* xvi. t. 749 (v. Grignani); *Day O. Draw.* xliii. t. 55, 56.—Bleu, 1881.

25. *C.* × **Cappei** (*Schrœderæ* × *Trianæ*).—Cappe, 1902.

*C.* × (unnamed), *J.S.H.Fr.* 1902, 229.

26. *C.* × **Cecilæ** (*Lawrenceana* ♀ × *Trianæ*), *G.C.* 1895, ii. 588; *O.R.* 1895, 375; *Dict. Ic. O. Cat. hyb.* t. 9 (v. *elata*).—Ingram, 1895.

*C.* × *elata* (*Trianæ* ♀) *G.C.* 1897, i. 177; *O.R.* 1897, 123.—Ingram.

*C.* × *Louis Chaton*, *Rev. H.* 1898, 136; *G.C.* 1898, i. 252; *O.R.* 1898, 141; *J. S. H. Fr.* 1899, 272.—Maron.

27. *C.* × **Chamberlainiana** (*Dowiana* × *Leopoldi* ♀); *G.C.* 1881, ii. 427; *O.R.* 1893, 71; *Dict. Ic. O. Cat. hyb.* t. 17; *Day O. Draw.* xxxvii. t. 11.—Veitch, 1881.

*C.* × *Victor Hugo*, *J. S. H. Fr.* 1900, 592; 1901, 906.—Maron.

28. *C.* × **Chapmanii** (*Bowringiana* × *Warneri* ♀).—R. I. Measures, 1900.

*C.* × *Warnero-Bowringiana*, *G.C.* 1900, ii. 137; *O.R.* 1900, 284.

29. *C.* × **Charlesworthii** (*Bowringiana* ♀ × *superba*).—Charlesworth, 1902.

*C.* × *Bowringiano-superba*, *G.C.* 1902, ii. 313; *O.R.* 1902, 341.

30. *C.* × **Chesnelliæ** (*bicolor* ♀ × *Bowringiana*), *J. S. H. Fr.* 1897, 954.—Mantin, 1897.

*C.* × *Chloe* (*Bowringiana* ♀), *G.C.* 1899, ii. 267; *O.R.* 1899, 319; 1900, 315.—Veitch.

31. *C.* × **Chloris** (*Bowringiana* ♀ × *maxima*), *G.C.* 1893, ii. 470, 525, f. 88; *O.R.* 1893, 339.—Veitch, 1893.

32. *C.* × **Claesiana** (*intermedia* ♀ × *Loddigesii*), *O.R.* 1899, 72; 1900, 151.—Mead, 1899.

First appeared as a supposed natural hybrid between the species named, flowering in 1894 (see *O.R.* 1899, 72).

**33. C. × Claridiana** (intermedia × Lueddemanniana ♀), *Amer. G.* 1899, 367, f. 90 (right-hand figure), 788.—Lager & Hurrell, 1899.

**34. C. × Clarissa** (Loddigesi ♀ × Mendelii), *O.R.* 1903, 26.—Chamberlain, 1902.

**35. C. × Clarkiæ** (bicolor ♀ × labiata), *O.R.* 1901, 15.—(Charlesworth) Clark, 1900.

**36. C. × Claudian** (Lueddemanniana ♀ × Schilleriana), *O.R.* 1903, 175.—(Charlesworth) Chamberlain, 1902.

C. × Ceres, *G.C.* 1903, ii. 142; *O.R.* 1903, 269.—Charlesworth.

**37. C. × Clementinæ** (Aclandiæ × Dowiana).—King of Belgium, 1902.

C. × Princesse Clémentine, *Rev. H. Belge*, 1902, 23.

**38. C. × Clymene** (Rex × Warscewiczii ♀), *O.R.* 1901, 302; *Lind.* xvi, t. 761.—Linden, 1901.

**39. C. × Clytie** (Bowringiana ♀ × velutina), *G.C.* 1901, ii. 297; *O.R.* 1901, 349.—Miller, 1900.

C. × Bowringiano-velutina, *G.C.*, 1900, ii. 251; *O.R.* 1900, 315, 346.

**40. C. × Comet** (Dowiana × Warneri ♀), *G.C.* 1903, ii. 142; *O.R.* 1903, 268, 365.—Bradshaw, 1903.

**41. C. × Cyane** (Leopoldi × Mossiæ ♀), *Gard.* 1903, ii. 210.—Veitch, 1903.

**42. C. × Cybele** (Gaskelliana ♀ × Lueddemanniana), *G.C.* 1902, i. 18; *O.R.* 1902, 35, 36.—Veitch, 1901.

**43. C. × Dallemagneæ** (granulosa ♀ × Mossiæ).—Dallemagne, 1900.

C. × memoria Dallemagneæ, *ŷ. S. H. Fr.* 1900, 567; 1901, 849.

**44. C. × Daphne** (Harrisoniana × Schilleriana).—Duval, 1901.

C. × Schilleriano-Harrisoniæ, *ŷ. S. H. Fr.* 1901, 599.—Duval.

**45. C. × Doinii** (Dormaniana ♀ × Dowiana).—Doin, 1902.

Lælio-cattleya × Dormaniano-aurea, *Rev. H.* 1902, 494; 1903, 507; *ŷ. S. H. Fr.* 1902, 684.

**46. C. × Dominiana** (intermedia × maxima ♀), *G.C.* 1859, 948; *Fl. Mag.* 1867, t. 337 (v. alba); *O.R.* 1893, 4; *V. Man. O.* ii. 90; *Day. O. Draw.* ii. t. 37; viii. t. 39 (v. lutea).—Veitch, 1859.

C. × Pheidona (intermedia ♀), *G.C.* 1893, ii. 470 (Pheidinæ); *O.R.* 1893, 352, 363.—Veitch.

The second hybrid *Cattleya* raised by hand.

**47. C. × Doris** (Gaskelliana × Leopoldi).—R. H. Measures, 1903.

C. × (unnamed), *Gard.* 1903, ii. 168.

**48. C. × Eclipse** (maxima ♀ × Skinneri), *G.C.* 1896, ii. 471; *O.R.* 1896, 347.—Ingram, 1896.

**49. C. × Edwardi** (Schilleriana ♀ × Warscewiczii).—Sander, 1902.

C. × Prince Edward, *G.C.* 1902, i. 442; *O.R.* 1902, 213.—Wigan.

C. × Schilleriano-gigas, *ŷ. S. H. Fr.* 1902, 500; *Rev. H.* 1902, 371.—Dallemagne.

- 50. C. × Ella** (bicolor ♀ × Warscewiczii), *G.C.* 1898, ii. 202; *O.R.* 1898, 317; *ŷ.S.H. Fr.* 1901, 907; *Dict. Ic. O. Cat. hyb.*, t. 13.—Veitch, 1898.
- 51. C. × Elvina** (Schilleriana × Trianæ ♀), *G.C.* 1896, ii. 534; *O.R.* 1896, 351; 1903, 344.—Veitch, 1896.
- C. × Schilleriano-Trianæ (Schilleriana ♀), *ŷ. S. H. Fr.* 1898, 777.—Mantin.
- C. Dione, *Sand. O. Guide*, 333.
- 52. C. × Eros** (Mossiaë ♀ × Walkeriana), *G.C.* 1895, ii. 192; *O.R.* 1895, 259, 287.—Veitch, 1895.
- 53. C. × Eurydice** (Aclandiaë × labiata ♀), *G.C.* 1895, ii. 527; *O.R.* 1895, 374.—Veitch, 1895.
- 54. C. × exquisita** (luteola ♀ × Parthenia), *G.C.* 1903, ii. 181; *O.R.* 1903, 307.—Sander, 1903.
- \* **55. C. × Fabia** (Dowiana × labiata ♀), *G.C.* 1894, ii. 604; *O.R.* 1894, 375; 1902, 367; *ŷ.H.* 1897, ii. 499, f. 74; *ŷ.S.H. Fr.* 1900, 118; *Dict. Ic. O. Cat. hyb. t.* 24 (v. Vigeriana).—Veitch, 1894.
- C. × Lansbergei, *Lind.* xvi. t. 725.
- C. × Vigeri, *ŷ. S. H. Fr.* 1901, 1062.—Maron.
- \* C. × Vigeriana, *ŷ. S. H. Fr.* 1902, 777; *Gard.* 1902, ii. 372.—Maron.
- 56. C. × Fabiola** (Bowringiana ♀ × Harrisii), *G.C.* 1896, ii. 601; *O.R.* 1896, 375.—Veitch, 1896.
- 57. C. × Faerie-Queene** (Mossiaë × Rex), *G.C.* 1903, ii. 35.—Pitt, 1903.
- 58. C. × Fascelis** (Aclandiaë × bicolor ♀), *G.C.* 1900, ii. 346; *O.R.* 1900, 371.—Veitch, 1900.
- \* **59. C. × Fernandi** (Aclandiaë ♀ × Warscewiczii).—Maron. 1897.
- \* C. × Fernand Denis, *Rev. H.* 1897, 255; *ŷ. S. H. Fr.* 1897, 933; *O. R.* 1897, 359; 1898, 189; *G. M.* 1898, 339, 340, f.
- 60. C. × Feuillatii** (Leopoldi ♀ × superba), *ŷard.* 1897, 309; *O. R.* 1897, 360; *ŷ. S. H. Fr.* 1897, 933; 1899, 486; *Rev. H.* 1897, 504.—Maron, 1897.
- 61. C. × Firebrand** (Lawrenceana × Schilleriana ♀), *G. C.* 1899, ii. 58; *O. R.* 1899, 253.—Ingram, 1899.
- 62. C. × Firefly** (Bowringiana × Dormaniana ♀), *O.R.* 1896, 347; 1903, 339; *G.C.* 1902, ii. 272.—Ingram, 1896.
- Lælio-cattleya × Firefly, *G.C.* 1896, ii. 471.
- 63. C. × flavescens** (luteola × Trianæ ♀), *ŷ. S. H. Fr.* 1899, 47.—*Dict. Ic. O. Cat. hyb. t.* 19.—Maron, 1898.
- C. × (unnamed), *ŷ. S. H. Fr.* 1898, 1235 (parents wrongly recorded as “C. xanthina et Trianæ”).
- 64. C. × Fowleri** (× Hardyana × Leopoldi ♀), *G.C.* 1895, ii. 178, 192; *O.R.* 1895, 259, 286; *G.M.* 1895, 526, f.; *Dict. Ic. O. Cat. hyb. t.* 5.—Sander, 1895.
- Lælio-cattleya × Fowleri, *G.C.* 1895, ii. 239, f. 47.
- C. × Magneana, *ŷ. S. H. Fr.* 1902, 631; *ŷard.* 1902, 328, t.; *O.R.* 1902, 376.—Maron.

65. **C. × Frasquita** (bicolor ♀ × velutina), *Rev. H.* 1903, 507; *Jard.* 1903, 336; *ŷ. S. H. Fr.* 1903, 650.—Maron.

*C. × velutino-bicolor*, *ŷ. S. H. Fr.* 1900, 669.—Maron.

\* 66. **C. × Frederickiæ** (Dowiana × Mossiæ ♀) (Veitch, 1888), Schröder, 1890.

† *C. × Mossiæ-Dowiana* Empress Frederick, *G. World*, 1890, 716.



Fig. 5. CATTLEYA × GERMANIA.

“*C. Mossiæ* and *C. Dowiana* Emperor Frederick,” *G. C.* 1890, ii. 51.

† *C. × Empress Frederick*, *G. C.* 1892, i. 816; 1897, ii. 423, 429, f. 127 (var. *Leonata*); *O. R.* 1893, 44.

First flowered in July, 1888, as proved by a flower preserved at Kew.

\* 67. **C. × fulvescens** (*Dowiana × Forbesii*), *G. C.* 1901, ii. 250; *G. M.* 1901, 644, f.; *O. R.* 1904, 368.—Charlesworth, 1901.

*C. × flavescens*, *O. R.* 1901, 299, 303, 317.

68. **C. × Gautheriniana** (*Leopoldi × Schroederæ* ♀), *ŷ. S. H. Fr.* 1899, 940; *G. C.* 1903, ii. 378 (*Gautheriana*); *O. R.* 1903, 338, 339 (*Gauthieriana*).—Duval, 1899.

69. **C. × Geleniana** (bicolor × Lueddemanniana ♀), *Wien. Ill. G. Zeit.* 1901, 111, 112, f. 12 (lower fig.).—Hruby, 1901.

*C. × Leander.* *G.C.* 1902, ii. 105; *O.R.* 1902, 274.—Charlesworth.

*C. Hyades,* *G.M.* 1902, 517.—Charlesworth.

70. **C. × Germania** (granulosa ♀ × Hardyana), *G.C.* 1901, ii. 210; 1902, ii. 239; *O.R.* 1901, 315, 327; 1902, 297, f. 30 (v. burbagensis).—Charlesworth, 1901.

[See Fig. 5]

71. **C. × Gertrude** (Mossiae × superba ♀), *G.C.* 1898, i. 385; *O.R.*, 1898, 220, 223.—Veitch, 1898.

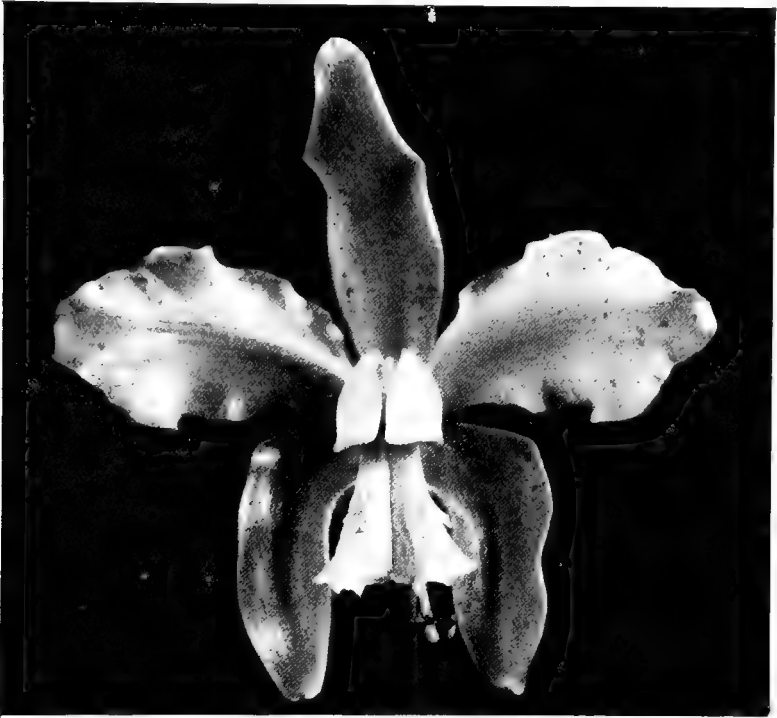


Fig. 6. CATTLEYA × GRANUGLOSSA.

72. **C. × Goossensiana** (Gaskelliana × Schilleriana ♀), *Dict. Ic. O. Cat.* *hyb.* t. 14; *O.R.* 1900, 119.—Peeters, 1900.

*C. × Firmini,* *Rev. H. Belge,* 1902, 238.—Lambeau.

*C. × Bievreana* (Gaskelliana ♀), *G.C.* 1903, ii. 209.—King of Belgium.

*C. × De Bievreana,* *Rev. H. Belge,* 1903, 283.

There appears to be a little doubt about the parentage of *C. × Firmini*.

73. **C. × granuglossa** (amethystoglossa × granulosa ♀), *Amer. Gard.* 1901, 61, f. 16; *O.R.* 1903, 345, f. 51.—Mead, 1901.

[See Fig 6]

The cross was made by Mr. T. L. Mead, Oviedo, Florida, but the seedlings were raised by Mr. E. O. Orpet, S. Lancaster, Mass.

• **74. C. × Gratrixiæ** (*granulosa* × *Harrisoniana* ♀).—Gratrix, 1897.

C. × *Mary Gratrix*, *G.C.* 1897, ii. 169; *O.R.*, 1897, 315; 1901, 287.

C. × *Crashleyi*, *G.C.* 1903, ii. 181; *O.R.* 1903, 307.—Stanley, Ashton & Co.

These two forms appear to be very nearly allied, but it is somewhat doubtful whether *C. Harrisoniana* was the second parent in both cases.

**75. C. × Greavesiæ** (*Gaskelliana* × *Loddigesii* ♀).—Leemann, 1899.

C. × *Mrs. Herbert Greaves*, *G.C.* 1899, ii. 426; *O.R.* 1899, 371; 1901, 349; 1902, 341.

C. × *Mistress Herbert Greaves*, *ŷ. S. H. Fr.* 1901, 997.—Maron.

C. × (unnamed), *O.R.* 1901, 299.

This hybrid should be compared with *C. × Williamsiæ*, as the well-known confusion between *C. Loddigesii* and *C. Harrisoniana* is reflected in its hybrids.

**76. C. × Greyæ** (*granulosa* ♀ × *velutina*), *G.C.* 1900, i. 423; *O.R.* 1900, 214.—Wigan, 1900.

• **77. C. × Halevy** (*Mendelii* ♀ × *Rex*), *ŷ. S. H. Fr.* 1900, 536; *ŷard.* 1900, 251.—Maron, 1900.

• **78. C. × Hardyana** (*Dowiana*-♀ × *Warscewiczii*), *G.C.* 1896, ii. 310; *O.R.* 1896, 292, 298; 1897, 364; *Reichenb. ser. 2*, ii. 15, t. 55; *ŷ.R.H.S.* xxiv. 192, f. 96.—Cookson, 1896.

C. × *Semontiana*, *ŷ. S. H. Fr.* 1902, 400; *Rev. H.* 1902, 302.—Doin.

Originally appeared as a natural hybrid in 1883 (*G.C.* 1885, ii. 206; *O.A.* v. t. 231), and now fairly common in collections.

**79. C. × Harold** (*Gaskelliana* ♀ × *Warscewiczii*), *G.C.* 1893, i. 580; 1898, ii. 14; *O.R.* 1893, 188; 1898, 223.—Cookson, 1893.

• **80. C. × Harrisæ** (*Mossiæ* ♀ × *Schilleriana*), *O.R.* 1901, 226.—Harris, 1887.

C. × *Miss Harris* *G.C.* 1887, ii. 490; 1901, i. 242, 302, suppl. f. (v. E. Ashworth) *O.R.* 1893, 134; 1901, 153 (v. E. Ashworth); *G.M.* 1901, 481, f.

*Catlælia* × *Miss Harris*, *Hans. O. Hyb.* 96.

C. × (unnamed), *ŷ. S. H. Fr.* 1897, 954.—Mantin.

C. × *Mossi-Schilleriana*, *ŷ. S. H. Fr.* 1897, 1344.—Mantin.

C. × *elatior* (*Schilleriana* ♀), *G.C.* 1899, ii. 478; *O.R.* 1900, 28.—Ingram.

C. × *Elisabethæ*, *Lind.* xvi. t. 721.—Linden.

C. × *Vulcain*, *ŷ. S. H. Fr.*, 1901, 1001; *Dict. Ic. O. Cat. hyb.* t. 16.—Dallemagne.

C. × *Mme. Panzani*, *ŷ. S. H. Fr.* 1902, 145, 228, 247.—Maron.

• **81. C. × Harrisii** (*Leopoldi* ♀ × *Mendelii*), *G.C.* 1887, i. 104; *O.R.* 1893, 133; 1897, 34.—Harris, 1887.

C. × (unnamed), *ŷ. S. H. Fr.* 1895, 606.—Baron E. Rothschild.

C. × *Lafontaine* (*Mendelii* ♀), *ŷ. S. H. Fr.* 1899, 271.—Maron.

*C. guttata* is recorded as the pollen parent of the last named, but we believe *C. Leopoldi* is intended.

**82. C. × Heloisæ** (*Forbesii* × *Mossiæ* ♀), *ŷ. S. H. Fr.* 1897, 608.—Mantin, 1897.



- C. × Forbesi-Mossiaë, *ŷ. S. H. Fr.* 1900, 669.—Bleu.
- 83. C. × highburiensis** (Harrisoniana × Mossiaë).—Chamberlain, 1903.  
C. × (unnamed), *G. World*, 1903, i. 383.
- 84. C. × hybrida** (guttata × Loddigesii), *Proc. R. H. S.* ii. 619; *O.R.* 1893 4; 1897, 333; *Day O. Draw.* xviii. t. 15.—Veitch, 1859.  
C. × (unnamed), *G.C.* 1859, 672; *Proc. R. H. S.* i. 70.  
C. × picta, *Proc. R. H. S.* iii. 369.  
C. × hybrida picta, *Proc. R. H. S.* v. 173; *Fl. M.* 1881, t. 473.  
C. × picturata, *G.C.* 1877, ii. 584; *O.R.* 1893, 36; *Amer. G.* 1902, 306, 307, f. 70.

The first hybrid *Cattleya* raised by hand, and one which has subsequently been much confused with allied hybrids.

- 85. C. × Imperator** (granulosa ♀ × labiata), *G.C.* 1903, ii. 340; *O.R.* 1903, 364; *Dict. Ic. O. Cat. hyb.* t. 26.—Peeters, 1902.

First appeared as a natural hybrid, in 1896. See *O.R.* 1897, p. 365, where its history is fully detailed.

- 86. C. × Ingramiaë** (Eldorado ♀ × Dowiana).—Ingram, 1895.  
C. × Lady Ingram, *G.C.* 1895, ii. 588; *O.R.* 1895, 375; 1901, 338, 349.  
C. × Suzannæ, *ŷ. S. H. Fr.* 1900, 670.—Maron.  
C. × Louis Fournier, *ŷ. S. H. Fr.* 1900, 765; 1901, 371.—Maron.
- 87. C. × interglossa** (amethystoglossa × intermedia), *Amer. G.* 1902, 578.—Thayer, 1902.

- 88. C. × intertexta** (Mossiaë ♀ × Warneri), *G.C.* 1897, i. 177; *O.R.* 1897, 124; 1898, 319.—Veitch, 1897.

C. × Grace Moojen, *Sand. O. Guide*, 333.

- 89. C. × intricata** (intermedia × Leopoldi ♀), *O.R.* 1897, p. 169; 1900, 229.—Sander, 1897.

C. × intricata v. Rossii, *O.R.* 1897, 169.

C. × Rossii, *G.C.* 1897, i. 354; *O.R.* 1897, 191.

C. × maculata, *Nich. Dict.* 1900 *Suppl.* 209.—Veitch.

First appeared as a natural hybrid in 1884, when it was described by Reichenbach (*G.C.* 1884, ii. 12), though its parentage was not understood till five years later (*G.C.* 1889, ii. 38).

- 90. C. × Iris** (bicolor ♀ × Dowiana), *G.C.* 1901, ii. 249; 1901, ii. 297, 379; 1902, ii. 238; *O.R.* 1901, 317, 348, 367; 1902, 309, 369, f. 38 (v. oculata), 1903, 330, 343; *G.M.* 1901, 690, f. (v. aureo-marginata); 1902, 639, 651, f.; *ŷ.H.* 1901, ii. 397, f. (v. aureo-marginata); 1905, ii. 320, 321, f. (v. magnifica); *Gard.* 1905, ii. 240, f. (v. His Majesty).—Charlesworth, 1901. [See Fig. 7]

One of the most variable and beautiful *Cattleya* hybrids yet raised.

- 91. C. × Isabella** (Forbesii × intermedia ♀), Bleu, 1878.

C. × (unnamed), *ŷ. S. H. Fr.* 1881, 239; 1889, 311.—Bleu.

C. × n. 1, *Rev. H.* 1881, 306; *Orchidoph.* i. 49.—Bleu.

C. × Krameriana, *O.R.* 1893, 2, 325.—Sander.

C. × Louryana, *G.C.* 1891, i. 683; *O.R.* 1893, 325.—Sander.

*C. × fimbriata*, *Bohnh. Dict. O. Hyb.* 6; *O.R.* 1893, 325; *J. S. H. Fr.* 1897, Suppl. ii. 68.—Bleu.

This has been somewhat confused with *C. × calummata*, owing to a record that *C. Aclandiæ* was one of the parents. It is believed to be identical with *C. × Isabella*, *Rchb. f. (Wochenschr.* 1859, 336), a rare natural hybrid.

92. *C. × Juno* (*Forbesii × velutina*), *G.C.* 1895, ii. 118.—Roebling, 1895.



Fig. 7. CATTLEVA × IRIS.

93. *C. × Jupiter* (*Lawrenceana ♀ × Warscewiczii*), *G.C.* 1896, ii. 471; *O.R.* 1896, 347.—Ingram, 1896.

*C. × Comfrey*, *Nich. Dict.* 1900 *Suppl.* 209.

94. *C. × Jussieu* (*Lawrenceana × Schroederæ*), *G.C.* 1902, i. 380.—Maron, 1902.

95. *C. × Katherinæ* (*Schroederæ × Warneri ♀*), *Amer. G.* 1903, 134; *O.R.* 1903, 175.—Thayer, 1903.

96. *C. × Kienastiana* (*Dowiana × Lueddemanniana ♀*), *G.C.* 1894, ii. 257; 1899, ii. 232; *O.R.* 1894, 318; 1899, 317.—Sander, 1894.

- 97. C. × Knightii** (quadricolor × Percivaliana).—King of Belgium, 1903.  
C. × “Memoriæ Henry Knight,” *Rev. H. Belge*, 1903, 96.
- 98. C. × lamberhurstensis** (citrina × intermedia ♀).—Harris, 1888.  
C. × citrino-intermedia, *G.C.* 1888, i. 73; *O.R.* 1893, 228.
- 99. C. × Lawre-Mossiaë** (Lawrenceana ♀ × Mossiaë), *G.C.* 1896, i. 468; *O.R.* 1896, 157.—Brooman White, 1896.  
C. × Duchesse Elisabeth, *ŷ. S. H. Fr.* 1902, 461.—Maron.  
C. × Grand Duchess Elizabeth, *G.C.* 1902, i. 314; *O.R.* 1902, 182.—Leemann.  
C. × Milton, *G.C.* 1902, i. 380.—Maron.  
C. × Fair Ellen, *Sand. O. Guide*, 330.
- **100. C. × Leda** (Dowiana × Percivaliana ♀), *O.R.* 1901, 53.—Maron, 1900.
- 101. C. × Leoni** (Schroëderæ ♀ × Warscewiczii).—Leon, 1900.  
C. × H. S. Leon, *G.C.* 1900, ii. 384; *O.R.* 1900, 372; *ŷ.H.* 1900, ii. 483, f. 125.
- 102. C. × Leucothoe** (granulosa ♀ × Walkeriana), *Amer. G.* 1902, 513; *O.R.* 1902, 272.—Thayer, 1902.
- 103. C. × Lloydiaë** (Rex × velutina).—R. H. Measures, 1901.  
C. × Kitty Lloyd, *Gard.* 1901, ii. 54.
- 104. C. × Lottie** (Aclandiaë ♀ × Trianaë), *G.C.* 1901, ii. 297; *O.R.* 1901, 349.—Charlesworth, 1901.
- 105. C. × Lucieniana** (Harrisoniana ♀ × Leopoldi).—Sander, 1903.  
C. × (unnamed), *O.R.* 1903, 263.  
C. × Lucieniana originally appeared as a natural hybrid of somewhat doubtful parentage, in the establishment of Messrs. Linden, Brussels (See *G.C.* 1885, ii. 456; *O.R.* 1903, 282). It is only known from description, but the one cited above is suspected to be identical.
- 105.—C. × Macænas** (superba × Warscewiczii ♀), *G.C.* 1896, i. 9; *O.R.* 1900, 319.—Veitch, 1895.  
C. × Euphrasia, *G.C.* 1896, ii. 310; *O.R.* 1896, 297, 320; 1897, 318; 1900, 27.—Veitch.
- 107. C. × Mackayi** (intermedia × Mossiaë).—Chamberlain, 1903.  
C. × (unnamed), *G.W.* 1903, i. 383.
- 108. C. × Mahleræ** (bicolor × Leopoldi).—R. H. Measures, 1901.  
C. × Mrs. Mahler, *Boyle Woodl. O.* 13.
- 109. C. × Manglesii** (Loddigesii × Lueddemanniana), *G.C.* 1880, ii. 556; *O.R.* 1893, 5.—Veitch, 1866.
- **110. C. × Mantinii** (Bowringiana ♀ × Dowiana), *ŷ. S. H. Fr.* 1894, 581; *O. R.* 1894, 365; 1895, 351, 374; 1902, 337, f. 36; *Rev. H.* 1894, 534, 558; 1895, 129, f. 35; 1897, 208, t.; *ŷ. H.* 1895, ii. 503, f. 76; *G.M.* 1896, 82, 83, f.; *Amer. G.* xxi. 744, 745, 747, f. 158, 159; *Lind.* xi, t. 509; *Dict. Ic. O. Cat.* hyb. t. 7.—Mantin, 1894. [See Fig. 8]
- \* C. × epicasta, *Sand. O. Guide*, 258.
- 111. C. × Mariannæ** (dolosa ♀ × Trianaë), *ŷ. S. H. Fr.* 1900, 60; 1901; 371.—Maron, 1900.

112. *C.* × **Maronæ** (Eldorado × *labiata*).—Maron, 1899.

*C.* × (unnamed), *ŷ. S. H. Fr.* 1900, 84.

113. *C.* × **Maroni** (*Dowiana* × *velutina* ♀), *ŷ. S. H. Fr.* 1898, 853; *G. C.* 1898, ii. 326, 332, f. 98; *O.R.* 1898, 336, 351; 1906, 25, f. 4 (Westfield var.); *G.M.* 1898, 718, 719, f.; *ŷ. H.* 1898, ii. 360, 361, f. 62; 1903, i. 287, f.; *Dict. Ic. O. Cat.*



Fig. 8. CATTLEVA × MANTINII.

hyb. t. 10; *ŷard.* 1899, 360, t. (v. *violacea*); *Amer. G.* 1902, 879, f. 180; *Gard.* 1901, ii. 347 (v. *velutissima*).—Maron, 1898. [See Fig. 9]

114. *C.* × **Marriottiæ** (Eldorado ♀ × *Warscewiczii*), *G.C.* 1896, ii. 195; *O.R.* 1896, 286. —Marriott, 1896.

*C.* × *Marriottiana*, *G.C.* 1901, ii. 120; *O.R.* 1901, 283.

115. *C.* × **Mars** (*labiata* ♀ × *Lawrenceana*), *G.C.* 1897, ii. 277; *O.R.* 1897, 349. —Sander, 1897.

116. **C. × Marstersoniæ** (*labiata* × *Loddigesii* ♀), *G.C.* 1878, ii. 556; *O.A.* ix. t. 385; *Veitch. Man. O.* ii. 92; *O.R.* 1893, 68; *Day. O. Draw.* xxx. t. 43.—Veitch, 1878.

*C.* × (unnamed), *ŷ. S. H. Fr.* 1901, 1062.—Bert.

The original record, "a hybrid between another seedling in the way of *C. Loddigesii* and of *C. labiata*," is not borne out by later statements.

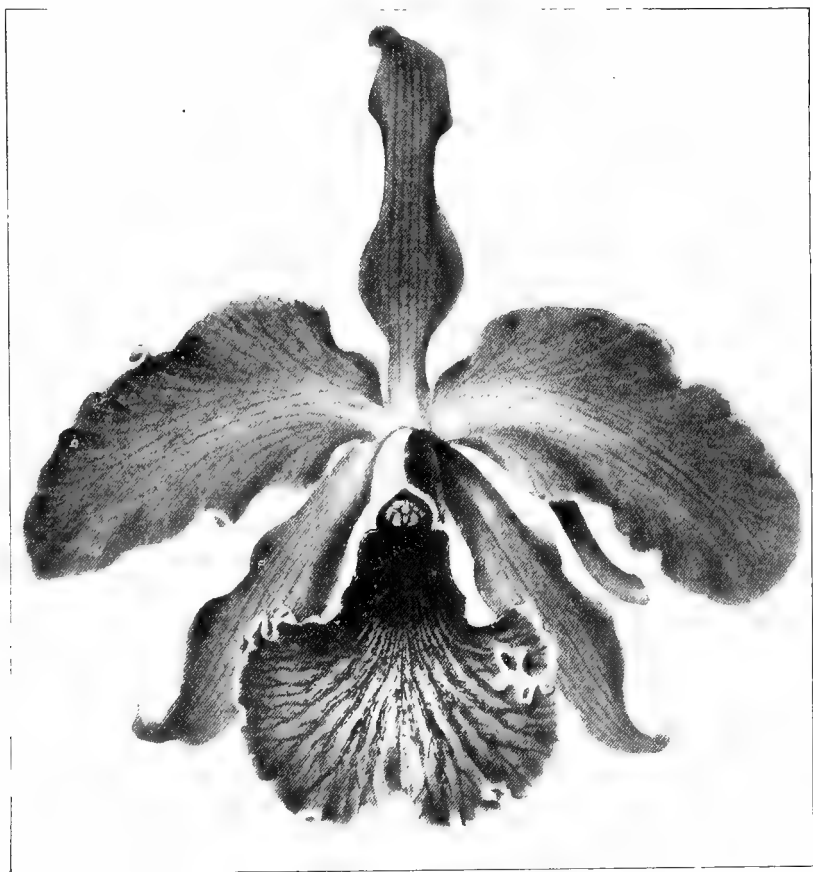


Fig. 9. CATILEVA × MARONI.

117. **C. × Measuresiæ** (*Lueddemanniana* ♀ × *velutina*).—Sander, 1895.

*C.* × *Miss Measures*, *G.C.* 1895, ii. 49; *O.R.* 1895, 243, 255.—Sander.

*C.* × *velutino-Lueddemanniana*, *ŷ. S. H. Fr.* 1900, 536.—Maron.

118. **C. × Melpomene** (*Forbesii* ♀ × *Mendelii*), *G.C.* 1897, ii. 315; *O.R.* 1897, 318, 351.—Veitch, 1897.

119. **C. × Milleri** (*Gaskelliana* × *maxima* ♀).—Miller, 1900

*C.* × (unnamed), *G.C.* 1900, ii. 313; *O.R.* 1900, 348.

120. **C. × Minerva** (*Bowringiana* ♀ × *Loddigesii*), *G.C.* 1899, ii. 301; *O.R.* 1899, 350; 1903, 330.—Veitch, 1899.

♂ **121. C. × Minucia** (Loddigesii ♀ × Warscewiczii), *G.C.* 1892, ii. 379; *O.R.* 1893, 357; 1895, 312; 1897, 291; 1899, 341.—Veitch, 1892.

• *C. × Johnsoniana*, *G.C.* 1893, ii. 406; *O.R.* 1893, 350.—Lewis.

*C. × Ashtoniana*, *G.C.* 1893, ii. 406; *O.R.* 1893, 350.—Lewis.

• *C. × La Belle*.—*G.C.* 1896, ii. 535; *O.R.* 1896, 350.—Marriott.

*C. × Murruca*, *Sand. O. Guide*, 1901, 259.

The above are suspected to be all forms of the same hybrid, and those that we have seen resemble *C. Loddigesii* rather than *C. Harrisoniana*, which is recorded as a parent in some cases.

**122. C. × mirabilis** (× *Patrocinii* ♀ × *Warscewiczii*), *Rev. H. Belge*, 1903, 307.—Wavrin, 1903.

**123. C. × Miranda** (*amethystoglossa* ♀ × *Trianæ*), *G.C.* 1897, i. 51; *O.R.* 1897, 62, 80, 124, 340; 1898, 125; *ŷ.H.*, 1898, i. 257, f. 54.—Veitch, 1897.

**124. C. × Mitchellii** (*Eldorado* × *Leopoldi* ♀), *G.C.* 1876, ii. 386; *FLM.* 1879, t. 337; *O.R.* 1893, 40.—Ainsworth, 1876.

**125. C. × mollis** (*Gaskelliana* × *superba* ♀), *G.C.* 1899, ii. 198; 1901, ii. 360; *O.R.* 1899, 286; 1901, 365; 1902, 272; 1903, 330; *G.M.* 1902, 22, 23, f. (v. Lois); *Amer. G.* 1902, 513.—Wigan, 1899.

*C. × Gaskelliano-superba*, *ŷ. S. H. Fr.* 1899, 834.—Maron.

**126. C. × Murrayi** (*Lawrenceana* × *Mendelii* ♀), *O.R.* 1896, 140.—Cookson, 1893.

• *C. × William Murray*, *G.C.* 1893, i. 639; *O.R.* 1893, 167; 1896, 126.

*C. × William Murray fulgens* (*Lawrenceana* ♀), *G.C.* 1896, i. 468; *O.R.* 1896, 156.—Ingram.

**127. C. × Nephthys** (*granulosa* ♀ × *superba*), *Amer. G.* 1902, 483.—Thayer, 1902.

• **128. C. × Niobe** (*Aclandiae* ♀ × *Mendelii*), *G.C.* 1900, ii. 18; *O.R.* 1900, 250; 1901, 284; *G.M.* 1902, 274, f.—Veitch, 1900.

**129. C. × Nymph** (*Eldorado* × *Gaskelliana* ♀).—Marriott, 1901.

*C. ×* (unnamed), *G.C.* 1901, ii. 250; *O.R.* 1901, 316.

*C. × La Nymph*, *Sand. O. Guide*, 333.

• **130. C. × Octavia** (*Dowiana* × *Mendelii* ♀).—Maron, 1899.

• *C. × Octave Doin*, *ŷ. S. H. Fr.* 1899, 57; *G.C.* 1899, i. 192; *O.R.* 1899, 121.

**131. C. × Enone** (*labiata* × *Mossiae* ♀), *G.C.* 1898, i. 385; *O.R.* 1898, 220.—Veitch, 1898.

*C. × Juliet*, *G.C.* 1899, ii. 17; *O.R.* 1899, 251.—Veitch.

**132. C. × olivetensis** (*Loddigesii* ♀ × *maxima*) *ŷ. S. H. Fr.* 1897, 602, 954.—Mantin, 1897.

*C. × Miss Endicott* (*maxima* ♀), *G.C.* 1897, ii. 352; *O.R.* 1897, 375.—Chamberlain.

**133. C. × Olivia** (*intermedia* × *Trianæ* ♀), *G.C.* 1897, ii. 315; *O.R.* 1897, 351.—Veitch, 1897.

*C. × dubiosa*, *ŷard.* 1897, 310; *O.R.* 1897, 360.—Maron.

*C. × dubia*, *ŷ. S. H. Fr.* 1897, 934; 1898, 777.—Maron.

The parentage of *C. × dubia* was at first doubtful, but afterwards confirmed.

**134. *C. × Pandora*** (bicolor ♀ × *Trianae*), *G.C.* 1900, ii. 384; *O.R.* 1900, 373; 1903, 335.—Veitch, 1900.

• **135. *C. × Parthenia*** (× *Isabella* ♀ × *Mossiae*), *ŷ. S. H. Fr.* 1889, 311; 1897, 335; *Lind.* vi. t. 276; *Reichenb.* ser. 2, ii. 39, t. 67; *O.R.* 1893, 324; *Dict. Ic. O. Cat. hyb.* t. 4.—Bleu, 1889.

*C. × Prince of Wales*, *G.C.* 1891, i. 681, 683.—Sander.

*C. × fimbriata*, the recorded seed parent, is believed to be a form of the natural hybrid *C. × Isabella*.

**136. *C. × Patrocinii*** (*Leopoldi* ♀ × *Loddigesii*), *O.R.* 1899, 254; *Dict. Ic. O. Cat. hyb.* t. 6.—Maron, 1897.

*C. × Gaudii*, *ŷ. S. H. Fr.* 1897, 934; *ŷard.* 1897, 310; *O.R.* 1897, 360; 1899, 254.

*C. × Patrocinii* first appeared as a natural hybrid in 1890. See *O.R.* 1893, p. 343.

**137. *C. × Paynteri*** (*velutina* × *Warneri*).—Paynter, 1899.

*C. × (unnamed)* *G.C.* 1899, ii. 156; *O.R.* 1899, 285.

There seems to be a slight doubt about the *C. velutina* parent, and we should like to see a flower.

**138. *C. × Pearl*** (*Gaskelliana* × *Rex*).—Sander, 1903.

*C. × The Pearl*, *G. World*, 1903, 686; *O.R.* 1903, 267.—Sander.

**139. *C. × peckaviensis*** (*Aclandiae* × *Schilleriana*), *Wien Ill. G. Zeit.* 1901, 431, f. 52; *O.R.* 1902, 55.—Hruby, 1901.

The original record is *C. Aclandiae* × *Rex*, but it is remarked that there is not the slightest trace of the latter in the flower. It looks most like a glorified *C. Aclandiae*, but as *C. Schilleriana* is suggested as one parent we leave it as above. It, however, requires confirmation.

• **140. *C. × Petersii*** (× *Hardyana* × *labiata* ♀), *G.C.* 1902, ii. 387; 1903, ii. 341; *O.R.* 1903, 364; *Dict. Ic. O. Cat. hyb.* t. 27.—Peeters, 1902.

**141. *C. × Philo*** (*iricolor* × *Mossiae* ♀), *G.C.* 1892, i. 535; *O.R.* 1893, 357.—Veitch, 1892.

♦ **142. *C. × Pittiæ*** (*Dowiana* × *Harrisoniana* ♀).—Pitt, 1902.

• *C. × Mrs. Pitt*, *G.C.* 1902, ii. 344; *O.R.* 1902, 363; 1903, 267, 343, 352 *Amer. Flor.* 1903, 566, f.

*C. × villenoyensis*, *Rev. H.* 1903, 491, 511; *ŷard.* 1903, 336; *ŷ. S. H. Fr.* 1903, 650.—Ragot.

• **143. *C. × Pittiana*** (*Dowiana* × *granulosa*), *G.C.* 1902, ii. 95; 1903, ii. 189, f. 74 (*J. Wilson Potter's* var.); *O.R.* 1903, 267, 269, 306; *ŷ.H.* 1903, ii, 281, f. (*J. Wilson Potter's* var.); *Dict. Ic. O. Cat. hyb.* t. 28.—Pitt, 1902.

**144. *C. × porphyrophlebia*** (*intermedia* ♀ × *superba*), *G.C.* 1885, ii. 552; *O.R.* 1893, 103; 1900, 253; *Day O. Draw.* xlviii. t. 11.—Veitch, 1885.

*C. × Alberti*, *ŷ. S. H. Fr.* 1890, 279; *Orchidoph.* 1890, 321, t.—Perrenoud.

**145. *C. × Portia*** (*Bowringiana* ♀ × *labiata*), *G.C.* 1897, ii. 352; *O.R.* 1897, 375; 1901, 366; 1902, 35, 44.—Veitch, 1897.

*C.* × (unnamed), *f. S. H. Fr.* 1897, 954.—Mantin.

*C.* × *labiata*-*Bowringiana*, *f. S. H. Fr.* 1897, 1344.—Mantin.

*C.* × *Bowringiano-labiata*, *f. S. H. Fr.* 1898, 1104; *Dict. Ic. O. Cat. hyb.* t. 15.—Mantin.

*C.* × *Juliae*, *G.C.* 1901, ii. 423; *O.R.* 1901, 368.—Stanley, Ashton & Co.

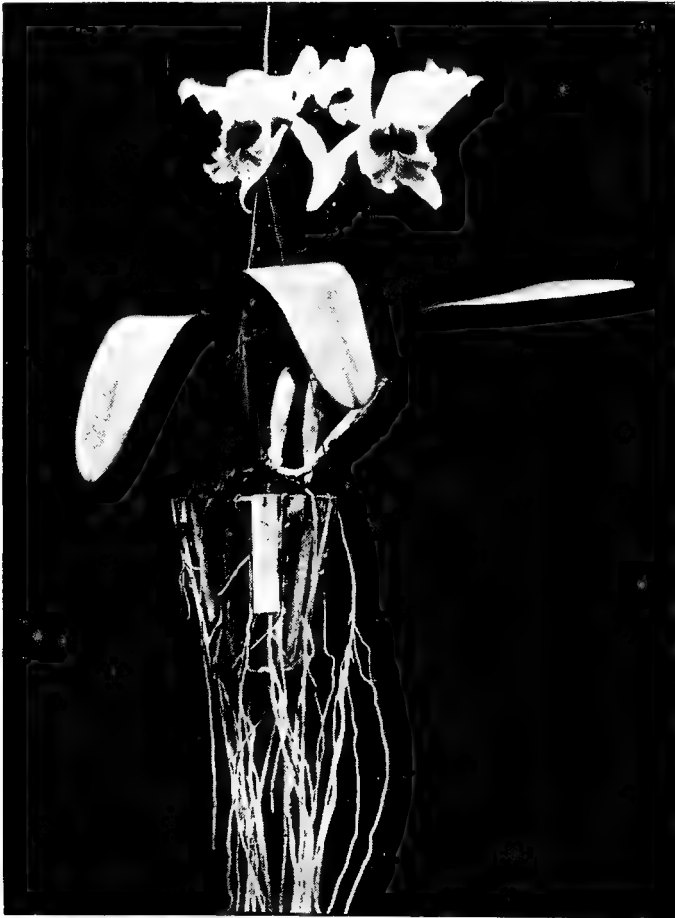


Fig. 10. *CATTLEYA* × *ROTHSCHILDIANA*.

146. *C.* × *Preciosa* (*Lawrenceana* × *Lueddemanniana* ♀), *G.C.* 1896, i. 593; *O.R.* 1896, 186; 1899, 92.—Ingram, 1896.

*C.* × *Triumph*, *G.C.* 1896, ii. 471; *O.R.* 1896, 347.—Ingram.

*C.* × *Hislopi* (*Lawrenceana* ♀), *G.C.* 1899, i. 77.—Leon.

147. *C.* × *Princess* (*Lueddemanniana* ♀ × *Trianae*), *G.C.* 1899, ii. 334; *O.R.* 1899, 351.—Veitch, 1899.

148. *C.* × *quinquecolor* (*Aclandiae* × *Forbesii*), *G.C.* 1865, 606; *Fl. M.* 1870, t. 511; *Proc. H.S.* v. 145 (*quincolor*); *O.R.* 1893, 5.—Veitch, 1865.

● 149. *C.* × *Rafaeliae* (*Dowiana* ♀ × *Trianae*).—Leon, 1899.



\*C. × Maggie Rafael, *G.C.* 1899, ii. 441, 482, f. 158; *G.M.* 1899, 796, 797, f. ; *ŷ.H.* 1899, ii. 515, f. 91; *O.R.* 1900, 27.

• **150. C. × Rembrandt** (elongata × labiata ♀), *ŷ. S. H. Fr.* 1901, 34, 1187; *G.C.* 1903, ii. 340; *O.R.* 1903, 364; *Dict. Ic. O. Cat. hyb. t.* 29.—Maron, 1901.

C. × *Sylvanus*, *Gard.* 1903, ii. 408.—R. H. Measures.

**151. C. × resplendens** (granulosa ♀ × Schilleriana), *O.R.* 1900, 328; 1903, 131; *G.C.* 1902, ii. 387.—Peeters, 1900.

C. × *Kerchoveana* (Schilleriana ♀), *Chron. O.* i. 308.—Peeters.

C. × *Kerchoveana* is believed to be identical with the natural hybrid C. × *resplendens*, *Rchb. f.* (*G.C.* 1885, i. 692), which, however, is only known from description.

**152. C. × Roehrsiana** (× Hardyana × Mendelii ♀), *G.C.* 1903, i. 419; *O.R.* 1903, 213.—Sander, 1903.

**153. C. × Rooseveltia** (Aclandia × maxima).—Roebing, 1903.

C. × Mrs. Theodore Roosevelt, *Amer. G.* 1903, 107.

• **154. C. × Rothschildiana** (*Dowiana* × *Gaskelliana* ♀).—Sander, 1893.

[See Fig. 10.]

\*C. × Lord Rothschild, *G.C.* 1893, ii. 536; 1896, ii. 489, f. 86; *O.R.* 1893, 373; 1896, 337, f. 16; *ŷ.H.* 1893, ii. 417, 425, f. 62; *Wien. Ill. G. Zeit.* 1894, 237, 238, f. 32.

**155. C. × Rothwellia** (*Bowringiana* × *Eldorado*), *Amer. G.* 1901, 879; *G.C.* 1902, i. 18; *O.R.* 1902, 35, 43.—Rothwell, 1901.

C. × *Portia* var. *Rothwellia*, *Amer. G.* 1901, 845, f. 174.

**156. C. × rubescens** (*dolosa* × *labiata*), *G.C.* 1903, i. 46; *Rev. H. Belge*, 1903, 47.—Peeters, 1903.

**157. C. × Saint-Benoit** (Aclandia × *Schroederæ* ♀), *G.C.* 1898, ii. 293; *O.R.* 1898, 348.—Lawrence, 1898.

**158. C. × Saint-Gilles** (*Dowiana* × *Patrocinii* ♀), *G.C.* 1903, ii. 340; *O.R.* 1903, 364; *Dict. Ic. O. Cat. hyb. t.* 30.—Peeters, 1902.

C. × *Patrocinii* × *aurea*, *G.C.* 1902, ii. 387.

**159. C. × Sedenii** (*Lawrenceana* ♀ × *Percivaliana*), *G.C.* 1896, i. 593; *O.R.* 1896, 186; 1898, 158.—Ingram, 1896.

**160. C. × Selfridgei** (Aclandia ♀ × *superba*).—Sander, 1902.

C. × H. G. Selfridge, *G.C.* 1902, i. 442; *O.R.* 1902, 213.

**161. C. × Shakespeare** (*granulosa* ♀ × *Rex*), *ŷ. S. H. Fr.* 1901, 842; *G.C.* 1903, ii. 104; *O.R.* 1903, 267.—Dallemagne, 1901.

**162. C. × suavior** (*intermedia* ♀ × *Mendelii*), *V. Man. O.* ii. 92; *O.R.* 1893, 196; *Day O. Draw.* xlv. t. 83; *Amer. G.* 1899, 367, f. 90 (left-hand figure).—Veitch, 1887.

**163. C. × superforbesii** (*Forbesii* × *superba* ♀), *G.C.* 1896, ii. 90; *O.R.* 1896, 265.—Cypher, 1896.

**164. C. × Tankervilleæ** (*bicolor* × *Rex*), *O.R.* 1903, 307.—Stanley, Ashton & Co., 1903.

C. × (unnamed), *O.R.* 1903, 268, 287.

*C.* × Tankerville, *G.C.* 1903, ii. 181.

**165. *C.* × Thayeriana** (intermedia ♀ × *Schroederæ*), *Amer. Flor.* 1900, 1003; *O.R.* 1900, 147; 1903, 167; 1904, 49, f. 16; *Amer. G.* 1903, 138.—Thayer, 1900. [See Fig. 11.]

**166. *C.* × Thornton** (*amethystoglossa* × *Lueddemanniana* ♀), *O.R.* 1898, 359.—Thornton, 1898:

**167. *C.* × Titus** (*granulosa* ♀ × *Leopoldi*), *ŷ. S. H. Fr.* 1901, 841.—Dallemagne, 1901.

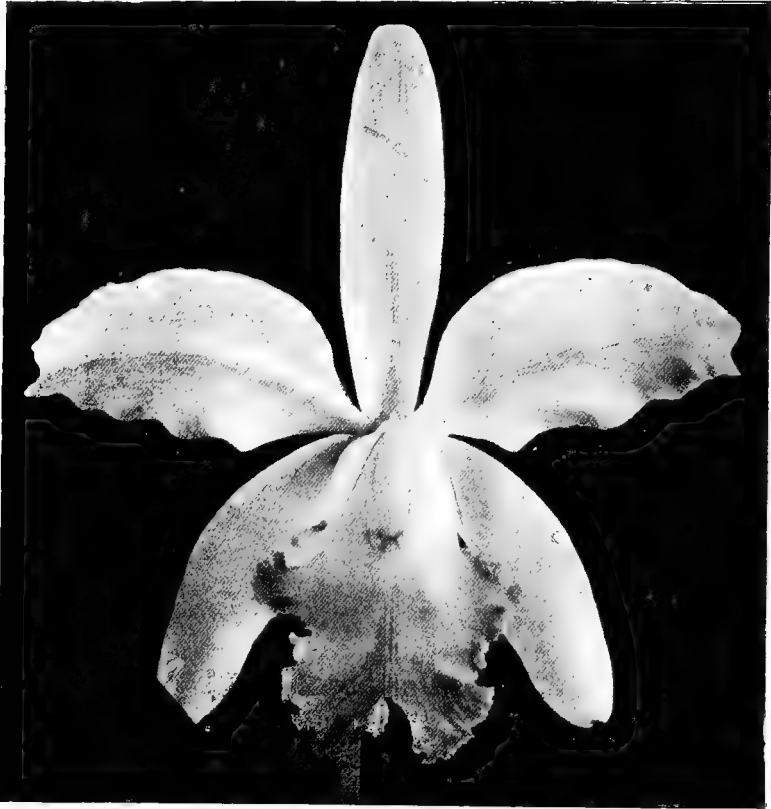


Fig. II. *CATTLEYA* × *THAYERIANA*.

*C. Schofieldiana gigantea* (*G.C.* 1897, ii. 246, suppl. fig. 75) is mentioned as a natural hybrid between the above two species, but we regard it as simply a fine spotted form of *C. granulosa*.

• **168. *C.* × vestalis** (*Dowiana* × *maxima* ♀), *G.C.* 1899, ii. 402; *O.R.* 1899, 375; *G.M.* 1900, 555, f.—Veitch, 1899.

*C.* × Madame Chaumié, *ŷ. S. H. Fr.* 1903, 766; *ŷard.* 1903, 384.—Maron.

*C.* × Madame Malvina, *ŷ. S. H. Fr.* 1901, 1187.—Maron.

**169. *C.* × Viceroy** (× *Brymeriana* × *labiata*), *O.R.* 1902, 30; *G.C.* 1902, i. 70.—(Sander) Miller, 1901.

**170. C. × Victoria-Regina** (labiata × Leopoldi), *ŷ. S. H. Fr.* 1901, 906.—Dallemagne, 1901.

C. × Crethus, *ŷ. S. H. Fr.* 1901, 906.—Dallemagne, 1901.

C. × Cogniauxii (Leopoldi ♀), *Dict. Ic. O. Cat. hyb. t.* 22.—Peeters.

C. × Victoria-Regina originally appeared among imported C. Leopoldi from Pernambuco, and was at first hopelessly confused with it (see *G.C.* 1892, i. 586, 808, 809, f. 115 (excl. f. 116); *O.R.* 1895, 17, f. 1; *Reichenb.* ser. 2, ii. 89, t. 85). It is believed to be a natural hybrid between C. Leopoldi and C. labiata. C. × Crethus, raised from these two species, is said to differ considerably, consequently it is suggested that C. amethystoglossa may have been one parent of the natural hybrid, but we do not know of its appearance in the same importation. In C. × Cogniauxii the influence of the Leopoldi ("guttata") parent is scarcely apparent. We should like to see flowers of both.

• **171. C. × Wavriniana** (granulosa × Warscewiczii ♀), *G.C.* 1900, ii. 181; *ŷ.H.* 1902, ii. 97, f. (Wigan's var.); *O.R.* 1902, 243; *Dict. Ic. O. Cat. hyb. t.* 18.—Peeters, 1900.

C. × Wiganiana, *Gard.* 1902, ii. 71.—Wigan.

• **172. C. × weedoniensis** (granulosa × Mendelii ♀), *G.C.* 1899, ii. 268; *O.R.* 1899, 318; 1901, 348.—Thornton, 1899.

**173. C. × Wellsiæ** (× Parthenia ♀ × Warneri).—Sander, 1894.

C. × Mrs. M. Wells, *G.C.* 1894, ii. 194; *O.R.* 1894, 288.

• **174. C. × Wendlandiana** (Boweringiana ♀ × Warscewiczii), *O.R.* 1894, 144, 351; 1902, 35, 44; *Dict. Ic. O. Cat. hyb. t.* 12.—Veitch, 1890.

C. × Wendlandii, *G.C.* 1894, ii. 447.

First flowered in October, 1891, as shown by flowers preserved at Kew.

**175. C. × Whitei** (Schilleriana × Warneri ♀), *O.R.* 1899, 292; 1901, 366; *B.M. t.* 7727; *Dict. Ic. O. Cat. hyb. t.* 20.—Mantin, 1897.

C. × Russelliana, *ŷ. S. H. Fr.* 1897, 602, 608; *ŷ. R. H. S.* xxiv. 192.—Mantin.

C. × gloriosa, *G.C.* 1901, i. 418; *O.R.* 1901, 255.—Peeters.

Originally described as a natural hybrid (Rchb. f. in *G.C.* 1882, ii. 586; *O.A.* iii. t. 115), at which time C. labiata and C. Schilleriana were given as the parents.

• **176. C. × Whiteleyæ** (Boweringiana ♀ × Hardjana).—Miller, 1899.

C. × Mrs. J. W. Whiteley, *G.C.* 1899, ii. 402; *O.R.* 1899, 374.

C. × John Baguley (× Hardjana ♀), *G.C.* 1900, ii. 313; *O.R.* 1900, 348.—Charlesworth.

**177. C. × Wiganii** (Dowiana × Schilleriana ♀).—Wigan, 1900.

C. × F. W. Wigan, *G.C.* 1900, ii. 97; *O.R.* 1900, 228, 253 ("Sir F. Wigan"), 287; *ŷ.H.* 1900, ii. 121, f. 33; 1904, ii. 109, f. (v. superba); *G.M.* 1900, 610, 611, f.; 1904, 510, f. (v. superba); *Dict. Ic. O. Cat. hyb. t.* 25.

**178. C. × Williamsiæ** (Gaskelliana × Harrisoniana ♀).—Temple, 1894.

C. × Miss Williams, *G.C.* 1894, ii. 603; *O.R.* 1894, 375.

C. × (unnamed), *G.C.* 1902, ii. 387.—Wavrin.

C. × Mary Measures, *Sand. O. Guide*, 333.

Owing to the unfortunate confusion between *C. Loddigesii* and *C. Harrisoniana*, it is possible that some of the above may not belong here. The hybrid should be compared with *C. × Greavesiæ*.

179. *C. × Winniana* (*Forbesii × Gaskelliana* ♀), *O.R.* 1902, 326; 1903, 310.—(Winn) Chamberlain, 1902.

180. *C. × Zeo* (*Leopoldi* ♀ × *Trianae*), *O.R.* 1902, 55.—Charlesworth, 1902.

*C. × Zeno*, *Sand. O. Guide*, 334.

181. *C. × Zephyra* (*Dowiana × Schrœderæ* ♀), *G.C.* 1901, i. 146; *O.R.* 1901, 90.—Ingram, 1901.

### 10. CHYSIS.

1. *C. × Chelsoni* (*lævis × Limminghei* ♀), *G.C.* 1874, i. 385, 535; 1880, i. 717, 722, f. 122; *Fl. M.* 1878, t. 297; *Gartenfl.* 1880, 152, 153, f.; *Orchidoph.* 1882, 478, 479, f.; *V. Man. O.* vi. 27, f.; *O.R.* 1893, 38; *Day O. Draw.* xviii. t. 72; xl. t. 49.—Veitch, 1874.

The first hybrid *Chysis*. The parentage was originally given as *C. Limminghei* ♀ × *bractescens* ♂, but Reichenbach suggested that *C. lævis* was the second parent, which we believe to be correct, for we fail to trace *C. bractescens* in the plant, though Messrs. Veitch finally altered the record to *C. bractescens × lævis*.

2. *C. × langleyensis* (*bractescens* ♀ *Chelsoni*), *G.C.* 1896, i. 593; *O.R.* 1896, 187; 1897, 161.—Veitch, 1896.

*C. × Sedeni* was originally recorded as the second parent, but the record was afterwards amended by the raisers.

3. *C. × Sedeni* (*bractescens × Limminghei* ♀), *G.C.* 1880, i. 616; *V. Man. O.* vi. 27; *O.R.* 1893, 69; *Day O. Draw.* xli. t. 81.—Veitch, 1880.

### 11. CYMBIDIUM.

1. *C. × Bennett-Poei* (*giganteum × Tracyanum*).—Bennett-Pœe, 1903.

*C. × Tracyano-giganteum*, *G.C.* 1903, ii. 429; *O.R.* 1904, 19.

2. *C. × Charlesworthii* (*Lowianum* ♀ × *Mastersii*).—Charlesworth, 1902.

*C. × Lowio-Mastersianum*, *G.C.* 1902, i. 116; *O.R.* 1902, 90; *G.M.* 1902, 128, f.

3. *C. × Lowgrinum* (*Lowianum* ♀ × *tigrinum*), *G.C.* 1903, i. 206; *O.R.* 1903, 118, 120.—R.I. Measures, 1903.

4. *C. × Maroni* (*grandiflorum* ♀ × *Mastersii*), *Chron. O.* 332; *J. S. H. Fr.* 1900, 766.—Maron, 1900.

5. *C. × Sedeni* (*grandiflorum × Lowianum* ♀).—Veitch, 1902.

*C. × Lowio-grandiflorum*, *G.C.* 1902, i. 116; *O.R.* 1902, 90, 100.

6. *C. × Veitchii* (*eburneum × Lowianum* ♀).—Veitch, 1889. [See Fig. 12.]

*C. × eburneo-Lowianum*, *G.C.* 1889, i. 363; 1903, i. 206; *V. Man. O.* ix. 23; *O.R.* 1893, 260; 1903, 118; 1904, 369, f. 50; *J. H.* 1895, i. 157, f. 29 (v. *superbum*); *Gard.* 1895, ii. 262, t. 1034; 1903, i. 250, 251, f. (v. *concolor*);

*Lind.* xiii. t. 578; *Dict. Ic. O. Cymb. hyb.* t. 1, 1a (v. *armainvillienne*); *G.M.* 1903, 219, 223, f. (v. *concolor*); *G. World*, 1904, 443, 449, f. (v. *concolor*).



Fig. 12. CYMBIDIUM × VEITCHII.

*C.* × *armainvillienne*, ♀. *S.H. Fr.* 1894, 78; 1895, 239; ♂. *d.O.*, v. 9. — Baron E. Rothschild.

*C.* × *Lowio-eburneum*, *G.C.* 1896, i. 337; *O.R.* 1896, 122; *G.M.* 1896, 190, f.—Lawrence, 1896.

*C.* *Lowianum* × *eburneum*, *G.C.* 1901, ii. 25, f. 10; *O.R.* 1901, 270.

7. *C.* × **Wigianium** (*eburneum* ♀ × *Tracyanum*), *G.C.* 1902, i. 151; *O.R.* 1902, 92; *G.M.* 1903, 30.—Sander, 1902.

8. *C.* × **Winnianum** (*giganteum* ♀ × *Mastersii*), *G.C.* 1892, ii. 566; *O.R.* 1893, 22, 356, 361, f. 18; 1904, 313, f. 45; *V. Man. O.* ix. 24; *Reichenb.* ser. 2, ii. 61, t. 75; *G.M.* 1904, 562.—Winn, 1892. [See Fig. 13.]

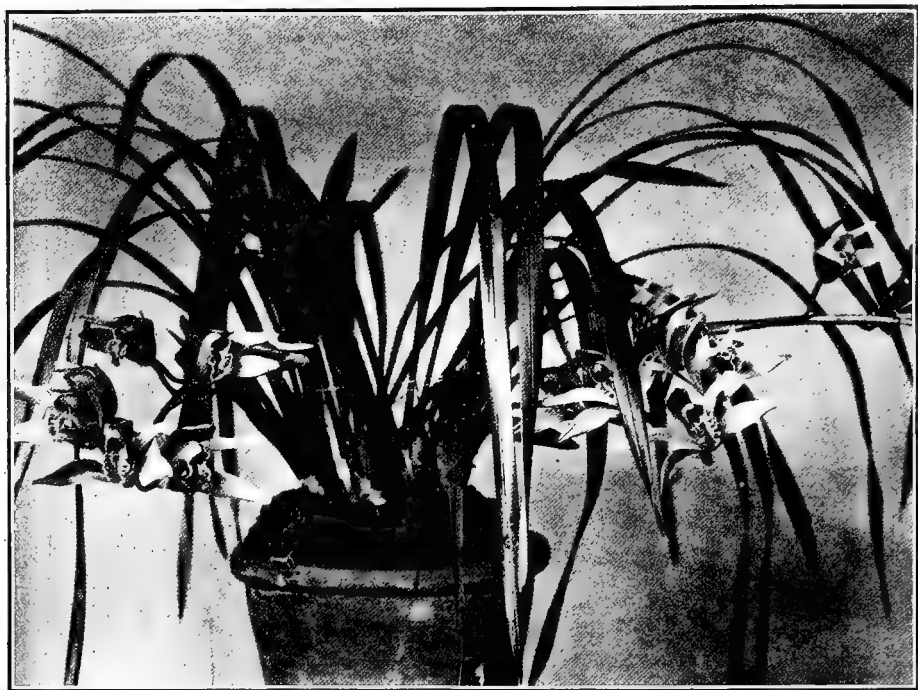


Fig. 13. *CYMBIDIUM* × *WINNIANUM*.

*C.* × *Mantini*,<sup>†</sup> *Chron. O.* 150; *Rev. H.* 1898, 144; *O.R.* 1902, 343, 361, f. 37.—Mantin.

*C.* × *Cæsar* Nicolai II, *Chron. O.* 290; *O.R.* 1902, 361.—Mantin.

*C.* × *Holmesii* (*Mastersii* ♀), *G.C.* 1902, ii. 314; *O.R.* 1902, 343, 361.—Holmes.

The parentage was at first recorded as *C. eburneum* and *C. giganteum* ♀, which has been shown to be erroneous.

## 12. *CYNORCHIS*.

1. *Cynorchis* × *kewensis* (*Lowiana* ♀ × *purpurata*), *O.R.* 1903, 219.—Kew, 1903.

## 13. DENDROBIUM.

1. **D.** × **Achilles** (× *Ainsworthii* × *primulinum* ♀), *O.R.* 1902, 101; 1903, 92.—Chamberlain, 1902.

2. **D.** × **Acis** (*nobile* × *Schneiderianum*), *O.R.* 1902, 157.—Hardy, 1902.

3. **D.** × **Adrastus** (*Pierardi* ♀ × *superbum*), *G.C.* 1892, i. 503; *O.R.* 1893, 358.—Veitch, 1892.

4. **D.** × **Æneas** (*crystallinum* × *moniliforme* ♀), *G.C.* 1893, i. 336; *O.R.* 1893, 128.—Veitch, 1893.

5. **D.** × **Ainsworthii** (*aureum* ♀ × *nobile*), *G.C.* 1874, i. 443, f. 93, 94; *Fl. M.* 1876, t. 196; *O.A.* i. t. 20 (v. *roseum*); *V. Man. O.* iii. 86, 87, f.; *Lind.* vii. t. 97; *Dict. Ic. O. Dendr. hyb.* t. 1, 1 A (v. *Leechianum*), 1 B (v. *grandiflorum*); *O.R.* 1893, 37; 1895, 103; 1900, 108; 1901, 38; *Gard.* 1897, i. 338, f.; *G.M.* 1901, 148, f. (v. *splendidissimum*); *Day O. Draw.* xxiii. t. 43; xxviii. t. 31, 67.—Ainsworth, 1874.

*D.* × *Leechianum* (*nobile* ♀), *G.C.* 1882, i. 256, f. 35; *V. Man. O.* iii. 89; *O.R.* 1893, 100; *ŷ.H.* 1896, i. 229, f. 35; 1900, i. 323, 325, f. 89; 1902, ii. 215, f.; *Reichenb.* ser. 1, ii. 3, t. 50; *Rev. H.* 1904, 280, t.; *Day. O. Draw.* xlviii. t. 47.—Leech.

*D. nobile aureum* v. *Leechianum*, *Gard.* 1883, i. 6, t. 395.

*D.* × *Sanderæ*, *G.C.* 1893, i. 206; *O.R.* 1893, 96.—Sander.

*D.* × *heterocarpo-nobile*, *Bohnh. Dict. O. Hyb.* 37.—Lawrence.

*D.* × *recurvum*, *Gard.* 1896, i. 50.—Ingram.

*D.* × *Robinsonianum*, *Bohnh. Dict. O. Hyb.* 38.

*D.* × *splendidissimum*, *G.C.* 1879, i. 298; *V. Man. O.* iii. 91, f.; *ŷ. S. H. Fr.* 1892, 435, 438, f. 8; *O.R.* 1893, 69; *Gard.* 1904, i. 140, f. (v. *grandiflorum*).—Veitch.

*D.* × *Armstrongi*, *O.R.* 1894, 93.—Armstrong.

6. *D.* × *Edithæ*, *O.R.* 1894, 126.—Lee.

*D.* × *hetero-Cypheri*, *O.R.* 1901, 55, 68.—Holmes.

*D.* × *Germinyanum*, *Sand. O. Guide*, 275.

6. **D.** × **Andromeda** (× *Ainsworthii* ♀ × *Cassiope*), *G.C.* 1896, i. 210; *O.R.* 1896, 94. — Chamberlain, 1896.

7. **D.** × **Ariel** (*aureum* × *Rubens*).—Chamberlain, 1903.

*D.* × (unnamed) *O.R.* 1903, 92.

8. **D.** × **Aspasia** (*aureum* ♀ × *Wardianum*), *G.C.* 1890, i. 336; 1892, i. 214; *O.R.* 1893, 137, f. 9.—Veitch, 1889. [See Fig. 14.]

*D.* × *Wardiano-aureum*, *G.C.* 1889, i. 490; *O.R.* 1893, 262.—Veitch.

*D.* × *Ellerianum*, *Gard.* 1896, i. 202, 280.—Hardy.

9. **D.** × **Astræa** (*crassinode* × *luteolum* ♀), *O.R.* 1895, 167; *G.C.* 1896, i. 391, 402.—Cookson, 1895.

10. **D.** × **Backhousei** (*nobile* ♀ × *thyrsiflorum*), *O.R.* 1897, 110; 1898, 121; 1904, 167.—(Backhouse) G. F. Moore, 1897.

*D.* × (unnamed), *O.R.* 1897, 76.

Although the parentage was very definitely recorded it requires confirmation,

for the hybrid resembles *D. × Wiganiaë* so closely as to have raised a suspicion that it is of similar origin.

11. *D. × Benita* (*aureum* ♀ × *Falconeri*), *G.C.* 1893, i. 355; *O.R.* 1893, 116.—Brymer, 1893.



Fig. 14. *DENDROBIUM × ASPASIA*.

12. *D. × Berkeleyi* (*× Cassiope* ♀ × *Wardianum*), *O.R.* 1899, 136.—Berkeley, 1899.

13. *D. × Bryan* (*luteolum* ♀ × *Wardianum*), *G.C.* 1893, i. 395; 1896, i. 391; *O.R.* 1893, 157.—Cookson, 1893.

14. *D. × Burberryanum* (*× Dominyanum × Findlayanum* ♀), *O.R.* 1897,



80, 93; 1901, 170; *G.C.* 1897, i. 115; *J.H.* 1900, i. 239, f. 64.—Chamberlain, 1897.

15. **D. × Cassiope** (moniliforme ♀ × nobile), *G.C.* 1890, ii. 620; *Orchidoph.* 1893, 105, 106, f.; *O.R.* 1893, 293; 1895, 126, 131; *Reichenb.* ser. 2, 5, t. 50, f. 2; *Dict. Ic. O. Dendr. hyb.* t. 2.—Cookson, 1890.

16. **D. × cheltenhamense** (aureum ♀ × luteolum), *Gard.* 1893, i. 347, 389; *O.R.* 1893, 125, 212.—Cypher, 1893.

17. **D. × chlorostele** (Linawianum ♀ × Wardianum), *G.C.* 1887, i. 477; *V. Man. O.* iii. 87; *O.R.* 1893, 16, 86, 197; 1903, 113, f. 25 (v. Owenianum);



Fig. 15. **DENDROBIUM × ELLISII** VAR. **WIGANIANUM**.

Fig. 16. **D. × SIBYL**.

Fig. 17. **D. × WIGANIE**.

Fig. 18. **D. × CHLOROSTELE**  
VAR. **OWENIANUM**.

Fig. 19. **D. × MELANODISCUS**  
VAR. **PALLENS**.

*G.M.* 1901, 148, f. (v. Juno); *Dict. Ic. O. Dendr. hyb.* t. 4 (v. Juno).—Lawrence 1887. [See Fig. 18.]

**D. × Juno**, *G.C.* 1890, i. 87; *O.R.* 1893, 294; *G.C.* 1899, i. 114, f. 44.—Lawrence.

**D. × Owenianum**, *G.C.* 1893, i. 206; *O.R.* 1893, 95.—Cookson.

**D. × xanthocentron**, *G.C.* 1890, i. 87; *O.R.* 1893, 293.—Lawrence.

**D. × Aureora**, *Sand. O. Guide*, 274.

18. **D. × clarence** (Findlayanum ♀ × signatum), *O.R.* 1903, 135.—Wigan 1903.

19. **D. × Cordelia** (aureum ♀ × euosmum), *O.R.* 1894, 172.—Veitch, 1894.

20. **D.** × **Corningianum** (*lituiflorum* × *nobile* ♀), *Hans. O. Hyb.* 196.—  
Corning, 1876.

According to Hansen, the reverse cross was afterwards raised by Messrs.  
Heath and Son.

21. **D.** × **Curtisii** (*aureum* × *Cassiope* ♀), *G.C.* 1896, i. 210; *O.R.* 1896,  
96; 1906, 73, f. 9.—Sander, 1896. [See Fig. 20.]



Fig. 20. DENDROBIUM × CURTISII.

22. **D.** × **Cybele** (*Findlayanum* ♀ × *nobile*), *G.C.* 1887, ii. 778; 1899, i.  
258, 259, f. 96 (Oakwood var.); 1903, i. 46; *V. Man. O.* iii. 87; *O.R.* 1893, 196;  
1901, 170.—Veitch, 1887.

**D.** × **Wrightæ**, *Gard.* 1903, Jan. 17, Suppl. 7.—Wright.

**D.** × **Aurora**, *Sand. O. Guide*, 337.

23. **D.** × **Cypheri** (*crassinode* × *Findlayanum* ♀), *O.R.* 1902, 100.—  
Cypher, 1902.

**24. D. × Dominyanum** (Linawianum × nobile ♀), *G.C.* 1878, i. 202; *V. Man. O.* iii. 88; *O.R.* 1893, 36; *Day O. Draw.* xxxii. t. 45.—Veitch, 1864.

D. × (unnamed), *Proc. R. H. S.* iv. (1864), 73.

D. × Dormanianum, *Sand. O. Guide*, 275.

The earliest record, in 1864, states:—"Dendrobium moniliforme (seedling), a very interesting Orchid, as being a seedling raised at the Exeter Nursery, but with the appearance of an inferior *D. nobile*."



Fig. 21. DENDROBIUM × GEM. VAR. ARTEMIS

**25. D. × Doris** (× Ainsworthii ♀ × moniliforme), *O.R.* 1894, 142.—Cookson, 1894.

**26. D. × dulce** (aureum ♀ × Linawianum), *G.C.* 1892, i. 214; 1896, i. 402; *O.R.* 1893, 358; *G.M.* 1901, 148, f.—Veitch, 1892.

D. × burfordiense, *G.C.* 1892, ii. 744; *O.R.* 1893, 29, 85.—Lawrence.

**27. D. × Ellisii** (Hildebrandii × nobile ♀), *O.R.* 1901, 37, 82, 87; 1903, 93, 113, f. 22 (v. Wiganianum).—Ellis, 1901. [See Fig. 17 (p. 75)]

D. × Wiganianum (Hildebrandii ♀), *G.C.* 1901, i. 102, 114; 1903, i. 142; *O.R.* 1901, 87; 1903, 84; *G.M.* 1901, 167, f.—Wigan.

**28. D. × Elwesii** (aureum × Hildebrandii), *O.R.* 1900, 147.—Elwes, 1900.

**29. D. × endocharis** (aureum × moniliforme ♀), *G.C.* 1876, i. 298; *V. Man. O.* iii. 88, f.; *♀. S. H. Fr.* 1892, 435, 436, f. 7; *O.R.* 1893, 39; *Day O. Draw.* xix. t. 76.—Veitch, 1876.

**30. D. × euosmum** (× endocharis ♀ × nobile), *G.C.* 1885, i. 174; *V. Man. O.* iii. 89; *O.R.* 1893, 102; 1894, 112; *Day O. Draw.* xliii. t. 89; xlvi. t. 39 (v. leucopterum).—Veitch, 1885.

*D. × Snowflake*, *O.R.* 1902, 125.—Statter.

**31. D. × Florence** (Bensonæ × nobile), *G.C.* 1903, i. 174; *O.R.* 1903, 116.—Douglas, 1903.

**32. D. × Galatea** (moniliforme ♀ × Pitcherianum), *G.C.* 1900, i. 62; *O.R.* 1900, 60.—Thwaites, 1900.

*D. × Ethel*, *G.C.* 1902, i. 314; *O.R.* 1900, 71; 1902, 179.—Berkeley, 1900.

**33. D. × Gem** (aureum ♀ × Ainsworthii),—Winn, 1894. [See Fig. 21.]

*D. × The Gem*, *Bohnh. Dict. O. Hyb.* 39; *Sand. O. Guide*, 275.—Winn.

*D. × (unnamed)*, *G.C.* 1897, i. 115; *O.R.* 1897, 93.—Chamberlain, 1897.

*D. × Artemis*, *O.R.* 1906, 72, f. 8.—Colman.

**34. D. × Gemma** (aureum ♀ × superbum), *O.R.* 1895, 73.—Winn, 1895.

**35. D. × harefieldiense** (Findlayanum × Wardianum) —E. Ashworth, 1896.

*D. × Findlayano-Wardianum*, *G.C.* 1896, i. 337; *O.R.* 1896, 122.

**36. D. × Harold** (Findlayanum ♀ × Linawianum), *O.R.* 1896, 108.—Cookson, 1896.

**37. D. × Haywoodiæ** (Hildebrandii × Wardianum).—Haywood, 1902.

*D. × Wardiano-Hildebrandii*, *G.C.* 1902, i. 219; *O.R.* 1902, 117.

**38. D. × Holbrookii** (× Cassiope × Dominyanum), *O.R.* 1902, 56.—E. Ashworth, 1899.

*D. × Domicassio*, *G.C.* 1899, i. 108.

*D. × (unnamed)*, *O.R.* 1899, 94.

**39. D. × Holmesianum** (× Dominyanum × Schneiderianum), *G.C.* 1896, i. 401.—Hardy, 1896.

**40. D. × Hunteri** (Brymerianum ♀ × nobile), *O.R.* 1902, 153.—Hunter, 1902.

Remarkable as the solitary hybrid from *D. Brymerianum*, yet the flowers have very largely the shape and colour of *D. nobile*, which is said to have been the pollen parent.

**41. D. × illustre** (chrysotoxum ♀ × pulchellum), *G.C.* 1895, i. 800; ii. 15, f. 4; *♀. H.* 1895, i. 561, 566, f. 99; *G.M.* 1895, 385, f.; *O.R.* 1895, 243.—Veitch, 1895.

**42. D. × Imogen** (× euosmum ♀ × signatum), *G.C.* 1899, i. 255, *O.R.* 1899, 159 —Veitch, 1899.

**43. D. × Isis** (hercoglossum × moniliforme ♀), *O.R.* 1901, 16; 1903, 84; *G.C.* 1903, i. 142.—Berkeley, 1901.

**44. D. × Kenneth** (Bensonæ × Maccarthiæ ♀), *G.C.* 1896, i. 337; 1897, i. 134, 135, f. 37; *O.R.* 1896, 108; *Hans. O. Hyb.* 318.—Cookson, 1896.

*D. Bensonæ* was at first accidentally recorded as the pollen parent, but

afterwards corrected. Mr. Cookson states that he has never been able to get a seed capsule on *D. Bensonæ*.

45. **D. × Lawrencei** (*formosum* ♀ × *Lowii*).—Lawrence, 1898.

*D. × formoso-Lowii*, *G.C.* 1898, ii. 391; *O.R.* 1898, 374.

46. **D. × Lotus** (*nobile* × *suavissimum*), *G.C.* 1901, i. 279.—Cookson, 1901.

47. **D. × Lutwycheanum** (× *Ainsworthii* × *Wardianum*), *O.R.* 1894, 202; 1901, 170 (*v. Clio*).—Lutwyche, 1894.

*D. × Clio*, *G.C.* 1896, i. 337; *O.R.* 1896, 122; *J.H.* 1896, i. 366, 367, f. 62 (*Tyntesfield v.*); *Gard.* 1900, i. 268, f. (*v. superbum*).—Lawrence.

48. **D. × Magda** (× *melanodiscus* × *nobile* ♀), *G.C.* 1902, i. 183; *O.R.* 1902, 114.—Rehder, 1902.

49. **D. × Mantinii** (*nobile* × *fimbriatum*) *Jard.* 1901, 7; *O.R.* 1901, 93.—Mantin, 1900.

This is said to be the first hybrid *Dendrobium* raised in France.

50. **D. × melanodiscus** (× *Ainsworthii* × *Findlayanum* ♀), *G.C.* 1887, i. 414; 1904, i. 219, f. 92 (*v. gloriosum*); *O.R.* 1893, 16, 197; 1899, 100; 1901, 170; 1903, 113, f. 26 (*v. pallens*), *Reichenb.* ser. 2, i. 27, t. 12; *J. H.* 1905, i. 25, f.; 1905, i. 25, f. (*v. pallens*).—Lawrence, 1877. [See Fig. 19 (p. 75)]

*D. × chrysodiscus*, *G.C.* 1887, i. 414; *V. Man. O.* iii. 87; *O.R.* 1893, 16, 196.—Lawrence.

*D. × Luna*, *G.C.* 1890, i. 87; *O.R.* 1893, 294; *Amer. G.C.* 1905, 83, f.—Lawrence.

*D. × Hebe*, *G.C.* 1894, i. 84; *O.R.* 1894, 61.—Lawrence.

*D. × Dido*, *G.C.* 1894, i. 84; *O.R.* 1894, 61.—Lawrence.

*D. × pallens*, *G.C.* 1896, i. 210; *O.R.* 1896, 94; *J.H.* 1900, i. 239, 241, f. 65.—Lawrence.

*D. × Rainbow*, *Bohnh. Dict. O. Hyb.* 38; *O.R.* 1898, 92.—Lawrence.

*D. × Clytie*, *O.R.* 1899, 100.—Chamberlain.

*D. × hessleense*, *G.C.* 1899, i. 174; *O.R.* 1899, 126.—Burkinshaw.

*D. × The Pearl*, *Bohnh. Dict. O. Hyb.* 39; *O.R.* 1899, 100.—Lawrence.

*D. × Salteri*, *G.C.* 1903, i. 142; *O.R.* 1903, 84.—Haywood.

51. **D. × Melpomene** (× *Ainsworthii* × *signatum*), *G.C.* 1900, i. 207; *O.R.* 1900, 125; *J.H.* 1900, i. 281, f. 76; *G.M.* 1900, 206, f.; *Gard.* 1900, i. 28, f.—Lawrence, 1900.

52. **D. × Mentor** (*primulinum* ♀ × *superbum*), *G.C.* 1893, i. 580; *O.K.* 1893, 189.—Veitch, 1893.

53. **D. × micans** (*lituiflorum* × *Wardianum* ♀), *G.C.*, 1879, i. 332; *V. Man. O.* iii. 89; *O.R.* 1893, 69; *G.M.* 1899, 429, f.—Veitch, 1879.

*D. × Euryclea* (*lituiflorum* ♀), *G.C.* 1892, i. 503; *O.R.* 1893, 358.—Veitch.

*D. × Alcippe* (*lituiflorum* ♀), *G.C.* 1893, i. 396; *O.R.* 1893, 159; 1894, 173.—Veitch.

54. **D. × Minos** (× *Cassiope* × *Findlayanum*), *O.R.* 1901, 116.—Statter, 1901.

55. **D. Murrayi** (*albosanguineum* × *nobile* ♀), *O.R.* 1895, 166; *G.C.* 1896, i. 391, 401.—Cookson, 1895.

56. **D. × murrhiniacum** (nobile × Wardianum ♀), *G.C.* 1888, i. 554; *O.R.* 1893, 227.—*R. H. Measures*, 1888.

\* **D. × Euterpe** (nobile ♀), *G.C.* 1896, i. 431; 1899, i. 208; *O.R.* 1899, 131, 155.—*Lawrence*.

**D. × nobile-Wardianum**, *Sand. O. Guide*, 275.

**D. × Wardiano-nobile**, *Sand. O. Guide*, 276.

57. **D. × Nestor** (*Parishii* ♀ × *superbum*), *G.C.* 1892, i. 718; *O.R.* 1893, 358; 1894, 273, f. 28; 1901, 145, f. 24.—*Winn*, 1892. [See Fig. 22.]

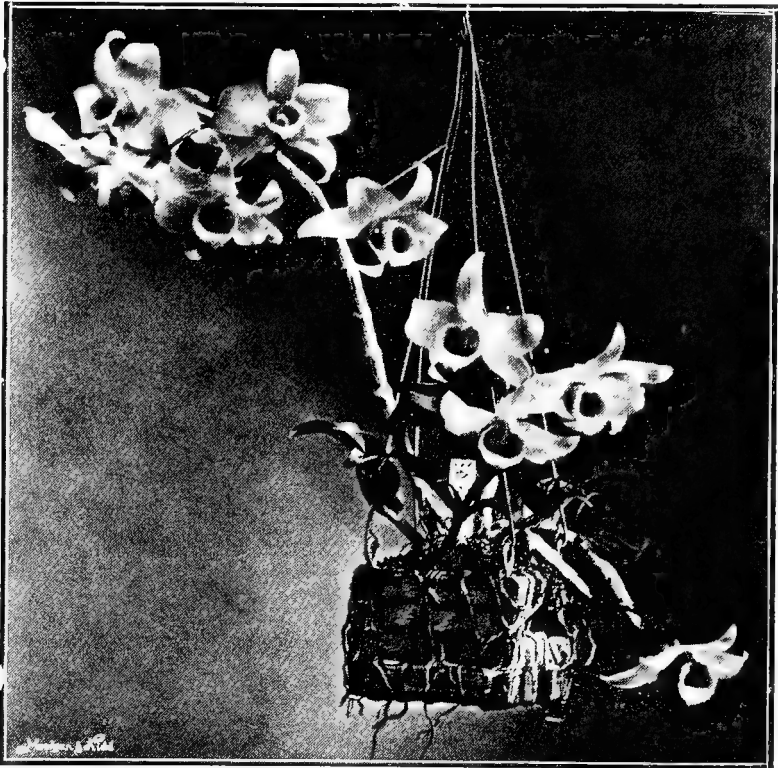


Fig. 22. DENDROBIUM × NESTOR.

58. **D. × Niobe** (nobile × tortile ♀), *G.C.* 1893, i. 456; *O.R.* 1893, 146; 1901, 170.—*Veitch*, 1893.

59. **D. × Ophir** (*aureum* ♀ × *signatum*), *O.R.* 1902, 100; 1903, 84; *G.C.* 1903, i. 142.—*Veitch*, 1902.

60. **D. × Pitcherianum** (nobile × *primulinum*), *O.R.* 1901, 73, 74; f. 9 (v. *Rolfeæ*); f. 10.

**D. × Rolfeæ** (*primulinum* ♀), *G.C.* 1892, i. 522; *O.R.* 1893, 357; 1894, 113, 114, f. 9 type, 10 (v. *roseum*); 1896, 74 (v. *candidulum*).

Originally described by *Reichenbach*, in 1888, as a natural hybrid (*G.C.* 1888, i. p. 392), from a plant imported by *Messrs. Sander*.

**61. D. × porphyrogastrum** (Huttoni ♀ × pulchellum), *G.C.* 1888, i. 660; 1895, ii. 48; *V. Man. O.* iii. 90; *O.R.* 1895, 255.—Veitch, 1888.

The second *G.C.* record that *D. superbum* var. *Huttoni* was one parent is erroneous.

**62. D. × rhodostoma** (Huttoni ♀ × sanguinolentum), *G.C.* 1876, i. 795; 1885, i. 472, f. 84, C. (fruit); *V. Man. O.* iii. 90; *O.R.* 1893, 39; *Day O. Draw.* xxxv. t. 71.—Veitch, 1876.

**63. D. × Roeblingianum** (nobile × Ruckeri ♀), *O.R.* 1893, 211.—Pitcher and Manda, 1893.

**64. D. × Rubens** (Ainsworthii ♀ × nobile), *G.C.* 1893, i. 226; *O.R.* 1893, 148; 1895, 102 (v. *grandiflorum*).—Cypher, 1893.

*D. × Euryalus*, *G.C.* 1893, i. 336; *G.M.* 1901, 148, f.; *O.R.* 1893, 128; 1894, 142; *J. H.* 1894, i. 315, 322, f. 52.—Veitch.

*D. × dellense*, *G.C.* 1894, i. 602; *O.R.* 1894, 185; *J.H.* 1894, i. 379, 386, f. 6i; *G.M.* 1894, 328, 329, t.—Schröder.

*D. × Apollo* (nobile ♀), *G.C.* 1895, i. 337; *O.R.* 1895, 102, 127; *J.H.* 1895, i. 245, f. 43 (v. *grandiflorum*), 1902, i. 201, f.; *G.M.* 1895, 188, 189, **suppl. f.** (v. *grandiflorum*).—Cypher.

*D. × Thalia*, *G.C.* 1896, i. 337; *O.R.* 1896, 122.—Lawrence.

*D. × whitefieldense*, *O.R.* 1899, 90.—Statter.

*D. × Virgil*, *G.C.* 1900, i. 143; *O.R.* 1900, 91; *G.M.* 1900, 235, f.—Haywood.

*D. × splendidissimum illustre*, *G.C.* 1895, i. 402.—Lee.

*D. × splendidissimum nobilius*, *G.C.* 1897, i. 177.—Veitch.

*D. × Socius*, *Sand. O. Guide*, 275.

*D. × Desdemona*, *Sand. O. Guide*, 337.

*D. × Dorothy*, *Sand. O. Guide*, 337.

*D. × Flora*, *Sand. O. Guide*, 338.

*D. × Hector*, *Sand. O. Guide*, 338.

*D. × Joan*, *Sand. O. Guide*, 338.

*D. × Othello*, *Sand. O. Guide*, 338.

*D. × Souvenir de Queen Victoria*, *Sand. O. Guide*, 338.

*D. × Sylvia*, *Sand. O. Guide*, 338.

**65. D. × Schneiderianum** (aureum × Findlayanum ♀), *G.C.* 1887, i. 209; 1897, i. 182; *V. Man. O.* iii. 90; *O.R.* 1893, 133; 1900, 169, f. 26 (with its parents); 1901, 137, f. 23.—Schneider, 1887. [See Fig. 23.]

**66. D. × Scylla** (× *Cybele* × *moniliforme*), *Gard.* 1903, i. 119; *O.R.* 1903, 366.—Veitch, 1903.

**67. D. × Sedeni** (*crepidatum* × *nobile* ♀).—Veitch, 1899.

*D. × crepidato-nobile*, *G.C.* 1899, i. 286; *O.R.* 1899, 189.

**68. D. × Sibyl** (*bigibbum* × *Linawianum* ♀), *G.C.* 1903, i. 395; 1896, i. 391; *O.R.* 1893, 157; 1894, 126; 1903, 113, f. 23; *G. World*, 1904, 319, f.—Cookson, 1893.

**69. D. × Spyersii** (*Kingianum* × *speciosum* ♀).—Lawrence, 1892.

*D. speciosum* × *Kingianum*, *G.C.* 1892, i. 409.

*D.* × *specio-Kingianum*, *Gard.* 1896, i. 201 ; *G.C.* 1896, i. 337.

*D.* × (unnamed), *O.R.* 1893, 16.

*D.* × *Kingianum-speciosum*, *Hans. O. Hyb.* 198.

*D.* × *Kingiano-speciosum*, *O.R.* 1896, 107.

70. *D.* × **Staffordi** (*Bensonæ* × *Cassiope* ♀), *O.R.* 1900, 147 ; 1901, 170 ; —Hardy, 1898.

*D.* × (unnamed), *O.R.* 1898, 131.

71. *D.* × **Stratius** (*moniliforme* ♀ × *pulchellum*), *G.C.* 1896, i. 593 ; *O.R.* 1896, 187.—Veitch, 1892.

*D.* × *striatum*, *G.C.* 1892, ii. 566 ; *O.R.* 1893, 358.

Originally flowered in February, 1892, as shown by flowers preserved at Kew. The first recorded name, *D.* × *striatum*, is said to have arisen through miscopying.



Fig. 23. *DENDROBIUM* × *SCHNEIDERIANUM* (with its parents).

72. *D.* × **Thompsonianum** (× *cheltenhamense* × *nobile* ♀), *O.R.* 1899, 120, 136.—Thompson, 1899.

73. *D.* × **Thwaitesiae** (× *Ainsworthii* ♀ × *Wiganiae*), *G.C.* 1903, i. 174, 1904, i. 274, f. 118 (Veitch's var.) ; *O.R.* 1903, 115, 120 ; *Gard.* 1903, i. 203, f. ; *G.M.* 1904, 273, f. ; *ŷ. H.* 1904, i. 401, f. (Veitch's var.)—Thwaites, 1903.

*D.* × *Pirene* (× *Wiganiae* ♀), *G.C.* 1903, i. 174 ; *O.R.* 1903, 115, 120.—Veitch.

74. *D.* × **Yannerianum** (*Falconeri* × *moniliforme* ♀), *G.C.* 1887, i. 72 ; *V. Man. O.* iii. 92 ; *O.R.* 1893, 133 ; 1895, 168.—Vanner, 1887.

75. *D.* × **Yeitchii** (*moniliforme* ♀ × *Wardianum*).—Veitch, 1889.

*D.* × *Wardiano-japonicum*, *G.C.* 1890, i. 207 ; 1891, i. 38.

*D.* × *Wardiano-moniliforme*, *Hans. O. Hyb.* 201.

This hybrid first flowered a year before it was recorded, as shown by flowers preserved at Kew.

76. *D.* × **Venus** (*Falconeri* ♀ × *nobile*), *G.C.* 1890, i. 608 ; 1900, ii. 94, 95, f. 24 ; *Reichenb.* ser. 2, ii. 5, t. 50, f. 1 ; *O.R.* 1893, 293 ; *ŷ.H.* 1899, i. 233, f. 58 ;



*Sem. Hort.* 1900, 233, 235, f. 79; *Dict. Ic. O. Dendr. hyb.* t. 3.—Cookson, 1890.

77. **D. × Virginia** (*Bensonæ* × *moniliforme* ♀), *G.C.* 1894, i. 343; *O.R.* 1894, 127, 171.—Veitch, 1894.

78. **D. × Vulcan** (× *chlorostele* ♀ × *Wardianum*), *O.R.* 1900, 71.—Chamberlain, 1900.

79. **D. × Waltoni** (*crassinode* × *Wardianum* ♀), *O.R.* 1900, 177, f. 29 (with its parents); 1901, 208.—Veitch, 1892. [See Fig. 24.]



Fig. 24. *DENDROBIUM* × *WALTONI* (with its parents).

*D. × crassinode-Wardianum*, *G.C.* 1892, i. 502.

Originally described as a natural hybrid in 1885 (*Gard.* 1885, i. 119), from a plant which flowered in the collection of Alfred Borwick, Esq., Higham Hill, Walthamstow (gr. Mr. Walton), but it is said to have appeared in the first importation of *D. Wardianum Lowii* received by Messrs. Hugh Low and Co. in 1885.

80. **D. × Whitei** (*nobile* × *pulchellum* ♀).—R. B. White, 1900.

*D. × Dalhou-nobile*, *G.C.* 1900, i. 371; *O.R.* 1900, 210; *ŷ.H.* 1900, i. 523, f. 141; *G.M.* 1900, 364, f.

*D. × Dalhousie-nobile*, *G.C.* 1900, i. 379, f. 125.

81. **D. × Wiganiaë** (*nobile* ♀ × *signatum*), *O.R.* 1896, 107, 123, 160; 1903, 113, f. 24; *G.C.* 1896, i. 337, 553, f. 84; *ŷ.H.* 1903, i. 245, f. (v. *xanthochilum*); *G. World*, 1903, 161, f. (v. *xanthochilum*).—Wigan, 1896. [See Fig. 17 (p. 75).]

Also raised by Messrs. Veitch and Sir Trevor Lawrence, and flowered at about the same period.

82. *D.* × *Wilsoni* (nobile ♀ × chlorostele), *O.R.* 1901, 196.—Wilson, 1901.

#### 14. *DISA*.

1. *D.* × *Diores* (*grandiflora* × *Veitchii* ♀), *O.R.* 1894, 238; 1898, 243.—Veitch, 1894.



Fig. 25. *DISA* × *PREMIER*.

Fig. 26. *D.* × *KEWENSIS*.

Fig. 27. *D.* × *LANGLEYENSIS*. Fig. 28. *D.* × *VEITCHII*.

(the upper centre and lower right-hand figures are *D. grandiflora* and *D. tripetaloides*, two of the parents).

*D.* × *Clio* (*grandiflora* ♀), *G.C.* 1898, ii. 168; *O.R.* 1898, 287; *J.H.* 1898, ii. 153, f. 29; *Gard.*, 1903, ii. 99, f.—Veitch.

2. *Disa* × *Elwesii* (× *kewensis* × *Veitchii*), *O.R.* 1903, 219. — Elwes, 1903. There is a slight doubt about the parentage of this hybrid.

3. **D. × kewensis** (*grandiflora* ♀ × *tripetaloides*), *G.C.* 1893, i. 625; 1895, ii. 273, f. 31; *O.R.* 1893, 193, 212; 1898, 241, 242, f. 10; *Gartenfl.* 1903, 57, t. 1510.—Kew, 1893. [See Fig. 26.]

4. **D. × langleyensis** (*racemosa* ♀ × *tripetaloides*), *G.C.* 1894, i. 602; ii. 35, f. 5; *O.R.* 1894, 186, 202, 203; 1898, 241, 242, f. 11; *Gartenfl.* 1902, 113, t. 1496, f. 1, 2.—Veitch, 1894. [See Fig. 27.]

Messrs. Veitch also made the reverse cross, and both were also made at Kew, and all flowered at about the same time.

5. **D. × Luna** (*racemosa* ♀ × *Veitchii*); *G.C.* 1902, i. 314; *O.R.* 1902, 179; *ŷ.H.* 1902, i. 485, f.—Veitch, 1902.

6. **D. × Premier** (*tripetaloides* ♀ × *Veitchii*), *G.C.* 1893, ii. 470; *O.R.* 1893, 339, 351; 1898, 241, 242, f. 8; *G.M.* 1893, 658, f.—Kew, 1893. [See Fig. 25.]

7. **D. × Veitchii** (*grandiflora* × *racemosa* ♀), *G.C.* 1891, i. 741; 1894, ii. 93, f. 14; *O.R.* 1893, 194, 323; 1898, 241, 242, f. 12; *ŷ.H.* 1901, ii. 145, f.; *Gartenfl.* 1902, 113, t. 1496, f. 3, 4; *Dict. Ic. O.* *Disa* *hyb.* t. 1.—Veitch, 1891.

[See Fig. 28.]

8. **D. × Watsoni** (*grandiflora* × *kewensis* ♀), *O.R.* 1900, 247.—Kew, 1900. **D. × kewensis** *superba*, *G.C.* 1900, ii. 54; *O.R.* 1900, 247.

## 15. DOSSINIMARIA.

A genus established to contain the following hybrid between *Dossinia* and *Hæmaria*.

1. **Dossinimaria × Dominyi** (*Dossinia marmorata* × *Hæmaria discolor*), *ŷ. L. Soc.* xxiv. 170.—Veitch, 1861.

*Anæctochilus × Domini*, *G.C.* 1861, 531; *O.R.* 1893, 5.

## 16. EPICATTLEYA.

A genus established to contain the hybrids between *Cattleya* and *Epidendrum*.

1. **Epicattleya × Lilianæ** (*C. Gaskelliana* ♀ × *E. costaricense*), *ŷ. S. H. Fr.* 1903, 766; *ŷard.* 1903, 384.—Maron, 1903.

2. **E.-c. × matutina** (*C. Bowringiana* ♀ × *E. radicans*), *G.C.* 1897, i. 210, 232, 233, f. 77; *O.R.* 1897, 110, 127.—Veitch, 1897.

3. **E.-c. × Nebo** (*C. × Claesiana* × *E. × O'Brienianum* ♀), *Amer. G.* 1902, 483.—Thayer, 1902.

4. **E.-c. × O'Brienæ** (*C. Bowringiana* ♀ × *E. × O'Brienianum*).—Veitch, 1899.

*E.-c. × Mrs. James O'Brien* *G.C.* 1899, i. 31, 37, f. 11; *O.R.* 1899, 63.

5. **E.-c. × Orpeti** (*C. amethystoglossa* ♀ × *E. × O'Brienianum*), *O.R.* 1901, 114, 288.—Thayer, 1901.

*E.-c. × Orpetiana*, *Amer. G.* 1901, 251, 272.

6. **E.-c. × Sedeni** (*C. Bowringiana* ♀ × *E. radiatum*).—Veitch, 1898.

*E.-c. × radiato-Bowringiana*, *G.C.* 1898, i. 385, 391, f. 146; *O.R.* 1898, 198, 220; *G.M.* 1898, 385, f.

## 17. EPIDENDRUM.

1. **E.** × **Acis** (cinnabarinum × O'Brienianum ♀).—Thayer, 1901.

E. × (unnamed), *O.R.* 1901, 103.

2. **E.** × **Berkeleyi** (× O'Brienianum × Stamfordianum ♀), *O.R.* 1899, 10.  
—Berkeley, 1898.

3. **E.** × **Boundii** (× Burtoni × radicans ♀), *O.R.* 1903, 175.—Colman, 1903.

4. **E.** × **Burtoni** (ibaguense ♀ × O'Brienianum), *O.R.* 1899, 73, 94, 135; 1903, 134.—Burton, 1899.

The reverse cross was made at the same time, but was rather later in flowering.

5. **E.** × **Cassiope** (radicans × vitellinum ♀).—Veitch, 1897.

E × radico-vitellinum, *G.C.* 1897, ii. 16; *O.R.* 1897, 301, 314; 1898, 225.

6. **E.** × **Charlesworthii** (Frederici-Gulielmi ♀ × radicans).—Charlesworth, 1899.

E. × (unnamed), *O.R.* 1899, 333.

7. **E.** × **Clarissa** (× elegantulum × Wallisii ♀), *G.C.* 1900, i. 239; *O.R.* 1900, 155; 1901, 154 (v. superbum); *ŷ.H.* 1901, i. 341, **f.** (v. superbum).—Veitch, 1900.

E. Wallisii has been used as a parent three times over in the production of this hybrid, its composition being seven-eighths E. Wallisii and one-eighth E. Endresii.

8. **E.** × **Cuco** (cochleatum × cucullatum), *Amer. G.* 1902, 670, **f.** 138.—Mead, 1902.

9. **E.** × **dellense** (radicans × xanthinum ♀), *G.C.* 1891, i. 502; *O.R.* 1893, 44, 324; 1896, 189.—Schröder, 1891.

E. × xantho-radicans, *G.C.* 1897, i. 210; *O.R.* 1897, 126.—Lawrence.

10. **E.** × **Delphi** (× O'Brienianum × pristis), *G.C.* 1903, i. 142; *O.R.* 1903, 85.—Veitch, 1903.

11. **E.** × **elegantulum** (× Veitchii × Wallisii ♀), *G.C.* 1896, i. 337, 361, **f.** 49; *O.R.* 1896, 108, 124; *ŷ.H.* 1896, i. 251, **f.** 46; 1899, i. 381, **f.** 85 (v. luteum); *G.M.* 1899, 276, 277, **f.** (v. luteum); *Dict. Ic. O. Epidend.* hyb. t. 1, 1 a (v. leucochilum).—Veitch, 1896.

12. **E.** × **Galatea** (cinnabarinum × radicans).—Thayer, 1901.

E. × (unnamed), *Amer. G.* 1901, 331, **f.** 7, n. 2; *O.R.* 1901, 179.

13. **E.** × **heatonense** (Cooperianum ♀ × O'Brienianum).—Charlesworth, 1899.

E. × (unnamed), *O.R.* 1899, 333.

E. × Tennyson, *Sand. O. Guide*, 338.

14. **E.** × **kewense** (evectum ♀ × xanthinum), *O.R.* 1903, 6.—Kew, 1902.

The reverse cross was also made, and the seedlings flowered a few months later than the original.

15. **E.** × **langleyense** (pseudepidendrum × Wallisii ♀), *G.C.* 1899, i. 402; *O.R.* 1899, 223.—Veitch, 1899,

16. **E. × O'Brienianum** (evectum ♀ × radicans), *G.C.* 1888, i. 770, 771, f. 103 (and parents); *V. Man. O.* vi. 128, 129, f. (and parents); *O.R.* 1893, 227; *Dict. Ic. O. Epidend.* hyb. t. 2.—Veitch, 1888.
17. **E. × Olenus** (radicans × Stamfordianum ♀).—Veitch, 1898.  
E. × radicans-Stamfordianum, *O.R.* 1898, 198, 220, 287; *G.C.* 1898, ii. 168.
18. **E. × Orpeti** (elongatum × O'Brienianum ♀).—Thayer, 1901.  
E. × (unnamed), *Amer. G.* 1901, 331, f. 71, n. 1 and 4; *O.R.* 1901, 179.
19. **E. × Phœbus** (O'Brienianum × vitellinum ♀), *O.R.* 1898, 169.—Veitch, 1898.
20. **E. × Sedeni** (ciliare ♀ × Wallisii).—Veitch, 1894.  
E. × Wallisio-ciliare, *G.C.* 1894, ii. 730; *O.R.* 1895, 14, 32; *J.H.* 1900, i. 89, f. 20 (v. superbum); *Gard.* 1900, i. 422. f.
21. **E. × Thayeri** (× O'Brienianum ♀ × radicans).—Thayer, 1901.  
E. × (unnamed), *O.R.* 1901, 103.
22. **E. × Veitchii** (Endresii × Wallisii ♀).—Veitch, 1892.  
E. × Endresio-Wallisii, *G.C.* 1892, i. 88; *O.R.* 1893, 104, 356.  
E. × Armstrongii, *Sand. O. Guide*, 276.

### 18. EPILÆLIA.

A genus established to contain the hybrids between *Epidendrum* and *Lælia*.

1. **E.-l. × belairensis** (E. ciliare × L. autumnalis ♀).—Mantin, 1897.  
*Læliodendron* × *bellaerense*, *J. S. H. Fr.* 1897, 602.
2. **E.-l. × Charlesworthii** (E. radicans × L. cinnabarina ♀), *G.C.* 1898, i. 334; *O.R.* 1898, 169, 189; 1899, 254.—Charlesworth, 1898.
3. **E.-l. × Eros** (E. ciliare × L. Dayana ♀), *G.C.* 1901, ii. 297; *O.R.* 1901, 349.—Veitch, 1901.
4. **E.-l. × Hardyana** (E. ciliare ♀ × L. anceps), *G.C.* 1894, ii. 605, 629, f. 80; *O.R.* 1894, 364, 376; 1895, 99.—Baron N. Rothschild, 1894.  
The *Epilælia* × *Hardyana* of the *Dict. Icon. des Orch.* is quite different. See *Læliocattleya* × *Amelia*.
5. **E.-l. × heatonensis** (E. × O'Brienianum × L. cinnabarina ♀), *G.C.* 1899, i. 361; *O.R.* 1899, 219; 1900, 92, 118.—Charlesworth, 1899.
6. **E.-l. × Lawrencei** (E. vitellinum × L. tenebrosa).—Lawrence, 1902, E.-l. × (unnamed), *G.C.* 1902, ii. 112; *O.R.* 1902, 272.
7. **E.-l. × Margaritæ** (E. Parkinsonianum × L. grandis ♀)—Mantin, 1897.  
*Læliodendron* × *Margaritæ*, *J. S. H. Fr.* 1897, 1245.  
The pollen parent is recorded as *E. falcatum* or *Parkinsonianum*, but we believe it was the latter.
8. **E.-l. × Sylvia** (L. cinnabarina × E. Cooperianum ♀), *G.C.* 1902, i. 218; *O.R.* 1902, 118, 157; 1904, 169.—Charlesworth, 1902.  
E.-l. × *Aspasia* (L. cinnabarina ♀), *G.C.* 1903, i. 302; *O.R.* 1903, 179.—Charlesworth.

9. **E.-l.** × **Veitchii** (*Epidendrum radicans* × *Lælia purpurata* ♀).—Veitch, 1897. [See Fig. 29.]

*E.-l.* × *radico-purpurata*, *G.C.* 1897, ii. 61, 78, 83, f. 23; *O.R.* 1897, 229, 232, 256, 273, f. 12 (with *Epidendrum* parent).

10. **E.-l.** × **Whitei** (*E. fucatum* × *L. cinnabarina*).—Lawrence, 1902.

*E.-l.* × (unnamed), *G.C.* 1902, ii. 112; *O.R.* 1902, 272.

### 19. EPIPHRONITIS.

A genus established to contain the hybrids between *Epidendrum* and *Sophronitis*.

1. **E.-ph.** × **Orpeti** (*E.* × *O'Brienianum* × *S. violacea*).—Thayer, 1901.

*Sophronitis violacea* × *Epidendrum* × *O'Brienianum*, *Amer. G.* 1901, 331, f. 71, n. 3; *O.R.* 1901, 179.



Fig. 29. *EPIPHELIA* × *VEITCHII* (with *Epidendrum* parent).

2. **E.-ph.** × **Veitchii** (*E. radicans* × *S. grandiflora* ♀), *G.C.* 1890, i. 799; *O.R.* 1893, 116, 291; 1896, 48; 1898, 296; 1903, 314; *Rev. H.* 1896, 480, t.; *Gtfl.* 1897, 553, 555 f. 74; *Wien Ill. G. Zeit.* 1897, 160, 161, f. 24; *J.H.* 1899, i. 514, f. 112; *J. R. H. S.* xxiv. 16, 17, f.; *Dict. Ic. O. Epiph. hyb.* t. 1.—Veitch, 1890.

A remarkable hybrid, most resembling a dwarfed edition of the pollen parent in habit.

### 20. LÆLIA.

1. **L.** × **amœna** (*anceps* × *pumila* ♀), *G. C.* 1894, ii. 447; *O.R.* 1894, 334, 351; 1904, 372.—Ingram, 1894.

2. **L.** × **Briseis** (*harpophylla* ♀ × *purpurata*), *G.C.* 1897, ii. 438; *G.M.* 1898, 68, f.; *O.R.* 1898, 31, 351.—Douglas, 1897.

*L.-c.* × (unnamed), *J. S. H. Fr.* 1902, 229.—Fournier.

♦ 3. **L.** × **cinnabrosa** (cinnabarina ♀ × tenebrosa), *O.R.* 1898, 189; *Dict. Ic. O. Læl. hyb.* t. 9.—Charlesworth, 1898.

**L.** × Halévy (tenebrosa ♀), *ŷ. S. H. Fr.* 1902, 651.—Maron.

4. **L.** × **Coronet** (cinnabarina ♀ × harpophylla), *G.C.* 1902, i. 151; *O.R.* 1902, 157.—Charlesworth, 1902.

5. **L.** × **crispabrosa** (crispa × tenebrosa), *G.C.* 1903, ii. 64; *O.R.* 1903, 243; 1904, 244.—Sander, 1903.

6. **L.** × **Diana** (Dayana × purpurata ♀), *G.C.* 1901, i. 413; *O.R.* 1901, 197, 219, 249, f. 34.—(Winn) Hurst, 1900.

[See Fig. 30.]



Fig. 30. **LÆLIA** × **DIANA**.

**Lælio-cattleya** × **Hurstii**, *O.R.* 1900, 287.

The earliest record that *Cattleya Skinneri* was one of the parents is believed to be erroneous.

7. **L.** × **Dutremblayi** (cinnabarina ♀ × grandiflora).—Dutremblay, 1902.

**L.** × Monsieur Dutremblay, *ŷ. S. H. Fr.* 1902, 632.

8. **L.** × **Edissa** (anceps ♀ × purpurata), *G. C.* 1900, i. 143; *ŷ. H.* 1900, i. 194, 195, f. 51; *G. M.* 1900, 193, 195, f.; *Gard.* 1900, i. 175, f.; *O. R.* 1900, 92.—Veitch, 1900.

9. **L.** × **Euterpe** (crispa × Dayana ♀), *G.C.* 1888, ii. 533; 1893, ii. 536;

1899, ii. 301; *O.R.* 1893, 259, 373; 1895, 31; 1899, 350 (Tyntesfield var.).—Veitch, 1888.

*L.* × *Gemma*, *G.C.* 1900, ii. 346; *O.R.* 1900, 371.—Sander.

10. *L.* × **Exquisite** (*Dayana* × *Perrinii* ♀), *G.C.* 1897, i. 51; *O.R.* 1897, 62.—Ingram, 1897.

11. *L.* × **flammea** (*cinnabarina* ♀ × *Pilcheri*), *G.C.* 1874, i. 599; 1876, i. 394; *Fl. and Pom.* 1874, 116, 133, t.; *O.A.* v. t. 217; *Day O. Draw.* xxxi. t. 57.—Veitch, 1874.

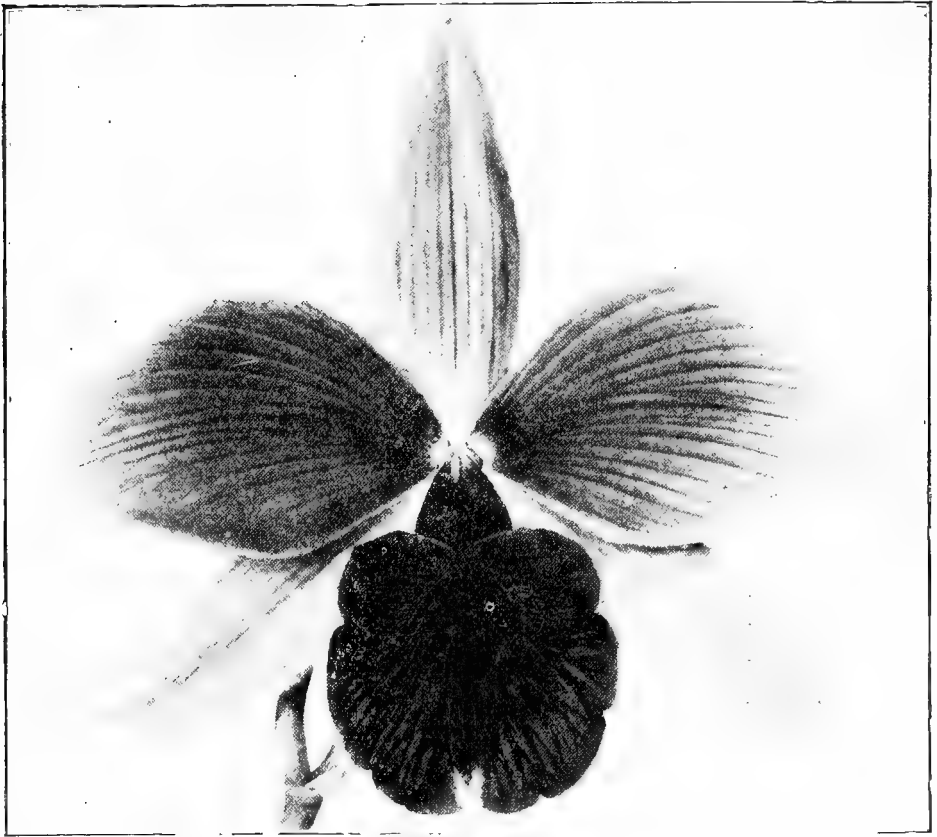


Fig. 31. *LÆLIA* × *IONA* VAR. *NIGRESCENS*.

*L.* × *Veitchii*, *Nich. Dict.* ii. 229.

12. *L.* × **Flavina** (*flava* × *pumila* ♀), *G.C.* 1902, i. 251; *O.R.* 1902, 147.—Veitch, 1902.

13. *L.* × **Gravesiæ** (*crispa* × *pumila* ♀), *Bohnh. Dict. O. Hyb.* 41; *Hans. O. Hyb.* 323; *Boyle Woodl. O.* 1901, 88.—Sander, 1895.

There is a slight doubt about the parentage. We have followed the original record, but Messrs. Sander, who raised it, give the parentage as *L. pumila*



Dayana × crispa Buchaniana (*O. Guide*, pp. 99, 276), which would make it a form of *L. × Euterpe*.

14. *L. × Icarius* (cinnabarina ♀ × flava), *G.C.* 1902, i. 50; *O.R.* 1902, 51; (*Icarus*).—Veitch, 1902.

15. *L. × Ingramiæ* (*Perrinii* × *purpurata* ♀).—Ingram, 1897.

*L. × Lucy Ingram*, *G.C.* 1897, i. 51; 1902, i. 70; *O.R.* 1897, 62; *G.M.* 1897, 92, 93, f.

16. *L. × Iona* (*Dayana* × *tenebrosa* ♀), *G.C.* 1899, ii. 233; *O.R.* 1899, 315; 1901, 327; 1905, 166, 168, f. 36 (v. *nigrescens*); *Gard.* 1903, ii. 168, f. (*Southgate var.*).—Charlesworth, 1899. [See Fig. 31.]

17. *L. × juvenilis* (*Perrinii* ♀ × *pumila*), *Orchidoph.* 1890, 240, t.; *ŷ. S. H. Fr.* 1890, 636; *Lind.* ix. t. 415; *O.R.* 1893, 293; 1897, 28; 1901, 30; *Dict. Ic. O. Læ.* hyb. t. 8 (v. *Fournieri*).—Bleu, 1890.

*L. ×* (unnamed) (*pumila* ♀), *ŷ. S. H. Fr.* 1893, 721.—Perrenoud.

*L. × Clarinda*, *G.C.* 1896, ii. 471; *O.R.* 1896, 348, 359.

*Læliocattleya × juvenilis*, *ŷ. S. H. Fr.* 1896, 1063; *Sand. O. Guide*, 278.—Bleu.

18. *L. × Latona* (cinnabarina ♀ × *purpurata*), *G.C.* 1892, i. 598; *ŷ. H.* 1892, i. 353, f. 61; 1902, i. 379, f.; *O.R.* 1893, 10, 357; 1896, 150; 1897, 99; *Dict. Ic. O. Læ.* hyb. t. 3; *ŷ. S. H. Fr.* 1899, 375; *Chron. O.* 196, 296 (v. *inversa*).—Veitch, 1892.

• *L. × Yula*, *Sand. O. Guide*, 276.

*L. × purpurato-cinnabarina*, *Sand. O. Guide*, 338.

*L. × Zula*, *Amer. G.* 1903, 107.—Rothwell.

19. *L. × Mantinii* (*grandis* × *purpurata* ♀).—Mantin, 1898.

*L. × purpurato-grandis*, *ŷ. S. H. Fr.* 1898, 440; *Dict. Ic. O. Læ.* hyb. t. 5; *O.R.* 1903, 179.

20. *L. × Minerva* (× *Latona* × *tenebrosa*), *Gard.* 1903, i. 380; *O.R.* 1903, 182.—Keeling.

21. *L. × Mozart* (*Boothiana* × *tenebrosa*), *G.C.* 1901, i. 305; *O.R.* 1901, 181.—Leemann, 1901.

There is some confusion in the records of "*L. × Mozart*," both *L. tenebrosa* and *purpurata* having been recorded as the second parent. We have followed the original, for otherwise it would be a synonym of *L. × pulcherrima*, which see.

22. *L. × Nemesis* (*anceps* × *superbiens* ♀), *G.C.* 1902, i. 85; *O.R.* 1902, 52, 56.—Crawshay, 1901.

23. *L. × nigrescens* (*pumila* ♀ × *tenebrosa*), *ŷ. S. H. Fr.* 1899, 46; *G.C.* 1899, ii. 58; *O.R.* 1899, 254, 291, 337, f. 17; 1901, 30; *Amer. G.* 1900, 709, f.—Maron, 1898. [See Fig. 32.]

*L. × Alpha*, *O.R.* 1899, 337.—Thayer.

*L. × Eveline*, *G.C.* 1900, i. 409; *O.R.* 1900, 212.—Miller.

Two hybrids may have been confused here, for the original record of *L. × nigrescens* was *L. Dayana* × *tenebrosa*, though it was subsequently altered. The figures cited represent *L. × Alpha*, whose origin is clear. We should like to see the point cleared up.

24. **L. × Olivia** (crispa ♀ × xanthina), *G.C.* 1897, ii. 387; *O.R.* 1898, 29; 1901, 349.—Veitch, 1897.

25. **L. × Omen** (autumnalis × purpurata ♀), *G.C.* 1896, ii. 667; *O.R.* 1897, 29; 1899, 31; *G.M.* 1902, 9, f.—Veitch, 1896.

26. **L. × Oweniana** (Dayana ♀ × xanthina), *G.C.* 1892, ii. 191; 1893, i. 682; *O.R.* 1893, 11, 212, 357.—Sander, 1892.

27. **L. × Pacavia** (purpurata ♀ × tenebrosa), *G.C.* 1901, ii. 172; *O.R.* 1901, 285.—Veitch, 1901.

28. **L. × Pilcheri** (crispa × Perrinii ♀), *Fl. M.* 1867, t. 340; *G.C.* 1867, 239; 1870, 315 (v. alba); *O.R.* 1893, 5.—Veitch, 1865.

*Cattleya* × *Pilcheri*, *G.C.* 1865, 222; *J. R. H. S.* 1865, 66.



Fig. 32. *L. LELIA* × *NIGRESCENS*.

*L. × Pilcheriana*, *G.C.* 1868, 815; 1886, i. 617 (in note); *V. Man. O.* ii. 97; *Day O. Draw.* xli. t. 33.

*L. × lilacina* (*G.C.* 1868, 342, 617; *O.R.* 1893, 132) is believed to be a natural hybrid with the same parentage. It appeared in the collection of F. A. Philbrick, Esq., of Oldfield.

29. **L. × pulcherrima** (Boothiana × purpurata), *G.C.* 1899, ii. 198; *O.R.* 1900, 287; 1901, 224.—Sander, 1899.

*L. × Baden-Powell*, *Sand. O. Guide*, 338.

*L. × Mozart*, *G.C.* May 25, 1901, Suppl. 1; *O.R.* 1901, 187.—Charlesworth.

**30. L. × Ragotiana** (cinnabarina × grandis ♀), *ŷ. S. H. Fr.* 1898, 438; 1902, 475; *Chron. O.* 114; *G.C.* 1899, i. 362; *O.R.* 1899, 219.—Ragot, 1898.

**31. L. × splendens** (crispa ♀ × purpurata), *G.C.* 1897, ii. 188; *O.R.* 1897, 318.—Ingram, 1897.

**32. L. × Stanislaus** (autumnalis × cinnabarina ♀), *Charlesw. Cat.* 1903, 68.—Charlesworth, 1902.

L. × autumn-cinnabarina (autumnalis ♀), *Dict. Ic. O. Læli. hyb. t. 7*; *O.R.* 1903, 30.—Lawrence.

L. autumnalis cinnabarina, *G.C.* 1903, i. 19.—Clark.

**33. L. × stellata** (harpophylla ♀ × tenebrosa), *O.R.* 1898, 218.—Statter, 1898.

L. × stilata, *G.C.* 1898, ii. 36.

## 21. LÆLIOCATTLEYA.

**1. L.-c. × Acis** (C. Mendelii × L. tenebrosa ♀), *O.R.* 1902, 220; 1903, 341.—(Sander) Miller, 1902.

L.-c. × Eugène Coutin (C. Mendelii ♀), *ŷ. S. H. Fr.* 1902, 747.—Truffaut.

L.-c. × Gladiator, *G.C.* 1903, ii. 28; *O.R.* 1903, 243.—Sander.

**2. L.-c. × Ada** (C. Lueddemanniana × L.-c. × Schilleriana ♀), *G.C.* 1899, ii. 350; *O.R.* 1899, 348.—Leemann, 1899.

**3. L.-c. × Adolphus** (C. Aclandiæ × L. cinnabarina ♀), *G.C.* 1898, ii. 110; 1902, ii. 111, f. 37 (v. superba); *O.R.* 1898, 253; 1899, 252; *G.M.* 1899, 580, f. ; 1902, 666, f. (v. superbus); *ŷ.H.* 1902, ii. 169, f. (v. superbus).—Charlesworth, 1898.

L.-c. × Donizetti (Aclandiæ ♀), *ŷ. S. H. Fr.* 1901, 908.—Maron.

**4. L.-c. × Agnes** (L.-c. × callistoglossa × L.-c. × Schilleriana ♀), *O.R.* 1901, 302.—Keeling, 1901.

**5. L.-c. × albanensis** (C. Warneri × L. grandis ♀), *O.R.* 1895, 164; *Dict. Ic. O. L.-c. hyb. t. 6*.—Linden, 1895.

L.-c. × Varjenevskyana, *Lind. x. t.* 466.

This appeared first as a natural hybrid, in the establishment of Messrs. Sander. See *O.R.* 1893, 339.

**6. L.-c. × Alberti** (C. velutina × L. purpurata), *Lind. xvi. t.* 723; *O.R.* 1901, 15; *ŷ. R. H. S.* xxvi. 946.—Linden, 1900.

This hybrid most resembles the Lælia parent, being cream-white with purple radiating veins on the lip's disc, but the smaller size, and the shape of the lip, including its small side lobes, show the influence of the other parent.

**7. L.-c. × Alexandræ** (C. Trianæ × L.-c. × bella ♀).—Veitch, 1902.

L.-c. × Queen Alexandra, *G.C.* 1902, i. 116, 340, **Suppl. f. ; 413, col. t. ;** *O.R.* 1902, 89; *ŷ.H.* 1902, i. 181, f.

**8. L.-c. × Amazone** (C. maxima × L. purpurata), *G.C.* 1899, i. 362; *O.R.* 1899, 219; 1903, 213.—Ingram, 1899.

L.-c. × Dante, *G.C.* 1903, i. 419.—Charlesworth.

**9. L.-c. × Amelia** (C. intermedia ♀ × L. cinnabarina), *G.C.* 1898, ii. 375, 411; *O.R.* 1898, 370, 372 (unnamed).—Gratrix, 1898.

L.-c. × intermedio-cinnabarina, *O.R.* 1899, 316; *G.C.* 1900, ii. 270.—Charlesworth.

L.-c. × elegantissima, *ŷ. S. H. Fr.* 1900, 795.—Cappe.

Epilælia × Hardyana, *Dict. Ic. O. Epilæli. hyb. t. 1* (not the original plant).—De Lairese.

**10. L.-c. × Amesiana** (C. maxima × L. crispa ♀), *ŷ.L.Soc.* xxiv. 169.—Veitch, 1884.

L. × Amesiana, *G.C.* 1884, i. 109; *O.A.* vi. t. 253; *O.R.* 1893, 101; *Day O. Draw.* xxxix. t. 67.

Cattleya × Amesiana, *Will. O. Gr. Man.* ed. 6, 173.

**11. L.-c. × amœna** (C. Loddigesii ♀ × L. Perrinii), *ŷ.d.O.* iii. 281; *Lind.* viii. t. 367 (v. delicata).—Bleu, 1887.

L. c. × (unnamed), *ŷ. S. H. Fr.* 1887, 678.

C. × amœna, *Orchidoph.* 1891, 273, t.; *O.R.* 1893, 323.

**12. L.-c. × Andreana** (C. bicolor ♀ × L.-c. × Schilleriana), *Rev. H.* 1895, 401; 1896, 328, t.; *ŷ. S. H. Fr.* 1895, 558; *O.R.* 1895, 293.—Maron, 1895.

L.-c. × elegans-bicolor, (Schilleriana ♀), *ŷ. S. H. Fr.* 1898, 440; *Chron. O.* 183.—Mantin.

From the description and figure we believe that L.-c. × Schilleriana (not L.-c. × elegans, as recorded) was the second parent of this hybrid.

\* **13. L.-c. × Antigone** (C. Schilleriana × L. purpurata ♀), *ŷ. S. H. Fr.* 1901, 212; *Chron. O.* 297; *O.R.* 1901, 338.—Maron, 1900; Peeters, 1901.

L.-c. × purpurato-Schilleriana, *ŷ. S. H. Fr.* 1900, 60; *G.C.* 1902, i. 183; *O.R.* 1902, 124.—Maron.

L.-c. × Aspasia, *ŷ. S. H. Fr.* 1901, 1062.—Dallemagne.

L.-c. × Aleschiana, *Lind.* xvi. t. 754.—Linden.

\* L.-c. × Duchesnei, *Lind.* xvii. t. 777.—Linden.

L.-c. × Pauli, *Lind.* xvii. t. 784.—Linden.

L.-c. × Hermann Holmes, *O.R.* 1900, 247.—Holmes.

**14. L.-c. × Antimachus** (C. Warscewiczii ♀ × L.-c. × Dominiana), *G.C.* 1899, ii. 318; *O.R.* 1899, 347.—Veitch, 1899.

\* **15. L.-c. × Aphrodite** (C. Mendelii ♀ × L. purpurata), *G.C.* 1895, i. 721; *O.R.* 1895, 199, 219; *G.M.* 1899, 345, 348, f. (v. Ruth); 1902, 531, f. (v. King Edward VII.); *ŷ.H.* 1899, ii. 34, f. 9 (v. Ruth).—Baron E. Rothschild, 1894.

L.-c. × (unnamed), *ŷ. S. H. Fr.* 1894, 314; *Rev. H.* 1894, 334.—Baron E. Rothschild.

L.-c. × Eudora (purpurata ♀), *G.C.* 1896, i. 593; *O.R.* 1896, 186, 224; *ŷ.H.* 1899, ii. 406, 407, f. 75 (v. Madame Albert Hye).—Ingram.

L.-c. × regalis, *G.C.* 1896, i. 740; *O.R.* 1896, 221, 224.—Ingram.

L.-c. × Jacobiana, *ŷ. S. H. Fr.* 1896, 699; *Monit. d'Hort.* 1896, 185, t.—Baron E. Rothschild.

L.-c. × armainvillierensis, *ŷ.S.H.Fr.* 1896, 790.—Baron E. Rothschild.

The name L.-c. × Jacobiana was not recorded when the hybrid was first exhibited in 1894, or it must have superseded L.-c. × Aphrodite. The

latter was exhibited in 1895 by W. R. Lee, Esq., but the actual raiser is not recorded.

\* **16 L.-c. × Ascania** (C. Trianæ ♀ × L. xanthina), *G.C.* 1893, i. 518; *O.R.* 1893, 167; *ŷ.H.* 1893, i. 351, f. 65.—Veitch, 1893.

• **17. L.-c. × Astoriæ** (C. Gaskelliana ♀ × L. xanthina).—Sander, 1894.

L.-c. × The Hon. Mrs. Astor, *G.C.* 1894, i. 230, 231, f. 24; *O.R.* 1894, 94, 111; *ŷ.H.* 1894, i. 141, f. 22; *Reichenb.* ser. 2, ii. 97, t. 89; *G.M.* 1894, 103, f.; *Amer. G.* 1894, 240, f.

♯ L.-c. × Prince Yellow (xanthina ♀), *ŷ. S. H. Fr.* 1901, 211.—Maron.

L.-c. × Ascania, *O.R.* 1902, 317, 351.

L.-c. × Yellow Prince, *G.C.* 1899, ii. 426; *O.R.* 1899, 371; *Rev. H.* 1903, 12, t.—Maron.

**18. L.-c. × Astræa** (C. Dowiana × L. × Euterpe ♀).—Sander, 1902.

L.-c. × Euterpe-aurea, *G.C.* 1902, ii. 313; *Gard.* 1902, ii. 295; *Sand. O. Guidc.* 339.

**19. L.-c. × aurelianensis** (C. Leopoldi × L.-c. × Schilleriana ♀), *ŷ. S. H. Fr.* 1895, 799.—Mantin, 1895.

L.-c. × bellaerensis, *ŷ. S. H. Fr.* 1895, 671, 680.

The parents are recorded as “*Lælia elegans* × *G. guttata*,” but the hybrid is said to most resemble *C. intermedia*, and it is believed that the above represents its origin.

**20. L.-c. × Aurora** (C. Loddigesii × L. Dayana ♀), *G.C.* 1889, ii. 380; *O.R.* 1893, 261.—Veitch, 1892.

• **21. L.-c. × Baden-Powellii** (C. Lawrenceana × L. tenebrosa ♀).—Hye, 1900.

L.-c. × General Baden-Powell, *G.C.* 1900, March 26, Suppl. 1.

L.-c. × Major-General Baden-Powell, *O.R.* 1900, 174.

**22. L.-c. × Ballii** (C. Schröderæ × L. cinnabarina ♀), *O.R.* 1902, 156.—Veitch, 1900.

L.-c. × G. S. Ball, *G.C.* 1900, i. 302; *O.R.* 1900, 171, 176.—Veitch, 1900.

L.-c. × cinnabarino-Schröderæ, *O.R.* 1903, 147.—De Smet-Duvivier.

L.-c. × flaveola, *ŷ. S. H. Fr.* 1901, 97, 212.—Doin.

**23 L.-c. × Behrensiana** (C. Loddigesii × L.-c. × Schilleriana ♀), *G.C.* 1891, ii. 254; *O.R.* 1893, 325; *Reichenb.* ser. 2, ii. 29, t. 62.—Sander, 1891.

C. × Behrensiana (Loddigesii ♀), *ŷ.S.H.Fr.* 1895, 671.—Mantin.

L.-c. × Behrensiana inversa (Loddigesii ♀), *ŷ. S. H. Fr.* 1895, 681; 1897, 609.—Mantin.

We are not certain that M. Mantin’s hybrid belongs here. In one case *L. elegans colorata* was recorded as the pollen parent, and if that means *elegans* typical the hybrid would be a form of *L.-c. × Zenobia*, but we do not find a description to settle the point. *L.-c. × elegans* was originally recorded as the seed parent of Messrs. Sander’s hybrid, but it was afterwards amended to *L.-c. × Schilleriana*.

**24. L.-c. × belairensis** (C. Bowringiana ♀ × L. autumnalis), *G.C.* 1896, ii. 534; *O.R.* 1896, 325, 350.—Mantin, 1896.

L.-c. × *bellaerensis*, *ŷ. S. H. Fr.* 1897, 954.

**25. L.-c. × bella** (*C. labiata* × *L. purpurata* ♀), *ŷ. L. Soc.* xxiv. 169.—Veitch, 1884.

L.-c. × *bella*, *G.C.* 1884, i. 174; *O.R.* 1893, 101.

L.-c. × *Wellsiæ*, *G.C.* 1894, ii. 378; *O.R.* 1904, 349.—Wells.

L.-c. × T. W. Bond (*C. labiata* ♀), *G.C.* 1896, ii. 471; *O.R.* 1896, 347, 359.

—Ingram.

L.-c. × *illuminata*, *ŷ. S. H. Fr.* 1893, 991.—Cahuzac.

**26. L.-c. × Beranekii** (*C. Mossiæ* × *L. Perrinii* ♀).—Beranek, 1902.

L.-c. × *Perrino-Mossiæ*, *ŷ. S. H. Fr.* 1902, 747; *Rev. H.* 1902, 582.

**27. L.-c. × Bertha** (*C. Schroederæ* × *L. grandis* ♀), *Gard.* 1901, i. 369; *O.R.* 1901, 255.—R. H. Measures, 1901.

L.-c. × *Sheila*, *Sand. O. Guide*, 340.

**28. L.-c. × Bievreana** (*C. Rex* × *L. crispa* ♀), *O.R.* 1903, 150; *Rev. H. Belge*, 1903, 104.—King of the Belgians, 1903.

**29. L.-c. × Binoti** (*C. bicolor* × *L. pumila*), *O.R.* 1901, 304, 326; *Dict. Ic. O. L.-c. hyb. t.* 30.—(Lewis) Chamberlain, 1901.

L.-c. × *præstans-bicolor* (*pumila* ♀), *G.C.* 1901, ii. 250; *O.R.* 1901, 316.—Lawrence.

This originally appeared as a natural hybrid in the establishment of Messrs. Peeters, of Brussels. See *G.C.* 1900, ii. 370; *O.R.* 1900, 357.

**30. L.-c. × Birkbeckiæ** (*L. purpurata* × *L.-c. × callistoglossa* ♀).—Wigan, 1900.

L.-c. × Mrs. Birkbeck, *G.C.* 1900, ii. 384; *O.R.* 1900, 372; *Gard.* 1900, ii. 406.

\* **L.-c. × bletchleyensis** (*C. Warscewiczii* × *L. tenebrosa* ♀), *G.C.* 1899, ii. 198; 1904, i. 88, **Suppl. f.**; *O.R.* 1899, 286; 1900, 63; *Amer. G.* 1900, 709, **f.**; 1902, 578, 579, **f.** 128; *ŷ.H.* 1902, ii. 489, **f.** (Fowler's var.); *Dict. Ic. O. L.-c. hyb. t.* 27.—Leon, 1899.

L.-c. × *Minerva* (*C. Warscewiczii* ♀), *ŷ. S. H. Fr.* 1899, 833.—Maron.

*Cattleya* × *Minerva*, *ŷ.S.H.Fr.* 1900, 673.

L.-c. × *Hettie*, *O.R.* 1901, 368.—Stanley, Ashton and Co.

L.-c. × *Godiniana*, *ŷ. S. H. Fr.* 1902, 253; *Rev. H.* 1902, 218.—Dallemagne.

L.-c. × *loochristiensis* (*C. Warscewiczii* ♀), *Sand. O. Guide*, 339.

**32 L.-c. × Bowrialbida** (*C. Bowringiana* × *L. albida*), *Amer. G.* 1902, 12.—Thayer, 1901.

\* **33. L.-c. × Boylei** (*C. Trianæ* ♀ × *L. anceps*), *O.R.* 1895, 260, 261.—Sander, 1894.

L.-c. × Frederick Boyle, *G.C.* 1894, i. 809, **f.** 105; *G.M.* 1894, 312, 316, **f.**; *O.R.* 1894, 189, 239; 1899, 31; *Dict. Ic. O. L.-c. hyb. t.* 29 (v. Kerchovæ).

\* L.-c. × *Kerchovæ*, *G.C.* 1903, i. 267; *O.R.* 1903, 146, 149; *ŷard.* 1904, 20, **f.**—Peeters.

**34. L.-c. × Britannia** (*C. Warscewiczii* × *L.-c. × Canhamiana*), *G.C.* 1903, ii. 181; *O.R.* 1903, 307.—Sander, 1903.

\* **35. L.-c. × Bryan** (*C. Gaskelliana* ♀ × *L. crispa*), *G.C.* 1896, ii. 310; *O.R.* 1896, 296, 319.—Cookson, 1896.

\* *L.-c. × Duchess of York* (*crispa* ♀), *G.C.* 1899, ii. 334; *O.R.* 1899, 351.—Veitch.

**36. L.-c. × Brymeriana** (*C. Warszewiczii* × *L.-c. × amanda* ♀), *O.R.* 1893, 21.—Brymer, 1893.

**37. L.-c. × burbagensis** (*C. granulosa* × *L. purpurata*), *O.R.* 1902, 271.—Hurst, 1901.

\* **38. L.-c × callistoglossa** (*C. Warszewiczii* × *L. purpurata* ♀), *ŷ. L. Soc.* xxiv. 169; *Garden*, 1900, i. 231, f. (v. *splendens*); *Dict. Ic. O. L.-c. hyb.* t. 8, 8a (v. *inversa*).—Veitch, 1882.

*Lælia* × *callistoglossa*, *G.C.* 1882, i. 76; *O. A. v.* t. 235; *V. Man. O.* ii. 94, f.; *Gard.* 1897, 310.

*L. × Arnoldiana*, *G.C.* 1891, i. 740, 742; *ŷ. H.* 1891, i. 491, f. 93.—Sander.

*L.-c. × Arnoldiana*, *ŷ. d. O.* ii. 134; *Lind.* vii. t. 299; *Reichenb.* ser. 2, i. 103, t. 48; *O.R.* 1893, 323.—Sander.

*L.-c. × Hardyana*, *G.C.* 1895, ii. 248.—Hardy.

*L.-c. × Bleuana*, *ŷ. S. H. Fr.* 1897, 844.—Bleu.

*L.-c. × purpurato-gigas*, *Chron. O.* 173.—Mantin.

*L.-c. × Princess of Wales*, *O.R.* 1899, 4.—Wigan.

*L.-c × excellens*, *Boyle Woodl. O.* 91.—R. H. Measures.

*L.-c. × Mme. Georges Halphem*, *Chron. O.* 356.—Maron.

\* **39. L.-c. × Canhamiana** (*C. Mossiæ* × *L. purpurata* ♀), *ŷ. L. Soc.* xxiv. 169; *ŷ. H.* 1894, ii. 12, 13, f. 2 (v. *alba*); 1900, ii. 97, f. 26 (v. *alba*); *G.M.* 1894, 502, 507, f. (v. *alba*); *Dict. Ic. O. L.-c. hyb.* t. 18 (v. *alba*).

*Lælia* × *Canhamiana*, *G.C.* 1885, ii. 6; *O.R.* 1893, 102.

*L.-c. × Canhamiæ* (*C. Mossiæ* ♀), *G.C.* 1890, i. 800; *O.R.* 1893, 292.—Veitch.

*Cattleya* × *Elsteadiana*, *G.C.* 1890, i. 747.—Ingram.

*L.-c. × Marriottii*, *G.C.* 1890, i. 747.—Marriott.

*L.-c. × Ridolfiana*, *Bull. Soc. Tosc. Ort.* 1893, 72, t. 3; *Lind.* xiii. t. 597 (v. *armainvillierensis*).—School of Horticulture, Florence.

*Cattleya* × *Dallemagnei*, *Rev. H.* 1894, 334.—Dallemagne.

*L.-c. × Aylingii*, *O.R.* 1894, 189.—Sander.

*L.-c. × fastuosa*, *ŷ. S. H. Fr.* 1896, 420.—Bleu.

\* *L.-c. × Lady Wigan*, *G.C.* 1897, i. 354.—Charlesworth.

*L.-c. × purpurato-Mossiæ*, *ŷard.* 1897, 310; *Chron. O.* 78; *ŷ. S. H. Fr.* 1897, 934.—Maron.

*L.-c. × Captain Law-Schofield*, *ŷ. S. H. Fr.* 1898, 538; *Chron. O.* 168.—Maron.

*L.-c. × President Viger*, *ŷ. S. H. Fr.* 1898, 536, 705.—Maron.

*L.-c. × Edouard André*, *ŷ. S. H. Fr.* 1898, 537.—Maron.

*L.-c. × Bertie Warburton*, *G.C.* 1898, i. 398, 399.—Warburton.

*L.-c. × G. Galpin*, *ŷard.* 1899, 208.—Maron.

*L.-c. × Madame Wallet*, *ŷ. S. H. Fr.* 1901, 637.—Maron.

L.-c. × Comtesse de Bassetière, *Chron. O.* 355.—Maron.

L.-c. × Marguerite, *ŷ. S. H. Fr.* 1902, 510.—Maron.

L.-c. × Rex, *G.M.* 1902, 328.—Sander.

40. L.-c. × **Cappei** (*C. Warscewiczii* × *L. cinnabarina* ♀), *O.R.* 1899, 46; 1901, 38; 1902, 44; *ŷ. S. H. Fr.* 1899, 45, 1129; 1904, ii. 452, 453, f. (Charlesworth's var.); *G.C.* 1902, i. 86; *G.M.* 1904, 841, f. (Charlesworth's var.).—Cappe, 1899.

41. L.-c. × **Cassiope** (*L. pumila* ♀ × *L.-c. × exoniensis*), *G.C.* 1889, ii. 620; *O.R.* 1893, 261; 1903, 364; *ŷ.H.* 1904, i. 26, 27, f. (Westonbirt var.).—Veitch, 1889.

L.-c. × Thetis, *G.C.* 1896, i. 337; *O.R.* 1896, 122.—Lawrence.

42. L.-c. × **Celestinæ** (*L. tenebrosa* × *L.-c. × Schilleriana* ♀), *Rev. H.* 1903, 218,—Fournier, 1903.

*Lælia* × *Celestinæ*, *ŷard.* 1903, 128.

43. L.-c. × **Ceres** (*C. Mossiæ* ♀ × *L.-c. × Hippolyta*), *G.C.* 1900, May 28, Suppl. 1; *O.R.* 1900, 176, 183.—Peeters, 1900.

44. L.-c. × **Chantinii** (*C. × Hardyana* × *L.-c. × elegans*).—Maron, 1900.

*Cattleya* × Monsieur A. Chantin, *ŷ. S. H. Fr.* 1900, 592.

L.-c. × (unnamed), *G.C.* 1903, ii. 340; *O.R.* 1903, 364.

These should be compared with *L.-c. × Greenwoodii*. We have not been able to compare them.

45. L.-c. × **Charlesworthii** (*C. Dowiana* × *L. cinnabarina* ♀), *G.C.* 1900, i. 62; 1902, i. 67, 85; *O.R.* 1900, 61; 1902, 53, 54; 1905, 168, f. 37 (v. *magnifica*); *G.M.* 1904, 169, 170, f.—Charlesworth, 1900. [See Fig. 33.]

46. L.-c. × **Choletiana** (*C. Mossiæ* ♀ × *L. superbians*), *ŷ. S. H. Fr.* 1902, 138, 139; *G.C.* 1902, i. 151; *G.M.* 1902, 133, 215, f.; *ŷ.H.* 1902, i. 249, f.; *O.R.* 1902, 92, 99.—Dallemanne, 1902.

47. L.-c. × **Cicero** (*C. intermedia* ♀ × *L.-c. × elegans*), *G.C.* 1896, i. 88; *O.R.* 1896, 63; 1899, 310.—Ingram, 1896.

L.-c. × Regina, *G.C.* 1897, i. 51; *O.R.* 1897, 62, 112.—Ingram.

L.-c. × inter-*elegans*, *Sand. O. Guide*, 278.

48. L.-c. × **claptonensis** (*C. Dormaniana* × *L.-c. × Schilleriana* ♀), *G.C.* 1892, ii. 566; *O.R.* 1893, 96, 357.—Low, 1892.

L.-c. × *elegans* was recorded as the seed parent of this hybrid, but the note that the flower "nearly approached" *L.-c. × Schilleriana* induces us to alter the record.

49. L.-c. × **Clementinæ** (*C. Trianæ* × *L.-c. × Sallieri*).—Fournier, 1903.

L.-c. × Mdle. Clémentine, *ŷard.* 1903, 80; *Rev. H.* 1903, 140.

50. L.-c. × **Clive** (*C. Dowiana* ♀ × *L. pumila*), *O.R.* 1893, 318; 1896, 304; *G.C.* 1897, ii. 388, 426, 427, f. 126; *G.M.* 1896, 637, f.; *Dict. Ic. O. L.-c. hyb. t.* 28.—Cookson, 1896.

L.-c. × (unnamed), *G.C.* 1893, ii. 342.

C. × (unnamed), *ŷ. S. H. Fr.* 1897, 839.—Cappe.

C. × *Pineli-aurea* (*L. pumila* ♀), *ŷ. S. H. Fr.* 1897, 1344; 1898, 770.—Cappe.



L.-c. × broomfieldensis (pumila ♀), *G.C.* 1894, ii. 194, 223, f. 33; *ŷ.H.* 1894, ii. 170, 171, f. 25; *G.M.* 1894, 519, f.—Wells.

L.-c. × Ingrami v. broomfieldensis, *O.R.* 1894, 287.

L.-c. × Normani, *Sand. O. Guide*, 278.

51. L.-c. × **Clonia** (*C. Warscewiczii* ♀ × L.-c. × elegans), *G.C.* 1894, ii. 511; *O.R.* 1894, 373 (*Chlonia*); *G.M.* 1895, 591, f. (v. *superba*).—Veitch, 1894.

The hybrid L.-c. × Marguerite has been confused with this.



Fig. 33. LÆLIOCATTELEYA × CHARLESWORTHII MAGNIFICA.

L.-c. × Atalanta, *G.C.* 1901, ii. 142; *O.R.* 1901, 284.—Thornton.

L.-c. × Lord Roberts, *Sand. O. Guide*, 339.

52. L.-c. × **Clytie** (*C. Dowiana* ♀ × L. × *Gravesiæ*), *O.R.* 1901, 338.—Wigan, 1901.

53. L.-c. × **Colmaniana** (*C. Dowiana* ♀ × L.-c. × *callistoglossa*), *G.C.* 1900, ii. 240.—Sander, 1900.

54. L.-c. × **confusa** (*C. Harrisoniana* × *L. pumila*).—Low,

L.-c. × *Harrisoni-præstans*, *G.C.* 1897, ii. 150; *O.R.* 1897, 287. — Low.

*L. pumila* × *C. Harrisoniana*, *G.C.* 1897, ii. 150; *O.R.* 1897, 287.—Sander.

This should be compared with *L.-c.* × *Leeana*, as the unfortunate confusion between *Cattleya Harrisoniana* and *C. Loddigesii* renders the parentage uncertain.

**55. L.-c. × Constance** (*C. Rex* × *L. xanthina* ♀).—Wigan, 1902.

*L.-c.* × *Constance* Wigan, *G.C.* 1902, ii. 272; *O.R.* 1902, 325.

**56. L.-c. × Cooksonæ** (*C. labiata* × *L.-c.* × *Clive*), *G.C.* 1902, ii. 183; *O.R.* 1902, 307; *ŷ.H.* 1902, ii. 375, f.—Cookson, 1902.

**57. L.-c. × Cora** (*C. Mendelii* × *L.* × *Latona* ♀), *G.C.* 1902, May 31, Suppl. 1; *Sand. O. Guide*, 339.—Veitch, 1902.

**58. L.-c. × Cornelia** (*C. labiata* × *L. pumila* ♀), *G.C.* 1893, ii. 692; *O.R.* 1894, 30.—Veitch, 1893.

*L.-c.* × (unnamed), *ŷ. S. H. Fr.* 1902, 140.—Duval.

*Cattleya* × *Cornelia*, *ŷ. S. H. Fr.* 1900, 670; *Rev. H.* 1900, 463.—Maron.

**59. L.-c. × cornuta** (*C. labiata* ♀ × *L. autumnalis*), *ŷ. S. H. Fr.* 1900, 848.—Maron, 1900.

**60. L.-c. × Coronis** (*C. labiata* × *L. cinnabarina*), *G.C.* 1900, ii. 466; *O.R.* 1901, 23.—Veitch, 1900.

**61. L.-c. × Cowperi** (*C. Warneri* ♀ × *L. crispa*).—Cowper, 1894.

*L.-c.* × *Mauve Queen*, *G.C.* 1894, ii. 605; *O.R.* 1894, 374.

**62. L.-c. × Cranstounæ** (*C. Harrisoniana* ♀ × *L. tenebrosa*), *O.R.* 1900, 19, 119; 1901, 15; *G.C.* 1901, ii. 462.—(Berkeley) Cranstoun, 1899.

**63. L.-c. × Cybele** (*C. Trianae* × *L.-c.* × *Schilleriana* ♀), *G.C.* 1901, i. 272; *O.R.* 1901, 156.—Veitch, 1901.

*L.-c.* × *D. S. Brown*, *G.C.* 1895, ii. 49; *O.R.* 1895, 244, 255.—Sander.

**64. L.-c. × Dallemagnei** (*C. Aclandiae* × *L. pumila*).—Dallemagne, 1901.

*Cattleya Aclandiae* × *præstans*, *ŷ. S. H. Fr.* 1901, 1001.—Dallemagne.

*L.-c.* × *Wm. Pitt*, *G.C.* 1903, ii. 104; *O.R.* 1903, 267.—Pitt.

**65. L.-c. × Darwiniana** (*C. maxima* × *L.-c.* × *elegans* ♀), *O.R.* 1895, 293.—Ingram, 1895.

*L.-c.* × *Charles Darwin*, *G.C.* 1895, ii. 248; *O.R.* 1895, 319; *ŷ.H.* 1895, ii. 197, 206, f. 28; 1896, ii. 377, f. 69.

*L.-c.* × *Othello (maxima* ♀), *G.C.* 1895, ii. 588; *O.R.* 1895, 375.—Ingram.

\***66. L.-c. × Decia** (*C. Dowiana* × *L. Perrinii* ♀), *G.C.* 1894, ii. 670, 699, f. 89; 1897, i. 120, 121, f. 34 (v. *alba*); *O.R.* 1895, 30; *ŷ.H.* 1895, i. 130, 131, f. 21; *G.M.* 1894, 746, f.—Veitch, 1894.

**67. L.-c. × decora** (*C. Bowringiana* ♀ × *L.-c.* × *Clive*).—Sander, 1902.

*L.-c.* × *Bowringiano-Clive*, *G.C.* 1902, ii. 384; *O.R.* 1902, 367; *Gard.* 1902, ii. 295.

*L.-c.* *Bowring-Clive*, *Gard.* 1903, ii. 387.

**68. L.-c. × dellensis** (*C.* × *Hardyana* × *L.-c.* × *albanensis*).—Sander, 1902.

*L.-c.* × *memoria* *Baroness Schröder*, *G.C.* 1902, i. 442; *Sand. O. Guide*, 340.

**69. L.-c. × devoniensis** (*C. Leopoldi* × *L. crispa* ♀), *O.R.* 1902, 270.—Veitch, 1863.

- Cattleya × Devonia, *Proc. R. H. S.* 1863, 372.  
 C. × devoniensis, *G.C.* 1877, ii. 424 (in note); *O.R.* 1893, 5.  
 Lælia × Mylamiana, *G.C.* 1876, ii. 740, 741, f. 138.—Rollisson.  
 L. × devoniensis, *G.C.* 1877, ii. 424 (in note).  
 L.-c. × Mylamiana, *ŷ. L. Soc.* xxiv. 169.  
 L.-c. × Watellieriana, *ŷ. S. H. Fr.* 1901, 1002.—Belin.  
 L.-c. × Wylamiana, *G.C.* 1902, ii. 183 (misprint).  
**70. L.-c. × Deweyi** (C. Warneri ♀ × L.-c. × elegans).—Charlesworth, 1898.  
 L.-c. × Admiral Dewey, *G.C.* 1898, i. 334, 350; 1901, ii. 270; *O.R.* 1898, 189;  
*G.M.* 1898, 508, 509, f.; *Dict. Ic. O. L.-c. hyb.* t. 34.  
**71. L.-c. × Diarmid** (L. Perrinii ♀ × L.-c. × elegans), *G.C.* 1897, ii. 316;  
*O.R.* 1897, 351.—Ingram, 1897.  
**72. L.-c. × Dido** (C. Skinneri × L. cinnabarina), *G.C.* 1901, May 25,  
 Suppl. 1, *O.R.* 1901, 186.—Hon. W. Rothschild, 1901.  
 L. c. × Macnabiana, *Gard.* 1903, i. 133.—Fowler.  
**73. L.-c. × Diogenes** (C. Leopoldi × L. cinnabarina ♀), *G.C.* 1901, i. 53;  
*O.R.* 1901, 37.—Charlesworth, 1900.  
 L.-c. × Vacuna (Leopoldi ♀), *G.C.* 1901, i. 179; *O.R.* 1901, 119.—Veitch.  
**74. L.-c. × Doinii** (C. Rex × L. tenebrosa ♀).—Doin, 1902.  
 L.-c. × Gaston Doin, *ŷ. S. H. Fr.* 1902, 553.  
**75. L.-c. × Dominiana** (C. Dowiana × L. purpurata ♀), *G.C.* 1889, ii.  
 78; *ŷ.H.* 1898, ii. 317, f. 56 (v. langleyensis); *O.R.* 1899, 50, 69, 228; *Gard.* 1898,  
 ii. 465, f. (v. langleyensis); 1899, ii. 142, 143, f. and t. 1236 (langleyensis).  
 Lælia × Dominiana, *G.C.* 1878, ii. 332; 1881, ii. 53, 108 (v. rosea); *Fl. M.*  
 1878, t. 325.  
 L.-c. × Fire King, *O.R.* 1898, 217; 1899, 228, 247, 250.—Mrs. Briggs-Bury.  
 L.-c. × Sir William Ingram, *G.C.* 1896, i. 468; *O.R.* 1896, 156.—Ingram.  
 L. × Apollonia, *G.C.* 1896, ii. 667; *O.R.* 1897, 29.—Douglas.  
 L. × Empress of India, *G.C.* 1897, i. 410; *O.R.* 1897, 222.—Sander.  
 L. × Radiance, *G.C.* 1897, ii. 150; *O.R.* 1897, 287.—Ingram.  
 L. × tyntesfieldensis, *G.C.* 1897, i. 354, 359; *O.R.* 1897, 169, 189, 222.—  
 Hardy.  
**76. L.-c. × Dora** (C. Schröderæ × L.-c. × Hippolyta ♀), *G.C.* 1902, i.  
 251; 1903, i. 239; *O.R.* 1902, 147; *Gard.* 1903, i. 321, f. (v. magnifica).—  
 Charlesworth, 1902.  
 L.-c. × Thyra (Schröderæ ♀) *G.C.* 1903, i. 206; *O.R.* 1903, 119.—Veitch.  
**77. L.-c. × Doris** (C. Trianæ × L. harpophylla ♀), *O.R.* 1894, 79, 111;  
 1896, 124, 133 (v. Xantho); *Dict. Ic. O. L.-c. hyb.* t. 22 (v. Marquis de Colbert);  
*G.C.* 1896, i. 337 (v. Xantho).—Cookson, 1894.  
 Lælia × vitellina, *G.C.* 1893, i. 365, f. 53; *O.R.* 1896, 149.—Schröder.  
 L.-c. × Noel, *G.C.* 1903, i. 223; *O.R.* 1903, 154.—Hodgkinson.  
**78. L.-c. × Duvaliana** (C. Lueddemanniana × L. purpurata), *ŷ. S. H. Fr.*  
 1898, 536; *Chron. O.* 172; *O.R.* 1899, 253; *G.M.* 1899, 467, f.; *G.C.* 1899, ii. 58.  
 —Maron, 1899.

*Cattleya* × *Duvaliana*, *ŷ. S. H. Fr.* 1900, 592.

79. **L.-c.** × **Edwardi** (*C.* × *Hardyana* × *L. cinnabarina* ♀), *G.C.* 1902, i. 183; *O.R.* 1902, 116.—Sander, 1902.

80. **L.-c.** × **Electra** (*C.* *Percivaliana* ♀ × *L. purpurata*), *G.C.* 1896, i. 741; *O.R.* 1896, 221.—Ingram, 1896.

81. **L.-c.** × **Ella** (*C.* *intermedia* × *L. grandis* ♀), *O.R.* 1900, 324.—Thornton, 1900.

*L.-c.* × *Stella*, *O.R.* 1900, 319.—Thornton, 1900.

82. **L.-c.** × **elsteadensis** (*C.* *bicolor* ♀ × *L. xanthina*), *O.R.* 1895, 293.—Ingram, 1895.

*L.-c.* × *Elstead Gem*, *G.C.* 1895, ii. 192; *O.R.* 1895, 287.

83. **L.-c.** × **Emiliæ** (*C.* *Aclandiæ* ♀ × *L. purpurata*), *Dict. Ic. O. L.-c. hyb. t.* 24.—Duval, 1900.

*L.-c.* × (unnamed), *ŷ. S. H. Fr.* 1900, 840; 1901, 411.—Duval.

*L.-c.* × *purpurato-Aclandiæ* (*L. purpurata* ♀), *ŷ. S. H. Fr.* 1901, 842; *O.R.* 1901, 338; 1902, 318.—Duval.

*Cattleya* × (unnamed), *ŷ. S. H. Fr.* 1902, 140. —Duval.

84. **L.-c.** × **epicasta** (*C.* *Warscewiczii* × *L. pumila* ♀), *G.C.* 1893, ii. 342; *O.R.* 1893, 320; *ŷ.H.* 1895, i. 353, 364, f. 60; *G.M.* 1895, 261, f.—Veitch, 1893.

85. **L.-c.** × **Ernesti** (*C.* *Percivaliana* ♀ × *L. flava*), *ŷ. S. H. Fr.* 1899, 262, 263; *Rev. H.* 1899, 476, t. (v. Van Dyck); *G.C.* 1899, i. 149, f. 54 (v. Princess Olga); *G.M.* 1899, 144, f. (id.); *ŷ.H.* 1899, 251, f. 61 (id.); *O.R.* 1899, 125.—Maron, 1899.

86. **L.-c.** × **Ethelwald** (*C.* *Gaskelliana* ♀ × *L. Boothiana*), *G.C.* 1899, ii. 273; *O.R.* 1899, 336.—Paynter, 1899.

87. **L.-c.** × **Eumæa** (*C.* *Trianae* ♀ × *L. grandiflora*), *G.C.* 1893, ii. 536; *O.R.* 1893, 374; 1894, 21.—Veitch, 1893.

88. **L.-c.** × **Eunomia** (*C.* *Gaskelliana* × *L. Dayana* ♀), *G.C.* 1895, ii. 307; *O.R.* 1895, 292, 320.—Veitch, 1895.

89. **L.-c.** × **Euphrosyne** (*C.* *Warscewiczii* × *L. Dayana* ♀), *G.C.* 1895, ii. 527; *O.R.* 1895, 374.—Veitch, 1895.

*L.-c.* × *illustris*, *G.C.* 1897, ii. 278; *O.R.* 1897, 348.—Ingram.

*L.-c.* × (unnamed), *O.R.* 1899, 219.—Cypher.

*L.-c.* × *Iona*, *G.C.* 1903, i. 366.—Cypher.

90. **L.-c.** × **Eva** (*C.* *Gaskelliana* × *L. tenebrosa*), *G.C.* 1902, ii. 313; *O.R.* 1902, 341.—Veitch, 1902.

*L.-c.* × *Gladys*, *Amer. G.* 1902, 574; *O.R.* 1903, 26, 255.—Thayer.

*L.-c.* × *Orpetiana*, *G.C.* 1903, i. 165; *Dict. Ic. O. L.-c. hyb. t.* 26 (v. *masiliensis*).—Thayer.

*L.-c.* × *Endymion*, *Sand. O. Guide*, 339.

91. **L.-c.** × **eximia** (*C.* *Warneri* ♀ × *L. purpurata*), *G.C.* 1890, i. 800; *O.R.* 1893, 292; *Lind.* ix. t. 386.—Veitch, 1890.

*L.-c.* × *parisiensis*, *G.C.* 1895, ii. 467; *ŷ. S. H. Fr.* 1897, 335.—(Bleu) Statter.

L.-c. × *Valvassorii*, *G.C.* 1894, i. 762; *O.R.* 1894, 221.—Linden.

**92. L.-c. × exoniensis** (C. Mossiæ × L. *crispa*), *ŷ. L. Soc.* xxiv. 169; *G.C.* 1903, i. 419; *O.R.* 1903, 213; *Amer. Flor.* 1903, 527, f.—Veitch, 1863.

C. × *exoniensis*, *Proc. R. H. S.* 1863, 368; 1864, 177; *Fl. M.* 1866, t. 269; *G.C.* 1863, 870; 1867, 1144; *Warn. Sel. O.* ii. t. 36; *ŷenn. O.* t. 1; *O.R.* 1893, 5.

L. × *exoniensis*, *Warn. Sel. O.* ii. sub. t. 36; *G.C.* 1887, ii. 716; *V. Man. O.* ii. 95; *O.A.* x. t. 443; *Amer. G.* 1901, 861, f. 176.

There was much uncertainty as to the parentage of this hybrid, but the supposed cross has since been repeated, and set the matter at rest.

**93. L.-c. × Fascinator** (C. Schröderæ ♀ × L. *purpurata*), *G.C.* 1898, i. 302; *O.R.* 1898, 184; *Garđ.* 1903, i. 396, f. (v. *splendens*).—Ingram, 1898.

L.-c. × *Isabella* (L. *purpurata* ♀), *G.C.* 1899, ii. 82; *O.R.* 1899, 240.—(Maron) Leemann, 1899.

**94. L.-c. × fausta** (C. *Loddigesii* ♀ × L.-c. × *exoniensis*), *G.C.* 1889, i. 619; ii. 155.—Veitch, 1873.

C. × *fausta*, *G.C.* 1873, 289, 290, f. 57 A (type), 57 B (v. *radicans*); *Fl. M.* 1875, t. 189; *O.R.* 1893, 37.

**95. L.-c. × felix** (C. *Schilleriana* × L. *crispa* ♀), *ŷ. L. Soc.* xxiv. 169.—Veitch, 1876.

*Cattleya* × *felix*, *G.C.* 1876, ii. 68; *O.R.* 1893, 35.

*Lælia* × *felix*, *V. Man. O.* ii. 96.

*Catlælia* × *felix*, *Hans. O. Hyb.* 96 (excl. syn.).

L.-c. × *crispo-Schilleriana*, *ŷ. S. H. Fr.* 1898, 961; *Chron. O.* 168.—Mantin.

**96. L.-c. × Fortuna** (C. Mossiæ ♀ × L.-c. × *Schilleriana*), *G.C.* 1895, ii. 467; *O.R.* 1895, 351.—Veitch, 1895.

L.-c. × *Daphne*, *G.C.* 1897, ii. 352; *O.R.* 1897, 375.—Veitch.

L.-c. × *Harrisii*, *G.C.* 1895, i. 748; *O.R.* 1895, 222.—Miss Harris.

There is a slight doubt about the parentage of L.-c. × *Harrisii*.

**97. L.-c. × Fournieræ** (C. *Dowiana* × L.-c. × *elegans* ♀).—Maron, 1898.  
- L.-c. × *Berthe Fournier*, *O.R.* 1898, 141; *G.M.* 1900, 108, 109, f. (v. *splendida*); *ŷ.H.* 1905, ii. 266, 267, f. (*Westonbirt* var.).—Maron.

L.-c. × *Alcides* (C. *Dowiana* ♀), *O.R.* 1900, 319.—Thornton.

L.-c. × *Baron C. Goffinet*, *G.C.* 1903, ii. 359.—King of the Belgians.

L.-c. × *aureo-elegans*, *Sand. O. Guide*, 338.

**98. L.-c. × Fournieri** (C. *intermedia* ♀ × L. *flava*).—Fournier, 1896.

L.-c. × *intermedio-flava*, *Rev. H.* 1896, 549; *ŷ. d. O.* vii. 290; *ŷ. S. H. Fr.* 1897, 843; *O.R.* 1898, 141, 169; *ŷ. H.* 1898, i. 499, f. 94 (v. *Golden Queen*, "Golden Gem" by error); *Dict. Ic. O.* L.-c. *hyb.* t. 3.

*Cattleya* × *Mozart*, *ŷ. S. H. Fr.* 1902, 462.—Maron.

**99. L.-c. × Galatea** (C. *granulosa* ♀ × L. *Dayana*), *O.R.* 1900, 319; 1901, 317; *G.C.* 1901, ii. 50.—Charlesworth, 1900.

L.-c. × *Phalaris*, *Sand. O. Guide*, 340.

**100. L.-c. × Gazelle** (C. *bicolor* × L.-c. *elegans* ♀), *G.C.* 1896, ii. 535; *O.R.* 1896, 350.—Ingram, 1896.

**101. L.-c. × Gemma** (C. Schilleriana ♀ × L. xanthina), *ŷ. S. H. Fr.* 1899, 931; *Chron. O.* 298.—Duval, 1900.

L.-c. × xanthino-Schilleriana (xanthina ♀), *ŷ. S. H. Fr.* 1900, 256, 391.—Duval

**102. L.-c. × Ghislainæ** (C. amethystoglossa × L. harpophylla ♀), *O.R.* 1896, 39; *ŷ. S. H. Fr.* 1896, 102.—Van Imschoot, 1896.

This is said to have been the first *Læliocattleya* raised in Belgium.

**103. L.-c. × Gladys** (C. Harrisoniana ♀ × L. cinnabarina), *G.C.* 1902, i. 238; *Dict. Ic. O. L.-c. hyb.* t. 20.—Fournier, 1901.

L.-c. × H. J. Harris, *Sand. O. Guide*, 339.

**104. L.-c. × Gottoiana** (C. Warneri ♀ × L. tenebrosa), *G.C.* 1900, ii. 346; *O.R.* 1900, 358, 372; 1901, 6; 1902, 343; *Lind.* xiv. t. 658.—Douglas, 1900.

This originally appeared as a natural hybrid in the collection of E. Gotto, Esq., The Logs, Hampstead Heath, in 1891. See *O.R.* 1903, 338.

**105. L.-c. × Greenwoodii** (C. × Hardyana × L.-c. × Schilleriana ♀).—Maron, 1897.

L.-c. × Stelzneriano-Hardyana, *ŷard.* 1897, 310; *O.R.* 1897, 360.—Maron.

L.-c. × Henry Greenwood, *G.C.* 1898, i. 252; 1900, ii. 47, f. 8 (excl. name and text); *O.R.* 1898, 140, 350, 351; 1899, 316; *G.M.* 1898, 686, 687, f.; *ŷ.H.* 1900, ii. 53, f. 12 (v. superba); *G.M.* 1904, 524, 525 (v. Imperator).

L.-c. × Duc de Massa, *ŷ.S.H.Fr.* 1900. 419.—Maron.

L.-c. × Madame Martin Cahuzac, *ŷ.S.H.Fr.* 1900, 350.—Maron.

L.-c. × Madame Debac, *ŷ.S.H.Fr.* 1901, 637.—Maron.

L.-c. × Marquis de Wavrin, *G.C.* 1903, i. 267.—Peeters.

**106. L.-c. × Groganæ** (C. Harrisoniana × L. Dayana), *O.R.* 1902, 30, 64, 316.—Grogan, 1901.

**107. L.-c. × Hamiltoni** (C. bicolor ♀ × L. Dayana), *O.R.* 1900, 348 (unnamed); 1901, 363; *G.C.* 1902, ii. 344.—Miller, 1900.

**108. L.-c. × Haroldiana** (C. × Hardyana × L. tenebrosa ♀), *G.C.* 1901, ii. 172, 297; *O.R.* 1901, 284, 317, 348; *G.M.* 1902, 832, 833, f. (v. superba); 1903, 741, f. (v. John Bradshaw); *Gard.* 1904, i. 25, f. (id.).—(Charlesworth) Tunstill, 1901.

**109. L.-c. × Hebe** (C. Mossiæ ♀ × L. grandis), *G.C.* 1902, i. 313; *O.R.* 1903, 179; *Sand. O. Guide*, 339. —Wigan, 1902.

The parentage was not originally recorded, and has been added from Messrs. Sander's work, which we suppose refers to the same hybrid. We have not seen it.

**110. L.-c. × Helena** (C. Schilleriana × L. cinnabarina ♀), *G.C.* 1901, ii. 360; 1903, i. 46; *O.R.* 1901, 366.—Charlesworth, 1901.

L.-c. × Miss Laura Webb, *G.M.* 1903, 45.—Wellesley.

The reverse cross has also been raised.

**111. L.-c. × Henri** (L. c. × callistoglossa × L.-c. × Canhamiana).—Maron, 1900.

L.-c. × Henri Maron, *ŷ. S. H. Fr.* 1903, 604.—Maron.

- 112. L. c. × Hera** (C. Bowringiana × L. c. × Leeana).—Maron, 1897.  
C. × Bowringiano-blesensis, *ŷ. S. H. Fr.* 1907, 954; *ŷard.* 1897, 310; *O.R.* 1897, 360.
- 113. L. c. × Herga** (C. Gaskelliana × L. c. × elegans ♀), *G.C.* 1901, i. 374; *O.R.* 1901, 218.—Low, 1901.
- 114. L. c. × Hermione** (C. Lueddemanniana × L. Perrinii ♀), *Gard.* 1900, ii. 134; *G.C.* 1900, ii. 137.—Baron N. Rothschild, 1900.
- 115. L. c. × Herode** (C. × O'Brieniana ♀ × L. c. × elegans), *G.C.* 1900, May 26, Suppl. 1; *O.R.* 1900, 176, 183; *G.M.* 1900, 348, f.; *Dict. Ic. O. L.-c. hyb. t.* 17.—Peters, 1900.
- 116. L. c. × highburiensis** (C. Lawrenceana ♀ × L. cinnabarina), *G.C.* 1896, i. 468; *O.R.* 1896, 157, 187; *Dict. Ic. O. L.-c. hyb. t.* 15 (type), 15a (v. Fournieri); *Wien Ill. G. Zeit.* 1904, 201, t. 2, f. 45.—Chamberlain, 1896.
- 117. L. c. × Hilda** (C. Lawrenceana × L. Boothiana), *O.R.* 1903, 175; *ŷ.H.* 1903, i. 397.—Chamberlain, 1902.  
*Cattleya* × *Mozart*, *Gard.* 1903, i. 287.—Peeters.
- 118. L. c. × Hippolyta** (C. Mossiæ × L. cinnabarina ♀), *G.C.* 1890, i. 398, 431; *O.R.* 1893, 292; *Lind.* xiii. t. 592; *G.M.* 1898, 390, 391, f.; *Dict. Ic. O. L.-c. hyb. t.* 14.—Veitch, 1890.  
*Cattleya* × *Hippolyta*, *ŷ.S.H.Fr.* 1899, 376. —Duval.  
L. c. × *Phœbe* (C. Mossiæ ♀), *G.C.* 1892, i. 598, 791, f. 114; *O.R.* 1893, 357; *Reichenb.* ser. 2, ii. 107, t. 93.—Cookson.
- 119. L. c. × Hodgkinsonæ** (C. Mossiæ × L. harpophylla ♀), *O.R.* 1902, 219.—Hodgkinson, 1902.  
L. c. × *Phœbe* *superba*, *G.C.* 1902, ii. 25; *O.R.* 1902, 215, 226.
- 120.—L. c. × Homere** (C. Percivaliana × L. Perrinii ♀), *G.C.* 1896, ii. 602; *O.R.* 1896, 375. —Ingram, 1896.
- 121. L. c. × Horniana** (L. purpurata ♀ × L. c. × Schilleriana), *G.C.* 1889, ii. 155; *O.R.* 1902, 317.—Baron N. Rothschild, 1888.  
*Lælia* × *Horniana*, *G.C.* 1888, i. 770; *O.R.* 1893, 228.  
L. c. × *purpurato-Schilleriana*, *ŷ.S.H.Fr.* 1900, 60.—Maron.  
L. × *elegans* *Beatrice*, *Boyle Woodl. O.* 13.—R. H. Measures.
- 122. L. c. × Humberti** (C. Aclandiæ × L. superbiens ♀), *ŷ.S.H.Fr.* 1902, 337; *Rev. H.* 1902, 297.—Dallempagne, 1902.  
The *Revue Horticole* records *Lælia majalis* as one of the parents, which appears to be a mistake.
- 123. L. c. × hybrida** (C. Warneri × L. pumila), *G.C.* 1903, ii. 209; *Rev. H. Belge*, 1903, 284. —Wavrin, 1903.  
The second reference speaks of this as a natural hybrid, a point which we should like to see confirmed.
- 124. L. c. × Hyeana** (C. Lawrenceana × L. purpurata ♀), *O.R.* 1899, 191; 1900, 171; *Chron. O.* 34; *Dict. Ic. O. L.-c. hyb. t.* 13.—Hye, 1897.  
L. c. × *Hyeana* (*Rev. H. Belge*, 1895, 22, 95).  
L. c. × *Myersiana*, *Sand. O. Guide*, 340.

*Catlaelia* × *Hyeana*, *Hans. O. Hyb.* p. 95, may be a form of *L.-c.* × *Gottoiana* or *L.-c.* × *albanensis*.

125. *L.-c.* × *Iberia* (*L. cinnabarina* × *L.-c.* × *bella*), *G.C.* 1902, i. 280; *O.R.* 1902, 149; *G.M.* 1902, 265 (*Ibera*).—Veitch, 1902.

126. *L. c.* × *Ida* (*C. Lawrenceana* × *L. harpophylla* ♀), *O.R.* 1902, 101.—Chamberlain, 1902.

127. *L.-c.* × *Illione* (*C. Bowringiana* ♀ × *L.-c.* × *Dominiana*), *G.C.* 1901, ii. 401; *O.R.* 1901, 367.—Veitch, 1901.

128. *L.-c.* × *Ingrami* (*C. Dowiana* × *L. Dayana* ♀), *G.C.* 1892, ii. 191;



Fig. 34. *LÆLIOCATTELEYA* × *INGRAMI*.

*O.R.* 1893, 357; 1896, 49, f. 4; *J.H.* 1892, ii. 141, f. 20; 1898, ii. 108, 109, f. 20 (*v. gigantea*).

*L.-c.* × *Stanleyensis*, *G.C.* 1896, ii. 534.—Statter.

[See Fig. 34.]

129. *L.-c.* × *Ira* (*L. longipes* ♀ × *L.-c.* × *Schilleriana*), *G.C.* 1902, ii. 272 (“*Iva*”); *O.R.* 1902, 325, 329.—Wigan, 1902.

*L.-c.* × *Catherinæ*, *G.C.* 1903, i. 419; *O.R.* 1903, 212.—Sander.

130. *L.-c.* × *Irene* (*C. Bowringiana* × *L. tenebrosa*), *G.C.* 1903, ii. 377; *O.R.* 1903, 365.—Charlesworth, 1900.

*L.-c.* × (unnamed), *O.R.* 1900, 317; *G.C.* 1900, ii. 282.—Statter.



- 131. L.-c. × Isis** (C. × Marstersoniæ × L. pumila ♀), *G.C.* 1895, ii. 467; *O.R.* 1895, 351.—Veitch, 1895.
- \* **132. L.-c. × Issy** (C. Leopoldi × L. tenebrosa ♀), *O.R.* 1901, 299, 303.—Charlesworth, 1901.
- 133. L.-c. × Ivernina** (L. tenebrosa × L.-c. × callistoglossa ♀), *G.C.* 1901, May 25, Suppl. 2; *O.R.* 1901, 162, 187.—Charlesworth, 1901.  
L.-c. × Coustoni, *ŷ. S. H. Fr.* 1901, 1186.—Maron.
- 134. L.-c. × Jeanette** (C. labiata × L.-c. × Gottoiana), *G.C.* 1903, i. 143; *O.R.* 1903, 88.—Gratrix, 1903.
- 135. L.-c. × Juno** (C. Mossiæ × L. grandiflora ♀), *G.M.* 1897, 539; *G.C.* 1897, ii. 150; *O.R.* 1897, 281.—Cookson, 1897.
- \* **136. L.-c. × Kathleen** (L. tenebrosa × L.-c. × Canhamiana), *G.C.* 1903, ii. 104; *O.R.* 1903, 267.—Pitt, 1903.
- \* **137. L.-c. × Krænzlinii** (C. Mossiæ ♀ × L.-c. × elegans), *O.R.* 1893, 350; *Dict. Ic. O. L.-c. hyb. t.* 11 (v. Clementinæ).—Sander, 1893.  
Cattleya × Krænzlinii, *G.C.* 1893, ii. 470.  
L.-c. × (unnamed), *ŷ. S. H. Fr.* 1900, 513.—Gibez.  
L.-c. × Ludovicii, *Bohnh. Dict. O. Hybr.* 44.—Perrenoud.  
L.-c. × Thiebouxii, *ŷ. S. H. Fr.* 1903, 591; *Rev. H.* 1903, 463.—Beranek.  
\* L.-c. × Pommeryæ, *ŷ. S. H. Fr.* 1903, 604; *ŷard.* 1903, 208.—Beranek.  
L.-c. × Mossiæ-elegans, *Wien. Ill. G. Zeit.* 1904, 445, t. 4.
- 138. L.-c. × La-France** (C. bicolor × L. tenebrosa), *Chron. O.* 173; *G.C.* 1902, ii. 272; *O.R.* 1902, 339.—Mantin, 1898.  
L.-c. × Wilmer, *Sand. O. Guide*, 340.
- 139. L.-c. × La-Fresnaie** (C. Leopoldi ♀ × L.-c. × elegans), *ŷ. S. H. Fr.* 1901, 907; *O.R.* 1901, 338; *Rev. H.* 1903, 395.—Doin, 1901.  
The last record gives L.-c. × Schilleriana as the second parent, which may be correct, but this record was overlooked until Part I. was printed off.
- 140. L.-c. × Leeana** (C. Loddigesii × L. pumila), *O.R.* 1901, 311.—Perrenoud, 1889.  
Lælia × Leeana, *G.C.* 1882, i. 492.  
Cattleya × (unnamed), *Orchidoph.* 1890, 289, t.; *ŷ. S. H. Fr.* 1892, 477.—Darblay.  
C. × Vedasti, *Orchidoph.* 1891, 48, t.; *O.R.* 1893, 323.—Perrenoud.  
C. × blesensis, *ŷ. S. H. Fr.* 1892, 540; *Rev. H.* 1892, 416; 1893, 424, t.; *O.R.* 1893, 315.—Darblay.  
L.-c. × blesensis, *O.R.* 1893, 287; *O.A.* xi. t. 519.  
L.-c. × Vedasti, *O.R.* 1898, 290, 331.  
L.-c. × corbeillana, *ŷ. S. H. Fr.* 1898, 484.—Darblay.  
L.-c. × corbeilensis, *ŷ. S. H. Fr.* 1895, 240; *Dict. Ic. O. L.-c. t.* 5.  
There has been some uncertainty about the parentage of L.-c. × corbeillana, but, according to M. Maron, it came out of the same seed pod as L.-c. × Vedasti. All the above are believed to be forms of L.-c. × Leeana, which originally appeared as a natural hybrid, under the name of Lælia × Leeana, *Rchb. f.*, in 1882.

- 141. L.-c. × Leoniæ** (C. labiata × L.-c. × exoniensis ♀).—Leon, 1900.  
L.-c. × Fanny Leon, *G.C.* 1900, i. 62; *O.R.* 1900, 60; *Gard.* 1900, i. 95, f.
- 142. L.-c. × Leopoldi** (C. quadricolor × L. cinnabarina ♀).—King of Belgium, 1903.  
L.-c. × Prince Leopold, *G.C.* 1903, i. 267; *O.R.* 1903, 148; *Gard.* 1903, i. 288.
- 143. L.-c. × leucasta** (C. bicolor ♀ × L. harpophylla), *G.C.* 1897, ii. 438 (Loucousta); *O.R.* 1898, 31 (Loucousta), 41 (Locusta); 1901, 23; *G.M.* 1901, 775, f.
- 144. L.-c. × leucoglossa** (C. Loddigesii ♀ × L.-c. × fausta), *O.R.* 1894, 43.—Veitch, 1892.  
Cattleya × leucoglossa, *G.C.* 1892, ii. 566; *ŷ.H.* 1892, ii. 413, f. 56; *O.R.* 1893, 357.
- 145. L.-c. × Lily** (L.-c. × callistoglossa ♀ × L.-c. × Gottoiana).—Sander, 1898.  
L.-c. × Lily Measures, *O.R.* 1898, 220.  
L.-c. × Miss Lily Measures, *Boyle Woodl. O.* 94.
- 146. L.-c. × Liptoni** (C. labiata × L. anceps ♀), *O.R.* 1902, 29; *G.M.* 1902, 101.—(Maron, 1901) Peeters.  
L.-c. × labiato-anceps, *ŷ. S. H. Fr.* 1901, 29; *O.R.* 1901, 338.—Maron.
- 147. L.-c. × Lowii** (L. cinnabarina × L.-c. × callistoglossa), *Gard.* 1903, June 27, Suppl. (unpaged).—Low, 1902.  
L.-c. × (unnamed), *Gard.* 1902, ii. 50.—Low.
- 148. L.-c. × Lucasiana** (C. labiata ♀ × L. tenebrosa), *ŷ. S. H. Fr.* 1900, 54; *O.R.* 1901, 23; *G.C.* 1900, ii. 466; *Dict. Ic. O. L.-c. t.* 25.—Maron, 1900.  
L.-c. × tenebroso-labiata (tenebrosa ♀), *ŷ. S. H. Fr.* 1901, 212.—Peeters.
- 149. L.-c. × Lucia** (C. Mendelii ♀ × L. cinnabarina), *O.R.* 1899, 166; 1902, 116; *G.C.* 1902, i. 183.—(Winn) Clark, 1899.  
L.-c. × Lutèce, *ŷ. S. H. Fr.* 1902, 462.—Balme.  
L.-c. × Panope, *G.C.* 1903, i. 419; *O.R.* 1903, 213.—Veitch.
- 150. L.-c. × Lucilia** (C. Dowiana × L.-c. × Schilleriana ♀), *G.C.* 1897, ii. 277; 1898, ii. 92; *O.R.* 1897, 348; 1898, 255.—Veitch, 1897.  
The earliest record gave L.-c. × elegans as the seed parent, but this was afterwards corrected.
- 151. L.-c. × Luna** (C. Harrisoniana ♀ × L. harpophylla), *G.C.* 1901, ii. 360; *O.R.* 1901, 365; 1903, 365.—Charlesworth, 1901.
- 152. L.-c. × Lutetia** (C. velutina ♀ L.-c. × elegans), *G.C.* 1902, ii. 238; *O.R.* 1902, 309.—(Fournier, 1896) Beranek.  
L.-c. × velutino-elegans, *ŷ. S. H. Fr.* 1896, 725; *G.C.* 1896, ii. 360; *O.R.* 1896, 325.—Fournier.  
L.-c. × New Century, *G.C.* 1901, ii. 232; *O.R.* 1901, 318.—Gratrix.
- 153. L.-c. × Lycidas** (C. Schröderæ × L. tenebrosa), *G.M.* 1902, 374.—Veitch, 1902.  
L.-c. × Lycias, *G.C.* 1902, ii. 398; *O.R.* 1902, 212.

**154. L.-c. × Mabel** (C. Trianae ♀ × L. tenebrosa), *G.C.* 1902, i. 398; *O.R.* 1902, 211.—Leon, 1902.

L.-c. × Fanyauana, *O.R.* 1903, 131, 146.—Peeters.

\* **155 L.-c. × Magnei** (C. granulosa × L. tenebrosa ♀), *Chron. O.* 308.—Peeters, 1900.

L.-c. × (unnamed) *G.C.* 1901, ii. 142; *O.R.* 1901, 283.—Miller.

\* L.-c. × Donna Roma, *Sand. O. Guide*, 339.

L.-c. × Mrs. E. Rogerson, *Sand. O. Guide*, 340.

L.-c. × tene-Schofieldiana, *Sand. O. Guide*, 340.

**156. L.-c. × Mardelli** (C. Lueddemanniana ♀ × L.-c. × devoniensis), *G.C.* 1889, i. 746; ii. 155; *O.R.* 1896, 222.—Veitch, 1879.

*Cattleya* × Mardelli, *G.C.* 1879, i. 234; *Fl. Mag.* 1881, t. 437; *O.A.* vi. t. 287; *V. Man. O.* ii. 91; *O.R.* 1893, 68; *Day Orch. Draw.* xxx. t. 65.

**157. L.-c. × Marguerite** (C. Warscewiczii × L.-c. × Schilleriana).—Maron, 1898.

L.-c. × Clonia var. Marguerite Maron, Cogn. in *Dict. Ic. O. L.-c.* t. 12 A.—Maron.

L.-c. × Clonia var. Amy Leemann, Cogn. in *Dict. Ic. O. L.-c.* t. 12.—Maron.

L.-c. × Clonia, with which this has been confused, is a hybrid between C. Warscewiczii and L.-c. × elegans.

**158. L.-c. × Marica** (C. amethystoglossa × L. cinnabarina ♀), *O.R.* 1903, 58.—(Clark, 1902) R. Young.

L.-c. × (unnamed), *O.R.* 1902, 373; 1903, 93.—Clark.

L.-c. × Edmund Rothwell, *Amer. G.* 1902, 564.—Rothwell.

**159. L.-c. × Maroni** (C. Eldorado × L. harpophylla ♀).—Maron, 1902.

L.-c. × amoena, *ŷ. S. H. Fr.* 1902, 747; *Rev. H.* 1902, 582.

**160. L.-c. × Marriottiana** (C. Skinneri × L. flava ♀), *G.C.* 1892, i. 503; *O.R.* 1893, 357.—Marriott, 1892.

\* **161. L.-c. × Martinetii** (C. Mossiæ × L. tenebrosa), *ŷ. S. H. Fr.* 1899, 496; *Chron. O.* 238; *O.R.* 1899, 195, 253; *G.M.* 1903, 511, f.—Maron, 1899.

L.-c. × tenebrosa-Mossiæ, *ŷ. S. H. Fr.* 1902, 400.—Page.

L.-c. × Mossiæ × grandis, *G.C.* 1902, i. 380; *Rev. H.* 1902, 261.—Dalle-magne.

L.-c. × The Coronation, *ŷ.H.* 1902, ii. 4; *G.M.* 1902, 409.—Peeters.

L.-c. × (unnamed), *ŷ. S. H. Fr.* 1902, 463.—Dalle-magne.

**162. L.-c. × Massangeana** (C. Schilleriana × L. tenebrosa ♀), *Chron. O.* 269; *G.C.* 1900, May 26, Suppl. 1; *O.R.* 1900, 176, 182; *Dict. Ic. O. L.-c.* t. 16.—Peeters, 1900.

\* **163. L.-c. × massiliensis** (C. Trianae × L. crispa ♀), *O.R.* 1897, 358.—Fournier, 1897.

\* *Cattleya* × massiliensis, *Rev. H.* 1897, 12, t.; *O.R.* 1897, 357.

L.-c. × Josephine, *O.R.* 1899, 354.—Chamberlain.

L.-c. × Labiena, *G.C.* 1900, ii. 384; *O.R.* 1900, 373.—Veitch.

- 164. L.-c. × Maynardi** (*C. dolosa* × *L. Dayana* ♀), *G.C.* 1893, i. 715, 724, f. 108; *O.R.* 1893, 96, 213.—Sander, 1893.
- 165. L.-c. × Measuresii** (*C. maxima* × *L. pumila*).—R. H. Measures, 1902.  
L.-c. × (unnamed) *Gard.* 1902, ii. 55.
- 166. L.-c. × Mercia** (*C. Schroderæ* × *L. flava* ♀), *G.C.* 1903, i. 239; *O.R.* 1903, 152.—Charlesworth, 1903.
- 167. L.-c. × Meteor** (*C. Bowringiana* × *L. Dayana* ♀), *G.C.* 1896, ii. 602; *O.R.* 1896, 375.—Ingram, 1896.
- 168. L.-c. × Milleræ** (*C. granulosa* × *L. cinnabarina* ♀).—Miller, 1900.  
L.-c. × Lady Miller, *G.C.* 1900, April 28, Suppl. 4; May 26, Suppl. 1; *O.R.* 1900, 156, 175.  
L.-c. × Rosamond Taylor, *Sand. O. Guide*, 340.
- 169. L.-c. × Milleri** (*C. × Brymeriana* × *L. tenebrosa*).—Miller, 1900.  
L.-c. × (unnamed), *G.C.* 1900, ii. 424; *O.R.* 1901, 21.
- 170. L.-c. × Minerva** (*C. Lawrenceana* × *L. Perrinii* ♀), *G.C.* 1896, ii. 602; *O.R.* 1896, 375.—Ingram, 1896.
- 171. L.-c. × mollis** (*C. Mossiæ* ♀ × *L. Boothiana*), *O.R.* 1902, 342; *Sand. O. Guide*, 340.—Sander, 1902.
- 172. L.-c. × Morrisii** (*Cattleya Schilleriana* ♀ × *L.-c. × Schilleriana*).—Sander, 1900.  
L.-c. × Harold Morris, *G.C.* 1900, i. 302; *O.R.* 1900, 171.
- 173. L.-c. × Mylamiana** (*C. granulosa* ♀ × *L. crispa*), *ŷ.L.S.* xxiv. 169, *Lælia* × *Mylamiana*, *G.C.* 1876, ii. 740, 741, f. 138.  
L.-c. × Sidneana, *Bohnh. Dict. O. Hyb.* 45.  
L.-c. × Mandarin, *O.R.* 1902, 270, 294.—Miller.  
L.-c. × Wylamiana, *G.C.* 1902, ii. 183; *O.R.* 1902, 307.—Moss.
- 174. L.-c. × Myra** (*C. Trianæ* ♀ × *L. flava*), *G.C.* 1895, i. 337; 1898, i. 106; 1902, i. 219; *O.R.* 1895, 103, 127; *Dict. Ic. O. L.-c. t.* 10; *ŷ.H.* 1904, i. 157, f. (v. *Charlesworthii*).—Veitch, 1895.  
L.-c. × Etoile d' Or, *ŷard.* 1898, 80; *ŷ. S. H. Fr.* 1898, 173, 287; *Chron. O.* 102.—Fournier.
- 175. L.-c. × Nephelia** (*C. Mossiæ* × *L.-c. × Amesiania*), *G.C.* 1900, ii. 18; *O.R.* 1900, 250.—Veitch, 1900.
- 176. L.-c. × Noel** (*C. granulosa* × *L.-c. × Schilleriana* ♀), *G.C.* 1903, ii. 132.—Hardy, 1903.
- 177. L.-c. × Norba** (*C. Mossiæ* ♀ × *L. xanthina*), *G.C.* 1902, ii. 63; *O.R.* 1902, 244; 1903, 339, 352; *G.M.* 1903, 725, f. (v. *superba*); *Gard.* 1903, ii. 321, f. (v. *superba*); *ŷ.H.* 1903, ii. 437, f. (v. *superba*).—Veitch, 1902.  
L.-c. × (unnamed), *O.R.* 1903, 214.—Tracy.
- 178. L.-c. × Novelty** (*L. pumila* ♀ × *L.-c. × elegans*), *G.C.* 1889, ii. 155; 1890, ii. 354.—Veitch, 1887.  
*Lælia* × *Novelty*, *G.C.* 1887, ii. 490; *O.R.* 1893, 134.  
L.-c. × *trentonensis* (× *elegans* ♀) *O.R.* 1895, 15.—Roebing.

- 179. L.-c. × novissima** (C. Gaskelliana ♀ × L. anceps), *G.C.* 1903, i. 78; *O.R.* 1903, 53.—Sander, 1903.
- **180. L.-c. × Nysa** (C. Warscewiczii × L. crispa ♀), *G.C.* 1891, ii. 254; 1893, ii. 343; *ŷ.H.* 1894, i. 31, f. 5; 1897, i. 118, 119, f. 28 (v. *superba*); 1900, ii. 329, f. 91; *O.R.* 1893, 307, 325; *Dict. Ic. O. L.-c. t. 1.*—Veitch, 1891.
- 181. L.-c. × ochracea** (L. harpophylla ♀ × L.-c. × Sallieri) *ŷ. S. H. Fr.*, 1900, 841; *O.R.* 1901, 53.—Maron, 1900.
- L.-c. × leucasta, *O.R.* 1901, 24 (not elsewhere).
- 182. L.-c. × odorata** (C. Eldorado ♀ × L. xanthina), *G.C.* 1897, ii. 278; *O.R.* 1897, 348.—Ingram, 1897.
- 183. L.-c. × olivetensis** (C. Leopoldi × L. pumila ♀), *ŷ. S. H. Fr.* 1897, 608; *Chron. O.* 44, 55, 57.—Mantin, 1897.
- **184. L.-c. × Ophir** (C. Dowiana × L. xanthina ♀), *G.C.* 1901, ii. 330; *O.R.* 1901, 350.—Veitch, 1901.
- 185. L.-c. × Osyana** (C. Leopoldi × L. harpophylla ♀), *Chron. O.* 198.—Peeters, 1899.
- L.-c. × Oxyana, *Sand. O. Guide*, 340.
- L.-c. × “Oxyana” is probably a misprint for Osyana, which is omitted from the work cited. “L. cinnabarina” there also appears to be a mistake for L. harpophylla.
- **186. L.-c. × Pallas** (C. Dowiana × L. crispa ♀), *G.C.* 1889, ii. 701; *O.R.* 1894, 21; *Lind.* xiii. t. 608 (v. *inversa*); *G.W.* 1897, 553, f.; *Rev. H. Belge*, 1897, 130, 131, f. 22; *Gtfl.* 1897, 553, 557, f. 75; *Dict. Ic. O. L.-c. t. 9.*—Veitch, 1889.
- 187. L.-c. × Parysatis** (C. Bowringiana ♀ × L. pumila), *O.R.* 1894, 310.—Veitch. 1893.
- 188. L.-c. × Percibarina** (C. Percivaliana ♀ × L. cinnabarina), *Sand. O. Guide*, 340.—Sander, 1902 or 1903.
- Messrs. Sander inform us that this has not been elsewhere recorded.
- 189. L.-c. × Pharos** (C. *superba* × L. *tenebrosa* ♀), *G.C.* 1902, ii. 105.—Holford, 1902.
- 190. L.-c. × Philbrickiana** (C. Aclandiae ♀ × L.-c. × *elegans*), *ŷ.L.S.* xxiv. 169; *O.R.* 1893, 69; *ŷ. S. H. Fr.* 1901, 599; *Day Orch. Draw.* xxx. t. 41; xliv. t. 5.—Veitch, 1879.
- Lælia × Philbrickiana, *G.C.* 1879, ii. 102.
- L.-c. × *tigrina* (*elegans* ♀) *ŷ. S. H. Fr.* 1901, 97.—Doin.
- 191. L.-c. × Phryne** (C. Warscewiczii ♀ × L. xanthina), *G.C.* 1899, ii. 197; *O.R.* 1899, 287.—Veitch, 1897.
- 192. L.-c. × Picanus** (L. cinnabarina × L.-c. × Pallas), *G.C.* 1902, i. 218; *O.R.* 1902, 117.—Veitch, 1902.
- 193. L.-c. × Pisandra** (C. Eldorado × L. crispa ♀), *G.C.* 1893, ii. 536; *ŷ.H.* 1893, ii. 394, 407, f. 60; *O.R.* 1893, 374; 1901, 39.—Veitch, 1893.
- 194. L.-c. × porphyrea** (C. Lueddemanniana × L. pumila ♀).—Thayer, 1903.

L.-c. × Timora var. porphyrea, *Amer. G.* 1903, 134

Formerly considered as a variety of L.-c. × Timora, which has L. Dayana for the second parent.

**195. L.-c. × Powellii** (C. Mendelii ♀ × L.-c. × Schilleriana), *G.C.* 1901, ii. 330; *O.R.* 1901, 350.—Brymer, 1901.

**196. L.-c. × Praetii** (C. dolosa × L. Boothiana), *G.C.* 1903, i, 401; *R. H. Belge*, 1903, 205.—Praet, 1903.

**197. L.-c. × princeps** (C. × Brymeriana × L.-c. × elegans ♀).—Sander, 1898. L.-c. × Duke of York, *G.C.* 1898, i. 398; *O.R.* 1898, 217, 220.

**198. L.-c. × Pringiersi** (L. purpurata × L.-c. × elegans), *Lind.* xvi. t. 750.—Linden, 1901.

L.-c. × dellensis, *Sand. O. Guide*, 277.

**199. L.-c. × Proserpine** (C. velutina × L. Dayana ♀), *G.C.* 1890, ii. 352; *O.R.* 1893, 292; *Dict. Ic. O. L.-c.* t. 2. —Veitch, 1890.

**200. L.-c. × radiata** (C. dolosa × L. purpurata ♀), *G.C.* 1898, i. 334; 1899, ii. 58, 99; *O.R.* 1898, 189; 1899, 249, 253; *Rev. H.* 1898, 335.—(Maron) Charlesworth, 1898.

The pollen parent of this hybrid has been variously stated as C. dolosa, C. nobilior and C. Walkeriana. We have followed the original record.

**201. L.-c. × Reginæ** (C. Forbesii × L. purpurata ♀), *Chron. O.* 55; *O.R.* 1899, 310.—Mantin, 1897.

C. × Reginæ, *ŷ. S. H. Fr.* 1897, 609.—Mantin.

L.-c. × Cypheri, *O.R.* 1897, 313.—Cypher.

L. c. × Mariæ Piæ, *Chron. O.* 173; *ŷ. S. H. Fr.* 1898, 699.—Mantin.

**202. L.-c. × Remula** (C. Aclandiae ♀ × L. tenebrosa), *G.C.* 1900, ii. 97; 1902, i. 50; *O.R.* 1900, 228, 253; 1902, 51.—Veitch, 1900.

**203. L.-c. × Robinii** (C. granulosa × L. xanthina ♀).—Sander, 1897.

L.-c. × Robin Measures, *G.C.* 1897, ii. 150; *O.R.* 1897, 277, 287.

**204. L.-c. × Robsonæ** (C. Bowringiana × L.-c. × Ingrami), *G.C.* 1903, ii. 411; *O.R.* 1904, 21.—Robson, 1903.

**205. L.-c. × Robsoni** (C. superba × L.-c. × elegans ♀).—Robson, 1899.

L.-c. × superbo-elegans, *O.R.* 1899, 317; 1902, 172.—Robson.

L.-c. × Harold Measures, *Boyle Woodl. O.* 11.—R. H. Measures.

**206. L.-c. × Roeblingii** (C. Gaskelliana ♀ × L. purpurata), *ŷ. R. H. S.* xxvi. 692.—Sander, 1895.

L.-c. × C. G. Roebing, *G.C.* 1895, i. 800; *O.R.* 1895, 243, 253; *G.M.* 1895, 492, 493, f.; *Amer. G.* xxi. 709, f.

L.-c. × Violetta, *G.C.* 1897, i. 115; *O.R.* 1897, 94, 112.—Veitch.

L.-c. × Boreli, *ŷ. S. H. Fr.*, 1898, 846; *Chron. O.* 167.—Maron.

**207. L.-c. × Rosalind** (C. Trianae ♀ × L.-c. × Dominiana), *G.C.* 1896, ii. 766; 1897, i. 2, 3, f. 1; 1902, i. 219 (v. Prince of Wales); *O.R.* 1897, 31; 1902, 117; *ŷ.H.* 1897, i. 54, 55, f. 16; *G.M.* 1897, 20, 21, f.—Veitch, 1896.

**208. L.-c. × Rothschildiæ** (C. Warscewiczii × L. Perrinii ♀).—Veitch, 1895.

L.-c. × Lady Rothschild, *O.R.* 1895, 353; 1896, 32, 375; *G.C.* 1895, ii. 721.

• **209. L.-c. × rubens** (C. × Hardyana ♀ × L. pumila), *G.C.* 1903, ii. 278; *Sand. O. Guide*, 340.—Sander, 1903.

**210. L.-c. × Ruby** (C. Lawrenceana ♀ × L.-c. × elegans).—Ingram, 1897.

L.-c. × Ruby Gem, *G.C.* 1897, ii. 150; *O.R.* 1897, 287.—Ingram.

L.-c. × eleganti-Lawrenceana, *O.R.* 1898, 315.—Keeling.

L.-c. × elegans-Lawrenceana, *G.C.* 1898, ii. 279.—Keeling.

**211. L.-c. × Sallieri** (C. Loddigesii × L. purpurata ♀), *Rev. H.* 1895, 511; *ŷ.d.O.* vii. 290; *O.R.* 1898, 354; *Dict. Ic. O. L.-c.* t. 4.—Fournier, 1895.

Cattleya × Sallieri, *ŷ. S. H. Fr.* 1895, 671.—Fournier.

L.-c. × weedoniensis (C. Loddigesii ♀), *O.R.* 1898, 5, 192, 354.—Thornton.

**212. L.-c. × Sanderæ** (C. Dormaniana × L. xanthina ♀), *G.C.* 1893, ii. 406; *O.R.* 1893, 350, 363.—Sander, 1893.

Lælia × Sanderæ, *Sand. O. Guide*, 276.

**213. L.-c. × Santiago** (C. intermedia × L.-c. × Hippolyta ♀), *Amer. G.* 1899, 700; *Chron. O.* 299.—Roebing, 1899.

• **214. L. c. × Schilleriana** (C. intermedia × L. purpurata ♀), *O.R.* 1898, 168, 259; 1901, 221, 222 (intermedia ♀).—Charlesworth, 1898.

L.-c. × elegans, *Rev. H.* 1898, 335.—Maron.

This was originally described as a species, under the name of Lælia Schilleriana (Rehb. f. in *Allg. Gartenz.* 1855, 322), when it appeared in the collection of Consul Schiller, of Hamburg. Its hybrid origin was afterwards recognised, and the plant was referred to Lælio-cattleya. It has been much confused with L.-c. × elegans, the natural hybrid between C. Leopoldi and L. purpurata. For its history and synonymy see *O.R.* 1893, 237, 238.

• **215. L.-c. × Schröderæ** (C. Trianae ♀ × L. Jongheana).—Schröder, 1892.

L.-c. × Baroness Schröder, *G.C.* 1892, ii. 249; *O.R.* 1893, 357.

Cattleya × Baroness Schröder, *Sand. O. Guide*, 258.

• **216. L.-c. × Schulzeana** (C. labiata × L.-c. × elegans ♀), *Lind.* xi. t. 489.—Linden, 1895.

L.-c. × Wilhelmina, *G.C.* 1903, ii. 377; *O.R.* 1903, 365.—Charlesworth.

**217. L.-c. × Scottiana** (C. labiata × L.-c. × Schilleriana).—(Maron) Leemann, 1899.

L.-c. × Captain Scott, *G.C.* 1899, ii. 426; *O.R.* 1899, 371.—Leemann.

L.-c. × Captain Percy Scott, *ŷ. S. H. Fr.* 1900, 766; *G.C.* 1901, i. 171; *O.R.* 1901, 119.—Maron.

• **218. L.-c. × Scylla** (C. Warscewiczii × L.-c. Sallieri ♀).—Maron, 1902.

L.-c. × Salliero-gigas, *ŷ. S. H. Fr.* 1902, 693, 777; *Rev. H.* 1902, 538.

**219. L.-c. × Sedeni** (C. superba ♀ × L.-c. × devoniensis), *G.C.* 1889, ii. 155.—Veitch, 1877.

Lælia × Sedeni, *G.C.* 1877, ii. 424; 1881, ii. 281; *Day Orch. Draw.* xxxviii. t. 17.

• **220. L.-c. × Semiramis** (C. Gaskelliana × L. Perrinii ♀), *G.C.* 1895, ii. 588; *O.R.* 1895, 376.—Veitch, 1895.

- 221. L.-c. × Senarti** (L.-c. × *callistoglossa* × L.-c. × *elegans* ♀), *ŷ. S. H. Fr.* 1901, 211; *O.R.* 1901, 338.—Maron, 1900.
- 222. L.-c. × Seraph** (*C. citrina* × L.-c. × *elegans* ♀), *G.C.* 1896, ii. 195; *O.R.* 1896, 286.—Ingram, 1896.
- 223. L.-c. × Speranskyæ** (*C. Skinneri* × *L. purpurata* ♀).—Leemann, 1900.  
L.-c. × Marie Speransky, *O.R.* 1900, 165.
- 224. L.-c. × Statteriana** (*C. labiata* × *L. Perrinii* ♀), *G.C.* 1893, ii. 630; *ŷ.H.* 1893, ii. 462, 463, f. 67; *O.R.* 1893, 375; 1894, 21; 1902, 367 (v. *superba*).—Veitch, 1893.  
L.-c. × Clodoald, *ŷ. S. H. Fr.* 1900, 841.—Lesuer.
- 225. L.-c. × Stella** (*L. crispa* ♀ × L.-c. × *Schilleriana*), *G.C.* 1889, ii. 222; *O.R.* 1893, 261.—Veitch, 1889.
- 226. L.-c. × Stepmani** (*C. Warscewiczii* × L.-c. × *Leeana* ♀).—Peeters, 1902, *Cattleya* × *Stepmani*, *G.C.* 1902, ii. 387; *Rev. H. Belge*, 1902, 280.
- 227. L.-c. × Sunray** (*C. superba* × *L. cinnabarina* ♀), *G.C.* 1900, i. 62, 1902, i. 151; *O.R.* 1900, 61; 1902, 58.—Charlesworth, 1900.  
L.-c. × (unnamed), *Rev. H. Belge*, 1903, 96.—De Smet-Duvivier.
- 228. L.-c. × Terentia** (*C. bicolor* × *L. crispa*), *G.C.* 1900, ii. 466; *O.R.* 1901, 22.—Veitch, 1900.
- 229. L.-c. × Timora** (*C. Lueddemanniana* × *L. Dayana* ♀), *G.C.* 1889, ii. 155; *G.M.* 1894, 405, f.; *O.R.* 1894, 255.—Veitch, 1887.  
*Lælia* × *Timora*, *G.C.* 1887, ii. 428.
- 230. L.-c. × Tiresias** (*C. Bowringiana* ♀ × L.-c. × *elegans*), *O.R.* 1896, 15.—Veitch, 1895.  
L.-c. × *Ophelia*, *G.C.* 1898, ii. 342; *O.R.* 1898, 347; 1902, 94.—Leemann.
- 231. L.-c. × Topaz** (*C. Warneri* × *L. cinnabarina*), *O.R.* 1902, 58.—(Charlesworth), Chamberlain, 1902.
- 232. L.-c. × Tresederiana** (*C. Loddigesii* ♀ × *L. crispa*), *G.C.* 1889, ii. 155.—Heath, 1888.  
*Lælia* × *Tresederiana*, *G.C.* 1888, i. 136; *O.R.* 1893, 227.
- 233. L.-c. × triophthalma** (*C. superba* ♀ × L.-c. × *exoniensis*), *G.C.* 1889, i. 802; ii. 155; *O.R.* 1894, 40.—Veitch, 1883.  
*Cattleya* × *trioophthalma*, *G.C.* 1883, ii. 526; *O.R.* 1893, 101; *Day Orch. Draw.* xlvii. t. 83.  
*Lælia* × *trioophthalma*, *V. Man. O.* ii. 97.
- \* **234. L.-c. × Truffautiana** (*C. Dowiana* × *L. tenebrosa* ♀), *O.R.* 1901, 338; *ŷ. S. H. Fr.* 1901, 996, 1002; 1902, 228; *ŷard.* 1902, 103; *Dict. Ic. O.* L.-c. t. 23, 23a (v. *Fournieri*).—Maron, 1901. [See Fig. 35.]
- \* L.-c. × *luminosa*, *G.C.* 1901, ii. 360; 1902, i. 85; *O.R.* 1901, 366; 1902, 53, 152, 153, f. 18; *G.M.* 1904, 405, 408, f. (v. *The Mikado*).—Charlesworth.  
L.-c. × (unnamed), *ŷ. S. H. Fr.* 1896, 929.—Treyeran.
- 235. L.-c. × Tydea** (*C. Trianae* × *L. pumila* ♀), *G.C.* 1894, i. 210; *O.R.* 1894, 95; 1902, 94; *ŷ.H.* 1894, i. 181, f. 30.—Veitch, 1894.



**236. L.-c. × Tyro** (*C. Gaskelliana* × *L.-c.* × *Proserpine*), *G.C.* 1902, ii. 272; *O.R.* 1902, 339.—Veitch, 1902.

**237. L.-c. × Veitchiana** (*C. labiata* ♀ × *L. crispa*) *ŷ.L.S.* xxiv. 169; *ŷard.* 1903, 48.—Veitch, 1874.

*Lælia* × *Veitchiana*, *G.C.* 1874, i. 566; 1876, i. 567; 1883, ii. 142, 144, **Suppl. f.**; *Fl. M.* 1878, t. 305.

*Cattleya* × *Veitchiana*, *G.C.* 1874, i. 385.

*Lælia* × *caloglossa*, *G.C.* 1877, i. 202; *O.R.* 1893, 35; *Bohnh. Dict. O. Hyb.* 41.—Veitch.

*L.-c.* × *caloglossa*, *G.C.* 1889, ii. 79.



Fig. 35. *LÆLIOCATTELEYA* × *TRUFFAUTIANA*.

*L.-c.* × *Veitchii*, *Rev. H.* 1903, 70; *ŷ. S. H. Fr.* 1903, 45.—Ragot.

*Lælia* × *caloglossa* is a mysterious plant. Reichenbach thought the parents were *Cattleya labiata* and either *Lælia crispa* or *L. Boothiana*. Bohnhof gives *L. crispa* and *L. Perrinii*, which would make it a form of *L. × Pilcheri*, but this seems erroneous. The plant has been lost sight of.

**238. L.-c. × Venus** (*C. Percivaliana* × *L.-c.* × *elegans* ♀), *G.C.* 1897, i. 51; *O.R.* 1897, 62.—Ingram, 1897.

**239. L.-c. × Yesta** (*C. superba* × *L.-c.* × *Doris* ♀), *G.C.* 1902, i. 5.—Veitch, 1902.

**240.** L.-c. × **Victoria** (*L. crispa* ♀ × L.-c. × *Dominiana*), *G.C.* 1889, ii, 156.—Veitch, 1888.

*Lælia* × *Victoria*, *G.C.* 1888, ii, 578; *Gard. and For.* 1888, 495.

**241.** L.-c. × **Yinesia** (*L. tenebrosa* ♀ × L.-c. × *Hippolyta*), *O.R.* 1901, 197; *G.C.* 1902, ii, 25.—(Charlesworth) Clark, 1901.

L.-c. × *Eclipse*, *Sand. O. Guide*, 339.

**242.** L.-c. × **warnhamensis** (*C. Trianae* × *L. cinnabarina* ♀), *G.C.* 1898, i, 15; *O.R.* 1898, 124; 1899, 66; *ŷ. S. H. Fr.* 1900, 113, 180 (v. *Cappei*).—Lucas, 1898.

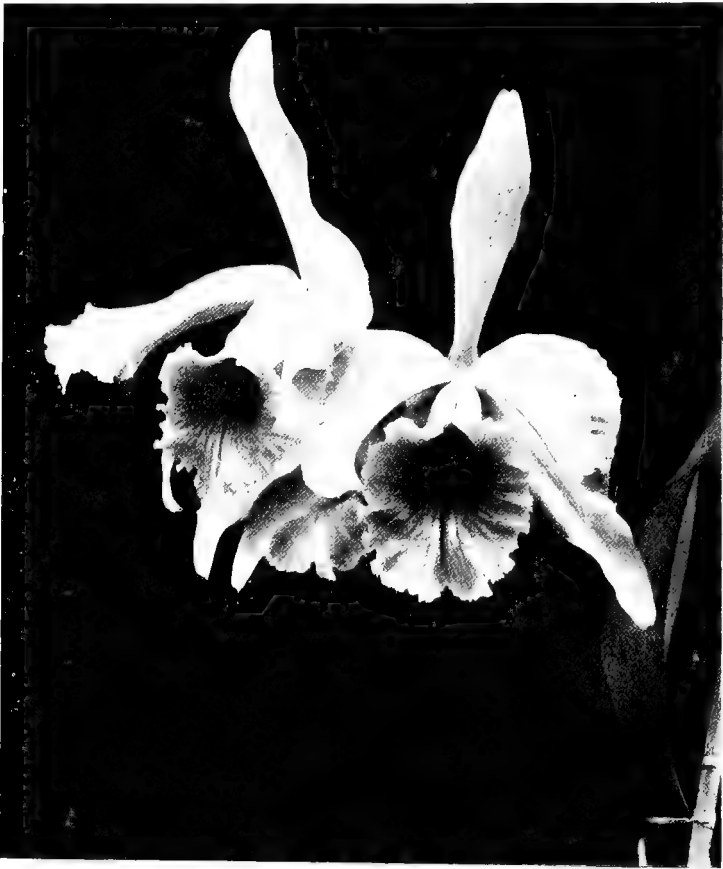


Fig. 36. LÆLIOCATTELEYA × WIGANIAE.

L.-c. × *Onyx*, *ŷ. S. H. Fr.* 1901, 454, 635; *Rev. H.* 1903, 213.—Fanyau.

L.-c. × *General French*, *Sand. O. Guide*, 339.

**243.** L.-c. × **Wavrinii** (*C. superba* × *L. pumila*).—Wavrin, 1903.

L.-c. × (unnamed), *O.R.* 1903, 149.

**244.** L.-c. × **Wellsiana** (*C. Trianae* ♀ × *L. purpurata*), *G.C.* 1894, i, 762; *O.R.* 1894, 224; 1903, 82; *ŷ.H.* 1898, i, 459, f. 86 (v. *langleyensis*); *ŷ. S. H. Fr.* 1903, 194; *G. World*, 1903, 183, f. (v. *magnifica*).—Sander, 1894.

L.-c. × (unnamed), *J. S. H. Fr.* 1902, 462.—Duval.

L.-c. × *Cythera*, *Sand. O. Guide*, 339.

**245. L.-c. × *Whitinia*** (*C. Harrisoniana* × *L. purpurata* ♀).—Whitin, 1899.

L.-c. × *Sallieri*, *Amer. G.* 1899, 700.—Whitin.

L.-c. × *Catherine L. Whitin*, *Amer. G.* 1899, 700 (in note).—Whitin.

L.-c. × *Ancona* (*Harrisoniana* ♀), *Boyle Woodl. O.* 88.—R. H. Measures.

This hybrid was classed as a form of L.-c. × *Sallieri*, but if *C. Harrisoniana* was one parent, as recorded, it should be considered as distinct.

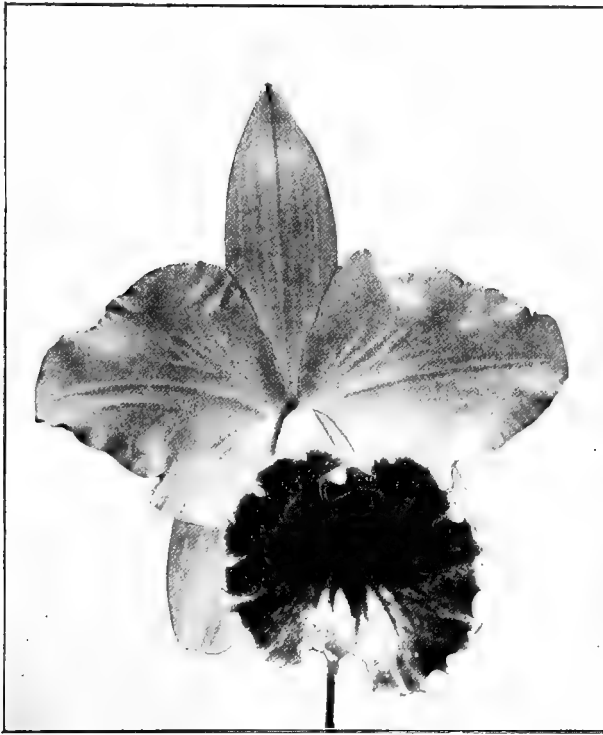


Fig. 37. *LÆLIOCATTLEVA* × *WILSONÆ*.

**246. L.-c. × *Wigania*** (*C. Mossia* × L.-c. × *Gottoiana* ♀), *G.C.* 1900, ii. 18, 47, f. 8 (v. *aurea*); *O.R.* 1900, 214, 249; 1903, 233, f. 39.—Wigan, 1900.

L.-c. × *Adrastus*, *Gard.* 1903, i. 380.—Keeling. [See Fig. 36.]

**247. L.-c. × *Wiganiana*** (*L. purpurata* ♀ × L.-c. *Dominiana*) *G.C.* 1899, ii. 156; *O.R.* 1899, 285.—Wigan, 1899.

L.-c. × *Wigania*, *J.H.* 1899, ii. 192, 193, f. 39.

**248. L.-c. × *Wilsonæ*** (*C. labiata* ♀ × *L. Dayana*), *G.C.* 1899, ii. 441; *O.R.* 1900, 28; 1901, 324, 371, f. 53.—Sander, 1899. [See Fig. 37.]

**249. L.-c. × *wisetonensis*** (*C. Warneri* × L.-c. × *callistoglossa* ♀), *Sand. O. Guide*, 340.—Sander, 1901 or 1902.

We only know of the above record, but Messrs. Sander write that it is one of their hybrids, which flowered in 1901 or 1902.

**250** L.-c. × **Wrigleyi** (*C. Bowringiana* × *L. anceps* ♀), *O.R.* 1899, 359; 1900, 145, f.; 1902, 29; *G.M.* 1903, 795, f.; *Dict. Ic. O.* L.-c. t. 33.—Wrigley, 1899. [See Fig. 38.]

L.-c. × *gracilis*, *G.C.* 1902, ii. 387; *Rev. H. Belge* 1902, 280.—Peeters.

**251.** L.-c. × **Zampa** (*C. intermedia* × L.-c. × *Schilleriana* ♀).—Fournier, 1903.



Fig. 38. *LELIOCATTELYA* × *WRIGLEYI*.

L.-c. × (unnamed) *Rev. H.* 1903, 47; *J. S. H. Fr.* 1903, 37.

**252.** L. c. × **Zenobia** (*C. Loddigesii* ♀ × L.-c. × *elegans*), *G.C.* 1889, i 802; ii. 156.—Veitch, 1887.

*Cattleya* × *Zenobia*, *G.C.* 1887, ii. 552; *O.R.* 1893, 196.

*C.* × *Cassandra*, *G.C.* 1888, ii. 596; *O.R.* 1893, 259.—Veitch.

L.-c. × *Cassandra*, *G.C.* 1889, i. 491; ii. 78.

L.-c. × *Ino*, *Sand. O. Guide*, 278.

L.-c. × *Pytho*, *G.C.* 1896, i. 740; *O.R.* 1896, 221; *ŷ. H.* 1896, i. 535, 579, 588, f. 102.—Ingram.

\* **253.** L.-c. × *Zephyra* (*C. Mendelii* ♀ × *L. xanthina*), *G.C.* 1894, ii. 103; *O.R.* 1894, 285.—Veitch, 1894.

## 20. LEPTOLÆLIA.

A genus established to contain the following hybrid between *Leptotes* and *Lælia*.

1. **Leptolælia** × **Yeitchii** (*Lælia cinnabarina* × *Leptotes bicolor* ♀), *G.C.* 1902, i. 280; 1903, i. 50, ff. 23, 24; *O.R.* 1902, 149, 157.—Veitch, 1902.

## 21. LYCASTE.

1. **L.** × **Balliæ** (*macrophylla* × *Skinneri*), *O.R.* 1898, 371; 1903, 80, f. 19; *G.M.* 1903, 356, f.—Ball, 1896.

L. × *schœnbrunnensis*, *O.R.* 1896, 40 (not earlier).—Ball.

L. × *Charlesworthii*, *G.C.*, 1902, i. 135; *O.R.* 1902, 94, 118.—Charlesworth.

L. × *Cappei*, *ŷ. S. H. Fr.* 1900, 58; 1901, 371; 1902, 139.—Cappe.

L. × (unnamed), *O.R.* 1900, 95.—Cappe.

L. × *Mary Gratrix*, *G.C.* 1898, i. 255; *O.R.* 1898, 153; 1903, 81.—*Gratrix*.

2. **L.** × **Groganii** (*aromatica* × *Deppei*), *O.R.* 1904, 158.—Grogan, 1902.

3. **L.** × **hybrida** (*Deppei* × *Skinneri*), *V. Man. O.* ix. 97; *O.R.* 1893, 197; 1901, 100.—Marshall, 1878.

L. × (unnamed) *G.C.* 1878, ii. 535.—Marshall.

L. × *Mantini* (*Deppei* ♀), *ŷ. S. H. Fr.* 1897, 242.—Mantin.

*Lycaste Deppei punctatissima*, *G.C.* 1881, ii. 717; *O.A.* vi. t. 262, is believed to be a natural hybrid with the same origin.

4. **L.** × **Imschootiana** (*cruenta* × *Skinneri* ♀), *G.C.* 1893, ii. 756, 775, f. 119; *ŷ.H.* 1893, ii. 549, f. 79; *G.M.* 1894, 151, f.; *O.R.* 1894, 8, 30; 1896, 78.—Van Imschoot, 1893.

Originally recorded as possibly a natural hybrid from Peru, and then as derived from *Lycaste Skinneri* × *Maxillaria nigrescens*, both of which are certainly erroneous.—See *O.R.* 1898, 78.

5. **L.** × **Janetæ** (*Rossiana* × *Skinneri* ♀), *O.R.* 1899, 360; 1901, 95; 1903, 63.—Ross, 1899.

6. **L.** × **schœnbrunnensis** (*Schilleriana* × *Skinneri*), *O.R.* 1893, 51.—Emperor of Austria, 1893.

## 22. MACOMARIA.

A genus established to contain the following hybrid between *Macodes* and *Hæmaria*.

1. **Macomaria** × **Veitchii** (*Hæmaria discolor* ♀ × *Macodes Petola*), *f. L. Soc.* xxiv. 170.—Veitch, 1862.

*Goodyera* × *Veitchii*, *Proc. R. H. S.*, ii. 546; v. 139; *G.C.* 1865, 462; *O.R.* 1893, 4.

### 23. MASDEVALLIA.

1. **M.** × **Acis** (*abbreviata* × *Veitchiana*), *O.R.* 1896, 82.—Hincks, 1896.

2. **M.** × **Ajax** (*Chelsoni* ♀ × *peristeria*), *G.C.* 1896, ii. 137; *O.R.* 1896, 228, 256.—Veitch, 1896.

3. **M.** × **Alceste** (*Asmodia* ♀ × *Veitchiana*), *G.C.* 1901, i. 242; *O.R.* 1901, 154.—Veitch, 1901.

4. **M.** × **Amesiana** (*tovarensis* × *Veitchiana* ♀), *G.C.* 1890, ii. 197; *O.R.* 1893, 293; *Dict. Ic. O. Masd. hyb. t. 2* (v. *McVittæ*).—Sander, 1890.

5. **M.** × **Asmodia** (× *Chelsoni* ♀ × *Reichenbachiana*), *G.C.* 1894, i. 762; *O.R.* 1894, 202, 224.—Veitch, 1894.

6. **M.** × **bockingensis** (*cucullata* × *Veitchiana*).—(Courtauld) Lawrence, 1900.

*M.* × *Bocking Hybrid*, *G.C.* 1900, ii. 346; *O.R.* 1900, 370.

7. **M.** × **Cassiope** (*coccinea* × *triangularis* ♀), *G.C.* 1892, i. 749; *O.R.* 1893, 356.—Hincks, 1892.

By some mistake the original description is credited to “J. O’Brien.” It should have been “R. A. Rolfe.”

8. **M.** × **Chelsoni** (*amabilis* ♀ × *Veitchiana*), *G.C.* 1880, i. 554; 1889, i. 619 (var. *splendens*); *O.R.* 1893, 69.—Veitch, 1880.

The variety *splendens* was raised from the reverse cross.

9. **M.** × **Circe** (*Schroederiana* × *Veitchiana* ♀), *G.C.* 1898, ii. 168; *O.R.* 1898, 287.—Veitch, 1898.

10. **M.** × **Courtauldiana** (*caudata* × *rosea*), *G.C.* 1889, i. 200; *O.R.* 1893, 261; *Reichenb. ser. 2*, ii. 63, t. 76, f. 1; *Dict. Ic. O. Masd. hyb. t. 1*.—Cookson, 1889.

11. **M.** × **Curlei** (*Macrura* ♀ × *tovarensis*), *G.C.* 1896, i. 40; *O.R.* 1896, 83.—Curle, 1896.

12. **M.** × **Doris** (*racemosa* × *triangularis* ♀), *O.R.* 1894, 22.—Hincks, 1894.

13. **M.** × **Eric** (*Chimæra* × *tovarensis*).—Veitch, 1902.

*M.* × *Circe*, *G.C.* 1902, i. 251; *O.R.* 1902, 147.

The first hybrid from *M. Chimæra*, which unfortunately received a name already in use. Mr. Seden informs us that the record is quite correct, hence we have re-named the plant as above, using an anagram of the original name.

14. **M.** × **falcata** (*coccinea* ♀ × *Veitchiana*), *G.C.* 1899, i. 109; *O.R.*, 1899, 93.—Lawrence, 1899.

15. **M.** × **Fraseri** (*coccinea* × *ignea* ♀), *G.C.* 1882, i. 143; *O.R.* 1893, 100.—Fraser, 1882.

M. × *Ellisiana* (*coccinea* ♀), *G.C.* 1889, ii. 154; *O.R.* 1893, 262.—Veitch, 1889.

M. × *Parksii*, *Sand. O. Guide*, 280.

M. × *Weathersiana*, *Sand. O. Guide*, 280.

16. M. × *Gairiana* (*Davisii* × *Veitchiana* ♀), *G.C.* 1884, ii. 38; *O.R.* 1893, 101.—Veitch, 1884.

17. M. × *Geleniana* (*caudata* ♀ × *xanthina*), *G.C.* 1887, ii. 586; *O.R.* 1893, 133, 186; *γ.H.* 1893, ii. 119, f. 18; 1899, i. 293, f. 70; *Reichenb.* ser. 2, ii. 63, t. 76, f. 2.—Sander, 1887.

18. M. × *glaphyrantha* (*Barlæana* × *infracta* ♀), *G.C.* 1886, ii. 648; *O.R.* 1893, 132.—Veitch, 1886.

19. M. × *Heathii* (*ignea* × *Veitchiana*) *G.C.* 1889, i. 342; *Hans. O. Hyb.* 210.—Heath, 1889.

M. × *Mundyana*, *G.C.* 1891, i. 682, 683; *O.R.* 1893, 324.—Sander.

20. M. × *Hebe* (*coriacea* ♀ × *Veitchiana*), *O.R.* 1899, 101.—Hincks, 1899.

M. × *ferrieriensis* (*Veitchiana* ♀), *G.C.* 1902, ii. 112.—Lawrence.

21. M. × *Henrietta* (*caudata* × *ignea* ♀), *G.C.* 1893, i. 740; *O.R.* 1893, 246; 1894, 203; *Lind.* xii. t. 557.—Ames, 1893.

22. M. × *Hincksia* (*caudata* ♀ × *Gairiana*), *O.R.* 1903, 7.—Hincks, 1902.

23. M. × *Hincksiana* (*ignea* × *tovarensis* ♀), *G.C.* 1887, ii. 214; *O.R.*, 1893, 78, 133.—Hincks, 1887.

24. M. × *Imogen* (*Schlimii* ♀ × *Veitchiana*), *G.C.* 1898, ii. 56; *O.R.* 1898, 255.—Veitch, 1898.

25. M. × *Kimballiana* (*caudata* × *Veitchiana* ♀), *O.R.* 1893, 61.—Sander, 1893.

M. × *Pourbaixii*, *Lind.* ix. t. 387.—Pourbaix.

26. M. × *langleyensis* (*Estradæ* ♀ × *Veitchiana*).—Hincks, 1893.

M. × *Veitchiano-Estradæ*, *G.C.* 1893, i. 724; *O.R.* 1893, 193, 211.

27. M. × *Lawrencei* (*Veitchiana* × *xanthina*).—Lawrence, 1902.

M. × *xanthino-Veitchiana*, *G.C.* 1902, i. 183; *O.R.* 1902, 114.

28. M. × *Leda* (*Arminii* × *Estradæ* ♀), *O.R.* 1895, 203.—Hincks, 1895.

29. M. × *McVittia* (*coccinea* × *tovarensis* ♀), *G.C.* 1892, ii. 744; *O.R.* 1893, 22, 356; *Thompson Sale Cat.* t. 5.—Thompson, 1892.

M. *Veitchiana* was first recorded as the pollen parent of this hybrid, which would make it a form of M. × *Amesiana*, but it was afterwards said to agree better with M. *coccinea*.

30. M. × *Measuresiana* (*amabilis* × *tovarensis* ♀), *G.C.* 1890, ii. 379; *O.R.* 1893, 293; *Reichenb.* ser. 2, ii. 63, t. 76, f. 3; *Dict. Ic. O. Masd. hyb.* t. 3.—Sander, 1890.

31. M. × *Pluto* (*coccinea* × *Gairiana* ♀), *O.R.* 1899, 240.—Hincks, 1899.

32. M. × *Rebecca* (*amabilis* × *ignea* ♀), *G.C.* 1893, i. 740; *O.R.* 1893, 245.—Ames, 1893.

33. M. × *Rushtoni* (*ignea* ♀ × *racemosa*), *O.R.* 1893, 210.—Hincks, 1893.

34. **M. × Sanderi** (Veitchiana ♀ × Wageneriana).—Sander, 1898.  
 M. × (unnamed), *O.R.* 1898, 296; 1900, 251, 255.—Sander.  
 M. × Veitchiano-Wageneri, *G.C.* 1903, i. 239; *O.R.* 1903, 151.—Lawrence.
35. **M. × Sedenii** (caudata × Estradæ ♀).—Veitch, 1889.  
 M. × caudato-Estradæ, *G.C.* 1889, i. 714; *O.R.* 1893, 261.—Veitch.  
 M. × Estradæ-Shuttleworthii, *Sand. O. Guide*, 279.
- 36. **M. × Shuttryana** (caudata ♀ × coccinea), *G.C.* 1892, i. 764; 1896, i. 210, 262, 263, f. 36 (Chamberlain's var.); *O.R.* 1893, 356; 1896, 83 (v. Chamberlainii); *G.M.* 1895, 341, f. —Lawrence, 1892.  
 M. × Chamberlainiana (coccinea ♀), *O.R.* 1896, 133.—Chamberlain.
37. **M. × splendida** (Barlæana × Veitchiana ♀), *G.C.* 1878, i. 493; *V. Man. O.* v. 73.—Veitch, 1888.



Fig. 39. MILTONIA × BLEUANA VAR. STEVENSII.

- M. × Parlatoresana, *G.C.* 1879, i. 172; 1889, i. 680; *O.R.* 1893, 261.—Veitch.  
 M. × splendida and M. × Parlatoresana were both described by Reichenbach as natural hybrids, but they are forms of one, since raised by Messrs. Veitch.
38. **M. × Stella** (coccinea × Estradæ ♀), *G.C.* 1890, ii. 325; *O.R.* 1893, 293.—Hincks, 1890.
39. **M. × Whitæi** (Estradæ ♀ × ignea).—Lawrence, 1902.  
 M. × igneo-Estradæ, *O.R.* 1902, 171; 1904, 117.
40. **M. × Winniæ** (Davisii × tovarensis ♀).—Winn, 1894.  
 M. × Jessie Winn, *O.R.* 1894, 365.



## 24. MILTONIA.

1. **M. × Bleuana** (Roezlii × vexillaria ♀), *ŷ. S. H. Fr.* 1889, 29, 30; *Orchidoph.* 1889, 45; *G.C.* 1889, i. 203; *Lind.* iv. t. 176; *Reichenb.* ser. 2, i. 67, t. 32; *O.A.* ix. t. 412 (v. splendens); *V. Man. O.* viii. 118, 119, f.; *O.R.* 1893, 260; 1894, 355, **Frontispiece**; 1905, 313, f. 67 (v. Stevensii); *G.M.* 1894, 637, f. (v. rosea); *Dict. Ic. O. Milt. hyb.* t. 1, 1 A. (v. nobilior).—Bleu, 1889. **See Fig. 39.**

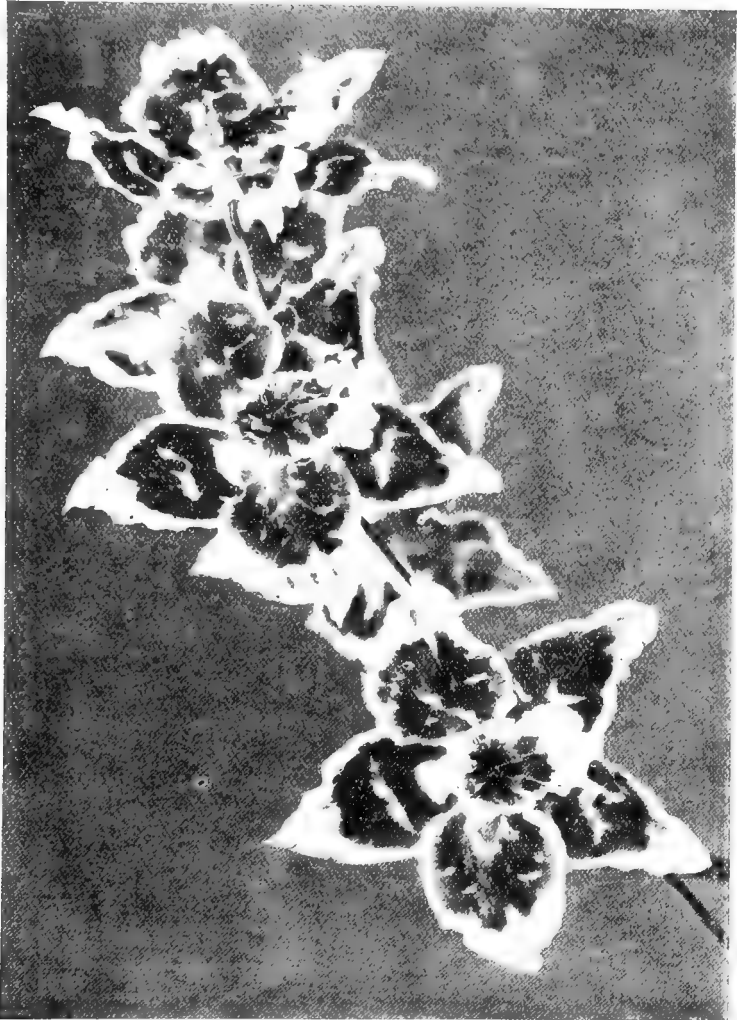


Fig. 40. ODONTOGLOSSUM × ARMINVILLERENSE VAR. ARDENTISSIMUM.

*Odontoglossum* × *Bleuanum*, *ŷ. S. H. Fr.* 1889, 29, 30, 36.

*Miltoniopsis* × *Bleui*, *Orchidoph.* 1889, 145, t. (v. aurea and splendens).

*Miltoniopsis* × (unnamed), *ŷ. S. H. Fr.* 1890, 196.

## 25. ODONTOGLOSSUM.

1. **O. × amœnum** (nobile × sceptrum), *O.R.* 1903, 183; 1905, 82.—(De Smet Duvivier) Hye, 1903.

*O.* × (unnamed), *G.C.* 1903, i. 267.—De Smet Duvivier.

2. *O.* × **armainvillierense** (*crispum* × *nobile* ♀), *ŷ.S.H. Fr.* 1898, 1240; *O.R.* 1902, 209, f. 22 (v. *ardentissimum*), 210 (type), 240; 1903, 188; 1904, 14, f. 6 (v. *ardentissimum*); 1906, 240, 241, f. 28 (v. *Apollo*), f. 29 (v. *eximium*) *Dict. Ic. O.* Od. *hyb.* t. 12 (v. *ardentissimum*).—Baron E. Rothschild, 1898. [See Fig. 40.

\* *O.* × *ardentissimum*, *O.R.* 1902, 175; *G.C.* 1902, ii. 50, f. 19; *G.M.* 1903, 374, f. (v. *exquisitum*); 1906, 366, 368, f. (v. *Venus*); *G. Alb.* 1906, 27, f. (v. *Theodora*).—Vuylsteke.

*O. crispum* v. *ardentissimum*, *G.C.* 1902, i. May 31, Suppl. 2; *Gard.* 1902, ii. 44, f; *G.M.* 1902, 349, f; *ŷ.H.* 1902, i. 507, f.



Fig. 41. ODONTOGLOSSUM × BELLATULUM.

*O.* × *concinnum*, *O.R.* 1902, 175.—Vuylsteke.

*O. crispum* v. *concinnum*, *G.C.* 1902, i. May 31, Suppl. 2.

*O.* × *dulce*, *O.R.* 1902, 175.—Vuylsteke.

*O. crispum* v. *dulce*, *G.C.* 1902, i. May 31, Suppl. 2.

*O.* × *venificum*, *O.R.* 1902, 175.—Vuylsteke.

*O. crispum* v. *venificum*, *G.C.* 1902, i. May 31, Suppl. 2.

*O.* × *Rochfordianum*, *Sand. O. Guide*, 341.

The original *O.* × *armainvillierense* appears to have been lost sight of, and its parentage has been doubted, but the details were fully recorded when the plant originally appeared, and received a First-class Certificate from the Société Nationale de Horticulture de France. All the others were out of a single capsule.

**3. O. × beardwoodiense** (elegans × nobile ♀), *G.C.* 1903, i. 206; *O.R.* 1903, 118, 121.—Rutherford, 1903.

**4. O. × bellatulum** (crispum × tripudians), *O.R.* 1902, 99; 1903, 183; 1904, 80, f. 19.—Vuylsteke, 1902. [See Fig. 41.]

Originally described as a hybrid between *O. Pescatorei* and *O. sceptrum*, but a year later from *O. crispum* and *O. tripudians*, which latter agrees best with the characters of the hybrid.

**5. O. × Bradshawiae** (× *Andersonianum* × *Harryanum*), *G.C.* 1903, i. 78, 82, f. 35; *ŷ.H.* 1903, i. 113, f.; *G.M.* 1903, 86, 87, f.; *O.R.* 1903, 52, 58; *Gard.* 1903, i. 184, f.—Bradshaw, 1903.

\* **6. O. × Charlesworthii** (*Harryanum* × *triumphans*).—Charlesworth, 1902,

*O. × Harryano-triumphans*, *G.C.* 1902, i. 442; 1903, i. 108, 223; *O.R.* 1902, 214; 1903, 82, 154.—Charlesworth.

*O. × Queen Alexandra*, *O.R.* 1902, 173, 195; 1903, 179, 182; *G.M.* 1902, 473, f.—Rutherford.

*O. × Harryano-excellens*, *G.M.* 1902, 328.—Rutherford.

The two latter were at first recorded as hybrids of *O. × excellens*, which is now believed to be erroneous.

**7. O. × Cooksoni** (*crispum* × *Hallii* ♀), *O.R.* 1899, 240, 253; 1900, 314, 318.—Cookson, 1896.

*O. × crispo-Hallii*, *G.C.* 1896, ii. 66; 1899, i. 349; *O.R.* 1897, 10, 28.—Cookson.

*O. × Hallio-crispum*, *G.M.* 1896, 808; 1897, 138, f.; *O.R.* 1900, 253; 1902, 339; 1903, 235.—Cookson.

*O. × Dickensianum*, *ŷ. S. H. Fr.* 1902, 253.—Dallemagne.

**8. O. × Crawshayanum** (*Hallii* ♀ × *Harryanum*), *G.C.* 1901, ii. 60, 77, f. 27; *O.R.* 1903, 218.—Crawshay, 1901.

*O. × Braeckmani v. Crawshayanum*, *O.R.* 1901, 232.

*O. × Braeckmanii*, at first supposed to have the above parentage, proves to be a form of *O. × spectabile* (see *O.R.* 1903, 218).

**9. O. × Denisonæ** (*crispum* ♀ × *luteopurpureum*), *O.R.* 1897, 10 (in note); 1903, 188; *ŷ. R. H. S.* xxiv. 190, f. 94. —Baron E. Rothschild, 1890.

\* *O. × Wilckeanum*, *Reichenb.* ser. 2, i. 47, 77, t. 37 (v. *Leroyanum*); *ŷ. S. H. Fr.* 1900, 390; 1902, 797; *O.R.* 1903, 182; *Gard.* 1903, i. 397, f. (v. *venerandum*).—Baron E. Rothschild.

*O. × Leroyanum*, *G.C.* 1890, i. 704; *Orchidoph.* 1891, 112, t.; *O.R.* 1893, 204, 205.—Baron E. Rothschild.

*O. × Jacobeanum*, *ŷ. S. H. Fr.* 1893, 452.—Baron E. Rothschild.

*O. × luteopurpureo-crispum*, *O.R.* 1893, 201.—Baron E. Rothschild.

*O. × hystrix-crispum*, *ŷ. S. H. Fr.* 1900, 180; 1901, 371.—Baron E. Rothschild.

*O. × Denisonæ* originally appeared in the collection of Lord Londesborough, in 1872 (*Fl. Mag.* 1872, t. 26), and was thought to be a natural hybrid between *O.*

crispum and *O. luteopurpureum*. *O.* × *Wilckeanum* was described by Reichenbach, in 1880, as a natural hybrid with the same parentage (*G.C.* 1880, i. 298), which had appeared in the collection of M. Massange de Louvrex, of Baillonville, near Marche, Belgium. It is now known to be common, remarkably variable, and to have numerous other synonyms (see *O.R.* 1893, 201-206).

**10. *O.* × *elegans*** (*cirrhosum* ♀ × *Hallii*), *ŷ. R. H. S.* xxiv. 193, f. 97; *Dict. Ic. O. Od. hyb.* t. 5.—Linden, 1897.

*O.* × *cirrhoso-Hallii*, *O.R.* 1895, 326.—Linden.

*O.* × *cirrho-Hallii*, *Sem. H.* 1897, 109; *Lind.* xii. t. 569.—Linden.

*O.* × *Marriottianum*, *Rchb. f.* (*G.C.* 1881, i. 168), may possibly be an earlier name for this hybrid, but it is known only from description. There is an earlier *O.* × *elegans*, *Rchb. f.* (*G.C.* 1879, i. 462), which, however, is supposed to be a form of *O.* × *hinnus*, *Rchb. f.*, and a natural hybrid between *O. cirrhosum* and *O. cristatum*. The present hybrid appeared in the collection of H. M. Pollett, Esq., Fernside, Bickley, in 1883, and was described by Reichenbach as *O.* × *elegans*, Mr. Pollett's var. (*G.C.* 1883, i. 720, 721, f. 118; *O.A.* iii. t. 111). Its history is detailed in *O.R.* 1895, 326-327.

**11. *O.* × *excellens*** (*nobile* (*Pescatorei*) ♀ × *triumphans*), *G.C.* 1891, i. 754; 1893, i. 396; *Reichenb. ser.* 2, i. 41, t. 19; *ŷ. S. H. Fr.* 1893, 478; *ŷ. R. H. S.* xxiv. 190; *O.R.* 1894, 200; 1897, 111; 1903, 42 —Veitch, 1891.

*O.* × *Tresederianum*, *O.R.* 1893, 158. —Heath.

*O.* × *nobili-triumphans*, *O.R.* 1894, 200, 201. Veitch.

Originally described by Reichenbach as probably a natural hybrid between *O. Pescatorei* and *O. tripudians*, but the second parent afterwards amended to *O. triumphans*, from which parents the hybrid was afterwards raised artificially by Messrs. Veitch.

**12. *O.* × *harvengtense*** (*crispum* × *triumphans*), *O.R.* 1904, 198; *Dict. Ic. O. Od. hyb.* t. 4.—Vuylsteke, 1898.

*O.* × *loochristiense* (*crispum* ♀), *O.R.* 1898, 41, 107; 1899, 355; 1900, 95; 1903, 250; 1904, 61.—Vuylsteke.

*O.* × *nobilis*, *Sand. O. Guide*, 341.

*O.* × *harvengtense* was originally described in 1894 as a [natural] hybrid between *O. crispum* and *O. sceptrum* (*L. Lind. in ŷ. d. O. v. p.* 7), and also figured (*Lind. x. t.* 478), but the hybrid afterwards raised by M. Ch. Vuylsteke from *O. crispum* and *O. triumphans*, and called *O.* × *loochristiense*, which ultimately appeared also as a wild plant, has since proved identical.

**13. *O.* × *Hyeanium*** (*Harryanum* ♀ × *luteopurpureum*),—Hye, 1900.

*O.* × *Souvenir de Victor Hye Lebrun*, *G.C.* 1900, i. May 26, Suppl. 1; *O.R.* 1900, 174.

**14. *O.* × *Juno*** (*cirrhosum* × *sceptrum*), *G.C.* 1903, ii. 214; *O.R.* 1903, 308.—Thompson, 1903.

**15. *O.* × *mirificum*** (*crispum* × *sceptrum*), *O.R.* 1903, 183; 1904, 81, f. 20 (*merificum*); 1905, 52.—Vuylsteke, 1902.

[See Fig. 42.]

*O.* × (unnamed), *O.R.* 1902, 170 (the second hybrid mentioned).

- **16. O. × mirum** (*crispum* ♀ × *Denisonæ*), Crawshay, 1900.  
O. × (unnamed), *G.C.* 1903, ii. 253; *O.R.* 1903, 326.

Mr. Crawshay's first hybrid *Odontoglossum*, and remarkable for its close resemblance to *O. crispum*, though this peculiarity is not likely to extend to all hybrids derived from the same parentage.

- \* **17. O. × Rolfeæ** (*Harryanum* × *nobile* ♀), *O.R.* 1898, 270; 1899, 4, 163; 1900, 216; 1902, 57, f. 6; 1904, 253; *G.C.* 1900, i. 410, 415, f. 136 (*Walton Grange* v.); ii. 451, f. 146 (v. *meleagris*); *G.M.* 1900, 818, f. (id.); *Ź.H.* 1900, i. 475, f. 127 (v. *optimum*), 547, f. 147 (*Walton Grange* v.); ii. 527, f. 134 (v. *meleagris*); *Gard.* 1900, ii. 55, f. (*Walton Grange* v.); *Dict. Ic. O. Od. hyb.* t. 7.—Vuylsteke, 1898. [See Fig. 43.

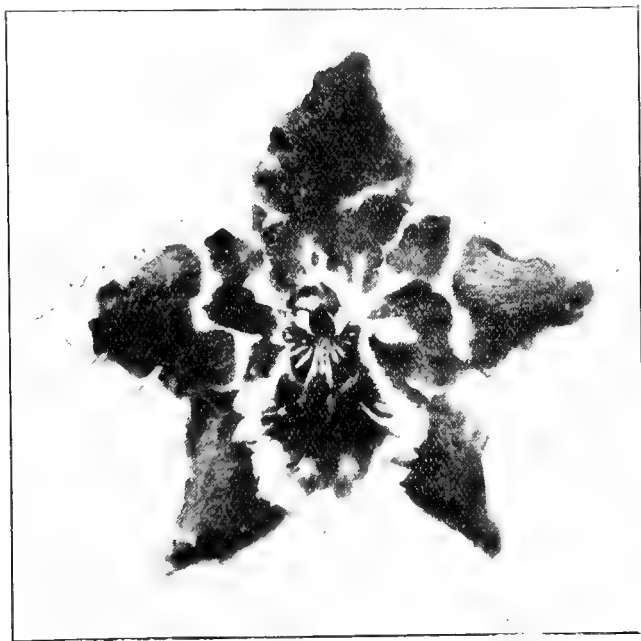


Fig. 42. ODONTOGLOSSUM × MIRIFICUM.

A variable and very beautiful hybrid.

- 18. O. × spectabile** (*crispum* ♀ × *Harryanum*), *Źard.* 1899, 151; *O.R.* 1899, 135; 1900, 28, 47; *G.M.* 1903, 683, f.—Vuylsteke, 1898.

O. × *crispo-Harryanum*, *G.C.* 1898, i. 334; 1903, ii. 282; *O.R.* 1898, 170, 191; *Ź.H.* 1902, ii. 421, f. (v. *delicatum*); *Dict. Ic. O. Od. hyb.* t. 8 (v. *amœnum*), t. 8 A. (v. *spectabile*).—Vuylsteke.

O. × *vivicans*, *Źard.* 1899, 151.—Vuylsteke.

O. × *Harryano-crispum* (*Harryanum* ♀), *O.R.* 1898, 259 (unnamed); 1899, 250; *G.C.* 1899, ii. 17, 66, 67, f. 29.—Sander.

O. × *Braeckmani*, *Lind.* xvi. t. 744; *O.R.* 1901, 232; 1903, 218.—Metdepenningen.

Not to be confounded with *O.* × *spectabile*, L. Lind. (*Lind.* xi. t. 523), which is believed to be a form of *O.* × *excellens*.

\* 19. *O.* × **Vuylstekei** (× *Denisonæ* × *triumphans*), *O.R.* 1902, 99, 170; 1903, 183; 1904, 54. —Vuylsteke, 1902.

First recorded as a doubtful hybrid between *O.* *triumphans* and *O.* *tripudians*, but afterwards *O.* × *Denisonæ* was suggested as the second parent, though the matter requires confirmation.

20. *O.* × **waltonense** (*crispum* ♀ × *Kegeljani*), *G.C.* 1903, i. 46, 51, f. 25; *ŷ.H.* 1903, i. 71, f.; *G.M.* 1903, 73, f.; *Gard.* 1903, i. 78, f.; *O.R.* 1903, 49, f. 14; 1904, 15, f. 7; 1905, 163, f. 27 (v. *rosefieldiense*).—Thompson, 1902.

[See Fig. 44.]



Fig. 43. ODONTOGLOSSUM × ROLFEI.

21. *O.* × **Wattianum** (*Harryanum* × *Lindleyanum*), *O.R.* 1900, 299, 314, 323; 1904, 235; *G.C.* 1900, ii. 214, 286, f. 83 (v. *Crawshayanum*).—Crawshay, 1900.

Originally described in 1890 as possibly a natural hybrid between *O.* *Lindleyanum* and *O.* *luteo-purpureum* (Rolfe in *G.C.* 1890, i. 354), and afterwards, in deference to the opinion of the collector, as possibly a distinct species (*Reichenb.* ser. 2, i. 19, t. 9), though intermediate in habit between *O.* *Lindleyanum* and *Harryanum*. Its real origin, then suspected, has since been proved by Mr. Crawshay.

## 26. PAPHIOPEDILUM.

1. **P.** × **Aasenii** (Fairrieanum × Swanianum ♀).—Ames, 1900.  
Cypripedium × Aasenii, *Amer. G.* 1900, 795; *Rev. H.* 1903, 257; *O.R.* 1903, 41.
2. **P.** × **Abas** (Stonei ♀ × villosum).—Veitch, 1900.  
C. × Abas, *G.C.* 1900, i. 143; *O.R.* 1900, 92.
3. **P.** × **Abessa** (barbatum × Euryale).—Ames, 1900.  
C. × Abessa, *Amer. G.* 1900, 489, 507, f. 101; *G.C.* 1900, ii. 102.
4. **P.** × **Adamsii** (× Calypso × regale).—Roebeling, 1903.  
C. × John Quincy Adams, *Amer. G.* 1903, 107.
5. **P.** × **Adela** (Boxallii ♀ × superbiens).—Duval, 1899.  
C. × Boxalli-superbiens, *J. S. H. Fr.* 1900, 84.—Duval.



Fig. 44. ODONTOGLOSSUM × WALTONENSE.

6. **P.** × **Adonis** (Curtisii × hirsutissimum ♀).—*Kerch. Liv. d. O.* 475.—Ingram, 1893.  
C. × Adonis, *G.C.* 1893, ii. 342; *O.R.* 1893, 318; 1896, 11.  
C. × refulgens, *G.C.* 1895, i. 338; *O.R.* 1895, 127.—Ingram.
7. **P.** × **Adrien** (Rothschildianum × Swanianum ♀).—Sander, 1899.  
C. × Comte Adrien de Germiny, *G.C.* 1899, ii. 58; *O.R.* 1899, 254.
8. **P.** × **Æneas** (Haynaldianum ♀ × Hookeræ).—Sander, 1900.  
C. × Haynaldo-Hookeræ, *G.C.* 1900, ii. 57.  
C. × Haynaldiano-Hookeræ, *O.R.* 1900, 252.

9. **P.** × **Æson** (Druryi × insigne ♀), *Kerch. Liv. d. O.* 475.—Veitch, 1893.  
 C. × **Æson**, *G.C.* 1893, i. 80; 1897, ii. 438; *O.R.* 1893, 61; 1898, 31.
10. **P.** × **Ajax** (Chamberlainianum × Germinyanum ♀).—Pitt, 1901.  
 C. × **Ajax**, *G.C.* 1901, i. 310; *O.R.* 1903, 81.
11. **P.** × **albanense** (insigne × Mastersianum ♀).—Sander, 1903.  
 C. × **Masters-insigne**, *G.C.* 1903, ii. 377; *O.R.* 1903, 365.
12. **P.** × **Alcides** (hirsutissimum × insigne ♀), *Stein O.* 452.—  
 Sander, 1891.  
 C. × **Alcides**, *G.C.* 1891, i. 40; *O.R.* 1893, 326.  
 C. × **Etienne Jolibois**, *Jard.* 1895, 53.—Jolibois.  
 C. × n. 174, *J. S. H. Fr.* 1891, 45.—Jolibois.  
 C. × **Pheres**, *G.C.* 1892, ii. 744; *O.R.* 1893, 32.—Veitch.  
 C. × **Roberti**, *G.C.* 1894, ii. 605; *O.R.* 1894, 374.—Gillett.
13. **P.** × **Alcippe** (callosum × Chamberlainianum).—Cappe, 1898.  
 C. × (unnamed), *J. S. H. Fr.* 1898, 709.
14. **P.** × **Alexandræ** (Godefroyæ × nitens).—Sander, 1903.  
 C. × **Empress Alexandra**, *G.C.* 1903, i. 46; *O.R.* 1903, 51.  
 C. × **Mrs. Pitt**, *G.C.* 1903, i. 239; *O.R.* 1903, 152; *J.H.* 1903, i. 377, f.—Pitt.
15. **P.** × **Alfred** (philippinense × venustum ♀), *Kerch. Liv. d. O.* 475.—  
 Drewett, 1890.  
 C. × **Alfred**, *G.C.* 1890, ii. 294; *J.H.* 1891, ii. 153, f. 23; *O.R.* 1893, 294.  
 C. × **Arthur**, *G.C.* 1890, ii. 252.—Drewett.  
 C. × **triangularis**, *R. H. Meas. Cyp.* ed. 3, 165.—Sander.  
 C. × **Euterpe**, *Sand. O. Guide*, 335.  
 C. × **latiflorum**, *Sand. O. Guide*, 336.
16. **P.** × **Alfredianum** (× Bleui ♀ × superciliare).—Bleu, 1900.  
 C. × **Chantino-ciliolare-barbato-Veitchianum**, *J. S. H. Fr.* 1900, 457.
17. **P.** × **Alice** (Spicerianum × Stonei ♀), *Stein O.* 453.—Drewett, 1890.  
 C. × **Alice**, *G.C.* 1890, ii. 294; 1899, i. 351, f. 125 (abnormal); *J.H.* 1892, i. 469; 481, f. 82; *O.R.* 1893, 294.  
 C. × **Hebe** (Spicerianum ♀), *Gard. & For.* 1893, 105; *O.R.* 1893, 119.—  
 Graves.  
 C. × **Masonii**, *G.C.* 1895, i. 800; *O.R.* 1895, 253.—Low.  
 C. × **Stonei-Spicerianum**, *Rev. H. Belge*, 1896, 49, t. (v. gandavense).
18. **P.** × **Allanianum** (Curtisii × Spicerianum ♀), *Kerch. Liv. d. O.* 475.  
 —Pitcher & Manda, 1894.  
 C. × **Allanianum**, *O.R.* 1894, 22; *G.C.* 1895, ii. 527; *G.M.* 1896, 33, f. (v. superbum).  
 C. × **Uihleinianum**, *G.C.* 1895, i. 201; *Desb. Cyp.* ed. 2, 456.—Sander.
19. **P.** × **allertonense** (bellatulum × villosum ♀).—Tate, 1897.  
 C. × **allertonense**, *G.C.* 1897, ii. 352; *O.R.* 1897, 375.  
 C. × **auriferum**, *Sand. O. Guide*, 334.  
 C. × **Duncan**, *Sand. O. Guide*, 335.  
 C. × **Lansbergeæ**, *Sand. O. Guide*, 336.



- 20. P. × alnum** (barbatum × Lawrenceanum), *Stein. O.* 453.—Cookson, 1887.  
 C. × alnum, *G.C.* 1887, i. 512; *V. Man. O.* iv. 76; *O.R.* 1893, 196.  
 C. × hephæstus, *G.C.* 1888, i. 425; *O.R.* 1893, 227.—R. H. Measures.  
 C. × Cooksonianum, *V. Man. O.* iv. 76 (in syn.); *Hans. O. Hyb.* 133.—Cookson.  
 C. × Cooksoni, *R. H. Meas. Cyp.* ed. 3, 43.—Cookson.
- 21. P. × amabile** (Hookeræ × Sementa ♀), *Kerch. Liv. d. O.* 475.—Bleu, 1890.  
 C. × amabile, *ŷ. S. H. Fr.* 1890, 637; *Rev. H.* 1891, 496, t.; *O.R.* 1893, 328.
- 22. P. × Ameliæ** (bellatulum × Mabeliæ).—Gratrix, 1902.  
 C. × Mary Amelia, *G.C.* 1902, ii. 314; *O.R.* 1902, 343.
- 23. P. × Amesiæ** (Fairrieatum × tonsum ♀), *O.R.* 1900, 10.—Mrs. F. L. Ames, 1895.  
 C. × Mrs. F. L. Ames, *Amer. G.* March 23, 1895, ex *Hans. O. Hyb.* 164.  
 C. × Amesiæ, *O.R.* 1896, 15; 1899, 330; *Desb. Cyp.* ed. 2. 47.
- 24. P. × Amesii** (ciliolare × Rothschildianum).—Sander, 1897.  
 C. × Oakes Ames, *O.R.* 1897, 153.  
 C. × ciliolare-Rothschildianum, *Sand. O. Guide*, 335.  
 C. × Imperator, *G.C.* 1903, ii. 411.—Cowan.
- 25. P. × amethystinum** (Hookeræ × superciliare ♀), *Kerch. Liv. d. O.* 475.—Bleu, 1904.  
 C. × amethystinum, *ŷ. d. O.* v. 8; *ŷ. S. H. Fr.* 1894, 68; 1895, 239; *Desb. Cyp.* ed. 2, 49.
- 26. P. × Andromeda** (Sanderianum ♀ × superbians).—Cookson, 1893.  
 C. × Sandero-superbians, *G.C.* 1893, ii. 278; *ŷ.H.* 1893, ii. 215, f. 31 (Sander-superbians); *O.R.* 1893, 307 (Sanderiano-superbians), 317.
- 27. P. × Angeliæ** (callosum ♀ × Leeanum).—Mantin, 1893.  
 C. × Angelæ, *ŷ. S. H. Fr.* 1893, 812, 813; *Hans. O. Hyb.* 286.—Mantin.  
 C. × Angelianum, *ŷ. S. H. Fr.* 1893, 819.—Mantin.  
 C. × Heloisæ, *ŷ. S. H. Fr.* 1893, 812.—Mantin.  
 C. × Gautieri, *ŷ. S. H. Fr.* 1898, 1104.—Gautier.
- 28. P. × Annærtii** (× Ashburtonæ × insigne).—Moens, 1892.  
 C. × Annærti, *Rev. H. Belge*, 1892, 263; *Desb. Cyp.* ed. 2. 50.  
 C. × placidum, *R. H. Meas. Cyp.* ed. 3, 133.—Bull.
- 29. P. × Annie** (bellatulum ♀ × Dayanum).—Sander, 1894.  
 C. × Annie Measures, *G.C.* 1894, i. 539, 657, f. 81; *ŷ.H.* 1894, i. 337, f. 55. *G.M.* 1894, 278, f.; *O.R.* 1894, 159; *Dict. Ic. O. Cyp. hyb.* t. 16.  
 C. × Coronis, *ŷ.H.* 1902, ii. 526.—Statter.
- 30. P. × Aphrodite** (Lawrenceanum × niveum ♀), *Stein O.* 453.—Veitch, 1889.  
 C. × Aphrodite, *V. Man. O.* iv. 76; *O.R.* 1893, 262; *G.M.* 1894, 76. f.—Veitch.  
 C. × Antigone (Lawrenceanum ♀), *G.C.* 1890, ii. 716; *O.R.* 1893, 295; *ŷ.H.* 1891, ii. 262, 263, f. 49.—Veitch.

*C.* × *Telemachus*, *G.C.* 1892, i. 816; *O.R.* 1893, 359.—Veitch.

*C.* × *Madame Harry Veitch*, *Lind.* iv. 98.—Veitch.

*C.* × *Mrs. Harry Veitch*, *Bohnh. Dict. O. Hyb.* 27; *Desb. Cyp.* ed. 2, 352.—Veitch.

*C.* × *Prince of Wales*, *G.C.* 1902, i. 235; *O.R.* 1902, 119.—*Gratrix*.

**31. P.** × **apiculatum** (*barbatum* ♀ × *Boxallii*), *Stein O.* 453; *J.R.H.S.* xxiv. 101, f. 18.—Drewett, 1886.

*C.* × *apiculatum*, *G.C.* 1886, i. 617; *V. Man. O.* iv. 77; *O.R.* 1893, 131; *Day O. Draw.* li. t. 95.

*C.* × n. 239, *J.S. H. Fr.* 1891, 67.—Jolibois.

*C.* × *Harrisianum* v *lineatum*, *G.C.* 1895, i. 550.—Pitcher & Manda.



Fig. 45. PAPHIOPEDILUM × ARTHURIANUM.

*C.* × *Boxalli-barbatum*, *Rev. H. Belge*, 1902, 70.—Pynaert.

**32. P.** × **Apollo** (*Stonei* × *vexillarium* ♀), *O.R.* 1900, 39.—R. I. Measures, 1890.

*C.* × *Apollo*, *G.C.* 1890, i. 526; *O.R.* 1893, 295.

**33. P.** × **Appletonæ** (*ciliolare* × *Harrisianum* ♀), *O.R.* 1898, 112.—Appleton, 1898.

*C.* × *Appletonæ*, *R. H. Meas. Cyp.* ed. 3, 9.

**34. P.** × **Arete** (*concolor* ♀ × *Spicerianum*), *Kerch. Liv. d. O.* 476.—Veitch, 1892.

*C.* × *Arete*, *G.C.* 1892, ii. 744; *O.R.* 1893, 32.

35. **P. × Argo-Morganiaë** (Argus ♀ × Morganiaë).—Lawrence, 1898.

C. × Argo-Morganiaë, *G.C.* 1898, ii. 391; *O.R.* 1898, 374; *G.M.* 1898, 766, f.; *ŷ.R.H.S.* xxii. Proc. 220, 221, f. 141.

36. **P. × Argutus** (Argus × Arthurianum), *O.R.* 1903, 56.—R. I. Measures, 1898.

C. × Argo-Arthurianum, *Gard.* 1898, i. 334; *Chron. O.* 150; *O.R.* 1902, 91.—R. I. Measures.

37. **P. × Ariel** (bellatulum × Haynaldianum ♀).—W. C. Clarke, 1899.

C. × Haynaldo-bellatulum, *G.C.* 1899, i. 50.

• 38. **P. × Arnoldiaë** (bellatulum ♀ × superciliare).—Sander, 1894.



Fig. 46. PAPHIOPEDILUM × ARTHURIANUM VAR. PULCHELLUM.

C. × Arnoldiaë, *G.C.* 1894, ii. 378; *Gar. & For.* 1894, 425, f. 67; *O.R.* 1894, 349.

C. × (unnamed), *ŷ. S. H. Fr.* 1895, 671, 799; 1896, 793.—Bleu.

• C. × Madame A. Bleu, *O.R.*, 1903, 54; *Dict. Ic. O. Cyp. hyb.* t. 70.—Peeters.

39. **P. × Arnoldianum** (concolor × superbiens), *Kerch. Liv. d. O.* 476.—Pitcher & Manda, 1890.

C. × Arnoldianum, *G.C.* 1890, ii. 632, 633, f. 123; *O.R.* 1893, 294.

• 40. **P. × Artemis** (Dayanum × Swanianum).—Veitch, 1895.

C. × Artemis, *G.C.* 1895, i. 199; *O.R.* 1895, 253.

C. × (unnamed), *ŷ. S. H. Fr.* 1896, 699.—Opoix.

C. × Dayano-Swanianum, *ŷ. S. H. Fr.* 1900, 84.—Opoix.

41. **P.** × **Arthurianum** (Fairrieianum × insigne ♀), *Stein. O.* 454; *O.R.* 1897, 17, f. 5; 1900, 7, 8, f. 2.—Veitch, 1874. [See Fig. 45, 46.]

C. × Arthurianum, *G.C.* 1874, ii. 676; 1893, ii. 470; *V. Man. O.* iv. 77, 78, f. 1; *O.A.* ix. t. 389; *Lind.* iii. t. 121 (v. pallidum); *Orchidoph.* 1887, 209, t. ; *ŷ.H.* 1892, ii. 499, f. 66 (v. pulchellum); *O.R.* 1893, 38, 305, f. 16; 1894, 44; 1905, 40, f. 8 (v. pulchellum); *Dict. Ic. O. Cyp. hyb.* t. 12; *Nich. Dict.* 1900 suppl. 285, f. 298; *Day. O. Draw.* xxx. t. 37.

42. **P.** × **Ashburtonæ** (barbatum ♀ × insigne), *Stein. O.* 454; *ŷ. R. H. S.* xxiv. 101, f. 20 (v. Laforcadei).—Ashburton, 1871.

C. × Ashburtonæ, *G.C.* 1871, 1647, f. 348; 1884, ii. 552 (v. expansum); *Gtfl.* 1879, t. 976; *O.A.* ix. t. 400 (v. superbum); *Ill. H.* 1888, 71, t. 61; *V. Man. O.* iv. 78, 79 (v. majus); *O.R.* 1893, 37; *Dict. Ic. O. Cyp. hyb.* t. 14 (v. Bartetii); *Reichenb. ser. 2, i.* 79, t. 38, f. 1 (v. Laforcadei); *Rev. H. Belge*, 1904, 97, t. 8, f. 2 (v. expansum); *Day O. Draw.* xxix. t. 75.

C. × Laforcadei (insigne ♀), *ŷ. S. H. Fr.* 1884, 649; *Orchidoph.* 1886, 121, t. ; *O.R.* 1893, 102.—Bauer.

C. × Barteti, *ŷ.S.H.Fr.* 1885, 640; *Orchidoph.* 1886, 121, t. ; *G.C.* 1886, i. 532.—Bauer.

C. × obscurum, *G.C.* 1887, i. 8.—Veitch.

C. × Edgard Jolibois, *ŷ. S. H. Fr.* 1889, 725, 735, 787.—Jolibois.

C. × Laucheanum, *G.C.* 1890, ii. 570.—Sander.

C. × Chantino-barbatum, *ŷ. S. H. Fr.* 1899, 1129.—Opoix.

C. × Gardnerianum, *Sand. O. Guide*, 335.

43. **P.** × **Ashtoni** (ciliolare ♀ × selligerum).—Lewis, 1895.

C. × Ashtoni, *G.C.* 1895, ii. 721; *O.R.* 1896, 32.

44. **P.** × **Ashworthiæ** (× Leeianum ♀ × venustum).—E. Ashworth, 1895.

C. × Beatrice Ashworth, *R.H. Meas. Cyp.* ed. 2, 16; *G.C.* 1895, i. 200.

45. **P.** × **Ashworthii** (× Measuresianum ♀ × Spicerianum), *Kerch. Liv. d. O.* 476.—Sander, 1892.

C. × E. Ashworth, *G.C.* 1892, ii. 622.—Sander.

C. × Ashworthii, *O.R.* 1893, 359.—Sander.

C. × Vesta, *G.C.* 1895, i. 201; *O.R.* 1896, 38.—Sander.

46. **P.** × **Asmodia** (bellatulum × Bleui).—Bleu, 1898.

C. × Chantino-ciliolare × bellatulum, *Sem. Hort.* 1898, 316.

C. × (unnamed), *ŷ. S. H. Fr.* 1898, 707.

47. **P.** × **Aspasia** (× selligerum ♀ × tonsum).—Sander, 1895.

C. × Aspasia, *O.R.* 1895, 15; *Desb. Cyp.* ed. 2, 65.

48. **P.** × **aspasioides** (Argus × selligerum).—Rothwell, 1900.

C. × Aspasia, *Amer. G.* 1900, 200.

C. × aspasioides, *Amer. G.* 1902, 137.

49. **P.** × **Astræa** (philippinense × Spicerianum ♀), *Stein. O.* 454.—Veitch, 1892.

- C. × *Astræa*, *G.C.* 1892, ii. 191; *O.R.* 1894, 349.
50. **P.** × **Atropos** (× *Ashburtonæ* ♀ × *purpuratum*).—Young, 1895.  
C. × *Atropos*, *O.R.* 1895, 292; 1896, 309; *G.C.* 1896, ii. 251.
51. **P.** × **Atys** (*Hookeræ* ♀ × *venustum*), *Kerch. Liv. d. O.* 476.—Harris, 1888.  
C. × *Atys*, *G.C.* 1888, ii. 6; *O.R.* 1893, 259; 1896, 53.  
C. × *Cassiope* (*venustum* ♀), *G.C.* 1889, i. 200; *O.R.* 1893, 263.—Seeger & Tropp.
- C. × *rubrum*, *G.C.* 1893, ii. 747; *Gard.* 1894, i. 206; *O.R.* 1896, 53.—Burton.
- C. × *Burtoni*, *Gard.* 1894, i. 181, 206; *O.A.* xi. sub. t. 481; *O.R.* 1894, 144.—Burton.
52. **P.** × **augustum** (*Lawrenceanum* × *superciliare*).—Bleu, 1895.  
C. × *augustum*, *ŷ. S. H. Fr.* 1895, 163; 1903, 71; *ŷard.* 1903, 64.
53. **P.** × **aurelianense** (*callosum* × *Sementa*).—Mantin, 1896.  
C. × *aurelianense*, *ŷ. S. H. Fr.* 1897, 602; 1898, 289; *Chron. O.* 53.
54. **P.** × **aureum** (× *nitens* × *Spicerianum* ?), *ŷ. R. H. S.* xxiv. 111-113 (and 21 vars.); *O.R.* 1901, 16.—Hye, 1894.  
• C. × *aureum*, *Rev. H. Belge*, 1894, 70; *O.R.* 1894, 92; *Dict. Ic. O. Cyp. hyb.* t. 24 (type); 24 A. (v. *virginale*); 24 B. (v. *Hebe*); 24 C. (v. *Ædipe*); 24 D. (v. *Cyrus*); 24 E. (v. *Marie Closon*); *ŷ.H.* 1904, i. 179, f.  
C. × *Mme. Margaret Hye*, *G.C.* 1894, ii. 670; *O.R.* 1895, 29.—Hye.  
C. × *Augusta*, C. × *delicatum*, C. × *Hebe*, C. × *Nicias*, *G.C.* 1894, ii. 728; *O.R.* 1895, 27.—Hye.  
• C. × *Surprise*, *Ill. H.* 1895, 62; *Rev. H. Belge*, 1895, 83.  
C. × *Pomone*, *Ill. H.* 1895, 63; *Rev. H. Belge*, 1895, 83.—Hye.  
• C. × *Eteocle*, C. × *Vertumne*, *Ill. H.* 1895, 63; *Rev. H. Belge*, 1895, 83.—Hye.  
C. × *Mellona*, *Ill. H.* 1895, 63; *Rev. H. Belge*, 1895, 84.—Hye.  
C. × *Hermione*, C. × *Hermode*, C. × *Ixion*, C. × *Ædipe*, C. × *Olympia*, C. × *Polynice*, C. × *Zephyre*, *Rev. H. Belge*, 1895, 84.—Hye.  
C. × *Bellona*, C. × *Ixion*, C. × *Zephyra*, *G.C.* 1895, i. 207.—Hye.  
C. × *Jeanne Voortman*, *Rev. H. Belge*, 1896, 69; *ŷ. d. O.* vii. 40.—Hye.  
C. × *amœnum*, *Desb. Cyp.* ed. 2, 47.—Hye.  
C. × *Cyrus*, *Desb. l.c.* 150.—Hye.  
C. × *Hero*, *Desb. l.c.* 227. — Hye.  
C. × *Osiris*, *Desb. l.c.* 380.—Hye.  
C. × *tigrinum*. *Desb. l.c.* 452.—Hye.  
C. × *roseum*, *ŷ. S. H. Fr.* 1898, 43.—Peeters.  
C. × *Terpsichore*, *ŷ. S. H. Fr.* 1898, 44.—Peeters.  
C. × *Madame Mary Hye*, *R. H. Meas. Cyp.* ed. 3, 114.—Hye.  
C. × *Hector*, *R. H. Meas. l.c.* 189.—Hye.  
• C. × *virginale*, *Dict. Ic. O. Cyb. hyb.* sub. t. 24 A.  
• C. × *Hyeanium*, *G.C.* 1899, i. 288; *O.R.* 1899, 155.—Charlesworth.

- C. × lacteum, *ŷ. S. H. Fr.* 1900, 113.—Duval.  
 C. × Sallieri-Spicerianum, *ŷ. S. H. Fr.* 1900, 118.—Duval.  
 C. × Spicero-nitens, *O.R.* 1901, 24.—Wrigley.  
 C. × belgicum, *O.R.* 1902, 28.—Tunstill.  
 C. × Rialto, *G.C.* 1903, i. 267; *Gard.* 1903, i. 287.—Janssens & Putzeys.  
 C. × Carmen, *Gard.* 1903, i. 287.—Janssens & Putzeys.  
**55. P. × aureum** (Lawrenceanum ♀ × venustum), *Stein. O.* 454.—Cookson, 1887.  
 C. × aureum, *G.C.* 1887, i. 179; *V. Man. O.* iv. 79; *O.R.* 1893, 196.  
 C. × Lawre-venustum, *Hans. O. Hyb.* 136.—Cappe.  
 \* **56. P. × Aylingii** (ciliolare × niveum ♀), *Stein O.* 455.—Hollington, 1890.  
 C. × Aylingii, *ŷ.H.* 1890, i. 480, 481, f. 74; *G.C.* 1890, i. 792, 797, f. 131; *O.R.* 1893, 185, 294; *Lind.* xi. t. 497 (Stand. Hall v.).  
 C. × Winifred Hollington, *G.C.* 1894, i. 475, 495, f. 60; *O.R.* 1894, 157; *ŷ.H.* 1894, i. 295, f. 48; *G.M.* 1894, 218, 220, f.—Hollington.  
 C. × niveo-ciliolare, *Gard.* 1894, i. 492; *G.C.* 1895, i. 200; *O.R.* 1898, 363.—R. H. Measures.  
 C. × Hollingtoniæ, *O.R.* 1899, 330.—Hollington.  
 The record of *C. callosum* as one parent of *C. × Winifred Hollington* is clearly erroneous.  
**57. P. × Bagshaweæ** (callosum × œnanthum ♀).—Le Doux, 1899.  
 P. × Olga Bagshawe, *O.R.* 1899, 73.  
**58. P. × Bala** (Boxallii × Lathamianum).—Duval, 1899.  
 C. × Lathamiano-Boxallii, *ŷ. S. H. Fr.* 1899, 1131.  
**59. P. × Balfouriæ** (× Chapmanii × Cycnides).—Gratrix, 1902.  
 C. × Miss Balfour, *G.C.* 1902, ii. 314; *O.R.* 1902, 343.  
**60. P. × Ballantinei** (Fairrieianum × purpuratum ♀), *Kerch. Liv. d. O.* 476; *O.R.* 1900, 8; 1905, 18, f. 5 (Westfield v.).—Veitch, 1890. [See Fig.  
 C. × H. Ballantine, *G.C.* 1890, ii. 408; *O.R.* 1893, 295.  
**61. P. × barbato-præstans** (barbatum × præstans).—Beranek, 1903.  
 C. × barbato-præstans, *ŷ. S. H. Fr.* 1903, 604.  
**62. P. × Barbeyæ** (Lawrenceanum × tonsum ♀); *O.R.* 1901, 93.—Jolibois, 1891.  
 C. × n. 260, *ŷ. S. H. Fr.* 1891, 67.—Jolibois.  
 C. × Madame Barbey, *Orchidoph.* 1892, 337, t. f. 3; *O.R.* 1893, 154.—Jolibois.  
 C. × tonso-Lawrenceanum, *ŷ. S. H. Fr.* 1900, 391—Opoix.  
**63. P. × Bartelsii** (Boxallii ♀ × callosum), *O.R.* 1902, 94.—Sander, 1894.  
 C. × J. Bartels, *G.C.* 1894, ii. 670; 1903, i. 130; *O.R.* 1895, 30.—Sander.  
 C. × (unnamed) (callosum ♀), *ŷ. S. H. Fr.* 1897, 745.—Gibez.  
**64. P. × Batalinii** (Argus × purpuratum ♀).—Sander, 1894.  
 C. × Batalinii, *G.C.* 1894, ii. 378; *O.R.* 1894, 349.  
**65. P. × Beatrice** (Boxallii ♀ × Lowii), *Kerch. Liv. d. O.* 476.—Drewett, 1889.  
 C. × Beatrice, *G.C.* 1889, ii. 266; *O.R.* 1893, 263.

*C.* × *lucidum* v. *Beatrice*, *Hans. O. Hyb.* 159.—Drewett.

66. **P.** × **Behrensianum** (*Boxallii* ♀ × *Io*), *Kerch. Liv. d. O.* 476.—Sander, 1894.

*C.* × *Behrensianum*, *O.R.* 1894, 111; *ŷ. S. H. Fr.* 1896, 929.

*C.* × *Roebliianum*, *Bohnh. Dict. O. Hyb.* 31.

*C.* × *Ionodes*, *R. H. Meas. Cyp.* ed. 2, 60.—Sander.

*C.* × *Ionides*, *G.C.* 1895, i. 500.—Sander.

67. **P.** × **bellinum** (× *Harrisianum* × *vernixium* ♀), *Kerch. Liv. d. O.* 476.—Sander, 1894.



Fig. 47. PAPHIOPEDILUM × BALLANTINEI, WESTFIELD VAR.

*C.* × *bellinum*, *O.R.* 1894, 42.

*C.* × *Wendlandianum*, *R. H. Meas. Cyp.* ed. 2, 111; *Bohnh. Dict. O. Hyb.* 35; *O.R.* 1896, 39.—Sander.

Not to be confounded with *P.* × *Wendlandianum*, *Kerch.* (× *œnanthum* × *venustum*).

68. **P.** × **Belus** (× *Harrisianum* ♀ × *Mastersianum*), *O.R.* 1900, 100.—Young, 1898.

*C.* × *Belus*, *G.C.* 1898, i. 302; *O.R.* 1898, 185; *Dict. Ic. O. Cyp. hyb.* t. 31.

69. **P.** × **Beranekii** (*bellatulum* ♀ × *Youngianum*).—Beranek, 1902.

C. × Jeanette, *G.C.* 1902, i. 380; *ŷ. S. H. Fr.* 1902, 463.

The specific name is changed because of an earlier hybrid with the same name.

**70. P × Berenice** (Lowii × philippinense ♀), *Kerch. Liv. d. O.* 476.—Vipan, 1891.

C. × Berenice, *G.C.* 1891, i. 136; *O.R.* 1893, 328.

**71. P × Berkeleyanum** (bellatulum × Boxallii).—Lawrence, 1902.

C. × Berkeleyanum, *G.C.* 1902, i. 151; *O.R.* 1902, 90.

C. × Berkeleyi, *G.C.* 1902, i. 217; *O.R.* 1902, 118.—Charlesworth.

C. × Beeckmani, *G.C.* 1897, ii. 388; *Sem. H.* 1897, 458; 1898, 165, f. 269; *Lind.* xiii. t. 600; *G.M.* 1898, 145, f.; *ŷ.H.* 1904, i. 272, 273, f.—Linden.

C. × Lansbergæ, *Sem. H.* 1900, 555, 556, f. 179; *Lind.* xvi. t. 727.—Linden.

C. × auriferum, *Lind.* xvii. t. 771; *Rev. H. Belge*, 1905, 97, 99, t. 8, f. 1.

There is a doubt about the parentage of the three preceding synonyms, though we have followed the original records. C. × auriferum is said to have come from the same cross as C. × Beeckmani, but all three are remarkably diverse.

**72. P × Bijou** (Lawrenceanum × oenanthum ♀), *Kerch. Liv. d. O.* 476.—Ingram, 1892.

C. × Bijou, *G.C.* 1892, ii. 138; *O.R.* 1893, 359.

**73. P × bingleyense** (Charlesworthii ♀ × Harrisianum); *O.R.* 1900, 350.—Keeling, 1899.

C. × bingleyense, *G.C.* 1899, ii. 198; *O.R.* 1899, 287, 291.

C. × rubens, *O.R.* 1899, 285, 291 (rubrum by error).—Keeling.

C. × Dryope, *G.C.* 1903, i. 46, 80; *O.R.* 1903, 51.—Veitch.

C. × J. Wilson Potter, *G.C.* 1903, i. 46, 78, 83, f. 36; *G. World*, 1903, i. 113; *O.R.* 1903, 51, 52; *ŷ. H.* 1903, i. 177, f.—Potter.

C. × Chorltoni, *G.C.* 1903, ii. 230.—Gratrix.

C. × Charltoni, *O.R.* 1903, 310.—Gratrix.

**74. P × Bleui** (ciliolare ♀ × insigne), *ŷ. R. H. S.* xxvi. 692.—Bleu, 1891.

C. × Chantino-ciliolare, *ŷ. d. O.* ii. 343; *ŷ. S. H. Fr.* 1893, 452.

C. × Alfred Bleu, *Rev. H.* 1893, 84, t.; *O.R.* 1893, 93.

C. × Alfredi, *Bohnh. Dict. O. Hyb.* 10.

**75. P × Bollerillæ** (× Lathamianum ♀ × Savageanum).—McMeekin, 1897.

C. × Mrs. Geo. Bollerill, *G.C.* 1897, ii. 438; *O.R.* 1898, 31.

**76. P × Boltonianum** (× calophyllum ♀ × Leeanum).—Sander, 1895.

C. × Boltonianum, *O.R.* 1896, 362; *R. H. Meas. Cyp.* ed. 3, 22.

**77. P × Bondii** (hirsutissimum × Swanianum ♀).—Ingram, 1893.

C. × T. W. Bond, *G.C.* 1893, i. 396; 1901, i. 114, 127, f. 51 (Coundon Court v.); *O.R.* 1893, 158; *Dict. Ic. O. Cyp. hyb.* t. 25; *ŷ. H.* 1901, i. 169, f.

**78. P × Bookeri** (ciliolare × Spicerianum).—Marwood, 1893.

C. × Bookeri, *G.C.* 1894, ii. 447; *O.R.* 1894, 352.

**79. P × Boyleanum** (× Crossianum (?) × Harrisianum ♀), *Kerch. Liv. d. O.* 476; *O.R.* 1903, 69.—Sander, 1893.



*C.* × *Boyleanum*, *R. H. Meas. Cyp.* ed. 2, 17; *Hans. O. Hyb.* 1895, 137.—Sander.

*C.* × *Haumonti*, *Lind.* xiv. t. 668; *O.R.* 1899, 352.—Linden.

80. *P.* × *Bræckmanii* (*Charlesworthii* × *Savageanum* (*Moensii*)).—Maes. Bræckman, 1903.

*C.* × (unnamed), *G.C.* 1903. ii. 359.

The second parent is given as *C.* × *Moensii*, which we have taken to represent a form of *P.* × *Savageanum*, but if it is *P. Argus Moensii* this hybrid would be a form of *P.* × *Ian*.

81. *P.* × *Brandtiæ* (× *Io* ♀ × *Youngianum*).—Sander, 1895.

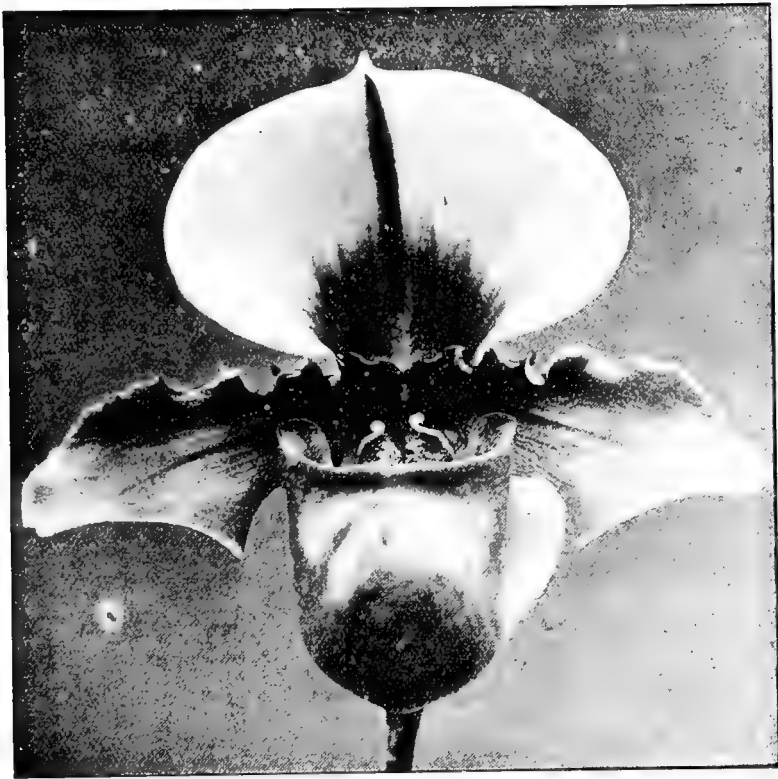


Fig. 48. PAPHIOPEDILUM × BUCHANIANUM.

*C.* × *Frau Ida Brandt*, *G.C.* 1895, i. 748; *O.R.* 1895, 223; *Amer. G.* 1900, 375, f. 78.

82. *P.* × *Brunhild* (× *Lathamianum* × *Victoria-Mariæ*).—Sander, 1902.

*C.* × *Brunhild*, *G.C.* 1902, i. 350, f. 118.

83. *P.* × *Brunianum* (× *Leeanum* ♀ × *œnanthum*).—Sander, 1892.

*C.* × *Brunianum*, *G.C.* 1892, ii. 443.—Sander.

*C.* × *A. J. Herrington*, *G.C.* 1895, ii. 588; *O.R.* 1896, 361.—Sander.

*C.* × *Leeanum-Galatea*, *R. H. Meas. Cyp.* ed. 3, 107.—Sander.

- C. × Madonna, *Sand. O. Guide*, 336.—Charlesworth.
- 84. P. × Bruno** (× *Leeanum* × *Spicerianum* ♀).—Veitch, 1895.  
C. × Bruno, *Gard.* 1895, ii. 347; *O.R.* 1896, 375; *Desh. Cyp.* ed. 2, 94.  
C. × (unnamed), *ŷ. S. H. Fr.* 1901, 1137.—Bultel.  
C. × Tagus, *O.R.* 1903, 365.—Cypher.  
C. × nobile, *G.C.* 1901, i. 408.—Smet-Duvivier.
- **85. P. × bruxellense** (*Rothschildianum* × *venustum*), *ŷ. R. H. S.* xxvi. 692.—Linden, 1901.  
C. × *bruxellense*, *Lind.* xvi. t. 751.
- 86. P. × Bryan** (*philippinense* × *tonsum* ♀).—Drewett, 1901.  
C. × Bryan, *G.C.* 1901, ii. 172; *O.R.* 1901, 285.
- 87. P. × Buchanianum** (*Druryi* ♀ × *Spicerianum*) *Kerch. Liv. d. O.* 476.—Buchan, 1887. [See Fig. 48.  
C × *Buchanianum*, *Garden*, 1889, i. 8; *G.C.* 1890, i. 73 (*Buchanianum*), 142; *O.R.* 1893, 291; 1895, 36, 81, f. 4 (*v. magnificum*).—Buchan.  
C. × *excelsum*, *Desb. Cyp.* ed. 2, 181.—Hye.  
C. × *Excelsior*, *O.R.* 1894, 92.—Hye.
- 88. P. × Buckinghami** (*bellatulum* × *enfieldense* ♀).—Hollington, 1896.  
C. × James Buckingham, *G.C.* 1896, i. 210; *ŷ.H.* 1896, i. 159, f. 23; *O.R.* 1896, 95.—Hollington.  
C. × *Gratrixianum*, *O. A.* xi. t. 524.—Gratrix.
- 89. P. × Bullieri** (*tonsum* × *villosum*).—Opoix, 1894.  
C. × Théodore Bullier, *ŷ. S. H. Fr.* 1894, 134; 1895, 238.—Opoix.  
C. × *tonso-villosum*, *Gard. and For.* 1893, 117.—Pitcher and Manda.
- 90. P. × Bullii** (*Chamberlainianum* × *exul*).—Bull, 1903.  
P. × (unnamed), *O.R.* 1903, 346.
- 91. P. × burbagense** (*insigne* ♀ × *selligerum*), *O.R.* 1902, 220. —Hurst, 1898.
- 92. P. × Burberryanum** (*Boxallii* ♀ × *chloroneurum* (*plunerum*), *Kerch. Liv. d. O.* 476. —Sander, 1893.  
C × *Burberryanum*, *G.C.* 1893, i. 395; *O.R.* 1893, 159 —Sander.  
P. × *Nemesis*, *O.R.* 1902, 100.—Young.
- 93. P. × Burbidgeanum** (*concolor* × *Dayanum* ♀), *Kerch. Liv. d. O.* 476. —R. H. Measures, 1889.  
C. × *Burbidgeanum*, *Lind.* iii. 86; *Orchidoph.* 1889, 11; *Hans. O. Hyb.* 137.  
C. × *Salus*, *G.C.* 1897, ii. 10; *O.R.* 1897, 223.—R. I. Measures.  
C × *Salis*, *Chron. O.* 158.—R. I. Measures.
- 94. P. × burfordiense** (*Argus* × *philippinense*), *Kerch. Liv. d. O.* 476.—Lawrence, 1888.  
C. × *burfordiense*, *G.C.* 1888, ii. 724; *O.R.* 1893, 259; 1896, 340.—Lawrence.  
C. × *Bryani*, *G.C.* 1892, ii. 138; *O.R.* 1893, 359; 1896, 340.—Cookson.  
C. × *pendulum*, *G.C.* 1895, ii. 192; 1899, ii. 99, *O.R.* 1895, 288; 1899, 249.—Heath.

On the second occasion that this plant was exhibited the second parent was recorded as *C. Haynaldianum*, but the point requires confirmation.

- 95. P. × buryense** (× *Swinburnei* × *venustum*).—Wrigley, 1902.  
P. × (unnamed), *O.R.* 1902, 124.
- 96. P. × Cahuzacii** (× *pavoninum* × *villosum*).—Cahuzac, 1899.  
C. × *villosopavoninum*, *ŷ. S. H. Fr.* 1899, 262.
- 97. P. × calanthum** (*barbatum* ♀ × *Lowii*), *Stein. O.* 457.—Veitch, 1878.  
C. × *calanthum*, *G.C.* 1880, ii. 652; *V. Man. O.* iv. 79; *O.R.* 1893, 70.  
C. × *chelseense*, *G.C.* 1888, ii. 406; *O.R.* 1893, 228.—Bull.  
C. × *Sappho*, *R. H. Meas. Cyp.* ed. 2, 98; *G.C.* 1895, i. 200.—Veitch.  
C. × *Sirius*, *R. H. Meas. Cyp.* ed. 3, 155.—Charlesworth.
- 98. P. × caligare** (*Dayanum* × *venustum* ♀), *Stein. O.* 457. —Drewett, 1888.  
C. × *caligare*, *G.C.* 1888, i. 264; *O.R.* 1893, 259; *Orchidoph.* 1888, 130.
- 99. P. × Calliope** (*callosum* × *Lathamianum*).—W. C. Clarke, 1899.  
C. × *Calliope*, *G.C.* 1899, i. 98.  
C. × *Apuleus*, *R. H. Meas. Cyp.* ed. 3, 9.—Charlesworth.
- 100. P. × calloso-Argus** (*Argus* ♀ × *callosum*).—Graves, 1894.  
C. × *calloso-argus*, *O.R.* 1894, 110.
- 101. P. × calloso-barbatum** (*barbatum* × *callosum* ♀). Jolibois, 1890.  
C. *Crossi* × *callosum*, *ŷ. S. H. Fr.* 1890, 201.—Jolibois.  
C. × *calloso-barbatum*, *O.R.* 1898, 371; 1899, 48.—Charlesworth.  
C. × *calloso-Warneri*, *G.C.* 1902, ii. 445; *O.R.* 1903, 22.—Wrigley.
- 102. P. × calloso-niveum** (*callosum* × *niveum* ♀). —Sander, 1895.  
C. × *calloso-niveum*, *O.R.* 1895, 359.—Sander.  
C. × *Mrs. Edgar Cohen*, *G.C.* 1898, ii. 203; *O.R.* 1898, 317.—Sander.  
C. × *niveo-callosum*, *G.C.* 1903, ii. 343; *O.R.* 1903, 367.—Ardern.
- \* **103. P. × calophyllum** (*barbatum* ♀ × *venustum*), *Stein. O.* 458.—  
Veitch, 1881.  
C. × *calophyllum*, *G.C.* 1881, i. 169; *V. Man. O.* iv. 80; *O.R.* 1893, 71.—  
Veitch.  
• C. × *politum*, *G.C.* 1880, ii. 525; 1887, i. 764, 765, f. 143; *O.A.* i. t. 36;  
*V. Man. O.* iv. 96; *O.R.* 1893, 70; 1905, 291; *Dict. Ic. O. Cyp. hyb.* t. 20; *Day.*  
*O. Draw.* xlv. t. 17.—Warner.  
C. × *venusto-Crossii*, *Bohnh. Dict. O. Hyb.* 35; *Desb. Cyp.* ed. 2, 460.—  
Drieger.  
C. × *Thetis*, *R. H. Meas. Cyp.* ed. 2, 102; *Bohnh. Dict. O. Hyb.* 33.—Harris.
- 104. P. × Calypso** (*Boxallii* ♀ × *Spicerianum*), *Stein. O.* 458.—Veitch,  
1890.  
C. × *Calypso*, *G.C.* 1890, i. 207; 1891, i. 86; *ŷ.H.* 1891, ii. 559. f. 101;  
*O.R.* 1893, 327; 1896, 15; *Reichenb.* ser. 2, ii. 69, t. 77 (Oakwood var.); *Dict.*  
*Ic. O. Cyp. hyb.* t. 26 (type), 26 A. (Oakwood var.), 26 B. (v. Flamingo).  
C. × *Denisianum*, *G.C.* 1893, i. 486; *Hans. O. Hyb.* 156.—Vervaet.  
C. × *Vanderwielianum*, *G.C.* 1893, i. 286.—Vervaet.  
C. × *Leo*, *G.C.* 1894, i. 84; *O.R.* 1894, 62.—W. R. Lee.  
C. × *Flamingo*, *Rev. H. Belge*, 1895, 84; *Ill. H.* 1895, 63; *Desb. Cyp.* ed. 2,

C. × Eurydice, *G.C.* 1895, i. 199; *O.R.* 1896, 12.—“Continental.”

C. × Flora, *R. H. Meas. Cyp.* ed. 2, 39; ed. 3, 60.—R. I. Measures.

C. × Boutemyæ, *G.C.* 1897, i. 227.—Linden.

C. × hybridum, *Bohnh. O. Hyb.* 21; *O.R.* 1896, 14.

**105. P. × calypsoides** (× Calypso × Rothschildianum).—Drewett, 1903.

C. × calypsoides, *G.C.* 1903, ii. 214; *O.R.* 1903, 308.—Drewett.

C. × Lamonteanum, *G.C.* 1903, ii. 278; *O.R.* 1903, 339.—Sander.

**106. P. × Canhami** (superbiens ♀ × villosum), *Stein O.* 458.—(Douglas) Veitch, 1887.

C. × Charles Canham, *G.C.* 1887, ii. 490; *V. Man. O.* iv. 81; *O.R.* 1893, 133; *Dict. Ic. O. Cyp. hyb.* t. 9.

C. × Mrs. Canham (villosum ♀), *G.C.* 1887, ii. 746; *V. Man. O.* iv. 93, f.; *O.R.* 1893, 134.

C. × Canhami, *Wien Ill. G. Zeit.* 1888, 32; 1899, 413, t. 4.

C. × Canhamiæ, *G.C.* 1894, ii. 667, f. 86 (abnormal).

C. × inversum, *Bohnh. O. Hyb.* 21.

C. × (unnamed), *ŷ. S. H. Fr.* 1897, 844.—Ferrier.

**107. P. × Carderi** (hirsutissimum × selligerum).—Sander, 1898.

C. × John Carder, *O.R.* 1898, 372.

**108. P. × Cardosoæ** (Charlesworthii × macropterum).—Cardoso.

C. × Madame Elise Cardoso, *ŷ. S. H. Fr.* 1896, 741.

**109. P. × Cardosoanum** (barbatum ♀ × Leeenum), *O.R.* 1901, 14; 1903, 54, 119.—Peeters, 1900.

C. × Cardosoanum, *Dict. Ic. O. Cyp. hyb.* t. 46.

**110. P. × Carnusianum** (Haynaldianum × Spicerianum), *Stein O.* 460.—Carnus, 1890.

C. × (unnamed), *G.C.* 1890, ii. 754.

C. × Carnusianum, *G.C.* 1891, i. 87; 1895, ii. 102; *O.R.* 1893, 328; *G.M.* 1896, 250, f.—(Carnus) Parr.

C. × hybridum, *ŷ.H.* 1891, i. 50.—(Carnus) Parr.

C. × Cahuzac, *Bohnh. Dict. O. Hyb.* 13; *O.R.* 1896, 320.—Sander.

C. × Peruzzianum, *Bull. Soc. Tosc. Ort.* 1903, 5.—Recenti.

**111. P. × Carrierei** (superbiens ♀ × venustum), *Stein O.* 460.—Bauer, 1887.

C. × Carrierei, *Monit. H.* 1887, 54; *O.R.* 1893, 374; *Bull. Soc. Tosc. Ort.* 1887, 152, t. 7; *V. Man. O.* iv. 80.

**112. P. × Cassandra** (× Goweri × Sanderianum).—Parker, 1903.

C. × Cassandra, *G.C.* 1903, ii. 65; *O.R.* 1903, 244.

**113. P. × Castalia** (Druryi × Godseffianum).—Dallemagne, 1902.

C. × Castalia, *ŷ. S. H. Fr.* 1902, 139.—Dallemagne.

C. × A. Dimmock, *G.C.* 1902, i. 151, 157, f. 48; *O.R.* 1902, 92.—Sander.

**114. P. × Castlemanum** (hirsutissimum ♀ × superbiens).—*Stein O.* 460.—Sander, 1890.

C. × Castleanum, *G.C.* 1890, ii. 702; 1891, i. 39; *ŷ.H.* 1890, ii. 513; 1891, i. 101, f. 19; *Reichenb. ser.* 2, i. t. 45; *O.R.* 1893, 28, 326.—Sander.

C. × Captain Holford (superbiens ♀), *G.C.* 1899, ii. 198; *O.R.* 1899, 287; *G.M.* 1899, 561, f.—Veitch.

C. × Thoorisianum, *Bohnh. Dict. O. Hyb.* 34; *Desb. Cyp.* ed. 2, 452.—Moens.

C. × Bellone, *Chron. O.* 56; *R. H. Meas. Cyp.* ed. 3, 21 (“Bellune”).—Vuylsteke.

**115. P. × Celia** (Spicerianum × tonsum), *Kerch. Liv. d. O.* 477.—Kimball, 1890.

C. × Celia, *G.C.* 1891, i. 104; *O.R.* 1893, 327.—Kimball.

C. × Cecilia, *O.R.* 1893, 350.—Sander.

C. × Madame Jules Hye, *G.C.* 1894, i. 198; 1895, i. 103, f. 14; *O.R.* 1894, 92, 144; *Dict. Ic. O. Cyp. hyb.* t. 8.—Hye.

C. × Inspirator, *Rev. H. Belge*, 1894, 25; *O.R.* 1894, 82.—Hye.

C. × Spicero-tonsum, *G.C.* 1895, i. 201; *R. H. Meas. Cyp.* ed. 3, 158.—

Ingram.

C. × Spico-tonsum, *Hans. O. Hyb.* 139.—Pitcher and Manda.

C. × Imperator, *Desb. Cyp.* ed. 2, 237.—Hye.

C. × Jules Hye, *ŷ. S. H. Fr.* 1899, 53.—Peeters.

**116. P. × Chamber-Leeanum** (Chamberlainianum × Leeaanum), *O.R.* 1898, 168; 1899, 68.—Lebaudy, 1898.

C. × Chamber-Leeanum, *O.R.* 1898, 207; *Dict. Ic. O. Cyp. hyb.* t. 66.—Pynaert.

C. × Leeano-Chamberlainianum, *ŷ. S. H. Fr.* 1898, 50.—Lebaudy.

C. × Mariæ, *ŷ. S. H. Fr.* 1899, 152; *ŷard.* 1899, 64 (Maria).—Lebaudy.

C. × Morteni, *G.C.* 1899, ii. 478; *O.R.* 1900, 28.—Appleton.

P. × Maria, *O.R.* 1903, 56.—Hardy.

**117. P. × Chapmanii** (bellatulum × Curtisii ♀), *ŷ. S. H. Fr.* xxvi. 692.—Cookson, 1896.

C. × Chapmanii, *Gard.* 1896, ii. 262; *G.C.* 1896, ii. 667; *G.M.* 1896, 794, f.; *O.R.* 1897, 28, 170; *G.C.* 1897, i. 365, f. 134 (v. magnificum); *ŷ.H.* 1897, ii. 21, f. 4 (id.); *Nich. Dict.* 1900 Suppl. 287, f. 300 (id.); *Dict. Ic. O. Cyp. hyb.* t. 57 (type), 57 A (v. superbum).

**118. P. × Charlesianum** (× Leeaanum × nitens ♀), *O.R.* 1898, 359 1902, 38, 39.—Madoux, 1894.

P. × variable, *O.R.* 1902, 38.—Cappe.

C. × Charlesianum, *G.C.* 1894, i. 430.—Madoux.

C. × nitens-Leeaanum, *G.C.* 1897, i. 115.—Sander.

C. × Mrs. C. Maynard, *O.R.* 1898, 26.—Ball.

C. × Samuel Gratrix, *G.C.* 1899, ii. 426; 1903, i. 46, 78; *Gard. World*, 1903, 73, f. (v. Minnie); *O.R.* 1899, 371; 1903, 50, 63.—Gratrix.

C. × Angelæ, *ŷ. S. H. Fr.* 1899, 375.—Cappe.

C. × Hector, *Woodlands O.* 179.—R. H. Measures.

- C. × *lacteum*, *ŷ. S. H. Fr.* 1900, 113.—Duval.
- C. × *Minnie*, *G.C.* 1901, ii. 462, *O.R.* 1902, 27.—Wellesley.
- C. × *variabile*, *ŷ. S. H. Fr.* 1899, 538; 1900, 181.
- C. × *Loyensi*, *ŷ. S. H. Fr.* 1900, 53.—Peeters.
- C. × *Dr. Picard*, *ŷ. S. H. Fr.* 1900, 349.—Cappe.
- C. × *Sybil*, *Sand. O. Guide*, 337.
- C. × *Leeanum superbum* S. Gratrix, *Gard.* 1903, i. Jan. 17, Suppl. 7.—Gratrix.
- 119. P. × Charpinianum** (× *Morganiae* × *Spicerianum* ♀).—Mantin, 1897.
- C. × *Charpinianum*, *ŷ. S. H. Fr.* 1897, 608; *Scm. Hort.* 300; *Desb. Cyp.* ed. 2, 119.
- C. × *Spiceriano-Morganiae*, *ŷ. S. H. Fr.* 1898, 285.—Mantin.
- 120. P. × chloroneurum** (× *Harrisianum* × *venustum*), *Stein O.* 462.—Warner, 1880.
- C. × *chloroneurum*, *G.C.* 1880, ii. 525; *V. Man. O.* iv. 81; *O.A.* i. t. 37; *O.R.* 1893, 71; 1905, 291; *Dict. Ic. O. Cyp. hyb.* t. 30; *Day O. Draw.* xxxii. t. 69.—Warner.
- C. × *melanophthalmum*, *G.C.* 1880, ii. 525; *O.A.* iii. t. 109; *V. Man. O.* iv. 92; *O.R.* 1893, 70; 1905, 292; *Day O. Draw.* xl. t. 57.—Warner.
- C. × *discolor*, *G.C.* 1882, i. 218; *O.R.* 1905, 292; 1906, 350.—Warner.
- C. × *Williamsianum*, *G.C.* 1882, i. 218; *V. Man. O.* iv. 100; *O.A.* viii. t. 365; *O.R.* 1893, 100; 1905, 292; *Dict. Ic. O. Cyp. hyb.* t. 29; *Day O. Draw.* xliv. t. 29.—Warner.
- C. × *plunerum*, *G.C.* 1887, i. 40; *O.R.* 1893, 196; 1905, 293.—Cookson.
- C. × *doliare*, *G.C.* 1887, i. 447; *O.R.* 1893, 196; 1905, 293.—Cookson.
- C. × *lincolare*, *G.C.* 1887, i. 447; *O.R.* 1893, 196; 1905, 293.—Cookson.
- C. × *Ianthe*, *G.C.* 1892, i. 343; *O.R.* 1893, 358; *Amer. G.* 1899, 737, f. 191 (abnormal).—Veitch.
- C. × *Minerva*, *G.C.* 1889, ii. 464; *O.R.* 1893, 263; 1905, 293.—R. H. Measures.
- C. × *Leda*, *G.C.* 1892, i. 202; *O.R.* 1893, 114; 1905, 293.—Bowring.
- 121. P. × Chouvetii** (× *Germinyanum* × *insigne*).—Cappe, 1899.
- C. × *Souvenir de Emile Chouvet*, *ŷ. S. H. Fr.* 1899, 56.
- 122. P. × Christopher** (× *Leeanum* × *Simonii*).—Thompson, 1902.
- C. × *Christopher*, *G.C.* 1902, i. 67; *O.R.* 1902, 54.
- C. × *Diadem*, *R. H. Meas. Cyp.* ed. 2, 32; *Sand. O. Guide*, 335.
- 123. P. × chrysotoxum** (× *Lathamianum* ♀ × *villosum*).—Duval, 1900.
- C. × *chrysotoxum*, *ŷ. S. H. Fr.* 1900, 60; *Chron. O.* 332.—Duval.
- C. × *villosa-Lathamianum*, *ŷ. S. H. Fr.* 1902, 140.—Lebaudy.
- 124. P. × Clarkiae** (× *Ashburtonae* × *Stonei*).—W. C. Clark, 1898.
- C. × *Mrs. Walter Clark*, *G.C.* 1898, ii. 92; *O.R.* 1898, 255.
- 125. P. × Claudii** (*Spicerianum* × *vernixium* ♀), *Kerch. Liv. d. O.* 477.—Moens, 1892.

- C. × *Claudii*, *ŷ. d. O.* 1892, 382; *Lind.* ix t. 397.
- C. × *Anton Joly*, *G.C.* 1894, i. 198; *O.R.* 1894, 144.—Moens.
- C. × *Odette*, *R. H. Meas. Cyp.* ed. 3, 197; *Desb. Cyp.* ed. 2, 369.—Moens.
- 126. P. × Cleopatra** (*Hookeræ* ♀ × *œnanthum*), *Kerch. Liv. d. O.* 477.—Winn, 1892.
- C. × *Cleopatra*, *G.C.* 1892, i. 458; *O.R.* 1893, 359.
- 127. P × Clinkaberryanum** (*Curtisii* × *philippinense* ♀), *Kerch. Liv. d. O.* 477. Pitcher and Manda, 1893.
- C. × *Clinkaberryanum*, *G.C.* 1893, ii. 86, f. 18; 756; *O.R.* 1893, 246; *Amer. G.* 1900, 536, 537, f. 112.
- C. × *warnhamense*, *O.R.* 1894, 31; *G.C.* 1895, ii. 248.—Lucas.
- 128. P. × Clotilde** (*Haynaldianum* × *Leeanum* ♀).—Moens, 1893.
- C. × *Clotilde Moens*, *O.R.* 1893, 284; *G.M.* 1894, 34, f.
- 129. P × Clusia** (× *Crossianum* ♀ × *Leeanum*).—Lebaudy, 1897.
- C. × (unnamed), *ŷ. S. H. Fr.* 1897, 844.
- C. × *Crossi-Leeanum*, *ŷ. S. H. Fr.* 1898, 286.
- 130. P. × Clytie** (× *Godseffianum* ♀ × *hirsutissimum*).—Holford, 1900.
- C. × (unnamed), *G.C.* 1900, i. 30; *O.R.* 1900, 58.
- 131. P. × Cobbizæ** (× *Canhami* × *Colossus* (J. Howes).—Cobb, 1900.
- C. × *Cobbizæ*, *G.C.* 1900, ii. 384; *O.R.* 1900, 372.
- 132. P. × Coffigniezii** (*Lawrenceanum* × *vernixium* ♀).—Jolibois, 1892.
- C. × *Julien Coffigniez*, *ŷ. S. H. Fr.* 1894, 314; 1895, 238.—Opoix.
- C. × *Mme. Élysée Descombes*, *ŷard.* 1895, 53; *G.C.* 1895, i. 370.
- There is a doubt about the correctness of the last-named.
- 133. P. × Coffinetii** (*Dayanum* × *superciliare* ♀).—Jolibois, 1889.
- C. × (unnamed), *ŷ. S. H. Fr.* 1889, 25, 725; 1890, 390; 1900, 391.
- C. × *Monsieur Coffinet*, *ŷ. S. H. Fr.* 1894, 314.—Opoix.
- 134. P. × Colesii** (*Dayanum* × *Godefroyæ* (v. *leucochilum*, ♀).—R. H. Measures, 1898.
- P. × *J. Coles*, *O.R.* 1898, 335.
- 135. P. × Colmanii** (× *Harrisianum* × *javanicum* ♀).—*Kerch. Liv. d. O.* 477.—Sander, 1893.
- C. × *Colmanni*, *R. H. Meas. Cyp.* ed. 2, 28; *Bohnh. Dict. O. Hyb.* 15; *G.C.* 1895, i. 200.
- 136. P. × colombense** (*Curtisii* × *nitens* ♀).—Bert, 1898.
- C. × *colombense*, *ŷ. S. H. Fr.* 1898, 1235.
- 137. P. × Colossus** (× *nitens* × *villosum*).—Cobb, 1894.
- C. × *J. Howes*, *G.C.* 1894, ii. 731; *O.R.* 1895, 31.
- C. × *Colossus*, *G.C.* 1902, i. 250, 314; *O.R.* 1902, 147.—Charlesworth
- C. × *Mahlerianum*, *R. H. Meas. Cyp.*, ed. 3, 195.—R. H. Measures.
- C. × *Amy Robsart*, *G.C.* 1903, ii. 377; *O.K.* 1903, 365.—Whateley.
- 138. P. × Comet** (*Stonei* × *superciliare*).—Sander, 1899.
- C. × *Comet*, *G.C.* 1899, i. 108; *R. H. Meas. Cyp.* ed. 3, 183.
- 139. P. × Comus** (*insigne* × *Swanianum*).—Graves, 1895.

C. × Comus, *Amer. G.* March 23, 1895; *Haus. O. Hyb.* 141; *G.C.* 1895, i. 550.

**140. P. × concinnum** (purpuratum × Harrisianum), *Stein O.* 463.—Bowring, 1887.

C. × concinnum, *Bull. Cat.* 1887, 10; *V. Man. O.* iv. 81; *Amer. G.* March, 23, 1895; *G.C.* 1895, i. 550.

In some of the records *P. villosum* is given as the second parent, but we have followed the original record, which seems to agree best with a dried flower and drawing preserved at Kew.

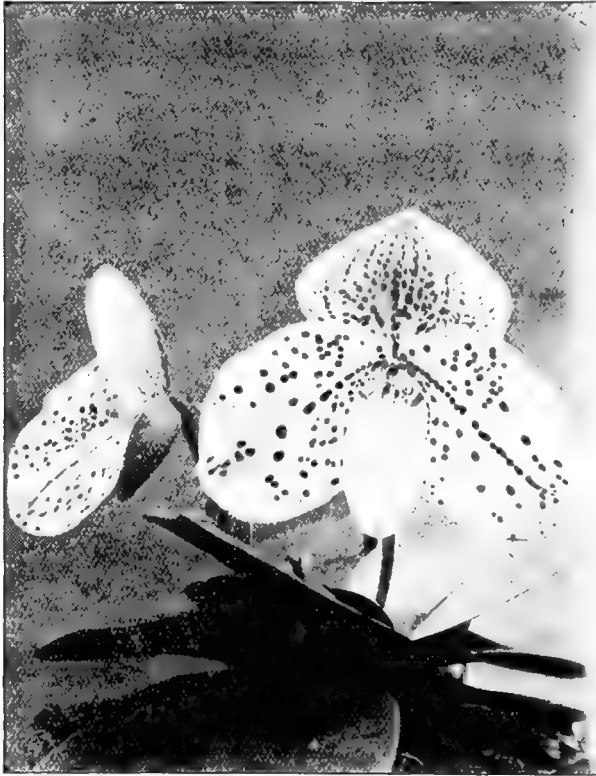


Fig. 49. PAPHIOPEDILUM × CONCO-BELLATULUM VAR. WALKERIANUM.

**141. P. × conco-bellatulum** (bellatulum × concolor).—Heath, 1891.

[See Fig. 49.]

C. concolor × bellatulum, *G.C.* 1895, i. 627; 1896, i. 741; *O.R.* 1895, 187, 1896, 221, 222. — Strickland.

C. × conco-bellatulum, *G.C.* 1897, i. 354, 359; *O.R.* 1897, 169, 189.—Statter.

C. × Walkerianum, *G.M.* 1898, 386; *O.R.* 1898, 233.—Druce.

P. × Walkerianum, *O.R.* 1903, 360, f. 53.—Druce.

**142. P. × conco-callosum** (callosum × concolor ♀).—R. H. Measures, 1895.



C. × *conco-callosum*, *O.R.* 1895, 14; 1900, 28.

C. × *McNabianum* (*callosum* ♀), *G.C.* 1896, ii. 471; *O.R.* 1896, 349; *Desb. Cyp.* ed. 2, 322.—Sander.

**143. P** × **concolawre** (*concolor* ♀ × *Lawrenceanum*).—Lawrence, 1893.

C. × *conco-Lawre*, *G.C.* 1893, i. 206; 1896, i. 337; *O.R.* 1893, 15, 94; 1896, 122; *J.H.* 1893, i. 193, f. 41; *O. Alb.* xi. t. 506; *O.R.* 1894, 337, f. 33; *Lind.* ix. t. 408.

C. × “*concolor inversum*” (*Lawrenceanum* ♀), *J. S. H. Fr.* 1894, 582.—Mantin.

C. × *Lawre-conco*, *O.R.* 1893, 286.—Sander.

C. × *Lawre-concolor*, *R. H. Meas. Cyp.* ed. 2, 69.—Sander.

C. × *Lawrenceo-Regnieri*, *Lind.* xi. t. 504.—Bleu.

C. × (unnamed), *J. S. H. Fr.* 1895, 178, 799.—Mantin.

**144. P** × **conco-villosum** (*concolor* × *villosum*), *J. R. H. S.* xxiv. 100.—Sander, 1898.

C. × *conco-villosum*, *G.C.* 1897, i. 210, 390; *O.R.* 1897, 127; 1899, 155, 185; *Dict. Ic. O. Cyp. hyb.* t. 40.

**145. P** × **conspicuum** (*Harrisianum* × *villosum*) *Kerch. Liv. d. O.* 477.—Swan, 1888.

C. × *conspicuum*, *G.C.* 1888, i. 521; *O.R.* 1893, 227; *R. H. Meas. Cyp.* ed. 2, 23.

C. × *claptonense*, *G.C.* 1889, i. 168; *O.R.* 1893, 262.—Low.

C. × *Wallaertii*, *G.C.* 1892, ii. 249.—Pitcher and Manda.

C. × *Wallaertianum*, *R. H. Meas. Cyp.* ed. 2, 109, 110; *G.C.* 1895, ii. 655.—Peeters.

C. × *ornatum*, *G.C.* 1892, i. 428; *Desb. Cyp.* ed. 2, 377.—Hye.

C. × *Masonianum*, *R. H. Meas. Cyp.* ed. 2, 75.—Sander.

C. × *villoso-Harrisianum*, *O.R.* 1894, 28; *Desb. Cyp.* ed. 2, 467.—Pourbaix.

C. × *Gautieri*, *J. S. H. Fr.* 1896, 24.—(Moreau) Cardoso.

C. × *Harrisianum* v. *Wallaertianum*, *Desb. Cyp.* ed. 2, 219.

C. × *W. A. Allen*, *R. H. Meas. Cyp.* ed. 3, 174.—McArthur.

C. × *Harrisi-villosum*, *J. S. H. Fr.* 1899, 133; *G.C.* 1902, ii. 344; *O.R.* 1902, 362.—Lebaudy.

C. × (unnamed), *J. S. H. Fr.* 1900, 113.—Mantin.

C. × *Alfred Thierrard*, *J. S. H. Fr.* 1901, 1062.—Cappe.

C. × *Rex*, *G.C.* 1903, i. 126; *O.R.* 1903, 87.—Gratrix.

**146. P** × **Constableanum** (*Dayanum* × *Fairrieianum*), *Kerch. Liv. d. O.* 477; *O.R.* 1900, 10; 1905, 38.—Pitcher and Manda, 1893.

C. × *Constableanum*, *Gard.* 1893, i. 75; *O.R.* 1893, 118.

**147. P** × **Constance** (*Curtisii* × *Stonei* ♀), *Stein. O.* 464.—Drewett, 1890.

C. × *Constance*, *G.C.* 1890, ii. 294; *O.R.* 1893, 294; *J.H.* 1890, ii. 353, f. 40; 1903, ii. 259, f.; *J. S. H. Fr.* 1897, 944.

C. × *James H. Veitch* (*Curtisii* ♀), *G.C.* 1894, ii. 258, 287, f. 40; *O.R.* 1894, 309; *J.H.* 1894, ii. 227, f. 33.—Veitch.

- 148. P. × Conwayi** (callosum × exul).—Wellesley, 1902.  
C. × Dr. Conway, *G.C.* 1902, i. 85; *O.R.* 1902, 53.
- 149. P. × Cooksonæ** (Curtisii ♀ × Sanderianum).—Cookson, 1900.  
C. × Sanderiano-Curtisii, *G.C.* 1900, i. 62, 75, f. 23; *O.R.* 1900, 59; *Gard.* 1900, i. 74, f.
- 150. P. × corbeillense** (Bullenianum × insigne), *Kerch. Liv. d. O.* 477.—Darblay, 1892.  
C. × corbeillense, *ŷ. S. H. Fr.* 1892, 611; *Rev. H.* 1893, 250; *O.R.* 1893, 212.
- 151. P. × Coronis** (× Leea-num × Lynchianum).—Sander, 1902.  
C. × Coronis, *G.C.* 1902, ii. 344; *O.R.* 1902, 364.
- 152. P. × Cowleyanum** (Curtisii ♀ × niveum), *Kerch. Liv. d. O.* 477.—Tautz, 1892.  
C. × Cowleyanum, *G.C.* 1892, i. 72; 1896, i. 656; *ŷ. d. O.* 1892, ii. 357; *O.R.* 1893, 359; 1896, 190.  
C. × F. S. Roberts, *G.C.* 1898, i. 47; *O.R.* 1898, 62, 63, 75; *G.M.* 1898, 249, f. ("F. S. Ames" by error), 256; *ŷ.H.* 1898, i. 77, f. 12.—Low.  
C. × Non Plus Ultra, *O.R.* 1898, 364.
- 153. P. × crassifolium** (Lawrenceanum × Sementa ♀).  
C. × crassifolium, *ŷard.* 1903, 64; *ŷ. S. H. Fr.* 1903, 71.—Ferrier.
- 154. P. × Creon** (Harrisianum ♀ × œnanthum), *Stein O.* 464.—Veitch, 1891.  
C. × Creon, *G.C.* 1891, i. 214; *ŷ. d. O.* ii. 6; *ŷ.H.* 1892, i. 197, 205, f. 31; *O.R.* 1893, 61, 327.  
C. × La Nymphe, *G.C.* 1892, i. 214.—Ingram.  
C. × Mrs. Warren Hook, *O.R.* 1893, 117.—Pitcher and Manda.  
C. × Brennus, *R. H. Meas. Cyp.* ed. 2, 94.—R. H. Measures.  
C. × Brunius, *R. H. Meas. Cyp.* ed. 3, 26.—R. H. Measures.
- 155. P. × Crethus** (Argus × Spicerianum ♀).—*Kerch. Liv. d. O.* 477.—Veitch, 1892.  
C. × Crethus, *G.C.* 1892, ii. 622; *O.R.* 1893, 359.  
C. × Argus-Spicerianum, *G.C.* 1894, ii. 731; *O.R.* 1895, 32.—Low.  
C. × Memoire d'Edouard Pynaert, *Rev. H. Belge*, 1905, 95.—De Smet Duvivier.
- ✦ **156. P. × Crossianum** (insigne ♀ × venustum), *Stein O.* 464.—Ashburton, 1873.  
C. × Crossianum, *G.C.* 1873, 877; 1889, i. 9, 43; *Ill. H.* 1888, 97, t. 72; *V.Man.O.* iv. 82; *O.R.* 1893, 37; *Desb. Cyp.* ed. 2, 144.  
C. × amandum, *G.C.* 1887, i. 174; *O.R.* 1893, 196.—Bowring.  
C. × aurantiacum, *R. H. Meas. Cyp.* ed. 2, 9; *Boyle Woodl. O.* 197.—Sander.  
C. × Francis Heygate, *G.C.* 1902, ii. 313; *O.R.* 1902, 324.—Heygate.
- 157. P. × Curtia** (Curtisii × Dayanum)—Oakes Ames, 1900.  
C. × Dayano-Curtisii, *Amer. G.* 1900, 151.
- 158. P. × Cybele** (Druryi × Lawrenceanum), *Kerch. Liv. d. O.* 477.—Pitcher and Manda, 1892.

C. × *Cybele*, *Gard. & For.* 1892, 562; *G.C.* 1895, i. 199.

C. × *basileum*, *R. H. Meas. Cyp.* ed. 2, 16.—R. H. Measures.

C. × *highfieldense*, *G.C.* 1896, i. 530; *O.R.* 1896, 159; *Gard.* 1896, i. 316 (“*highfieldianum*”).—Burton.

C. × *Drurio-Lawrenceanum*, *O.R.* 1897, 349; *G.C.* 1897, ii. 277.—Veitch.

C. × *Lawrenceo-Druryi*, *G.C.* 1897, ii. 113.—Sander.

— 159. P. × **Cycnides** (*bellatulum* ♀ × *Swanianum*).—Hollington, 1894.

[See Fig 50.]



Fig. 50. PAPHIOPEDILUM × CYCNIDES VAR. WILLIAM LLOYD.

C. × *William Lloyd*, *G.C.* 1894, ii. 731, 757, f. 97; *♀.H.* 1894, ii. 557, f. 91; *O.R.* 1895, 32, 177, f. 7; 304; 1896, 99; *Boyle Woodl. O.* 182, 191, t.; *G.M.* 1894, 794, f.—Hollington.

C. × *Cycnides*, *O.R.* 1895, 304; 1896, 99; *Boyle Woodl. O.* 180 (“*Cyanides*”).—R. H. Measures.

— C. × *General French*, *G.C.* 1900, ii. 18; *O.R.* 1900, 250.—Hollington.

160. P. × **Cymatodes** (*Curtisii* ♀ × *superbiens*), *O.R.* 1900, 184, f. 32.—Tautz, 1893.

[See Fig. 51.]

*C.* × *Cymatodes*, *R. H. Meas. Cyp.* 1893, ed. 2, 29; *G.C.* ii. 684 (unnamed).—*R. H. Measures.*

*C.* × *beecheae*, *G.C.* 1894, i. 762; *O.R.*, 1894, 223.—*W. R. Lee.*

**161. P.** × **Cythera** (*purpuratum* × *Spicerianum* ♀), *Kerch. Liv. d. O.* 478.—*R. H. Measures*, 1890.

*C.* × *Cythera*, *G.C.* 1890, i. 73; *O.R.* 1893, 295.

*C.* × *Maynardii*, *G.C.* 1890, ii. 702; *Reichenb.* ser. 2, i. 93, t. 43, f. 2; *J.H.* 1891, i. 281, f. 51; *O.R.* 1893, 326.—*Sander.*



Fig. 51. PAPHIOPEDILUM × CYMATODES.

*C.* × *Cecilia*, *R. H. Meas. Cyp.* ed. 2, 25.—*Sander.*

*C.* × *Rodigasianum*, *R. H. Meas. Cyp.* ed. 2, 90; *G.C.* 1895, i. 200.—*Capart.*

**162. P.** × **Dacia** (*purpuratum* ♀ × *superbiens*).—*Sander*, 1903.

*C.* × *purpurato-Veitchii*, *Gard.* 1903, ii. 210.—*Sander.*

**163. P.** × **Dædalus** (*insigne* ♀ × *vexillarium*).—*O.R.* 1898, 360; 1900, 104, 1905, 71.—*Young*, 1898.

**164. P.** × **Daisyæ** (*Lowii* ♀ × *œnanthum*), *Kerch. Liv. d. O.* 478.—*Graves*, 1892.

*C.* × *Daisyæ*, *G.C.* 1892, ii. 301; *Gard. & For.* 1892, 460, 463, f. 79; *J. d. O.* iii. 249; *O.R.* 1893, 12, 360.

165. **P.** × **Dakini** (*barbatum* ♀ × *Lathamianum*).—Hurst, 1900.  
C. × *Lilian*, *G.C.* 1898, ii. 375; *Sand. O. Guide*, 336.—Charlesworth.
166. **P.** × **Dallemagnei** (*Druryi* ♀ × *hirsutissimum*).—Dallemagne, 1900.  
P. × *Druryi-hirsutissimum*, *ŷ. S. H. Fr.* 1900, 840.
167. **P.** × **Danervaliæ** (*philippinense* × *selligerum*).—Opoix, 1897.  
C. × *Madame N. Danerval*, *ŷ. S. H. Fr.* 1897, 945.  
C. × *Monsieur Danerval*, *ŷ. S. H. Fr.* 1898, 283.
168. **P.** × **Daphne** (*Charlesworthii* × *exul*), *O.R.* 1903, 59.—Appleton, 1903.  
C. × *Daphne*, *G.C.* 1903, ii. 326; *O.R.* 1903, 367.—Keeling.
169. **P.** × **Deception** (*hirsutissimum* × *venustum*).—Carnus, 1895.  
C. × *Deception*, *Bohnh. Dict. O. Hyb.* 16.



Fig. 52. PAPHIOPEDILUM × DEEDMANIANUM.

170. **P.** × **Decia** (*Charlesworthii* ♀ × *superciliare*).—Bull, 1902.  
C. × *Decia*, *G.C.* 1902, ii. 106; *O.R.* 1902, 275.
171. **P.** × **decipiens** (*Charlesworthii* × *Lawrenceanum*).—Duval, 1899.  
C. × *decipiens*, *ŷ. S. H. Fr.* 1899, 832.—Duval.  
C. × *Lawrenceano-Charlesworthii*, *G.C.* 1901, ii. 59; 1903, i. 78; *O.R.* 1901, 252.—Lcw.  
C. × *Lawrenworthii*, *O.R.* 1901, 351.—Peeters.
172. **P.** × **decorum** (*Lawrenceanum* × *nitens*), *Kerch. Liv. d. O.* 478.—Hye, 1891.

- C. × decorum, *Rev. H. Belge*, 1892, 6; *O.R.* 1893, 12, 360.  
 C. × Ganesa, *O.R.* 1893, 308; *G.C.* 1893, ii. 342. —R. I. Measures.  
 C. × Johnsonianum, *G.C.* 1892, ii. 744; *O.R.* 1893, 31; *J.H.* 1893, i. 171,  
 f. 30.—Sander.  
 C. × Cobbianum, *G.C.* 1893, ii. 692; *O.R.* 1894, 29. —Cobb.  
 C. × giganteum, *G.C.* 1902, i. 67; *O.R.* 1902, 54. —Statter.  
**173. P. × Deedmanianum** (Chamberlainianum × Spicerianum ♀), *O.R.*  
 1898, 49, f. 2; 70. Latham, 1897. [See Fig. 52.  
 C. × Deedmanianum, *G.C.* 1897, ii. 388; *O.R.* 1898, 29; *Amer. G.* 1900, 874,  
 f. 218.  
 C. × scitulum, *J. S. H. Fr.* 1898, 351; *Cogn. Chron. O.* 158; *O.R.* 1899,  
 132 —Cappe.  
 C. × Spicero Chamberlainianum, *Le Jard.* 1899, 39; *O.R.* 1899, 132.—Cappe.  
 C. × Dr. Ryan, *Boyle Woodl. O.* 219, t.; *O.R.* 1902, 7.—R. H. Measures.  
 C. × Watteau, *J. S. H. Fr.* 1898, 1236; 1902, 140.—Doin.  
 C. × Chamberlaini-Spicerianum, *J. S. H. Fr.* 1900, 112.—Opoix.  
**174. P. × Descombesiæ** (Argus × ænanthum ♀). —Opoix, 1894.  
 C. × Mademoiselle Josée Descombes, *J. S. H. Fr.* 1894, 139; 1895, 238.  
 C. × Madame Josci Descombes, *G.C.* 1895, i. 200.  
**175. P. × Descombesii** (barbatum ♀ × ciliolare).—Opoix, 1894.  
 C. × Mons. Elysée Descombes, *J. S. H. Fr.* 1894, 583.  
 C. × Descombesii, *O.R.* 1899, 330.  
**176. P. × Dido** (Sanderianum × selligerum ♀).—Lawrence, 1895.  
 C. × (unnamed), *G.C.* 1895, ii. 49; *O.R.* 1895, 254.  
 C. × Sanderi-selligerum, *G.C.* 1895, ii. 192; *O.R.* 1895, 286.  
**177. P. × Donatii** (× Ashburtonæ ♀ × Spicerianum).—Sander, 1893.  
 C. × Joseph Donat, *G.C.* 1893, ii. 630; *O.R.* 1893, 374.  
**178. P. × Doncasterianum** (callosum × hirsutissimum ♀), *J.R.H.S.*  
 xxiv. 102. Sander, 1894.  
 C. × Doncasterianum, *G.C.* 1894, ii. 670; *O.R.* 1895, 30.  
 C. × Furzeanum, *R. H. Meas. Cyp.* ed. 3, 187. Sander.  
 \* **179. P. × Dora** (bellatulum ♀ × Charlesworthii).—Charlesworth, 1900.  
 C. × Dora Crawsbaw, *G.C.* 1900, ii. 346, 375, f. 117; *O.R.* 1900, 371, 374;  
*J.H.* 1900, ii. 437, f. 117; *Gard.* 1900, ii. 406, f.  
 C. × Edithæ, *Sand. O. Guide*, 335.  
 C. × Para, *G.C.* 1903, ii. 230; *O.R.* 1903, 310.—Rogerson.  
**180. P. × Doris** (Stonei × venustum ♀), *Stein O.* 465.—Cookson, 1890.  
 C. × Doris, *G.C.* 1890, ii. 716; *O.R.* 1893, 295.  
**181. P. × Drewettii** (Lowii × niveum). —Drewett, 1892.  
 C. niveum × Lowii, *G.C.* 1892, i. 470.—Lewis.  
 C. × niveo-Lowii, *R. H. Meas. Cyp.* ed. 2, 78.—Drewett.  
**182. P. × Druryo-Hookeræ** (Druryi × Hookeræ).—Veitch, 1896.  
 C. × Druryo-Hookeræ, *G.C.* 1896, i. 530; *O.R.* 1896, 160, 187; *Dict. Ic. O.*  
*Cyp. hyb.* t. 39.

183. *P.* × **Durbar** (*hirsutissimum* × *Morganiae*).—Sander, 1903.

*C.* × "The Durbar," *G.C.* 1903, i. 46; *O.R.* 1903, 51.

184. *P.* × **Duvalii** (*ciliolare* × *nitens* ♀).—Duval, 1900.

*C.* × *Sallieri-ciliolare*, *f. S. H. Fr.* 1900, 118; *fard.* 1902, 79.—Duval.

*C.* × *Pleides*, *Charlesw. Cat.* Feb. 1900; *Sand. O. Guide*, 336.—Charlesworth

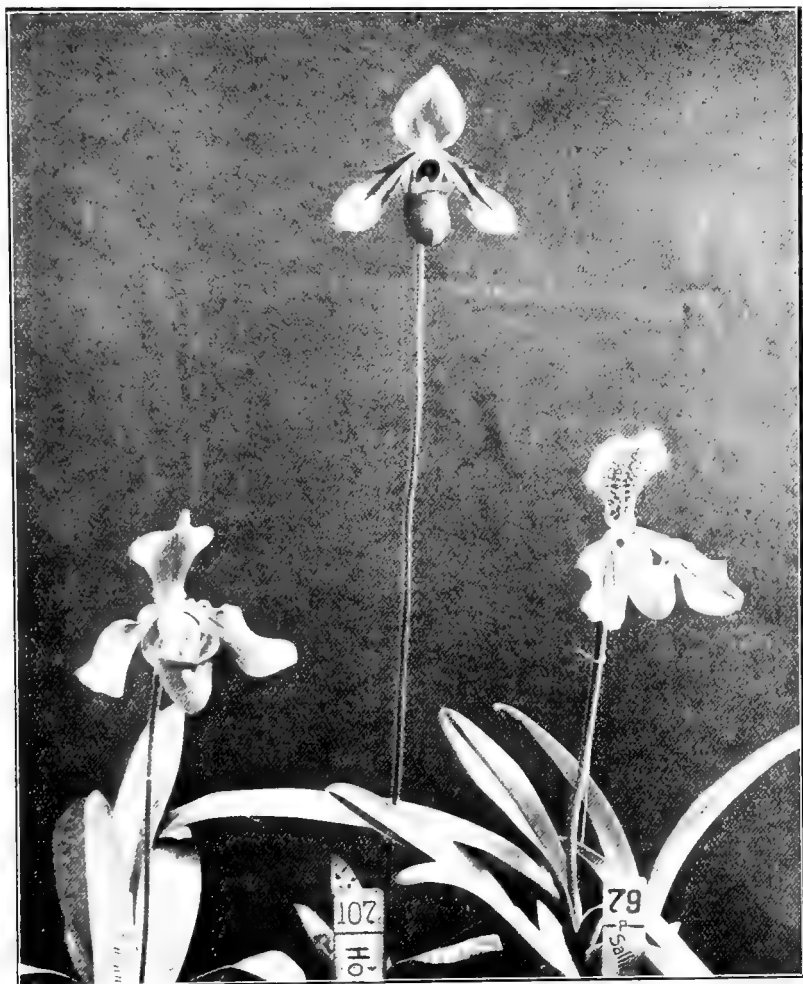


Fig. 53. *PAPHIOPEDILUM* × *EDMUNDII* (on the left), with its two parents.

Fig. 54. *P.* × *NITENS* VAR. *HYEANUM* (on the right).

185. *P.* × **Echo** (*Hookeræ* ♀ × *insigne*), *Kerch. Liv. d. O.* 478.—Graves, 1894.

*C.* × *Echo*, *O.R.* 1894, 111.

186. *P.* × **Edith** (*Boxallii* × *Rothschildianum*).—(Cookson) R. I. Measures, 1900.

*C.* × *Boxallo-Rothschildianum*, *G.C.* 1900, i. 174; *O.R.* 1900, 125.—R. I. Measures.

C. × Rothschildiano-Boxallii, *Sand. O. Guide*, 337.

C. × Edith, *G.C.* 1903, ii. 343 ; *O.R.* 1903, 367.—Rogerson.

187. P. × **Edmundii** (Hookeræ × nitens).—Rothwell, 1902. [See Fig. 53.]

C. × Edmund Rothwell, *Amer. G.* 1902, 137, 138, f. 33 ; *O.R.* 1902, 144, f. 16.

188. P × **Edwardii** (Fairrieanum × superbiens ♀), *Kerch. Liv. d. O.* 478 ; *O.R.* 1900, 9, f. 4 ; 1905, 39, f. 7.—Graves, 1892. [See Fig. 55.]

C. × Edwardii, *O.R.* 1893, 23, f. 2 ; *G.C.* 1893, ii. 133 ; *G. World*, 1903, 682, f.

189. P. × **Eira** (Chamberlainianum × concolor).—Wigan, 1903.

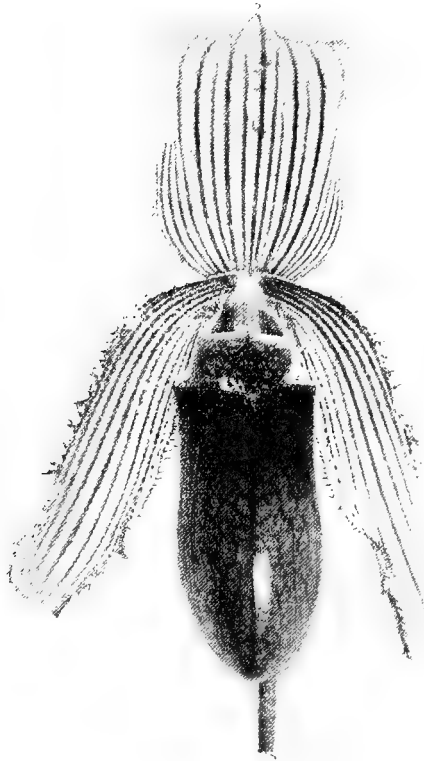


Fig. 55. PAPHIOPEDILUM × EDWARDII.

C. × Eira, *G.C.* 1903, i. 108 ; *O.R.* 1903, 82.

190. P. × **Eismannianum** (Boxallii × Harrisianum), *Kerch. Liv. d. O.* 478.—Seeger and Tropp, 1890.

C. × Eismannianum, *Garden*, 1890, ii. 608.

C. × tenebrosum, *G.C.* 1894, i. 211 ; *O.R.* 1894, 95 ; *Desb. Cyp.* ed. 2, 447.—Tate.

C. × Lobengula, *G.C.* 1894, i. 343 ; *O.R.* 1894, 126.—Ingram.

C. × (unnamed), *J. S. H. Fr.* 1895, 25.—Lebaudy.

C. × amabile, *Jard.* 1895, 53 ; *J. S. H. Fr.* 1896, 298 ; *G.C.* 1895, i. 370 ; *O.R.* 1896, 11.—Lebaudy.



- C. × Suzanne Cayeux, *ŷ. S. H. Fr.* 1899, 58 —Cayeux.
- C. × Alfred Thierrard, *ŷ. S. H. Fr.* 1901, 1062.—Cappe.
- 191. P. × Elinor** (× selligerum ♀ × superbiens), *Kerch. Liv. d. O.* 478.—Drewett, 1890.
- C. × Elinor, *G.C.* 1890, ii. 38; *O.R.* 1893, 294.
- C. × Denisianum, *G.C.* 1894, ii. 118; *G.M.* 1896, 216, f.; *O.R.* 1894, 276  
*Lind.* x. t. 437.—Linden.
- 192. P. × Elise** (× Pallas × Rothschildianum).—Feiling, 1903.
- C. × Elise, *G.C.* 1903, ii. 214; *O.R.* 1903, 308.
- 193. P. × Elizabethæ** (Lawrenceanum × Parishii).—R. H. Measures, 1893.
- C. × Elizabethæ, R. H. Meas. Cyp. ed. 2, 35; *Hans. O. Hyb.* 145.—R. I. Measures.
- C. × (unnamed), *O.R.* 1894, 106.—R. I. Measures.
- 194. P. × Elsie** (Boxallii × Charlesworthii).—Appleton, 1903.
- C. × Elsie, *G.C.* 1903, ii. 429.
- 195. P. × Endymion** (barbatum ♀ × Mastersianum), *O.R.* 1899, 47.—Young, 1899.
- C. × Endymion, *Dict. Ic. O. Cyp. hyb.* t. 33.
- 196. P. × enfieldense** (Hookeræ × Lawrenceanum ♀), *Kerch. Liv. d. O.* 478.—Hollington, 1891.
- C. × enfieldense, *G.C.* 1891, ii. 546; *O.R.* 1893, 309, 327; 1896, 40.
- C. × Hebe, *G.C.* 1893, ii. 342; *O.R.* 1893, 309, 319.—R. I. Measures.
- C. × Richardsoni, *G.C.* 1893, ii. 470; *Will. O. Gr. Man.* 1894, 295.—Hollington.
- C. × suffusum, *G.C.* 1895, i. 210; *O.R.* 1896, 40.—Burton.
- C. × Lawrenceano-Hookeræ, *ŷ. S. H. Fr.* 1895, 163.—Bleu.
- 197. P. × Enid** (bellatulum ♀ × Spicerianum).—Veitch, 1897.
- C. × Enid, *G.C.* 1897, i. 115; *O.R.* 1897, 93, 161; *ŷ. S. H. Fr.* 1901, 90; *Dict. Ic. O. Cyp. hyb.* t. 68.
- 198. P. × Ensign** (barbatum × Harrisianum ♀), *Kerch. Liv. d. O.* 478.—Winn, 1892.
- C. × Ensign, *G.C.* 1892, i. 73; *O.R.* 1893, 12, 359.
- 199. P. × Eos** (Charlesworthii × niveum ♀), *O.R.* 1901, 14.—Appleton, 1900.
- C. × Eos, *G.C.* 1902, ii. 143.
- 200. P. × Ephialtes** (× aureum × insigne), *Kerch. Liv. d. O.* 478.—Pitcher & Manda, 1892.
- C. × Ephialtes, *Gard. & For.* 1892, 562.
- 201. P. × Erato** (hirsutissimum × nitens ♀), *Kerch. Liv. d. O.* 478.—Vuylsteke, 1892.
- C. × (unnamed), *Rev. H. Belge*, 1892, 238.—Vuylsteke.
- C. × Erato, *O.R.* 1893, 118; *Dict. Ic. O. Cyp. hyb.* t. 5.
- C. × hirsuto-Sallieri, *G.C.* 1897, i. 177; *O.R.* 1897, 124; *ŷ.H.* 1897, ii. 389, f. 58.—Lawrence.

*C.* × *Leopoldianum*, *Desb. Cyp.* ed. 2, 310; *R. H. Meas. Cyp.* ed. 3, 194.—Vuylsteke.

*C.* × (unnamed), *J. S. H. Fr.* 1903, 130.—Garden.

202. *P.* × *Eros* (*barbatum* ♀ × *Canhami*), *O.R.* 1898, 335.—Wills, 1898.

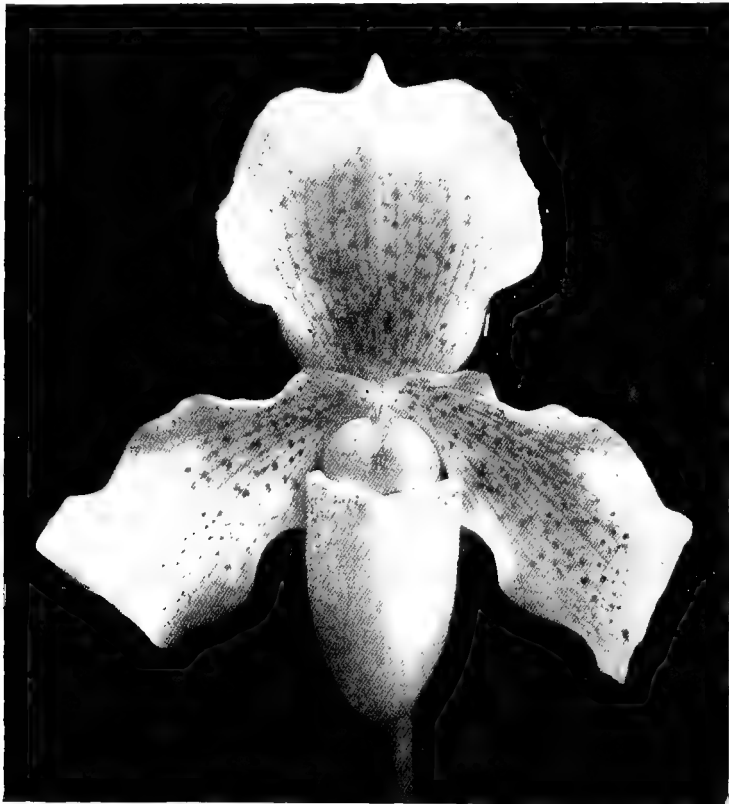
203. *P.* × *erubescens* (*Charlesworthii* × *hirsutissimum*), *O.R.* 1903, 68.—

Ross.

♂ 204. *P.* × *Ettyi* (*Godefroyae* × *insigne*).—Drewett, 1901. [See Fig. 56.

*C.* × *Robert Etty*, *G.C.* 1901, i. 209; *O.R.* 1901, 121.

*P.* × *Dowlingianum*, *O.R.* 1902, 101; *G.M.* 1902, 134.—Appleton.



♂ Fig. 56. PAPHIOPEDILUM × ETTYI VAR. QUEEN OF ITALY.

*C.* × *Dowlerianum*, *G.C.* 1902, i. 152; *O.R.* 1902, 91.—Appleton.

*C.* × *Hindeanum*, *G.C.* 1903, i. 46, 53, f. 26; *O.R.* 1903, 51.—Sander.

♂ *C.* × *Queen of Italy*, *G.C.* 1903, ii. 377; *O.R.* 1903, 366.—Charlesworth.

*P.* × *Queen of Italy*, *O.R.* 1904, 17, f. 8. —Charlesworth.

205. *P.* × *Eucharis* (*insigne* ♀ × *Lawrenceanum*), *Kerch. Liv. d. O.* 478.—Vuylsteke, 1893.

*C.* × *Eucharis*, *G.C.* 1893, i. 195; *O.R.* 1893, 87; *Dict. Ic. O. Cyp. Hyb.* t. 53 (v. *Fournierianum*).

- C. × Umlaufianum, *G.C.* 1893, ii. 70; *O.R.* 1893, 286.—Sander.
- C. × Acis, *R. H. Meas. Cyp.* ed. 2, 3; *ŷ. S. H. Fr.* 1894, 582; *Bohnh. Dict. O. Hyb.* 9.
- C. × Fournierianum, *R. H. Meas. Cyp.* ed. 2, 39.—Sander.
- C. × Eylesianum, *G.C.* 1896, i. 655.—Lewis.
- C. × Lawrenceano-Chantini, *ŷ. S. H. Fr.* 1897, 465; 1899, 55.—Bleu.
- C. × (unnamed), *ŷ. S. H. Fr.* 1896, 742.—Cardoso.
- **206. P. × Euryale** (Lawrenceanum × superbians), *Stein O.* 466.—Veitch, 1887.
- C. × Euryale, *V. Man. O.* iv. 83; *O.R.* 1893, 262.
- C. × Vervaetianum, *G.C.* 1888, i. 712; *O.R.* 1893, 228; *V. Man. O.* iv. 83.
- C. × Siemonii, *Pucci Cyp.* 187; *Desb. Cyp.* ed. 2. 426.—Pucci.
- C. × Robinsonianum. *R. H. Meas. Cyp.* ed. 2, 90.—Sander.
- C. × Lawrenceano-superbians, *ŷ. S. H. Fr.* 1894, 414.—Bleu.
- C. × Roch Jolibois, *ŷ. S. H. Fr.* 1897, 686.—Opoix.
- 207. P. × euryandrum** (barbatum ♀ × Stonei), *Stein O.* 466.—Veitch, 1875.
- C. × euryandrum, *G.C.* 1875, ii. 772; *Fl. d. Ser. t.* 2278; *O. Alb.* vii. t. 301; *V. Man. O.* iv. 83, f.; *Gard.* 1881, ii. 636, 637, f.; *Orchidoph.* 1883, 764, f.; *O.R.* 1893, 38; *Will. O. Gr. Man.* ed. 6, 244, f.; *Day O. Draw.* xxx. t. 61.
- C. × hybridum, *Fl. M.* 1875, t. 187.
- C. × The Duke, *G.C.* 1893, i. 206; *O.R.* 1893, 95.
- C. × Duke, *Bohnh. Dict. O. Hyb.* 17.
- C. × intermedium, *Hans. O. Hyb.* 146; *Desb. Cyp.* ed. 2, 270.
- 208. P. × Eurydice** (Hookeræ × Spicerianum ♀).—Graves, 1894.
- C. × Eurydice, *Hans. O. Hyb.* 146.
- 209. P. × Eurylochus** (ciliolare ♀ × hirsutissimum), *Kerch. Liv. d. O.* 478.—Veitch, 1892.
- C. × Eurylochus, *G.C.* 1892, i. 664; *O.R.* 1893, 359.
- **210. P. × Evadne** (Charlesworthii ♀ × superbians).—Charlesworth, 1901.
- C. × General Knox, *Charlesw. Cat.* 1901; *Sand. O. Guide*, 335.—Charlesworth.
- P. × (unnamed), *O.R.* 1903, 91.—Young.
- C. × Evadne, *G.C.* 1904, ii. 156; *Sand. O. Guide*, 335.—Goodson.
- P. × General Knox, *O.R.* 1905, 281.—Young.
- **211. P. × Evelyn** (× Calypso × Leeanum).—Oakes Ames, 1900.
- C. × Evelyn Ames, *Amer. G.* 1900, 112, 113, f. 20; *O.R.* 1900, 95; *Amer. Florist*, 1903, 567, f. (v. superbum).—Oakes Ames.
- C. × The Gem, *G.C.* 1900, i. 110; *O.R.* 1900, 89.—Ingram.
- C. × Mrs. W. Mostyn, *G.C.* 1902, i. 50, 75, f. 28; *O.R.* 1902, 51; *ŷ.H.* 1902, i. 101, f.
- 212. P. × Evenor** (Argus ♀ × concolor), *Kerch. Liv. d. O.* 478.—Veitch, 1892.

C. × Evenor, *G.C.* 1892, i. 664; 1895, i. 199; *O.R.* 1893, 11, 188, 359; *Lind.* ii. t. 497 (v. grandiflorum); *G. World*, 1898, 635, f. (Southgate var.).

The original record of parentage was C. Argus × bellatulum, but this was afterwards amended as above.

**213. P. × Excelsior** (× Harrisianum × Rothschildianum ♀).—Statter, 1894.

C. × Excelsior, *G.C.* 1894, ii. 194; *O.R.* 1894, 286; *Desb. Cyp.* ed. 2, 119, 180, f. (v. Mars.)

C. × excellens, *O.R.* 1884, 275.—Statter.

**214. P. × eximium** (Boxallii × Germinyanum).—Veitch, 1902.

C. × eximium, *O.R.* 1902, 115; 1905, 118; *Sand. O. Guide*, 335.

**215. P. × exoptatum** (clliolare × superciliare ♀).—Bleu, 1898.

C. × exoptatum, *ŷ. S. H. Fr.* 1899, 707.

**216. P. × Eyermanianum** (barbatum ♀ × Spicerianum), *Stein O.* 467.—Sander, 1890.

C. × Eyermanianum, *G.C.* 1890, ii. 746; *O.R.* 1893, 295, 309; 1894, 22; *Reichenb.* ser. 2, i. 81, t. 38, f. 2; *Dict. Ic. O. Cyp.* hyb. t. 34 (v. Hermione).

C. × Hermione (Spicerianum ♀), *G.C.* 1893, ii. 682.—Young.

C. × Diana, *G.C.* 1893, ii. 342; *O.R.* 1893, 319.—Sander.

C. × De Bosscherianum, *Rev. H. Belge*, 1892, 6.—Vuylsteke.

C. × Bosscherianum, *G.C.* 1892, i. ii.—Vuylsteke.

C. × Alector, *G.C.* 1895, i. 199.—Veitch.

C. × Zephyr, *Sand. O. Guide* 274.

**217. P. × Fabia** (Lawrenceanum × Pollettianum).—Charlesworth, 1900.

C. × Ajax, *Charlesw. Cat.* 1900; *G.C.* 1902, ii. 370; *Sand. O. Guide*, 334.

**218.—P. × Fairy-Queen** (Curtisii ♀ × Druryi).—Sander, 1896.

C. × Fairy-Queen, *G.C.* 1896, ii. 471; *O.R.* 1896, 349; *Desb. Cyp.* ed. 2, 187; *Amer. G.* 1903, 335, f.

**219. P. × Faroultii** (Rothschildianum × Spicerianum ♀).—Faroult, 1893.

C. × (unnamed), *ŷ. S. H. Fr.* 1893, 756.

**220. C. × Fausianum** (× calophyllum × Harrisianum ♀), *Kerch. Liv. d. O.* 478.—Sander, 1893.

C. × Fausianum, *G.C.* 1893, ii. 133; *O.R.* 1893, 286.

**221. P. × Favarger** (Charlesworthii × concinnum).—Rehder, 1900.

C. × Favarger, *G.C.* 1900, i. 110; *O.R.* 1900, 89.

**222. P. × Felicity** (callosum × tonsum).—Pitt, 1902.

C. × Felicity, *G.C.* 1902, i. 152; *O.R.* 1902, 91, 308.

There appears to be a slight doubt about the parentage of this hybrid.

**223. P. × festum** (barbatum × chloroneurum).—Seeger, 1902.

C. × festum, *Gard.* 1892, i. 26; *G.C.* 1895, i. 199.

**224. P. × Figaro** (× œnanthum × Spicerianum ♀) *Kerch. Liv. d. O.* 478.—Seeger and Tropp, 1889.

C. × Figaro, *G.C.* 1889, ii. 750; *O.R.* 1893, 263.

C. × Tityus, *G.C.* 1892, ii. 622; *O.R.* 1893, 13, 358; 1899, 17, f. 4.—Veitch.

C. × Chas. Reffold (œnanthum ♀) *G.C.* 1892, ii. 745; *O.R.* 1896, 361.—Ingram.

C. × Clarence, *G.C.* 1894, ii. 605; *O.R.* 1894, 375.—Wigan.

C. × œno-Spicerianum, *G.C.* 1895, ii. 200; *O.R.* 1896, 361; *ŷ. S. H. Fr.* 1902, 35.—R. I Measures.

**225. P. × Finetianum** (ciliolare ♀ × philippinense).—Seeger, 1893.

C. × Finetianum, *R. H. Meas. Cyp.* ed. 2, 37.—Seeger.

C. × Alfred Hollington, *G.C.* 1895, ii. 467; *O.R.* 1895, 351.—Hollington.

C. × Hollingtoni, *O.R.* 1899, 330.—Hollington.

**226. P. × Finetii** (callosum ♀ × Godefroyæ).—Regnier, 1891.

C. × Mons. Finet, *Orchidoph.*, 1891, 321, 5, ff; *Desb. Cyp.* ed. 2, 346.

C. × Felix Faure (Godefroyæ) *ŷ. d. O.* v. 372; *ŷ. S. H. Fr.* 1895, 477; *G.C.* 1895, i. 228; *Lind. X.* t. 469; *O.R.* 1895, 216.—Dallemanne.

C. × Fournieri, *ŷ. S. H. Fr.* 1893, 185.—Regnier.

C. Madame Regnier, *ŷ. S. H. Fr.* 1897, 684. —Regnier.

**227. P. × Fitchianum** (Bullenianum × venustum), *Stein O.* 467; *O.R.* 1899, 52.—Williams, 1888.

C. × Fitchianum, *O. Alb.* vii. t. 350; *O.R.* 1899, 52.

Originally described as a hybrid between C. Hookeræ and C. barbatum, which is clearly erroneous.

**228. P. × Florence** (Druryi × Harrisianum).—Ross, 1901.

P. × (unnamed), *O.R.* 1901, 223.

**229. P. × Fordianum** (callosum × Stonei ♀).—Sander, 1895.

C. × Fordianum, *G.C.* 1895, i. 210; *O.R.* 1895, 96.

**230. P. × Fortuna** (callosum × Hookeræ), *O.R.* 1899, 100.—(Charlesworth) Young, 1896.

\* **231. P. × Fowleræ** (Chamberlainianum × insigne).—Sander, 1899.

C. × Gertrude, *R. H. Meas. Cyp.* ed. 3, 63, *Boyle Woodl. O.* 194.—Sander.

• C. × Miss Louisa Fowler, *G.C.* 1899, i. 77; *O.R.* 1899, 92; *G.M.* 1899, 88, f.—Fowler.

C. × Rogeri, *ŷ. S. H. Fr.* 1900, 179; 1901, 90.—Page.

C. Chamberlaino-insigne, *G.C.* 1900, i. 143; *O.R.* 1900, 90.—Lawrence.

C. × hybridum Frau Geheimrat Borsig, *Gtfl.* 1902, 393, t. 1501; *O.R.* 1902, 288.—Borsig.

C. × bingleyense superbum, *G.C.* 1900, ii. 424; *Sand. O. Guide*, 334.—Hayward.

C. × Alexandræ, *ŷ. S. H. Fr.* 1903, 190; *ŷard.* 1903, 128; *Rev. H.* 1903, 218.—Fournier.

C. × Chamber-insigne, *ŷ.H.* 1901, i. 311, *Sand. O. Guide*, 334.

**232. P. × Fowleri** (callosum × Rothschildionum).—Fowler, 1897.

C. × callo-Rothschildianum, *G.C.* 1897, ii. 113; *O.R.* 1897, 286.

**233. P. × Frederico-nobile** (Boxallii × Morganæ).—Seeger and Trapp, 1891.

C. × Frederico-nobile, *Garden*, 1891, i. 345; *R.H. Meas. Cyp.* ed. 2, 39.

- C. × *Fredericus nobilis*, *G.C.* 1895, i. 199.
- 234. P. × fulgens** (*Hookeræ* × *marmorophyllum*).—Sander, 1893.  
C. × *fulgens*, *R. H. Meas. Cyp.* ed. 2, 39; *G.C.* 1895, i. 200.
- 235. P. × Gabrieli** (*Harrisianum* × *orphanum*).—Gabriel, 1899.  
C. × *Gabrieli*, *R. H. Meas. Cyp.* ed. 3, 61.
- 236. P. × gandavense** (*barbatum* × *Swanianum*, *Kerch. Liv. d. O.* 479.—  
Pitcher and Manda, 1888.  
C. × *gandavense*, *Lind.* iii. 160; *Desb. Cyp.* ed. 2, 196.  
C. × *Olivet*, *Hans. O. Hyb.* 169; *Jard.* 1895, 53; *G.C.* 1895, i. 370.—Mantin.
- 237. P. × Ganymedes** (× *œnanthum* × *tonsum* ♀), *O.R.* 1900, 20.—  
Young, 1899.
- 238. P. × Garfieldii** (× *regale* × *tonsum*).—Oakes Ames, 1900.  
C. × *James Garfield*, *Amer. G.* 1900, 277.
- 239. P. × Gaudianum** (*Curtisii* ♀ × *Harrisianum*).—Fournier, 1903.  
C. × *Gaudianum*, *Dict. Ic. O. Cyp. hyb.* t. 56.  
C. × (unnamed), *J. S. H. Fr.* 1903, 37; *Rev. H.* 1903, 47.—Fournier.
- 240. P. × Gayotiæ** (*Dayanum* ♀ × *insigne*).—Jolibois, 1889.  
C. × n. 180, *J. S. H. Fr.* 1889, 735, 787; 1891, 45.—Jolibois.  
C. × (unnamed), *J. S. H. Fr.* 1890, 390.—Jolibois.  
C. × *Mademoiselle Madeleine Gayot*, *J. S. H. Fr.* 1891, 67; *Hans. O. Hyb.* 162; *Desb. Cyp.* ed. 2, 327.—Jolibois.  
C. × *pellucidum*, *Fl. Exch.* Jan. 9, 1892; *Hans. O. Hyb.* 162; *Desb. Cyp.* ed. 2, 338.—Pitcher and Manda.
- 241. P. × Gem** (*insigne* × *marmorophyllum* ♀).—Ingram, 1892.  
C. × *The Gem*, *G.C.* 1892, ii. 138; *O.R.* 1893, 359.
- 242. P. × gemmiferum** (*Hookeræ* ♀ × *purpuratum*), *Stein. O.* 467.—  
Bowring, 1881.  
C. × *gemmiferum*, *G.C.* 1181, i. 814; *O.R.* 1893, 71; *V. Man. O.* iv. 85.
- 243. P. × Georgianum** (*niveum* × *superbeins* ♀).—Graves, 1894.  
C. × *Georganum*, *O.R.* 1894, 164.  
C. × *The Pard*, *G.C.* 1894, ii. 257; *O.R.* 1894, 317.—Lawrence.
- 244. P. × Georgei** (*Boxalli* × *Stonei*).—Keeling, 1900.  
C. × *Sir George White*, *O.R.* 1900, 142.
- **245. P. × Germinyanum** (*hirsutissimum* × *villosum* ♀); *Stein. O.* 468.—  
Veitch, 1886.  
• C. × *Germinyanum*, *G.C.* 1886, i. 200; *J.H.* 1890, ii. 89, f. 12; 1893, i. 67, 74, f. 10; *V. Man. O.* iv. 85; *O.R.* 1893, 147; *Dict. Ic. O. Cyp. hyb.* t. 52.  
C. × (unnamed), *J. S. H. Fr.* 1891, 46.—Cappe.  
C. *villosum violaceum*, *G.C.* 1893, i. 195.—Vuylsteke.  
C. × *violaceum*, *R. H. Meas. Cyp.* ed. 3, 173.—Vuylsteke.  
C. × *villosio-violaceum*, *Desb. Cyp.* ed. 2, 467.—Vuylsteke.  
C. × *hirsuto-villosum*, *J. S. H. Fr.* 1896, 111.—Cappe.  
C. × *Roberti*, *O.R.* 1894, 93; 1896, 38.—Cowper.  
C. × (unnamed), *G.C.* 1894, i. 211.—Cowper.

• **246. P. × giganteum** (× *Harrisianum* × *nitens* ♀), *Kerch. Liv. d. O.* 479.—Hye, 1893.

- C. × *giganteum*, *O.R.* 1893, 316; *Desb. Cyp.* ed. 2, 200.
- C. × *Talisman*, *G.C.* 1899, i. 174; *O.R.* 1899, 126.—Hye.
- C. × *Harrisiano-nitens*, *ŷ. S. H. Fr.* 1895, 606.—Garden.
- C. × *Dauthieri-nitens*, *ŷ. S. H. Fr.* 1896, 110.—Opoix.
- C. × *Docteur Allix*, *ŷ. S. H. Fr.* 1902, 139.—Cappe.
- C. × *René*, *ŷ. S. H. Fr.* 1899, 1130.—Duval.
- C. × *President Krüger*, *ŷ. S. H. Fr.* 1902, 778.—Beranek.

• **247. P. × gigas** (× *Harrisianum* × *Lawrenceanum* ♀), *Kerch. Liv. d. O.* 479.—Opoix, 1888.

- C. × *gigas*, *G.C.* 1892, i. 136; *ŷ.H.* 1892, i. 257, f. 42; *O.R.* 1893, 359.
- C. × *Amphion*, *R. H. Meas. Cyp.* ed. 2, 113; *Boyle Woodl. O.* 181.—R. H.

Measures.

- C. × *gloriosum*, *R. H. Meas. Cyp.* ed. 2, 42.—Hye.
- C. × *The Hendre*, *G.C.* 1894, ii. 103; *O.R.* 1894, 285.—Lord Llangattock.
- C. × *Monsieur Paul Descombes*, *ŷ. S. H. Fr.* 1894, 314.—Opoix.
- C. × *Paul Descombes*, *ŷ. S. H. Fr.* 1895, 238.—Opoix.
- C. × *Corndeani*, *G.C.* 1895, i. 627; *O.R.* 1895, 187, 215; 1896, 190.—

Swinburne.

- C. × *Flambeau*, *G.C.* 1900, ii. 482; *O.R.* 1901, 26.—Sander.
- C. × *Monsieur Scellier de Gisors*, *ŷ. S. H. Fr.* 1897, 602.—Opoix.

• C. × *Prewettii*, *G.C.* 1897, i. 210; *O.R.* 1897, 128; *Dict. Ic. O. Cyp. hyb. t.* 23.—Hollington.—The parentage of this hybrid is doubtful.

- C. × *Esculapias*, *R. H. Meas. Cyp.* ed. 3, 56.—R. I. Measures.

C. × *Emperor of India*, *G.C.* 1902, i. 281, 322, 413, 415, f. 153; *ŷ.H.* 1902, i. 423, f.; *O.R.* 1902, 149; *G.M.* 1902, 274, 275, f.; *Rev. H.* 1902, 333, f. 139.—Sander.

**248. P. × Glonerianum** (× *Leeanum* × *Victoria-Mariæ*)—Linden, 1901.

- C. × *Glonerianum*, *Lind.* xvi. t. 753; *O.R.* 1902, 63, 383.

• **249. P. × Godseffianum** (*Boxallii* ♀ × *hirsutissimum*), *Stein O.* 469.—Cookson, 1888.

C. × *Godseffianum*, *G.C.* 1888, i. 296; *Orchidoph.* 1888, 133; *Rev. H. Belge*, 1892, 85, t. 8; *O.R.* 1893, 259; *ŷ.H.* 1895, i. 223, f. 40; *Dict. Ic. O. Cyp. hyb. t.* 7 (type), 7 A. (v. Jupiter).

- C. × *Bragaianum*, *ŷ. d. O.* ii. 55; *G.C.* 1891, i. 406; *Lind.* vi. t. 279.—

Linden.

C. × *Jupiter*, *Rev. H.* 1894, 89; *O.R.* 1894, 60; *Chron. O.* 6; *ŷ. S. H. Fr.* 1897, 132; *Desb. Cyp.* ed. 2, 280.—Vuylsteke.

- C. × *Othello*, *G.C.* 1890, i. 336; *O.R.* 1893, 295.—Veitch.

• C. × *hirsutissimo-Boxallii*, *ŷ. S. H. Fr.* 1899, 153.—Opoix.

**250. P. × Goodsoni** (× *Haywoodianum* × *Swinburnei*).—Goodson, 1903

- C. × *H. S. Goodson*, *G.C.* 1903, ii. 246; *O.R.* 1903, 309.

C. × *Kitty*, *G.C.* 1903, ii. 262; *O.R.* 1903, 342.—Crook.

251. **P. × Gordoni** (Boxallii × Druryi).—Gordon, 1903.

C. × (unnamed), *G.C.* 1903, i. 46; *O.R.* 1903, 51.

252. **P. × Goultenianum** (callosum × Curtisii ♀), *Kerch. Liv. d. O.* 479.—Goulten, 1894.

C. × Goultenianum, *G.C.* 1894, i. 84; *O.R.* 1894, 62; 1895, 144.

C. × Francesiæ, *G.C.* 1900, ii. 424; *O.R.* 1901, 22, 60.—Statter.

C. × calloso-Curtisii, *ŷ. S. H. Fr.* 1901, 193.—Mantin.

C. × Mme. Alfred Janssens, *G.C.* 1903, i. 46; *Rev. H. Belge*, 1903, 47.—Janssens and Putzeys.

• 253. **P. × Gowerianum** (Curtisii × Lawrenceanum) *Kerch. Liv. d. O.* 479.—Sander, 1893.



Fig. 57. PAPHIOPEDILUM × GRAVESLÆ.

C. × Gowerianum, *G.C.* 1893, i. 682 (in note); *O.R.* 1893, 212; *Will. O. Gr. Man.* ed. 7, 262; *G.M.* 1900, 78, f. (v. formosum).

C. × Goweri, *R. H. Meas. Cyp.* ed. 2, 43; *G.C.* 1895, i. 529.—Sander.

C. × Sylvia, *G.C.* 1893, i. 682; *O.R.* 1893, 212.—Winn.

C. × Lawrenceo-Curtisii, *ŷ. S. H. Fr.* 1894, 414; 1895, 239.—Bleu.

C. × Curtisii-Lawreanum, *Desb. Cyp.* ed. 2, 149.—Bleu.

• 254. **P. × Graceæ** (Boxallii × niveum).—Keeling, 1902.

C. × Graceæ, *G.C.* 1902, ii. 294; *O.R.* 1902, 343.

255. **P × gracile** (Haynaldianum ♀ × Swanianum).—Ingram, 1897.

C. × gracile, *G.C.* 1897, ii. 150; *O.R.* 1897, 287.



**256. P. × grandiflorum** (× *aureum* × *Harrisianum*).—Pitcher and Manda, 1899.

C. × *luridum grandiflorum*, *R. H. Meas. Cyp.* ed. 3, 111.—Pitcher and Manda.

**257. P. × Gratrixiæ** (*bellatulum* ♀ × *vexillarium*), *O.R.* 1900, 39.—Briggs-Bury, 1897.

C. × *bellatulo-vexillarium*, *G.C.* 1897, i. 326; *O.R.* 1897, 184; 1905, 71.—Briggs-Bury.

C. × *Gratrixiæ*, *O.R.* 1898, 183.—Gratrix.

C. × *vexillario-bellatulum*, *Sand. O. Guide*, 337.

**258. P. × Gratrixii** (*bellatulum* × *Godefroyæ*).—Gratrix, 1898.

C. × *S. Gratrix*, *O.R.* 1898, 183.

• **259. P. × Gravesiæ** (*Argus* ♀ × *niveum*), *Kerch. Liv. d. O.* 479.—Graves, 1894. [See Fig. 87.]

• C. × *Gravesiæ*, *O.R.* 1894, 81, f. 8; *G.C.* 1894, i. 298, f. 34.

C. × *Mademoiselle Nancy Descombes*, *J. S. H. Fr.* 1894, 139; 1895, 238.—Opoix.

C. × *Ruth Ayling* (*niveum* ♀), *G.C.* 1895, i. 337; *O.R.* 1895, 127.—Hollington.

**260. P. × Gravesii** (*Lawrenceanum* ♀ × *Marshallianum*).—Graves, 1894.

C. × *Henry Graves*, *O.R.* 1895, 50.

**261. P. × Greyanum** (*ciliolare* ♀ × *Druryi*), *J. R. H. S.* xxvi. 692.—Pitcher and Manda, 1892.

C. × *Greyanum*, *Fl. Exch.* May 21, 1892; *G.C.* 1893, i. 396; *O.R.* 1893, 159.

C. × *Merops*, *G.C.* 1894, i. 475; *O.R.* 1894, 159; *G.M.* 1896, 302, f.—Veitch.

**262. P. × Greyi** (× *Godefroyæ* ♀ × *niveum*).—Corning, 1888.

C. × (unnamed), *O.R.* 1894, 227.

**263. P. × Grovesianum** (× *Lathamianum* × *Leeanum*).—Sander, 1896.

C. × *Grovesianum*, *G.C.* 1897, i. 16; *O.R.* 1898, 370; *Chron. O.* 283.

C. × *Mrs. Herbert Measures*, *G. World*, 1899, 499, f.; *O.R.* 1899, 289; *Boyle Woodl. O.* 199.—R. H. Measures.

C. × *nanum*, *R. H. Meas. Cyp.* ed. 3, 196; *O.R.* 1902, 367.—R. H. Measures.

C. × *Zenobia*, *Amer. G.* 1903, 107.—Rothwell.

**264. P. × Hanningtoni** (× *Medeia* × *villosum*).—R. H. Measures, 1900.

C. × *H. Hannington*, *Gard.* 1900, ii. 107, f.

**265. P. × Hanseni** (*Haynaldianum* × *villosum*).—Pitcher & Manda, 1895.

C. × *augustum*, *Hans. O. Hyb.* 135.—Pitcher & Manda.

**266. P. × Harri-exul** (*exul* × *Harrisianum*).—R. I. Measures, 1903.

C. × *Harri-exul*, *G.C.* 1903, i. 270; *O.R.* 1903, 153.

**267. P. × Harri-Leeanum** (× *Harrisianum* × *Leeanum*).—W. C. Clarke, 1893.

C. × *Harri-Leeanum*, *G.C.* 1893, ii. 630; *O.R.* 1893, 375.

C. × *Clement Moore*, *Gard.* 1895, i. 48; *G.C.* 1896, i. 10; *Desb. Cyp.* ed. 2, 127.—Sander.

268. **P.** × **Harrisander** (× *Harrisianum* ♀ × *Sanderianum*).—Winn, 1896.

**C.** × **Harrisander**, *G.C.* 1896, ii. 137; *O.R.* 1896, 228; 273, f. 14. [See Fig. 58.]

269. **P.** × **Harrisianum** (*barbatum* × *villosum* ♀), *Stein O.* 469.—Veitch, 1869.

**C.** × **Harrisianum**, *G.C.* 1869, 108; *Fl. & Pomol.* 1871, 56, 57, f.; *Fl. d. Ser.* t. 2289; *V. Man. O.* iv. 85, ff. (type and *v. superbum*); *G. World*, 1891, 393, f.; *Lind.* iii. t. 118 (*v. superbum*); iv. t. 166 (*v. polychromum*); *O.R.* 1893, 6; 1894, 235 (*v. virescens*); *Dict. Ic. O. Cyp. hyb.* t. 11 (*v. superbum*).



Fig. 58. PAPHIOPEDILUM × HARRISANDER.

**C.** × **Dauthieri**, *Orchidoph.* 1882, 218; *G.C.* i. 576, f. 109 (*v. marmoratum*); 1888, i. 425 (*v. Rossianum*); 1891, i. 426 (*v. Poggio Gherardo*); 1895. i. 335, f. 45 (*v. dimidiata*); *Rev. H. Belge*, 1889, 241, t. (*v. marmoratum*); *Rev. H.* 1890, 143; *Bull. Soc. Tosc. Ort.* 1891, 336, t. 11 (*v. Poggio Gherardo*); *O.R.* 1894, 20, 147 (*v. Albino*).—(Veitch) Van Houtte.

**C.** × **Van Houtteanum**, *Lind.* iii. t. 130; *O.R.* 1893, 259; 1899, 71; *Desb. Cyp.* ed. 2, 456.—(Veitch) Van Houtte.

**C.** × **Houtteanum**, *G.C.* 1888, i. 561.—(Veitch) Van Houtte.

**C.** × **Carnianum**, *Rev. H.* 1888, 274; *Desb. Cyp.* ed. 2, 215 (in note).—Sander.

C. × Madame Van Houtte, *V. Man. O.* iv. 90; *Desb. Cyp.* ed. 2, 326.—(Veitch) Van Houtte.

C. × Van Houttei, *Orchidoph.* 1889, 111.—(Veitch) Van Houtte.

C. × elegans, *R. H. Meas. Cyp.* ed. 2, 33.—R. H. Measures.

C. × hybridum, *R. H. Meas. Cyp.* ed. 2, 47.—Bull.

C. × Botelaerianum, *G.C.* 1895, ii. 391; 1896, i. 369.—Pauwels. Reproduced from seed.

C. × Vervaetianum, *Hans. O. Hyb.* 151.—Vervaet.

C. × Madame Vincke, *Desb. Cyp.* ed. 2, 326.—Vincke.

C. × intermedium, *R. H. Meas. Cyp.* ed. 3, 91.—Pitcher & Manda.

C. × virescens, *Charlesw. Cat.* 1900; *Sand. O. Guide*, 337.—Charlesworth.

The first hybrid in the genus.

**270. P. × Harrisifroyæ** (× Godefroyæ × Harrisianum ♀).—Lawrence, 1893.

C. × Harrisifroyæ, *G.C.* 1893, ii. 192; *O.R.* 1893, 287.

**271. P. × Harveyanum** (× Leeaanum × Stonei).—Backhouse, 1893.

C. × Harveyanum, *R. H. Meas. Cyp.* ed. 2, 49; *Hans. O. Hyb.* 151.

C. × (unnamed), *G.C.* 1895, i. 264.—W. C. Clarke.

**272. P. × Haywoodianum** (Druryi × superbiens ♀), *Kerch. Liv. d. O.* 479.—Veitch, 1889.

C. × T. B. Haywood, *G.C.* 1889, i. 428; *ŷ.H.* 1889, i. 174, f. 26; *O.R.* 1893, 262.—Veitch.

C. × Haywoodianum, *Bohnh. O. Hyb.* 20.—Veitch.

C. × Haywood, *ŷ. S. H. Fr.* 1896, 1063.—Veitch.

C. × Druryi-superbiens, *ŷ. S. H. Fr.* 1900, 59.—Opoix.

**273. P. × Hecla** (superbiens ♀ × Swanianum).—Ingram, 1892.

C. × Hecla, *G.C.* 1892, ii. 138; *O.R.* 1893, 12, 359.

The *O.R.* reference to C. × superciliare as one parent is an error.

**274. P. × Helen** (Charlesworthii × Dayanum ♀), *O.R.* 1900, 324.—Wigan, 1900.

C. × Helen, *G.C.* 1900, ii. 313; *O.R.* 1900, 324, 347.

• **275. P. × Helena** (bellatulum × insigne), *O.R.* 1902, 30, 64.—Tunstill, 1901.

C. × Helena, *ŷ.H.* 1901, ii. 555, f.; *O.R.* 1902, 64.

C. × Helen, *G.C.* 1901, ii. 401; *O.R.* 1902, 30.

• C. × Helen II., *Dict. Ic. O. Cyp. hyb.* t. 29; *ŷ. R. H. S.* xxvi. Proc. 248, f. 357.—Tunstill.

**276. P. × Helios** (Curtisii ♀ × villosum), *O.R.* 1900, 72.—Hurst, 1898.

**277. P. × Heloisianum** (Boxallii × gemmiferum).—Mantin, 1893.

C. × Heloisianum, *ŷ. S. H. Fr.* 1893, 819.

C. × Heloisizæ, *ŷ. S. H. Fr.* 1894, 582.—Mantin.

• **278. P. × Helvetia** (Chamberlainianum × philippinense), *O.R.* 1899, 336.—Froebel, 1899.

C. × Helvetia, *G.C.* 1899, ii. 273; *Dict. Ic. O. Cyp. hyb.* t. 43; *Gartenz.* 1901, 361, f.

‡ 279. *P. × Hera* (*Boxallii × Leeanum* ♀), *Kerch. Liv. d. O.* 479; *O.R.* 1901, 64; 1902, 74; 1903, 71, f. 16 (12 vars. incl. *Cæsar*, *Dakini*, *Hurstii*, *maculatum*, *punctatum*, and *Stormberg*), 72, f. 17 (12 vars. incl. *burbagense*), 73, f. 18 (6 vars.)—Veitch, 1892.

*C. × Hera*, *G.C.* 1892, i. 214; 1899, ii. 483, f. 159 (v. *Euryades*); *ŷ.H.* 1899, ii. 562, 563, f. 98 (v. *Euryades*); *Dict. Ic. O. Cyp. hyb.* t. 61 A (v. *Gillianum*).

• *C. × Adrastus* *G.C.* 1892, i. 343; *O.R.* 1893, 358; *ŷ.H.* 1894, i. 103, f. 16; *G.M.* 1894, 232, f.; *Amer. G.* 1900, 150, 151, f. 33; *Dict. Ic. O. Cyp. hyb.* t. 44 (v. *Mariæ*), 44 A (v. *Hurstii*).—Veitch.



Fig. 59. PAPHIOPEDILUM × HITCHINSIE.

• *C. × Euryades*, *G.C.* 1893, ii. 630; *O.R.* 1893, 375; *ŷ.H.* 1896, i. 47, 59 f. 7.—Veitch.

*C. × Magdalena*, *G.C.* 1895, i. 228.—Madoux. Precise parentage doubtful.

*C. × Leonis*, *ŷ.S.H.Fr.* 1898, 961.—Cappe.

*C. × Boxalli-Leeanum*, *ŷ.S.H.Fr.* 1899, 45.—Cappe.

*C. × Brunnianum*, *ŷ.S.H.Fr.* 1899, 152.—Poirier.

*C. × Gillianum*, *G.C.* 1899, i. 46; *O.R.*, 1899, 61.—Greenwood.

*C. × M. Galpin*, *ŷ.S.H.Fr.* 1900, 53.—Peeters.

*C. × Neron*, *ŷ.S.H.Fr.* 1900, 53.—Peeters.

• *C. × Mariæ*, *Dict. Ic. O. Cyp. hyb.* sub t. 44.—Peeters.

- C. × *Leeano-Boxallii*, *ŷ S.H.Fr.* 1901, 90.—Cappe.  
 C. × *Jean Magne*, *ŷ.S.H.Fr.* 1901, 97, 212.—Magne.  
 C. × *robustum*, *Gard.* 1903, i, 289.—Peeters.  
 A remarkably variable hybrid.
- 280. P. × Hiawatha** (× *Godseffianum* × *Leeanum*).—Sander, 1902.  
 C. × *Hiawatha*, *ŷ.H.* 1902, ii. 434; *Sand. O. Guide*, 335.
- 281. P. × Hiero** (*Chamberlainianum* × *Lawrenceanum* ♀).—Veitch, 1900.  
 C. × *Hiero*, *G.C.* 1900, i. 239; *O.R.* 1900, 155.
- 282. P. × Hitchinsiae** (*Charlesworthii* × *insigne*), *O.R.* 1899, 335; 1900, 49, f. 7; 1901, 15.—Duval, 1899. [See Fig. 59.
- \* C. × *Elmireanum*, *ŷard.* 1899, 303; *ŷ. S. H. Fr.* 1899, 833.—Duval.  
 † C. × *Hitchinsiae*, *G.C.* 1901, ii. 401; *O.R.* 1901, 366.—Hitchins.  
 C. × *bingleyense*, *O.R.* 1900, 373.—Keeling.  
 C. × *Zethus*, *G.C.* 1900, ii. 384; *O.R.* 1900, 373.—Veitch.  
 C. × *Henriette Duval*, *ŷ. S. H. Fr.* 1901, 996.—Duval.  
 C. × (unnamed), *ŷ. S. H. Fr.* 1902, 631.—Duval.
- 283. P. × Hobartii** (*insigne* × *Lathamianum*).—Roebing, 1899.  
 C. × *Garret A. Hobart*, *R. H. Meas. Cyp.* ed. 3, 62; *G.C.* 1903, ii. 429; *O.R.* 1904, 20.—Roebing.  
 C. × *dellense*, *G.C.* 1903, ii. 429.—Schröder.  
 C. × *Alexandre Debillé*, *ŷard.* 1903, 384; *Rev. H.* 1904, 7.—Debillé.
- 284. P. × Hobsoni** (*Lawrenceanum* ♀ × *philippinense*).—Hollington, 1894.  
 C. × *Hobsoni*, *G.C.* 1894, ii. 103; *O.R.* 1894, 285.  
 C. × *Hodgsoni*, *G.C.* 1894, ii. 194.—Hollington.  
 C. × *Burtoni*, *G.C.* 1895, i. 801; 1896, i. 20, 40.—Burton.  
 C. × *Chas. Steinmetz*, *G.C.* 1896, ii. 137; *O.R.* 1896, 255.—Lawrence.  
 The records of this plant have been hopelessly confused with those of *P. × Millmanii*, but at least some of the above have *P. Lawrenceanum* for one parent.
- 285. P. × Hollidayanum** (× *almum* × *concolor* ♀).—Sander, 1894.  
 C. × *Hollidayanum*, *G.C.* 1894, ii. 731; *O.R.* 1895, 32.
- 286. P. × Holtii** (*Curtisii* × *praestans*).—Sander, 1897.  
 C. × *E. Holt*, *G.C.* 1897, i. 390; *O.R.* 1897, 219.—Sander.  
 C. × (unnamed), *ŷ. S. H. Fr.* 1900, 513.—Gibez.  
 C. × *Curtiso-praestans*, *G.C.* 1900, ii. 18; *O.R.* 1900, 250; *ŷ. S. H. Fr.* 1902, 778.—Fowler.
- 287. P. × Hornianum** (*Spicerianum* × *superbiens*), *Stein O.* 471.—Baron N. Rothschild, 1887.  
 C. × *Hornianum*, *G.C.* 1887, ii. 428; *O.R.* 1893, 133.  
 C. × *picturatum*, *G.C.* 1889, ii. 420; 1891, i. 680; 1895, ii. 326; *G. World*, 1889, 92; *Gard.* 1889, ii. 350; *O.R.* 1893, 319.—Lawrence.  
 C. × *multicolor*, *G.C.* 1892, ii. 744.—Sander.
- 288. P. × Hunteri** (*bellatulum* × *tonsum* ♀), *O.R.* 1902, 100.—Steel, 1902.
- 289. P. × Hurrellianum** (*Argus* ♀ × *Curtisii*).—Roebing, 1894.

C. × Hurrellianum, *O.R.* 1894, 324; 1895, 15.

290. P. × **Huttia** (× Fitchianum × insigne). Swinburne, 1895.

C. × Lady Hutt, *G.C.* 1895, ii. 721; *O.R.* 1896, 32.—Swinburne.

291. P. × **Iago** (Dayanum ♀ × villosum), *O.R.* 1899, 48.—Wrigley, 1899.

292. P. × **Ian** (Argus × Charlesworthii).—Charlesworth, 1902.

C. × Ian Hamilton, *G.C.* 1902, ii. 105; *O.R.* 1902, 274.

293. P. × **I'Ansoni** (× Morgania × Rothschildianum), *O.R.* 1902, 373.—  
Low, 1898.

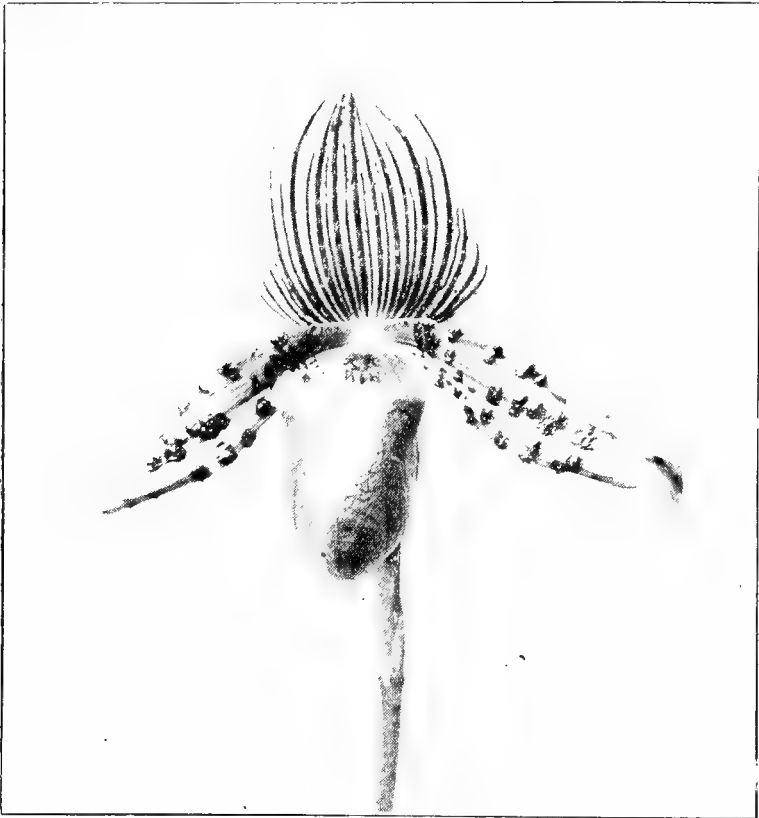


Fig. 60 PAPHIOPEDILUM × IO VAR. GRANDE.

C × I'Ansoni, *G.C.* 1898, ii. 14; *O.R.* 1898, 223; *G.M.* 1898, 458, 459, f. 2;  
*J.H.* 1900, i. 475, f. 126; 1903, i. 397, f.

C. × L'Ansoni, *Desb. Cyp.* ed. 2, 286.—Low.

C. × Mrs. Leemann, *O.R.* 1900, 144.—Sander.

P. × (unnamed), *O.R.* 1902, 319.—Statter, 1902.

There is a slight doubt about this record.

294. P. × **Ilione** (insigne × Lynchianum).—Sander, 1903.

C. × Ilione, *G.C.* 1903, i. 108; *O.R.* 1903, 82.

295. P. × **illustre** (× Lathamianum × nitens).—Sander, 1903.

C. × illustre, *G.C.* 1903, i. 108; *O.R.* 1903, 82.

C. × (unnamed), *Amer. G.* 1903, 59.—Loveless.

**296. P. × Imperatrix** (× *Ashburtonæ* ♀ × *calophyllum*), *Kerch. Liv. d. O.* 479.—Sander, 1893.

C. × *Imperatrix*, *R. H. Meas. Cyp.* ed. 2, 57; *Hans. O. Hyb.* 152.

**297. P. × Indra** (*callosum* ♀ × *villosum*), *Kerch. Liv. d. O.* 479.—R. I. Measures, 1893.

C. × *Indra*, *G.C.* 1893, ii. 630; *O.R.* 1893, 374.

C. × *villosocallosum*, *ŷ. S. H. Fr.* 1894, 414; 1895, 239.—Bleu.

**298. P. × Ino** (*Canhami* × *Haynaldianum* ♀).—Grey, 1895.

C. × *Ino*, *Amer. G.* March 23, 1895; *Hans. O. Hyb.* 153.

**299. P. × Io** (*Argus* ♀ × *Lawrenceanum*), *Stein O.* 473.—Cookson, 1886.

[See Fig. 60.

C. × *Io*, *G.C.* 1886, i. 488; *Reichenb.* ser. 1, i. 51, t. 23; *Rev. H. Belge*, 1888, 13, t.; *Veitch Man. O.* iv. 87; *O.R.* 1893, 131; 1894, 49, f. 6 (v. grande).

C. × *Eldorado*, *Bohnh. Dict. O. Hyb.* 16; *Hans. O. Hyb.* 297.

**300. P. × Iphis** (*Argus* × *tonsum* ♀), *O.R.* 1900, 118, 119; *G.C.* 1901, i. 102.—Young, 1900.

**301. P. × Ira** (*superbiens* × *Youngianum*).—Cookson, 1903.

C. × *Youngiano-superbiens*, *G.C.* 1903, ii. 429; *O.R.* 1904, 18.—Cookson.

**302. P. × Irene** (*Boxallii* ♀ × *exul*), *O.R.* 1904, 102.—Fournier, 1903.

C. × (unnamed), *ŷ. S. H. Fr.* 1903, 37; *Rev. H.* 1903, 48.—Fournier.

C. × *Boxalli-exul*, *Bull. Soc. Tosc. Ort.* 1903, 181.—Fournier.

C. × *memoria-Fournieri*, *Dict. Ic. O. Cyp. hyb.* t. 60.—Fournier.

**303. P. × Iris** (*ciliolare* × *Sementa* ♀), *Kerch. Liv. d. O.* 480.—Williams, 1892.

C. × *Iris*, *G.C.* 1892, ii. 566; *R. H. Meas. Cyp.* ed. 2, 115; *ŷard.* 1894, 44; *ŷ. d. O.* v. 8; *ŷ. S. H. Fr.* 1894, 68; 1895, 163, 239.—Bleu.

It is not quite clear whether the plant originally exhibited by Messrs. B. S. Williams & Son is identical with that raised by M. Alfred Bleu, to which the later records refer, as the parentage was not originally stated.

**304. P. × Jacobianum** (*bellatulum* × *Crossianum*).—Baron E. Rothschild, 1894.

C. × *Jacobianum*, *Hans. O. Hyb.* 153.

**305. P. × Janet** (*præstans* ♀ × *Spicerianum*).—Veitch, 1899.

C. × *Janet*, *G.C.* 1899, ii. 197; *O.R.* 1899, 287.

There is a slight doubt about the parentage of this hybrid.

**306. P. × Jean** (*Argus* × *Harrisianum*).—Lesueur, 1899.

C. × *Jean*, *ŷ. S. H. Fr.* 1899, 751.—Lesueur.

C. × *Harrisiano-Argus*, *ŷ. S. H. Fr.* 1902, 501.—Beranek.

**307. P. × Jeanette** (× *Leeanum* ♀ × *niveum*).—Charlesworth, 1897.

C. × *Jeanette*, *G.C.* 1897, i. 278; *O.R.* 1898, 365.

**308. P. × Jensenianum** (*hirsutissimum* × *vexillarium*), *O.R.* 1900, 39; 1905, 71.—Sander, 1898.

C. × *Jensenianum*, *G.C.* 1898, ii. 357; *O.R.* 1898, 374.

**309. P. × Johnsoni** (*philippinense* × *Rothschildianum*).—Statter, 1901.

C × (unnamed), *O.R.* 1901, 318.

**310. P. × Joiceyi** (barbatum ♀ × selligerum).—Joicey, 1893.

C. × selligero-barbatum, *G.C.* 1893, ii. 278.—Joicey.

**311. P. × Joliboisii** (Curtisii × Lowii ♀), *ŷ. R. H. S.* xxvi. 692.—Opoix, 1893.

C. × Souvenir de Roch Jolibois, *ŷ. S. H. Fr.* 1893, 661; *Dict. Ic. O. Cyp.* **hyb. t.** 36.—Opoix.

C. × Svend Brun, *G.C.* 1895, i. 749; *G.M.* 1895, 315; *O.R.* 1900, 126  
*Amer. G.* 1902, 385, **f.** 89.

C. × Svend Brunson, *G.C.* 1896, i. 10.—Sander.



Fig. 61. PAPHIOPEDILUM × JUNO.

**312. P. × Josephianum** (Druryi × Sementa), *Kerch. Liv. d. O.* 480.—Pitcher and Manda, 1891.

C. × Josephianum, *Fl. Exch.* Oct. 17, 1891; *Desb. Cyp.* ed. 2, 277.

**313. P. × Julia** (exul × Lawrenceanum).—Appleton, 1899.

C. × Julia, *G.C.* 1899, ii. 268; *O.R.* 1899, 318; 1902, 276.

**314. P. × Juno** (callosum ♀ × Fairrieanum) *Kerch. Liv. d. O.* 480; *O.R.* 1900, 8; 1905, 17, **f.** 4.—Drewett, 1891.

[See Fig. 61.]



- C. × Juno, *G.C.* 1891, 360; *O.R.* 1893, 327; *G. World*, 1903, 682, f.
- C. × calloso-Fairrieanum, *G.C.* 1896, ii. 534; *O.R.* 1896, 349.—Statter.
- 315. P × Jupiter** (Hookeræ × Rothschildianum).—R. I. Measures, 1895.
- C. × Jupiter, *R. H. Meas. Cyp.* ed. 3, 95 (second entry).
- C. × Y'Mir, *G.C.* 1895, i. 200; *R. H. Meas. Cyp.* ed. 3, 178; *Amer. G.* 1900, 680, 681, f. 144 (v. Hallii)—R. I. Measures.
- C. × Symonsianum, *Boyle Woodl. O.* 200.—R. H. Measures.
- 316. P. × Juturna** (Boxallii × Orpheus), *O.R.* 1900, 118.—Young, 1900.
- 317. P. × Kamilii** (Boxallii × Chamberlainianum ♀).—Froebel, 1900.
- C. × Prince Hussein Kamil, *G.C.* 1900, ii. 424; *O.R.* 1901, 22; *Gartenz.* 1901, 361.—Froebel.
- C. × Chamberlaino-Boxallii, *ŷ. S. H. Fr.* 1900, 256; 1901, 212.—Duval.
- 318. P. × Keelingii** (Chamberlainianum × Parishii).—Keeling, 1903.
- C. × (unnamed), *G.C.* 1903, ii. 411; *O.R.* 1904, 21.
- 319. P. × Kerchoveanum** (barbatum × Curtisii), *Kerch. Liv. d. O.* 480.—Brussels Bot. Garden, 1892.
- C. × Kerchovianum, *G.C.* 1893, i. 132.
- C. × W. H. Young (barbatum ♀), *G.C.* 1900, i. 371.—Wigan.
- 320. P. × Kittelii** (Dayanum ♀ × superbiens).—Kittel, 1890.
- C. × George Kittel, *Gartenfl.* 1890, 311.—Kittel.
- C. × (unnamed), *ŷ. S. H. Fr.* 1896, 699.—Opoix.
- C. × Dayano-Veitchii, *ŷ. S. H. Fr.* 1900, 84.—Opoix.
- This is said to be the first hybrid of the genus raised in Germany.
- 321. P. × Kohinoor** (× Haywoodii × œnanthum ♀), *O.R.* 1903, 247.—Young.
- \* **322. P. × Kramerianum** (× œnanthum ♀ × villosum), *Stein O.* 473.—Sander, 1891.
- C. × Kramerianum, *G.C.* 1891, i. 86; *ŷ.H.* 1891, i. 50; *O.R.* 1893, 326.
- \* C. × villosus-œnanthum, *G.C.* 1899, i. 108; *O.R.* 1899, 94.—E. Ashworth.
- C. × Mrs. Caroline Allen, *R. H. Meas. Cyp.* ed. 3, 195.—McArthur.
- C. × Ernesto, *G.C.* 1903, i. 179; *O.R.* 1901, 119; 1903, 364.—Rehder.
- 323. P. × Krishna** (insigne × tonsum).—Graves, 1895.
- C. × Krishna, *Amer. G.* March 23, 1895; *G.C.* 1895, i. 550; *R. H. Meas. Cyp.* ed. 3, 97; *O.R.* 1904, 351.
- C. × insigne-tonsum, *R. H. Meas. Cyp.* ed. 3, 90; *Sand. O. Guide*, 266.—Sander.
- 324. P. × Kubele** (× œnanthum ♀ × Youngianum); *O.R.* 1901, 271.—Young, 1901.
- C. × Kubele, *G.C.* 1901, ii. 172; *O.R.* 1901, 285; 1903, 282; *Dict. Ic. O. Cyp.* hyb. t. 50.
- 325. P. × Lachesis** (× Crossianum ♀ × marmorophyllum).—Young, 1896.
- C. × Lachesis, *O.R.* 1896, 104; *Dict. Ic. O. Cyp.* hyb. t. 21.
- 326. P. × Lachmee** (ciliolare ♀ × superbiens).—Bleu, 1894.
- C. × Curtisii, *ŷard.* 1894, 171 (not of Rchb. f.); *O.R.* 1894, 307.—Bleu.

C. × (unnamed), *ŷ. S. H. Fr.* 1894, 414 ; 1895, 239.—Bleu.

C. × Lachmee, *G.C.* 1895, i. 199 ; *O.R.* 1895, 319.—R. I. Measures.

**327. P. × La-France** (× *nitens* × *niveum*).—Seeger & Tropp, 1892.

C. × La-France, *Gard.* 1892, i. 48 ; *Monit. H.* 1892, 54, t. ; *Orchidoph.* 1892, 2 ; *O.R.* 1898, 365 ; *Desb. Cyp.* ed. 2, 286.

**328. P. × Laïressei** (*Curtisii* ♀ × *Rothschildianum*), *ŷ. R. H. S.* xxvi. 692.—Sander, 1895.



Fig. 62. PAPHIOPEDILUM × LATHAMIANUM.

C. × A. de Laïresse, *G.C.* 1895, i. 748 ; *O.R.* 1895, 223 ; *Dict. Ic. O. Cyp.* hyb. t. 41 ; *Chron. O.* 362 ; *Desb. Cyp.* ed. 2, 158.—Sander.

C. × M. Georges Magne, *ŷ. S. H. Fr.* 1899, 497.—Peeters.

**329. P. × Lasellei** (× *Leeanum* × *Schlesingerianum*).—Whitin, 1903.

C. × Hildegard Laselle, *Amer. G.* 1903, 27.—Whitin.

**330. P. × Lathamianum** (*Spicerianum* ♀ × *villosum*), *Stein O.* 473 ; *ŷ. R. H. S.* xxiv. 101, f. 19 ; 107, f. 27 ; *O.R.* 1901, 105, f. 18.—Latham, 1888.

[See Fig. 62.]

C. × Lathamianum, *G.C.* 1888, i. 360; *ŷ. H.* 1889, i. 175, f. 27; *Gtfl.* 1889, 528, f. 79; *V. Man. O.* iv. 88; *Lind.* ix. t. 397, f. 2; xvi. t. 732 (v. latiseplum); *Reichenb.* ser. 2, i. 21, t. 10; *Orchidoph.* 1892, 209, t.; *O.R.* 1893, 227; *Desb. Cyp.* ed. 2, 287; *Wien. Ill. Gart. Zeit.* 1898, 237, t. 2, f. 1; *Dict. Ic. O. Cyp.* hyb. t. 28.

C. × Hera, *G.C.* 1890, i. 105; *O.R.* 1893, 295.—R. H. Measures.

C. × Spicero-villosum, *ŷ. S. H. Fr.* 1891, 198; 1894, 68.—Bleu.

C. × Bellona, *G.C.* 1893, ii. 630; *O.R.* 1893, 374.—R. I. Measures.

C. × Rex, *G.C.* 1894, i. 343; *O.R.* 1894, 124, 126; *Desb. Cyp.* ed. 2, 406.

—Hye.

C. × Leo, *G.C.* 1894, i. 84; *O.R.* 1906, 37.—W. R. Lee.

C. × Cellini (villosum ♀), *Chron. O.* 5; *Desb. Cyp.* ed. 2, 114.—Vuylsteke.

C. × Madame Elysée Descombes, *ŷ. S. H. Fr.* 1895, 239; *Rev. H.* 1895, 48; *ŷ. d. O.* vi. 44.—Jolibois.

C. × signatum, *Bull. Cat.* 1895, 7; *Kew Bull.* 1896, App. ii. 9.—Bull.

C. × Bellina, *Bohnh. Dict. O. Hyb.* 12.—R. I. Measures.

C. × nobilius, *ŷ. S. H. Fr.* 1896, 111.—Bleu.

C. × Margueritæ, *ŷ. S. H. Fr.* 1897, 132; *Chron. O.* 157.—Opoix.

C. × Thompsoni, *G.C.* 1898, i. 191; *Sand. O. Guide*, 337.—Gratrix.

C. × Albert Hye, *G.C.* 1898, ii. 446; *R. H. Meas. Cyp.* ed. 3, 179.—Sander.

C. × villosus-Spicerianum, *ŷ. S. H. Fr.* 1900, 118.—Peeters.

✓ C. × Œdipe, *ŷ. S. H. Fr.* 1901, 212.—Magne.

C. × Rosa Bonheur, *Rev. H. Belge*, 1901, 95.—Smet-Duvivier.

C. × (unnamed), *Gartenz.* 1902, 205, f.

C. × Felix Putzeys, *Rev. H. Belge*, 1903, 71; *G. World*, 1903, 174.—

Janssens & Putzeys.

- C. × antwerpiense, *Gard.* 1903, i. 288.—Janssens & Putzeys.

331. P. × Lauræ (× superciliare ♀ × villosum), *Kerch. Liv. d. O.* 480.—Sander, 1892.

C. × Mrs. G. D. Owen, *G.C.* 1892, ii. 312; *O.R.* 1893, 11. 359.—Sander.

C. × Lauræ, *O. R.* 1894, 80.—R. le Doux.

\* 332. P. × Lawrebel (bellatulum × Lawrenceanum ♀), *Kerch. Liv. d. O.* 480.—Lawrence, 1892.

C. × Lawrellum, *G.C.* 1892, i. 502, 503.—Lawrence.

\* C. × Lawrebel, *G.C.* 1892, i. 560, 561, f. 82; *ŷ. H.* 1892, i. 295, f. 50; *Lind.* x. t. 407; *O. Alb.* xi. t. 498; *O.R.* 1893, 15, 359; *Desb. Cyp.* ed. 2, 290.—Lawrence.

C. × Lansbergeæ, *Lind.* xvi. t. 727; *ŷ. R. H. S.* xxvi. 923.—Linden. C. Boxallii is given as the second parent, but there is no evidence of this, either in leaf or flower.

\* 333. P. × Leander (× Leeaanum ♀ × villosum), *ŷ. R. H. S.* xxvi. 923.—R. H. Measures.

✓ C. × Leander, *R. H. Meas. Cyp.* ed. 2, 69; *G.M.* 1902, 42, 68, f. (Cambridge Lodge v.); *O.R.* 1902, 50.

C. × Janus, *Gard. & For.* 1895, 64; *Hans. O. Hyb.* 299.—Pitcher & Manda.

C. × Leonidas (villosum ♀), *G.C.* 1897, i. 115; *O.R.* 1897, 94.—Veitch.

- C. × Mrs. E. G. Uihlein, *G.C.* 1897, i. 51 ; *Boyle Woodl. O.* 195.—Sander.  
 C. × Bessie K. Pitcher, *Hans. O. Hyb.* 298 —Pitcher & Manda.  
 C. × Lady Wimborne, *G.C.* 1896, ii. 766 ; *Desb. Cyp.* ed. 2, 284.—Sander.  
 C. × St. Mark, *G.M.* 1895, 769 ; *Sand. O. Guide*, 357.—Palmer.  
 C. × Saturn, *Desb. Cyp.* ed. 2, 419.—Sander.  
 C. × Dreherianum, *R. H. Meas Cyp.* ed. 3, 52.—Sander.  
 C. × villosa-Leeanum, *ŷ. S. H. Fr.* 1899, 45.—Cappe.  
 C. × Leeaanum var. Simonei, *ŷ. S. H. Fr.* 1899, 45.—Cardoso.  
 C. × Leeano-villosum, *ŷ. S. H. Fr.* 1900, 112.—Opoix.  
 C. × Borchgraveanum, *Lind.* xv. t. 715.—Linden.  
 C. × Drapsianum, *Lind.* xvi. t. 724. —Draps-Dom.  
 C. × Stepmanix, *Lind.* xvi. t. 765 ; *O.R.* 1902, 159.—Stepman.

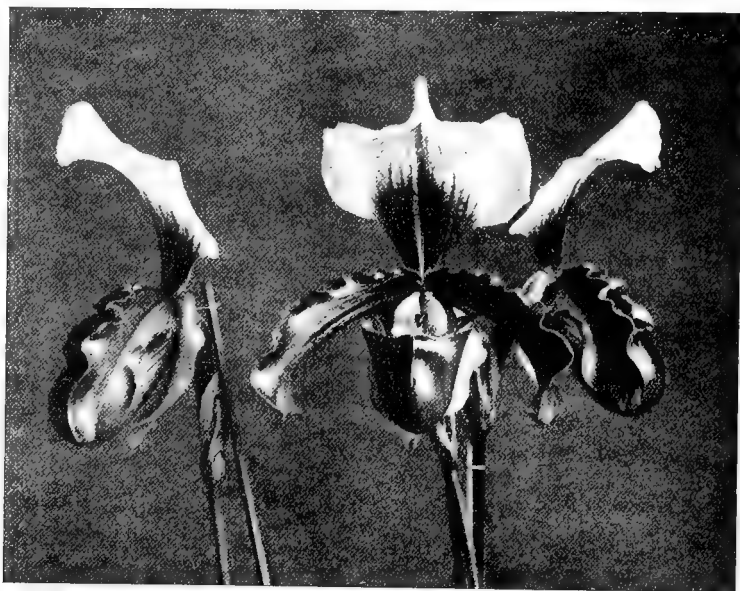


Fig. 63. PAPHIOPEDILUM × LEEANUM.

- C. × Exselsior, *Rev. H. Belge*, 1901, 71.—Stepman.  
 C. × Mme. Stepman, *Rev. H. Belge*, 1901, 71.—Stepman.  
 C. × Mons. Galpin, *Sand. O. Guide*, 336.  
 C. × Neron, *Sand. O. Guide*, 336.  
 C. × Hoogendyckeanum, *G.C.* 1902, i. 118.—Stepman.  
 C. × Ridolfianum, *ŷ. S. H. Fr.* 1902, 140 ; *ŷard.* 1902, 63.—Duval.  
 C. × De Mesmaeckerianum, *Rev. H. Belge*, 1903, 71 ; *G. World*, 1903, 174.—Stepman.  
 • 334. P. × **Lebaudianum** (*Haynaldianum* × *philippinense* ♀).—Lebaudy, 1895.  
 C. × Lebaudianum, *ŷ. S. H. Fr.* 1895, 338, 345 ; *Rev. H.* 1895, 360 ; *Lind.* xii. t. 529 ; *O.R.* 1897, 63 ; *Amer. G.* 1902, 385, 387, f. 90.

• **335. P. × Ledouxiæ** (callosum × Harrisianum), *Kerch. Liv. d. O.* 480.—G. Ledoux, 1893.

C. × Ledouxiæ, *G.C.* 1893, i. 336; *O.R.* 1893, 117.

C. × Hayetti, *K. H. Meas. Cyp.* ed. 2, 49.—Shuttleworth.

C. × Titanes, *R. H. Meas. Cyp.* ed. 2, 116.—R. H. Measures.

C. × Savoyanum, *ŷ. S. H. Fr.* 1893, 185.—Regnier.

• C. × Triomphe de Watermael, *Dict. Ic. O. Cyp. hyb.* t. 28.—Duchesne and Lanthoine. Parentage not recorded, but apparently belongs here.

**336. P. × Leeæ** (× Arthurianum × Leeanum ♀).—Lee, 1893.

C. × Mary Lee, *G.C.* 1893, ii. 692; *O.R.* 1894, 29.—Lee.

C. × Jamesonianum *G.C.* 1896, i. 210; *O.R.* 1896, 96.—Statter.

• **337. P. × Leeanum** (insigne ♀ × Spicerianum), *Stein. O.* 474; *O.R.* 1899, 17, f. 1 (v. giganteum); 1902, 25, f. 3; *ŷ. R. H. S.* xxiv. 108, f. 29 (v. superbum).—Veitch, 1884. [See Fig. 63.]

• C. × Leeanum, *G.C.* 1884, i. 50, 140; *Orchidoph.* 1885, 238, 240, t. (v. superbum); *O. Alb.* v. t. 223; *Lind.* iii. t. 125; *ŷ.H.* 1885, 83, f. 14; *Rev. H. Belge*, 1885, 232, f. (v. superbum); *Ill. H.* 1889, 23, t. 77; *Reichenb.* ser. 2. ii. 19, t. 57 (v. giganteum); *V. Man. O.* iv. 88, 89, f. (v. superbum); *G.M.* 1892, 48, f. (v. giganteum); *O.R.* 1893, 101; *Dict. Ic. O. Cyp. hyb.* t. 3 (type), 3 A. (v. Albertianum); *Lind.* xvii. t. 776 (v. Alexandræ); *Desb. Cyp.* ed. 2, 300-307 (many vars.).

C. × Masereelianum, *Ill. H.* 1889, 23, t. 77.—Vervaet.

• C. × Albertianum (Spicerianum ♀), *G.C.* 1892, ii. 672; *Rev. H. Belge*, 1892, 279; 1893, 3, t. 1; *O.R.* 1893, 58; *Lind.* xvi. 81, 93, t. 734 (v. rotundiflorum).—Hye.

C. × Ashworthiæ, *G.C.* 1893, ii. 630; *O.R.* 1893, 375; *ŷ.H.* 1894, i. 197, f. 33; *G.M.* 1893, 705, f.—E. Ashworth.

Parentage recorded as C. × Leeanum × selligerum, but we cannot trace the latter in the flower.

C. × Engelhardtia, *Lind.* vi. t. 285; *Boyle Woodl. O.* 193.—Linden.

C. × Yvonnæ, *Ill. H.* 1895, 23, t. 26; *O.R.* 1895, 93.—Linden.

C. × Robertianum, *Desb. Cyp.* ed. 2, 408.—Hye.

C. × Valerandi, *Lind.* v. 100.—Vallerand.

C. × trentonense, *Hans. O. Hyb.* 158.—Pitcher & Manda.

C. × Vervaeti, *Charlesw. Cat. ex. Hans. O. Hyb.* 299.—Charlesworth.

C. × Claudi, *Bohnh. Dict. O. Hyb.* 14; *Sand. O. Guide*, 263.

• C. × Prospero, *G.C.* 1897, i. 51.—Veitch.

C. × Ansorge Klein Flotbeck, *Gartenwelt*, 1902.

C. × (unnamed), *Gartenz.* 1902, 205, f.

C. × (unnamed), *Wien. Ill. Gart. Zeit.* 1898, 237, t. 2, f. 2.

C. × Philomene, *G.M.* 1903, 272.—Janssens & Putzeys. Parentage somewhat uncertain.

**338. P. × Leemanni** (× Bruno × Leeanum).—Leemann, 1900.

C. × (unnamed), *O.R.* 1900, 79; 1901, 26.

Intermediate between P. × Leeanum and P. × Bruno, being composed of ten parts P. Spicerianum and six parts P. insigne.

- 339. P. × Lendyanum** (Boxallii ♀ × Canhami).—Ingram, 1894.  
C. × Captain Lendy, *G.C.* 1894, i. 211; *O.R.* 1894, 93.—Ingram.
- 340. P. × Leonæ** (callosum × insigne), *Kerch. Liv. d. O.* 480.—Linden, 1892.  
C. × Leonæ, *Lind.* viii. t. 360; *G.C.* 1893, ii. 342; *O.R.* 1893, 57, 318.  
C. × Van Imschootianum, *Rev. H. Belge*, 1892, 262; *Amer. G.* 1902, 103, f. 25.—Moens.  
C. × Robertsianum, *G.C.* 1894, ii. 605; *O.R.* 1894, 375.—Lewis.  
C. × Gautieri, *Ÿ. S. H. Fr.* 1897, 844.—Lebaudy.  
C. × Reynaldianum, *Sand. Cat.* 1896, 24, ex. *Hans. O. Hyb.* 296; *Desb. Cyp.* ed. 2, 407 (“Reynoldianum”).—Sander.
- 341. P. × leopardinum** (Argus × nitens).—Paynter, 1899.  
C. × leopardinum, *G.C.* 1899, i. 98; *O.R.* 1902, 174.  
The name C. × leopardinum originated in 1895 (*Bohnh. Dict. O. Hyb.* 23), but as neither parentage nor raiser were given the plant remains doubtful.
- 342. P. × Lewisii** (Dayanum × Harrisianum).—Lewis, 1893.  
C. × (unnamed), *G.C.* 1893, ii. 747.—Lewis.
- 343. P. × liegense** (× calophyllum ♀ × vexillarium).—Lairesse, 1896.  
C. × Phœbe, *Lairesse Cat.* ex. *O.R.* 1896, 38.—Lairesse.
- 344. P. × Lily** (Dayanum ♀ × niveum).—R. H. Measures, 1898.  
C. × Lily Measures, *O.R.* 1898, 293.—R. H. Measures.  
C. × William Pitt, *G.C.* 1902, i. 219; *O.R.* 1902, 116.—The parentage of this is doubtful, and has been suspected to be P. Dayanum and P. Tautzianum.
- 345. P. × Lincolnii** (× Niobe × orphanum).—Oakes Ames, 1900.  
C. × Abraham Lincoln, *Amer. G.* 1900, 240.—Oakes Ames.
- 346. P. × Little-Gem** (× Harrisianum ♀ × Schröderi), *O.R.* 1905, 108, f. 25.—Veitch, 1903. [See Fig. 64.]  
C. × Little-Gem, *G.C.* 1903, i. 270; ii. 310; *O.R.* 1903, 154, 341.
- 347. P. × Llangattockiaë** (Lawrenceanum × selligerum ♀).—Llangattock, 1901.  
C. × Lady Llangattock, *G.C.* 1901, i. 272; *O.R.* 1901, 155.—Llangattock.  
C. × Kelpie, *G.C.* 1902, i. 357.—Wellesley.
- 348. P. × Lloydiaë** (× Godefroyæ ♀ × venustum).—Sander, 1896.  
C. × Said Lloyd, *G.C.* 1896, i. 83; *O.R.* 1896, 64; *Boyle Woodl. O.* 1901, 191.—Sander.  
C. × Lloydiaë, *O.R.* 1896, 83.—Sander.
- 349. P. × Lœwegrenianum** (× Io × Spicerianum), *Kerch. Liv. d. O.* 480, —Sander, 1893.  
C. × Lœwegrenianum, *Hans. O. Hyb.* 158; *Desb. Cyp.* ed. 2, 315; *O.R.* 1897, 317.  
C. × Io-Spicerianum, *G.C.* 1893, ii. 756; *O.R.* 1894, 31, 143.—Vanner.
- 350. P. × longwoodense** (Charlesworthii × Leeaanum).—Duval, 1900.  
C. × Leeano-Charlesworthii, *Ÿ. S. H. Fr.* 1900, 118.—Duval.  
C. × longwoodense, *Amer. G.* 1901, 350, f. 76; 366.—Rothwell.

C. × *Charlesworthii*-*Leeanum*, *J. S. H. Fr.* 1901, 1062.—Cappe.

C. × *optimum*, *G.C.* 1902, ii. 430.—Tunstill.

C. × *Holbrook Gaskell*, *G.C.* 1903, i. 210.—Gaskell.

**351. P. × loochristiense** (× *Harrisianum* ♀ × *Hookeræ*).—Vuylsteke, 1895.

C. × *loochristianum*, *G.C.* 1895, i. 100; *Rev. H. Belge*, 1895, 40; *Desb. Cyp.* ed. 2, 313; *O.R.* 1895, 94.

C. × *Mira*, *Desb. Cyp.* ed. 2, 343.—Vuylsteke.

C. × *Harrisianum* v. *robustum*, *Desb. Cyp.* ed. 2, 216.—Vuylsteke.

C. × *H. E. Moojen*, *R. H. Meas. Cyp.* ed. 3, 190.—R. H. Measures.

C. × *loochristiense*, *J. S. H. Fr.* 1899, 45.—Duval.

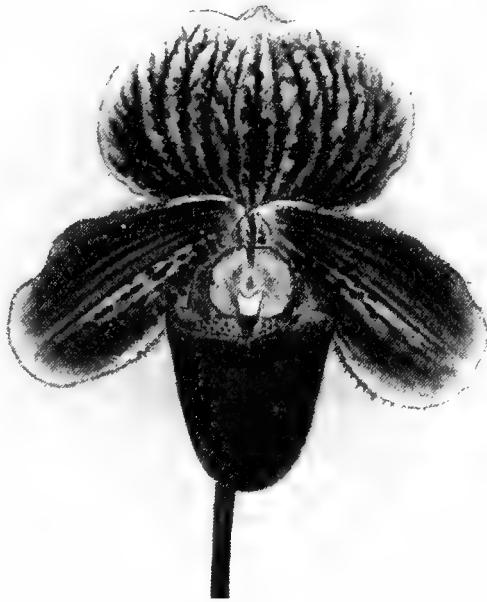


Fig. 64. PAPHIOPEDILUM × LITTLE GEM, WESTFIELD VAR.

**352. P. × Louisæ** (× *Ashburtonæ* × *Leeanum*), *Le Doux*, 1895.

C. × *Louisæ*, *O.R.* 1895, 50.

There is a slight doubt about the parentage.

**353. P. × Lowryanum** (× *Ashburtonæ* × *vernixium*), *Kerch. Liv. d. O.* 480.—Sander, 1892.

C. × *Lowryanum*, *G.C.* 1892, i. 88; *Hans. O. Hyb.* 159; *O.R.* 1896, 361.

The date is wrongly given by Hansen.

**354. P. × lucidum** (*Lowii* ♀ × *villosum*). *Kerch. Liv. d. O.* 480.—Veitch, 1877.

C. × *lucidum*, *G.C.* 1877, ii. 521; *O.R.* 1893, 68.

C. × Prince di Venose, *Gard.* 1895, i. 296.—Prince di Venose.

C. × senonense (villosum ♀), *ŷ. S. H. Fr.* 1896, 111.—Gibez.

C. × Lowii-villosum, *Desb. Cyp.* ed. 2, 316.—Madoux.

**355. P. × Lucie** (ciliolare × Lawrenceanum ♀), *Kerch. Liv. d. O.* 480 ; *O.R.* 1904, 345, f. 48 (v. Smithii).—Moreau, 1892. [See Fig. 65.]

C. × Lucie, *Orchidoph.* 1892, 17, t.

C. × Smithii, *G.C.* 1893, ii. 756 ; *O.R.* 1894, 31.—Low.

C. × (unnamed), *ŷ. S. H. Fr.* 1895, 163.—Opoix.

**356. P. × Lumsdenii** (barbatum ♀ × Charlesworthii).—Lumsden, 1899.

C. × barbato-Charlesworthii, *G.C.* 1899, i. 3 ; *O.R.* 1899, 48.—Lumsden.

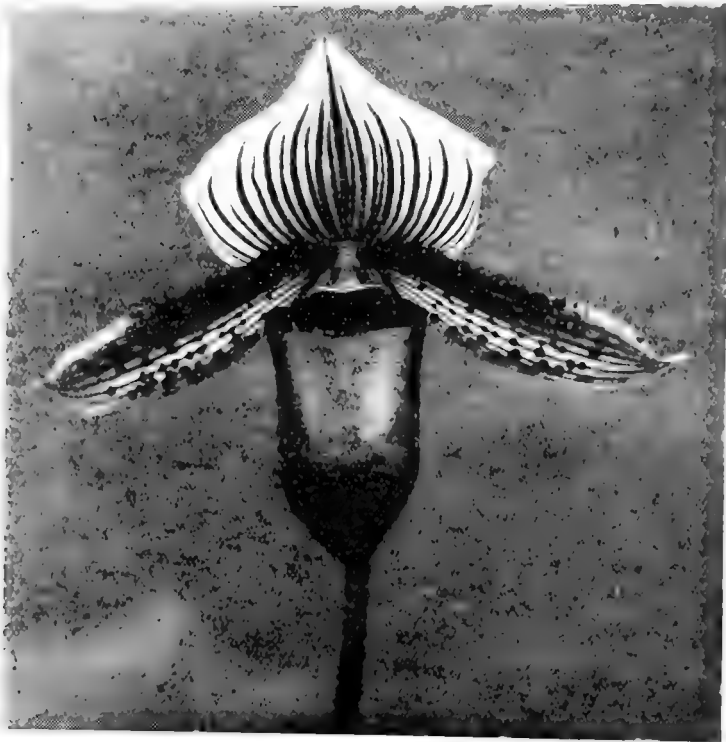


Fig. 65. PAPHIOPEDILUM × LUCIE VAR. SMITHII.

**357. P. × luridum** (Lawrenceanum × villosum), *Kerch. Liv. d. O.* 480.—Garden, 1890.

C. × grande, *ŷ. S. H. Fr.* 1890, 202.—Garden.

C. × luridum, *Fl. Exch.* Jan. 9, 1892 ; *Desb. Cyp.* ed. 2, 318.—Pitcher & Manda.

C. × (unnamed), *ŷ. S. H. Fr.* 1898, 169.—Cappe.

**358. P. × lutescens** (javanicum × Spicerianum ♀), *Kerch. Liv. d. O.* 480.—Lebaudy, 1890.

C. × javanico-Spicerianum, *Orchidoph.* 1891, 287 ; *Desb. Cyp.* ed. 2, 274.—Lebaudy.



- C. × *lutescens*, *Gard. & Forest*, 1892, 598; *O.R.* 1893, 51.—Lebaudy.
- 359. P. × Lynchianum** (× *selligerum* × *Spicerianum* ♀), *Kerch. Liv. d. O.* 480.—Sander, 1892.
- C. × *Lynchianum*, *G.C.* 1892, ii, 744; *O.R.* 1893, 31.
- C. × *Ariadne*, *G.C.* 1893, ii, 630; *O.R.* 1893, 375.—Statter.
- C. × *Euphrosyne*, *G.C.* 1895, i, 82; *O.R.* 1895, 63.—Statter.
- P. × *Ariadne*, *O.R.* 1898, 243.—Statter.
- P. × *Euphrosyne*, *O.R.* 1898, 243.—Statter.
- **360. P. × Mabeliæ** (*Rothschildianum* × *superbiens* ♀), *O.R.* 1902, 349.—Lee, 1894.
- C. × *Mabelianum*, *G.C.* 1894, ii, 194; *O.R.* 1894, 287; 1895, 294.—W. C. Clarke.
- C. × W. R. Lee, *G.C.* 1894, ii, 194; *O.R.* 1894, 287, 309; 1895, 294; *G.M.* 1901, 194, 195, f. (Sander's var.); *Amer. G.* 1900, 617, f. 132 (v. Oakes Ames).—Lee.
- C. × Lord Derby, *G.C.* 1895, ii, 192, 357, 358, f. 66; *O.R.* 1895, 287, 293; *ŷ.H.* 1901, i, 255, f. (Sander's var).—Statter.
- C. × *Andronicus*, *Gard.* 1895, ii, 51; *O.R.* 1895, 294.—R. H. Measures.
- C. × *Mabeliæ*, *O.R.* 1895, 293, 294.—W. C. Clarke.
- C. × Mrs. Harry Smith, *G.C.* 1899, ii, 233.—Charlesworth.
- C. × *Rothschildiano-superbiens*, *G.C.* 1900, i, 143; *O.R.* 1900, 251.—Lawrence.
- 361. P. × Macfarlaneum** (*Lawrenceanum* × *Lowii* ♀).—Lewis, 1892.
- C. × *Macfarlaneum*, *G.C.* 1892, ii, 75; *O.R.* 1894, 37.—Lewis.
- C. × *Patersonii*, *R. H. Meas. Cyp.* ed. 2, 85; *G.C.* 1894, ii, 49; *O.R.* 1894, 255.—Lewis.
- 362. P. × Macfarlanei** (× *calophyllum* ♀ × *Spicerianum*), *Kerch. Liv. d. O.* 480.—Sander, 1891.
- C. × *Macfarlanei*, *G.C.* 1891, ii, 300; *O.R.* 1893, 326.
- C. × *Amandinæ*, *ŷ. S. H. Rhone*, March 30, 1897, f.; *ŷ. S. H. Fr.* 1897, 493. Combet et Bierry.
- 363. P. × macropterum** (*Lowii* ♀ × *superbiens*), *Stein O.* 476.—Veitch, 1882.
- C. × *macropterum*, *G.C.* 1882, ii, 552; *O.R.* 1893, 100; *O.A.* ix, t. 391; *V. Man. O.* iv, 90; *Day O. Draw.* xxxvii, t. 3.
- C. × *Lowii-superbiens*, *R. H. Meas. Cyp.* ed. 2, 70.—Lawrence.
- 364. P. × maculatum** (× *Leeanum* × *tonsum* ♀).—Sander, 1892.
- C. × *maculatum*, *G.C.* 1892, ii, 744; *ŷ. S. H. Fr.* 1896, 1003.—Cardoso.
- 365. P. × Madeline** (*Argus* × *bellatulum*).—Palmer, 1895.
- C. × *Madeline*, *G.C.* 1895, ii, 655; *O.R.* 1896, 30.
- **366. P. × Madiotianum** (*Chamberlanianum* × *villosum* ♀), *O.R.* 1899, 47, 132.—Cappe, 1898.
- C. × *villosa-Chamberlanianum*, *ŷ. S. H. Fr.* 1898, 168, 352; 1900, 83; *Chron. O.* 159.—Duval.

- C. × Madiotianum, *R. H. Meas. Cyp.* ed. 3, 195.--Cappe.
- C. × Madioti, *ŷ. S. H. Fr.* 1899, 374 ; 1900, 591 ; *Dict. Ic. O. Cyp.* hyb, t. 58.—Cappe.
- \*C. × Mansellii, *G.C.* 1899, i. 288 ; *O.R.* 1899, 132, 155 ; 1902, 124.—Charlesworth.
- 367. P. × Magnei** (Lawrenceanum ♀ × Leeenanum).—Magne, 1900.
- C. × Paul Magne, *ŷ. S. H. Fr.* 1900, 765.—Magne.
- 368. P. × magnificum** (insigne × Pollettianum), *O.R.* 1900, 30.—Keeling, 1899.
- C. × magnificum, *O.R.* 1899, 370.
- \***369 P. × Mahleræ** (Lawrenceanum × Rothschildianum ♀), *O.R.* 1898, 271 ; 1901, 345.—R. H. Measures, 1898.
- C. × Wiertzianum, *Sem. H.* 1898, 425 ; *G.C.* 1899, i. 77 ; *O.R.* 1899, 92 ; 1900, 254 ; *Lind.* xiv. t. 644.—Linden.
- P. × Wiertzianum, *O.R.* 1898, 335.—Linden.
- \*C. × Mahleræ, *Desb. Cyp.* ed. 2, 329 ; *Dict. Ic. O. Cyp.* hyb. t. 42 (v. Dr. Clinge Doorenbos).—R. H. Measures.
- C. × Gabari, *G.C.* 1899, ii. 58 ; *O.R.* 1899, 249, 254.—Sander.
- C. × Alport, *O.R.* 1899, 284.—Gratrix.
- \*C. × tixallense, *O.R.* 1900, 112.—Bostock.
- \*C. × Docteur Clinge Doorenbos, *ŷ. S. H. Fr.* 1900, 118, 413 ; 1902, 229.—Peeters.
- C. × Rothschildiano-Lawrenceanum, *G.C.* 1900, ii. 58 ; *O.R.* 1900, 251, 254.—Lawrence.
- 370. P. × Malyanum** (× Crossianum × Spicerianum ♀), *Kerch. Liv. d. O.* 481.—Sander, 1891.
- C. × Malyanum, *G.C.* 1891, ii. 591 ; *O.R.* 1893, 327.
- C. × Ashworthianum, *R. H. Meas. Cyp.* ed. 2, 9.—Sander.
- C. × Krouseanum, *R. H. Meas. Cyp.* ed. 2, 63.—Pitcher.
- 371. P. × Mandæ** (insigne × javanicum ♀).—Pitcher & Manda, 1893.
- C. × javanico-insigne, *Hans. O. Hyb.* 1895, 255.—Pitcher & Manda.
- 372. P. × Mantinii** (× alnum × Swanianum).—Mantin, 1897.
- C. × (unnamed), *Rev. H.* 1897, 282 —Mantin.
- 373. P. × Manto** (Chamberlainianum × Harrisianum), *O.R.* 1900, 183.—Cappe, 1899.
- C. × Harrisiano-Chamberlainianum, *ŷ. S. H. Fr.* 1899, 56.—Cappe.
- C. × Harri-Chamber, *Chron. O.* 292.—Cappe.
- C. × Manto, *Dict. Ic. O. Cyp.* hyb. t. 64.—Young.
- 374. P. × Mapleæ** (× Gowerianum × Youngianum ♀).—Sander, 1899.
- C. × Lady Maple, *G.C.* 1899, ii. 58 ; *O.R.* 1899, 254.—Sander.
- 375. P. × Marchandii** (concolor × superciliare).—Duval, 1900.
- C. × Colonel Marchand, *ŷ. S. H. Fr.* 1900, 264.—Duval.
- 376. P. × Margaritæ** (barbatum × Crossianum).—Mantin, 1894.
- C. × Margaritæ, *ŷ. S. H. Fr.* 1894, 582 ; 1895, 178, 240.

C. × Marguerite Mantin, *Jard.* 1895, 52; *G.C.* 1895, i. 370; *Hans. O. Hyb.* 1895, 160.—Mantin.

C. × Dauthieri violaceum purpureum, *J. S. H. Fr.* 1894, 68; *Jard.* 1895, 52; *G.C.* 1895, i. 370.—Opoix.

**377. P. × marmorophyllum** (barbatum × Hookeræ ♀), *Stein. O.* 476.—Veitch, 1876.

C. × marmorophyllum, *G.C.* 1876, ii. 130; *O.R.* 1893, 40; *V. Man. O.* iv. 90; *Day O. Draw.* xxxii. t. 9.

C. × patens, *G.C.* 1877, ii. 456; *O.R.* 1893, 68.—Veitch.

**378. P. × Marshallianum** (concolor × venustum ♀) *Stein. O.* 476.—Veitch, 1875.



Fig. 66. PAPHIOPEDILUM × MAUDIE.

C. × Marshallianum, *G.C.* 1875, ii. 804; 1887, i. 513, f. 99; *O. A.* ix. t. 418; *O.R.* 1893, 39; *V. Man. O.* iv. 91; *Hans. O. Hyb.* 161.

**379. P. × Marwoodii** (× Harrisianum × niveum ♀), *Stein O.* 477.—Marwood, 1890.

C. × Marwoodii, *G.C.* 1890, ii. 252.

C. × Lady Roberts, *G.C.* 1900, ii. 313; *O.R.* 1900, 348.—Appleton.

C. × (unnamed), *Jard.* 1903, 64; *Rev. H.* 1903, 118.—Debille.

C. × Harrisiano-superbum × niveum v. Leon Duval, *J. S. H. Fr.* 1903, 71.—Duval.

\* **380. P. × Mary-Beatrice** (bellatulum × Gowerianum ♀). Charlesworth, 1900.

\* C. × Mary Beatrice, *G.C.* 1900, i. May 26, suppl. 1; *O.R.* 1900, 174, 175.—Charlesworth.

**381. P. × Massaianum** (Rothschildianum × superciliare ♀), *Kerch. Liv. d. O.* 481.—Sander, 1893.

C. × Massaianum, *G.C.* 1893, ii. 70, 267, f. 48; *O.R.* 1893, 225, 245, 255; *Gard.* 1896, ii. 89 (“Masseanum”).

**382. P. × Matthewsii** (Lawrenceanum × Mastersianum).—Charlesworth, 1899.

C. × Eros, *O.R.* 1899, 155.—Charlesworth.

C. × Lawreaceano-Mastersianum, *O.R.* 1899, 254. — Low.

C. × William Matthews, *G.C.* 1902, ii. 143; *O.R.* 1902, 276. — Sander.

\* **383. P. × Maudiaë** (callosum × Lawrenceanum ♀), *O.R.* 1901, 17, f. 4; 1906, 207.—Charlesworth, 1900. [See Fig. 66.]

C. × Maudiaë, *O.R.* 1900, 308; 1906, 125; *G.M.* 1900, 771, f.; *G.C.* 1901, ii. 129, f. 41 (v. magnificum); *ŷ.H.* 1901, ii. 121, f. (id.).

P. Maudiaë was originally derived from the albino forms, P. Lawrenceanum Hycanum and P. callosum Sanderæ. The normal coloured form did not appear until 1906.

**384. P. × May** (callosum ♀ × Sanderianum).—Sander, 1895.

C. × Princess Mary, *Gard.* 1895, ii. 52.—Sander.

C. × Princess May, *Boyle. Woodl. O.* 201.—Sander.

C. × Sanderiano-callosum, *Sand. O. Guide*, 337.

**385. P. × Measuresiaë** (bellatulum × superbians ♀), *Kerch. Liv. d. O.* 481.—Sander, 1893.

C. × Measuresiaë, *R. H. Meas. Cyp.* ed. 2, 75; *Hans. O. Hyb.* 1895, 162.

C. × Mrs. Fred Hardy, *G.C.* 1895, i. 81, 111, f. 16; *G.M.* 1895, 27, f.; *ŷ.H.* 1895, i. 111, f. 18; *O.R.* 1895, 64; *Dict. Ic. O. Cyp. hyb.* t. 67.

C. × Cravenianum, *G.C.* 1897, i. 451; *O.R.* 1898, 26; *Desb. Cyp.* ed. 2, 143.—Law-Schofield.

C. × (unnamed), *G.C.* 1894, i. 654.—Prewett.

**386. P. × Measuresianum** (venustum × villosum), Stein O. 477.—Williams, 1887.

C. × Measuresianum, *O.A.* vii. t. 304; *ŷ.H.* 1888, ii. 47, f. 5; *Rev. H. Belge*, 1888, 266, 267, f. 26; *V. Man. O.* iv. 91; *ŷ. S. H. Fr.* 1893, 812; *Will. O. Gr. Man.* ed. 6, 281, f.

C. × Rowallianum, *G.C.* 1891, i. 21; 1895, i. 201.—Fraser.

C. × Madame Gibez, *Orchidoph.* 1893, 67; *O.R.* 1893, 211.—Gibez.

C. × Amesianum, *O.A.* viii. t. 340; *Will. O. Gr. Man.* ed. 6, 229; *Desb. Cyp.* ed. 2, 49.—Williams.

C. × Julien Coffigniez, *ŷ. S. H. Fr.* 1894, 314; *ŷard.* 1895, 53; *G.C.* 1895, i. 370.—Opoix.

C. × Thetis, *R. H. Meas. Cyp.* ed. 2, 102; *Bohm. Dict. O. Hyb.* 32; *Hans. O. Hyb.* 162.—Harris.

C. × refulgens, *G.C.* 1895, i. 210; *O.R.* 1896, 35.—Burton.

- C. × Gibeziatum, *ŷ. S. H. Fr.* 1896, 111; *Lind.* ix. t. 425.—Gibez.
- C. × venusto-villosum, *Sem. H.* 1897, 459; *Desb. Cyp.* ed. 2. 461.—Sallier.
- 387. P. × Medeia** (hirsutissimum × Spicerianum ♀), *Stein. O.* 477. Latham, 1889.
- C. × Medeia, *ŷ. R. H. S.* xii. *Proc.* 171; *G.C.* 1892, ii. 712 (v. monstrosa); 1896, ii. 686 (id.); *O.R.* 1896, 360 (id.); *Hans. O. Hyb.* 70 (id).—Veitch.
- C. × Ceres, *G.C.* 1891, i. 360; *ŷ. d. O.* ii. 37; *O.R.* 1893, 327.—Drewett.
- C. × Van Molianum, *ŷ. d. O.* i. 251; *G.C.* 1892, i. 502.—Miteau.
- C. × Huybrechtianum, *Rev. H. Belge.* 1892, 117; *G.C.* 1892, i. 554.—Vervæet.
- C. × fascinatium, *G.C.* 1893, ii. 756; *Rev. H. Belge.* 1894, 25, t.; *O.R.* 1894, 28, 30.—Hye.
- C. × Sirius, *R. H. Meas. Cyp.* ed. 2, 99.—Sander.
- C. × Spicero-hirsutissimum, *Bohnh. Dict. O. Hyb.* 32.
- C. × Steurbauti, *Desb. Cyp.* ed. 2, 439.—Vervæet.
- P. × Ceres, *ŷ. R. H. S.* xxiv. 100, f. 17 (v. medea).—Drewett.
- The first seedling, raised by Mr. Latham, had a constantly abnormal flower.
- 388. P. × medium** (Druryi × nitens).—Hye, 1898.
- C. × medium, *Desb. Cyp.* ed. 2, 335.
- 389. P. × Melanthus** (Hookeræ × Stonei), *Keich. Liv. d. O.* 481. —Veitch, 1893.
- C. × Melanthus, *O.R.* 1893, 147.
- 390. P. × Melia** (× Calypso × insigne), *O.R.* 1902, 61.—Wrigley, 1902.
- C. × (unnamed), *Gard.* 1903, i. Jan. 17, *Suppl.* vii.—Joicey.
- 391. P. × Memnon** (Charlesworthii × Spicerianum ♀).—Veitch, 1900.
- C. × Memnon, *G.C.* 1900, ii. 384; *O.R.* 1900, 373.
- C. × radians, *G.C.* 1901, ii. 401; *O.R.* 1901, 367; 1902, 14, 15.—Keeling.
- P. × radians, *O.R.* 1903, 30.—Keeling.
- 392. P. × Menelik** (Boxallii × Calypso), *O.R.* 1903, 92; 1904, 120.—Keeling, 1901.
- C. × Menelik, *G.C.* 1901, ii. 401; *O.R.* 1901, 367.
- P. × (unnamed), *O.R.* 1902, 124.—Vanner.
- 393. P. × Merope** (Chamberlainianum × hirsutissimum), *O.R.* 1903, 59.—Appleton, 1903.
- 394. P. × Metis** (Boxallii ♀ × philippinense).—Veitch, 1895.
- C. × Metis, *G.C.* 1895, ii. 307; *O.R.* 1895, 320.
- 395. P. × microchilum** (Druryi × niveum ♀) *Stein O.* 477.—Veitch, 1882.
- C. × microchilum, *G.C.* 1882, i. 77; *V. Man. O.* iv. 92, f.; *Lind.* ii. t. 50; *O.R.* 1893, 100; *Dict. Ic. O. Cyp. hyb.* t. 17; *Day O. Draw.* xli. t. 59; xlvi. t. 21.
- C. × niveo-Druryi, *Sand. O. Guide*, 336.
- 396. P. × Millmanii** (callosum ♀ × philippinense).—Hollington, 1894.
- C. × Millmanii, *G.C.* 1894, ii. 103; 1895, i. 800; *O.R.* 1894, 285.
- C. × calloso-laevigatum, *Hans. O. Hyb.* 163.—Hollington.
- 397. P. × Milo** (insigne ♀ × œnanthum).—Veitch, 1894.

C. × Milo, *G.C.* 1894, ii. 70; *O.R.* 1895, 30; *J.H.* 1899, ii. 503, f. 89 (Westonbirt var.); *G.C.* 1899, ii. 413, f. 131 (id.).

**398. P. × *miniatum*** (Curtisii ♀ × *insigne*).—Sander, 1895.

C. × *miniatum*, *Gard.* 1895, i. 50; *G.C.* 1895, i. 199; *O.R.* 1896, 38; 1900, 351.

C. × *Atalanta*, *Charlesworth Cat.* March, 1901; *Sand. O. Guide*, 334 (second entry).—Charlesworth.

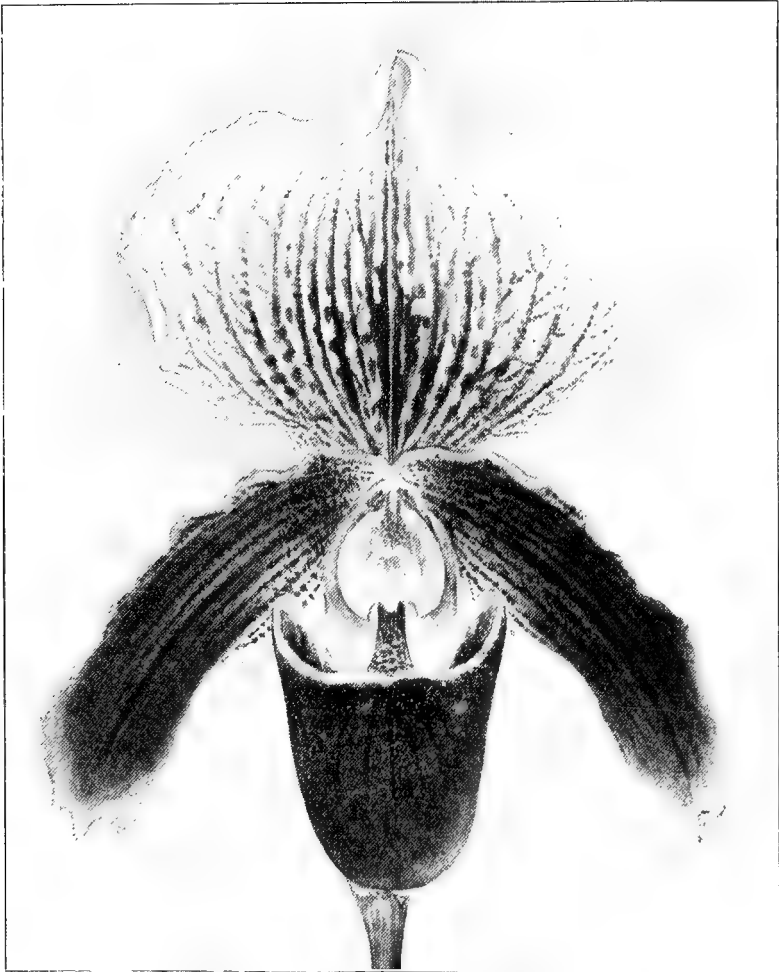


Fig. 67. PAPHIOPEDILUM × MINOS VAR. YOUNGII.

**399. P. × *Minnie*** (concolor × Curtisii ♀).—Sander, 1896.

C. × *Minnie* Ames, *G.C.* 1896, i. 83; *O.R.* 1896, 64; *Desb. Cyp.* ed. 2, 343 (Miss Minnie Ames).—Sander.

C. × *Annie Ayling*, *G.C.* 1896, i. 210; *O.R.* 1896, 95.—Hollington.

C. × *conco-Curtisii*, *Boyle Woodl. O.* 181.—R. H. Measures.

C. × *Cydonia*, *Boyle Woodl. O.* 200.—R. H. Measures.

• **400. P. × Minos** (× *Arthurianum* × *Spicerianum* ♀), *Kerch. Liv. d. O.* 481; *O.R.* 1900, 40; 1902, 41, f. 4 (v. *Youngii*); 1905, 71, 72, f. 18 (v. *Youngii*), 73, f. 19 (Westfield var.).—Veitch, 1893. [See Fig. 67.]

C. × *Minos*, *G.C.* 1893, ii. 692; 1903, i. 108 (v. *Youngii*); *O.R.* 1894, 30; 1899, 17, f. 6; 1903, 82 (v. *Youngii*); *Dict. Ic. O. Cyp. hyb.* t. 4 (id.).

C. × *Minosa*, *G.C.* 1894, ii. 730.—Veitch.

P. × *Alonzo*, *G.C.* 1897, ii. 387; *O.R.* 1898, 29.—Veitch.

C. × *Alonzo*, *O.R.* 1900, 40.—Veitch.

**401. P. × Miranda** (× *augustum* × *Rothschildianum* ♀).—Bleu, 1901.

C. × *Rothschildianum-augustum*, *Rev. H.* 1901, 515; *ŷ. S. H. Fr.* 1901, 996.

**402. P. × modestum** (× *Io* × *purpuratum* ♀).—Sander, 1894.

C. × *modestum*, *G.C.* 1894, ii. 103; *O.R.* 1894, 286.

C. × *molestum*, *Hans. O. Hyb.* 163.—Sander.

Re-named by Hansen, but this is the first recorded C. × *modestum*.

**403. P. × Moensiaë** (*callosum* × *Spicerianum*), *O.R.* 1901, 38.—Moens, 1892.

C. × *Mdlle. Gabrielle Moens*, *Bohnh. Dict. O. Hyb.* 25; *Desb. Cyp. ed.* 2, 328.—Moens.

C. × *Moensiaë*, *O.R.* 1899, 330.—Moens.

**404. P. × Moreauanum** (*callosum* × *superciliare* ♀).—*Kerch. Liv. d. O.* 481.—Regnier, 1892.

C. × *Moreauanum*, *Hans. O. Hyb.* 164; *Desb. Cyp. ed.* 2, 348.

• **405. P. × Morganiaë** (*Stonei* × *superbiens* ♀), *Stein. O.* 478.—Veitch, 1880.

C. × *Morganianum*, *G.C.* 1880, ii. 134.—Veitch. [See Fig. 68.]

• C. × *Morganiaë*, *G.C.* 1886, ii. 241, 243, f. 49; 1890, i. 264, suppl. f., 545, 552, f. 85; 1892, ii. 217, 218, f. 37; *ŷ.H.* 1887, i. 232, 233, f. 42; *O. A.* vii. t. 313; *V. Man. O.* iv. 92, f.; *Gard.* 1883, i. 58, t. 372; 1902, i. 75, t. f.; *Reichenb.* ser. 2, i. 1, t. 1 (v. *burfordiense*); *Ill. H.* 1887, 16, t. 5; *Rev. H. Belge*, 1885, 217, f.; *O.R.* 1893, 41, f. 3, 70; 1894, 79; *Nich. Dict. G.* 1900 Suppl. 290, f. 303; *Dict. Ic. O. Cyp. hyb.* t. 27; *Day. O. Draw.* xlv. t. 13.

• **406. P. × Moussetianum** (*callosum* × *superbiens*).—Mantin, 1894.

C. × *Moussetianum*, *ŷ. S. H. Fr.* 1894, 582.

C. × *Memoria Mousseti*, *ŷ. S. H. Fr.* 1895, 240.—Mantin.

C. × *purum*, *Amer. G.* 1902, 189, f. 43; *G.C.* 1902, ii. 294.—Parker.

C. × *Katherine*, *G.C.* 1902, ii. 445; *O.R.* 1903, 23.—Veitch.

C. × *Mme. Osterrieth*, *Rev. H. Belge*, 1903, 3.

• C. × *calloso-Veitchii*, *G.C.* 1903, ii. 343; *O.R.* 1903, 367.—Statter.

C. × *Cassandra*, *G.C.* 1903, ii. 340; *O.R.* 1903, 364.—Sander.

**407. P. × mulus** (*hirsutissimum* ♀ × *Lawrenceanum*), *Kerch. Liv. d. O.* 481.—Vuylsteke, 1892.

C. × *mulus*, *G.C.* 1893, i. 752; *O.R.* 1893, 244; *Hans. O. Hyb.* 165 (excl. var.).—Sander.

The variety cited by Hansen belongs to P. × *Erato*, the error arising from a confusion of C. × *Sallieri Hyeaenum* with C. *Lawrenceanum Hyeaenum*.

**408. P. × Murillo** (*Argus* × *Boxallii* ♀), *Kerch. Liv. d. O.* 481.—Vuylsteke, 1892.

C. × *Murillo*, *G.C.* 1893, i. 162; *O.R.* 1893, 147.

C. × *Dibdin* (*Argus* ♀), *G.C.* 1893, i. 162; *O.R.* 1893, 118.—Tautz.

C. × *Cyris*, *G.C.* 1894, ii. 605; *O.R.* 1894, 374; *G.M.* 1894, 701, f.; *J.H.* 1895, ii. 363, f. 58. —Cookson.

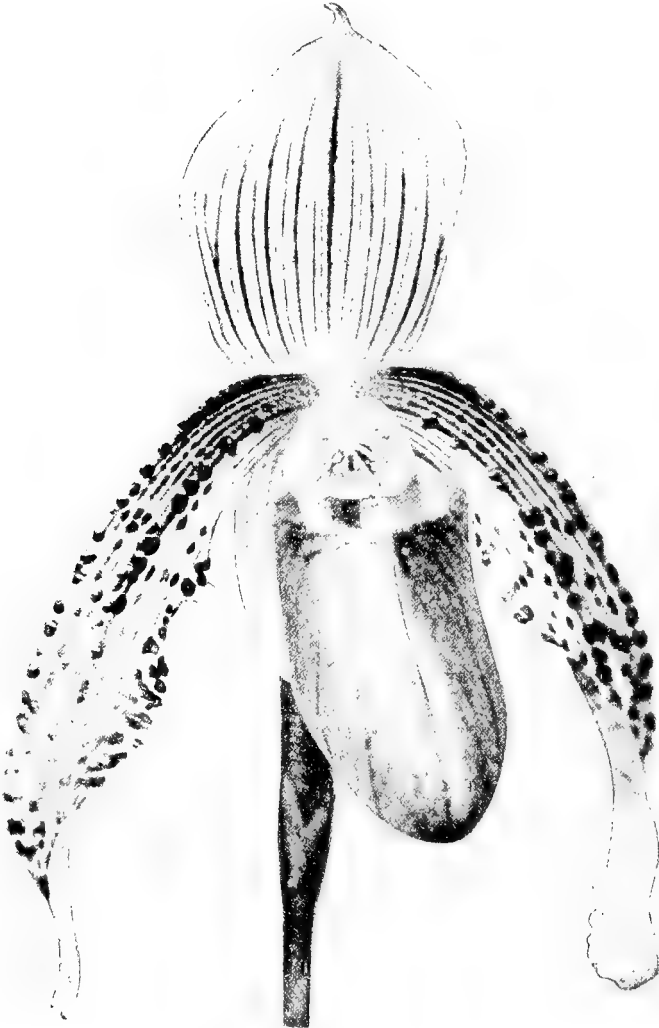


Fig. 68. PAPHIOPEDILUM × MORGANIE VAR. BURFORDIENSE.

C. × *Horneri*, *O.R.* 1894, 80.—Marwood.

C. × *Daviesianum*, *G.C.* 1893, i. 206; *O.R.* 1893, 95.—Statter.

C. × (un-named), ♀, *S. H. Fr.* 1896, 110.—Opoix.

C. × *Sphinx*, *R. H. Meas. Cyp.* ed. 3, 156; *Desb. Cyp.* ed. 2, 428.—Vuylsteke.

**409. P. × Myra** (*Chamberlainianum* × *Haynaldianum*).—E. Ashworth, 1897.

C. × *Haynaldo Chamberlaini*, *G.C.* 1897, ii. 316.—E. Ashworth.



- C. × Haynaldo-Chamberlainianum, *O.R.* 1897, 350.—E. Ashworth.  
 C. × Myra, *Boyle Woodl. O.* 179.—R. H. Measures.  
**410.** P. × **Nandii** (callosum ♀ Tautzianum).—R. I. Measures, 1894.  
 C. × Nandii, *G.C.* 1894, ii. 318; *O.R.* 1894, 310, 319; *G.M.* 1895, 403, f.  
**411.** P. × **Nansen** (× Morganix × selligerum ♀).—Cookson, 1897.  
 C. × Nansen, *G.C.* 1897, i. 246; *Chron. O.* 39.  
**412.** P × **Nebula** (Rothschildianum × selligerum ♀).—Sander, 1898.  
 C. × selligero-Rothschildianum, *O.R.* 1898, 252.—Sander.

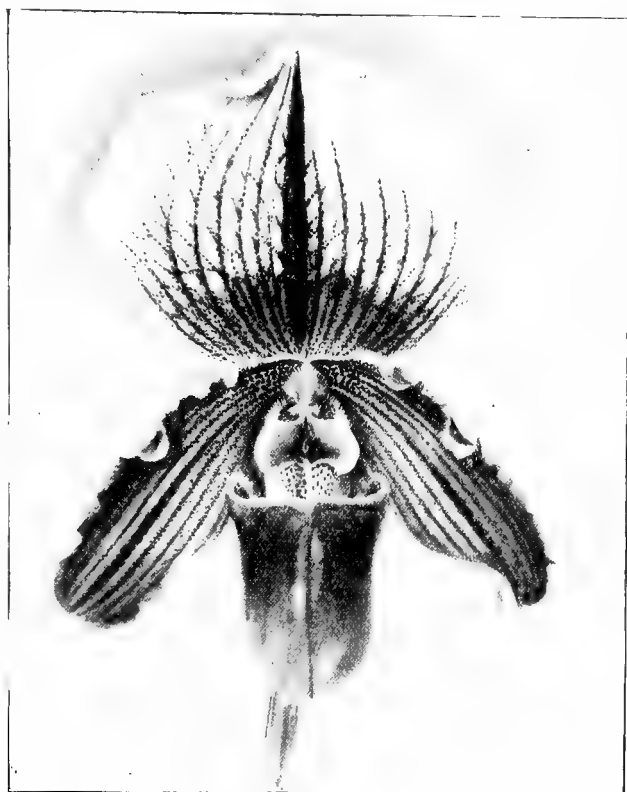


Fig. 69. PAPHIOPEDILUM × NIOBE.

- C. × Orion, *G.C.* 1898, ii. 92; 1902, ii. 191, 211 (v. Mrs. Arthur Wells);  
*O.R.* 1898, 256.—Sander.  
 C. × Mrs. Arthur Wells, *G.C.* 1902, ii. 243.—Wellesley.  
**413.** P. × **Nellie** (Charlesworthii × tonsum).—Law-Schofield, 1899.  
 C. × (unnamed), *G.C.* 1899, ii. 478; *O.R.* 1900, 25.—Law-Schofield  
 C. × tonso-Charlesworthii, *Amer. G.* 1900, 795; *Chron. O.* 342.—Mrs. F. L.  
 Ames.  
 C. × Nellie, *G.C.* 1901, ii. 172; *O.R.* 1901, 284.—Pitt.  
**414.** P. × **Neptune** (× Io ♀ × Rothschildianum).—Sander, 1896.  
 C. × Neptune, *G.C.* 1896, i. 792; *O.R.* 1896, 224; *Desb. Cyp.* ed. 2, 358.

C. × Mars, *G.C.* 1902, ii. 143; *O.R.* 1902, 276.—Sander.

• **415. P. × Niobe** (Fairrieianum × Spicerianum ♀), *Stein O.* 478; *O.R.* 1900, 9, f. 3; 1905, 41, f. 9.—Veitch, 1889. [See Fig. 69.]

C. × Niobe, *ŷ.H.* 1889, ii. 527, f. 67; *G.C.* 1889, ii. 701; 1890, i. 9; *Wien Ill. G. Zeit.* 1890, 342, 343, f. 69; *O.A.* x. t. 438; *Orchidoph.* 1892, 81, f.; *O.R.* 1893, 7, f. 1; 1894, 80, 172; *Gard.* 1891, ii. 482, t. 806; *Will. O. Gr. Man.* ed 7, 285; *Dict. Ic. O. Cyp. hyb.* t. 13.

C. × Gaskelliana, *Gard.* 1890, ii. 150; *O.R.* 1893, 8; *Desb. Cyp.* ed. 2, 197.—Gaskell.

C. × *miniatum*, *Rev. H. Belge*, 1893, 290; *O.R.* 1893, 371.—Hye.

C. × *oliganthum*, *Hans. O. Hyb.* 165.—Graves.

C. × *purpureum*, *Hans. O. Hyb.* 165.—Graves.

C. × *luteum*, *Hans. O. Hyb.* 165.—Graves.

**416. P. × Niobe-Leeanum** (Leeanum × Niobe).—Sander, 1902.

C. × Niobe-Leeanum, *G.C.* 1902, ii. 383; *O.R.* 1902, 367.

• **417. P. × nitens** (insigne × villosum ♀), *Stein O.* 478; *ŷ.R.H.S.* xxiv. 109, f. 31; *O.R.* 1901, 16.—Veitch, 1878.

• C. × nitens, *G.C.* 1878, i. 398; *Lind. v. t.* 223; *V. Man. O.* iv. 93; *Monit. H.* 1889, 127, t.; *O.R.* 1893, 68; *Dict. Ic. O. Cyp. hyb.* t. 22 (v. *superbum*), t. 22a (v. *Sallieri*), t. 22b (v. *Hyeanum*); *Desb. Cyp.* ed. 2, 363; *Day O. Draw.* xl. t. 3.

• C. × *Sallieri*, *ŷ. S. H. Fr.* 1884, 164; *Rev. H.* 1885, 476; *Orchidoph.* 1884, 147; 1887, 33; *V. Man. O.* iv. 97; *Godefr. and Br.. Cyp. t.*; *Lind.* ii. t. 84; *O.R.* 1893, 102; 1902, 144, f. 17 (v. *Hyeanum*); *Day. O. Draw.* xlvii. t. 77.—Godefroy-Lebeuf.

C. × *Celeus*, *G.C.* 1893, ii. 630; *O.R.* 1893, 374; *Will. O. Gr. Man.* ed. 6, 241.—R. I. Measures.

C. × *Almos*, *R. H. Meas. Cyp.* ed. 2, 7.—Ebner.

C. × *Chantino-villosum*, *ŷ.S.H.Fr.* 1897, 133; *G. World*, 1903, i. 89.—Lebaudy.

C. × *Colin*, *O.R.* 1900, 62.—Bostock.

C. × *Lafletcheri*, *ŷard.* 1902, 86.

C. × *Great Rex*, *G.C.* 1903, i. 47; *O.R.* 1903, 54.—Gratrix.

C. × *Dido*, *G.C.* 1903, ii. 340.—Sander.

C. × *Souvenir du Dr. Weber*, *ŷ.S.H.Fr.* 1903, 708.—Magne.

C. × *Souvenir du Pres<sup>ct</sup>. Weber*, *Rev. H.* 1903, 575; *ŷard.* 1903, 368.—Magne.

C. × *Mrs. Cary Batten*, *G.C.* 1903, ii. 429.—Cary Batten.

**418. P. × nitidum** (× nitens × selligerum).—R. H. Measures, 1901.

C. × nitidum, *Boyle Woodl. O.* 1901, 204.

**419. P. × nobilior** (*Haynaldianum* ♀ × *Lathamianum*).—Sander, 1894.

C. × nobilior, *Hans. O. Hyb.* 167.

C. × nobilius, *G.C.* 1895, i. 200; *ŷ. S. H. Fr.* 1896, 649.—Sander.

**420. P. × Norma** (× Niobe × Spicerianum ♀), *O.R.* 1900, 40; 1905, 104 f. 22; 105, f. 23 (*Westfield* var.).—Veitch, 1895. [See Fig. 70.]

C.  $\times$  Norma, *G.C.* 1895, i. 82; *O.R.* 1895, 64.

**421. P.  $\times$  Norrisianum** (*Leeanum*  $\times$  *purpuratum* ♀).—Rehder, 1897.

C.  $\times$  Norrisianum, *G. World*, 1897, ii. 148; *O.R.* 1897, 360.

**422. P.  $\times$  Northumbrian** ( $\times$  *calophyllum* ♀  $\times$  *insigne*), *Kerch. Liv. d. O.* 481.—Drewett, 1890.

C.  $\times$  Northumbrian, *G.C.* 1890, i. 160; *O.R.* 1893, 294.

C.  $\times$  Artemis, *R. H. Meas. Cyp.* ed. 2, 8.

C.  $\times$  Thora, *Gard.* 1895, ii. 347.—Veitch.

C.  $\times$  *calophyllum*-Chantini, *J. S. H. Fr.* 1900, 84.—Opoix.

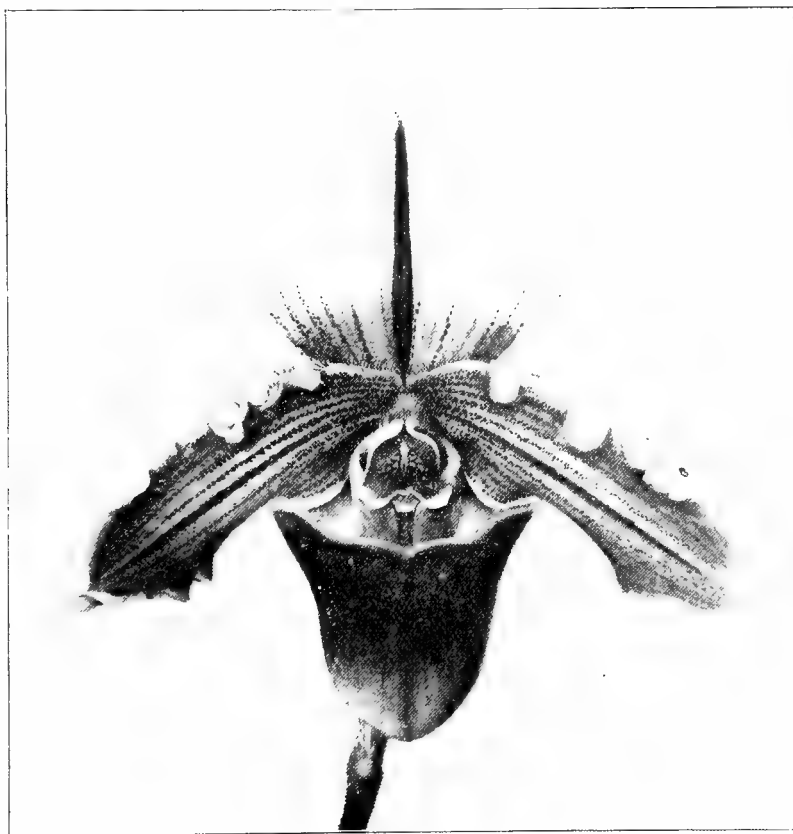


Fig. 59. PAPHIOPEDILUM  $\times$  NORMA, WESTFIELD VAR.

**423. P.  $\times$  Numa** (*Lawrenceanum* ♀  $\times$  *Stonei*), *Kerch. Liv. d. O.* 481.—Veitch, 1890.

C.  $\times$  Numa, *G.C.* 1890, i. 608; *O.R.* 1893, 295.

**424. P.  $\times$  Oakesii** (*Curtisii*  $\times$  *purpuratum*).—Mrs. F. L. Ames, 1899.

C.  $\times$  *purpurato-Curtisii*, *Amer. G.* 1899, 753; *G.C.* 1899, ii. 430.—Mrs. F. L. Ames.

\* **425. P.  $\times$  cenanthum** ( $\times$  *Harrisianum* ♀  $\times$  *insigne*), *Stein O.* 479.—Veitch, 1876.

C. × *cœnanthum*, *G.C.* 1876, i. 297; *Lind.* i. t. 33 (v. *superbum*); *Rev. H. Belge*, 1885, 231, 233, f. 39 (id.); *ŷ.H.* 1886, i. 62, f. 11 (id.); *O.A.* viii. t. 379; ix. t. 420 (id.); *Reichenb.* ser. 1, i. 85, t. 38 (id.); *V. Man. O.* iv. 93, f. (id.); *O.R.* 1893, 39; 1894, 334; *Day O. Draw.* xxx. t. 71; xxxiv. t. 79.

C. × *Thibautianum*, *G.C.* 1886, i. 104; *V. Man. O.* iv. 99.—Veitch.

C. × *Cambridgeanum*, *ŷ.H.* 1887, i. 376, f. 66.—R. I. Measures.

C. × *Galatea*, *G.C.* 1888, i. 168; *V. Man. O.* iv. 84; *O.R.* 1893, 259; *G.M.* March 4, 1893, suppl. t.; *ŷ.H.* 1896, ii. 627, f. 108 (v. *majus*).—Veitch.

C. × *Electra*, *G.C.* 1888, i. 297; *V. Man. O.* iv. 83; *O.R.* 1893, 259.—Veitch.

C. × *Josephine Jolibois*, *ŷ. S. H. Fr.* 1888, 296; *Rev. H.* 1888, 236; *Orchidoph.* 1892, 337, t. f. 2; *O.R.* 1893, 154.—Jolibois.

C. × *Berggrenianum*, *G.C.* 1888, i. 798.—Sander.

C. × *Orestes*, *V. Man. O.* iv. 94; *O.R.* 1893, 259.—Veitch.

C. × *Felix Jolibois*, *ŷ. S. H. Fr.* 1889, 25.—Jolibois.

C. × *Clement Loury*, *ŷ. S. H. Fr.* 1889, 231; *Rev. H.* 1889, 206.—Jolibois.

C. × *Charles Gondoin*, *ŷ. S. H. Fr.* 1889, 310; *Orchidoph.* 1892, 237, f. 1; *Rev. H.* 1889, 251; *O.R.* 1893, 154.—Jolibois.

C. × *Madame Charles Gondoin*, *ŷ. S. H. Fr.* 1889, 377.—Jolibois.

C. × *Madame Emilie Gayot*, *ŷ. S. H. Fr.* 1889, 377; *Rev. H.* 1889, 303.—

Jolibois.

C. × n. 192, *ŷ. S. H. Fr.* 1891, 45.—Jolibois.

C. × *Mademoiselle Alice Gayot*, *ŷ. S. H. Fr.* 1891, 67, 68.—Jolibois.

C. × *Mme. Roch Jolibois*, *ŷard.* 1895, 53; *G.C.* 1895, i. 370.

C. × *Mademoiselle Germaine Scellier de Gisors*, *ŷ. S. H. Fr.* 1893, 652.—

Opoix.

C. × *Madame Coffinet*, *ŷ. S. H. Fr.* 1893, 652.—Opoix.

C. × *Donatianum*; *R. H. Meas. Cyp.* ed. 2, 33.—Sander.

C. × *pulcherrimum*, *R. H. Meas. Cyp.* ed. 2, 87.—Drewett.

C. × *Themis*, *R. H. Meas. Cyp.* ed. 2, 103.—Veitch.

C. × *René Jolibois*, *ŷ. S. H. Fr.* 1894, 726.—Jolibois.

C. × *Louryi*, *Bohnh. Dict. O. Hyb.* 24; *G.C.* 1895, i. 200.

C. × *Morrisianum*, *G.C.* 1897, i. 51.—Sander.

C. × *Madame Georges Boucher*, *ŷ. S. H. Fr.* 1897, 1242.—Opoix.

C. × *President Kruger*, *ŷ.S.H.Fr.* 1899, 1131.—Duval.

C. × *Wilmslowianum*, *G.C.* 1899, ii. 366.—E. Ashworth.

C. × *Madeleine Thiebaut*, *ŷ. S. H. Fr.* 1903, 765.—Opoix.

C. × *Madeleine Thiebaut*, *ŷard.* 1903, 384.—Opoix.

**426. P.** × **Ænomaus** (× *Calypso* × *tonsum* ♀).—Oakes Ames, 1898.

C. × *Ænomaus*, *Amer. G.* 1898, 792; *Chron. O.* 299.

**427. P.** × **œno-superbiens** (× *cœnanthum* ♀ × *superbiens*).—Lawrence, 1893.

C. × *œno-superbiens*, *G.C.* 1893, ii. 192; *O.R.* 1893, 287; *ŷ.H.* 1893, ii. 269, f. 38.

**428. P.** **Olbia** (× *Leeanum* ♀ × *Romulus*).—Peeters, 1900.

\* *C.* × *Norma*, *ŷ. S. H. Fr.* 1900, 53.—Peeters.

Re-named because of an earlier *C.* × *Norma*.

**429. P.** × **Olenus** (*bellatulum* ♀ × *ciliolare*), *ŷ.R.H.S.* xxvi. 692.—R. I. Measures, 1895.

*C.* × *Olenus*, *G.C.* 1895, i. 402, 613, f. 86; *O.R.* 1895, 157; *Gard.* 1902, i. 355, f.

*C.* × *Gertrude Hollington*, *G.C.* 1895, i. 626, 644, f. 90; *O.R.* 1895, 188; *Monit. H.* Oct. 10, 1895, f.; *ŷ.H.* 1896, i. 3, f. 1; *G. World*, 1898, i. 616, f. (Southgate var.).

*C.* × *Sir Thomas Lipton*, *G.C.* 1898, i. 385.—Stanley & Ashton.

• **430. P.** × **Olivia** (*niveum* × *tonsum* ♀), *O.R.* 1900, 358.—Oakes Ames, 1898.

*C.* × *Olivia*, *G.C.* 1898, ii. 128; 1899, ii. 339, f. 113; *O.R.* 1898, 285, 286; 1899, 28, 350; *ŷ.H.* 1898, ii. 142, 143, f. 26.

The parentage was first recorded as *C.* *tonsum* and *C.* *concolor*, but afterwards amended as above.

**431. P.** × **Ollendorffii** (× *Harrisianum* × *hirsutissimum*), *O.R.* 1899, 135.—Ollendorff, 1899.

**432. P.** × **Omphale** (× *Lucie* × *tonsum* ♀), *O.R.* 1903, 26.—Young, 1902.

**433. P.** × **Opoixiæ** (*niveum* × *superciliare* ♀).—Opoix, 1893.

*C.* × *Madame Octave Opoix*, *ŷ.S.H.Fr.* 1893, 500; *ŷard.* 1895, 53; *Lind.* x. t. 462; *ŷourn. d. O.* v. 310.—Opoix.

**434. P.** × **Opoixii** (*Lowii* ♀ × *vexillarium*).—Opoix, 1895.

*C.* × (unnamed), *ŷ. S. H. Fr.* 1895, 602; 1896, 792.—Opoix.

**435. P.** × **orangense** (× *Harrisianum* ♀ × *tonsum*).—Graves, 1894.

*C.* × *modestum*, *Amer. G.* March 23, 1895; *Hans. O. Hyb.* 163.—Graves.

Re-named because of an earlier *C.* × *modestum*.

\* **436. P.** × **Orion** (*concolor* × *insigne* ♀). *Kerch. Liv. d. O.* 482.—Veitch, 1893.

*C.* × *Orion*, *G.C.* 1893, i. 80; *O.R.* 1893, 61; *ŷ.H.* 1899, i. 151, f. 31; *G.M.* 1899, 104, f.; *Dict. Ic. O. Cyp. hyb.* t. 62.

*C.* × *Chantino-Regnieri*, *Sem. H.* 1897, 468; *Desb. Cyp.* ed. 2, 118.—Bleu.

**437. P.** × **Orissa** (*barbatum* ♀ × *Haynaldianum*).—Jolibois, 1890.

*P.* × (unnamed), *ŷ. S. H. Fr.* 1890, 200.—Jolibois

• **438. P.** × **orphanum**, (*barbatum* × *Druryi*), *Stein O.* 479.—Veitch, 1886.

*C.* × *orphanum*, *G.C.* 1886, ii. 166; *V. Man. O.* iv. 94; *O.A.* x. t. 455; *O.R.* 1893, 27, 131; *Lind.* v. t. 206; *ŷ.H.* 1887, ii. 135, f. 16; *Day O. Draw.* 1. t. 85.

The name refers to the fact that the parents were unknown when the hybrid originally appeared.

**439. P.** × **Orpheus** (*callosum* × *venustum* ♀), *Stein O.* 479.—Sander, 1891.

*C.* × *Orpheus*, *G.C.* 1891, i. 39; *O.R.* 1893, 326; 1896, 39.

**440. P.** × **Osyanum** (× *Arthurianum* × *Harrisianum*).—Craen-Longh , 1901.

*C.* × *Souv. du Baron Osy*, *R. H. Belge*, 1901, 71.—Craen-Longh .

**441. P. × Pageanum** (Hookeræ × superbiens), *Kerch. Liv. d. O.* 482.—Lebaudy, 1888.

C. × Pageanum, *G.C.* 1888, ii. 264; *O.R.* 1893, 228; *Orchidoph.* 1888, 257.

C. × (Enone, (Hookeræ ♀), *G.C.* 1890, i. 260; *O.R.* 1893, 295.—Sander.

C. × Cydippe, *R. H. Meas. Cyp.* ed. 2, 29.—Veitch.

C. × Hookero-Veitchii, *Journ. d. O.* iii. 281.—Bleu.

C. × superbiens-Hookeræ, *J. S. H. Fr.* 1899, 1059.—Dalleman.

**442. P. × Pallas** (callosum × calophyllum ♀), *Kerch. Liv. d. O.* 482.—Drewett, 1891.

C. × Pallas, *G.C.* 1891, i. 360; *O.R.* 1893, 327.

**443. P. × pallens** (Dayanum × Spicerianum ♀).—Pitcher & Manda, 1892.

C. × pallens, *Fl. Exch.* Jan. 9, 1892.

**444. P. × Pandora** (Argus × Dayanum), *Kerch. Liv. d. O.* 482.—Baron N. Rothschild, 1894.

C. × Pandora, *G.C.* 1894, i. 230; *O.R.* 1894, 111.

**445. P. × Parkerianum** (Boxallii × nitens), *O.R.* 1900, 94.—Parker, 1898.

C. × Parkerianum, *G.C.* 1898, ii. 463; 1899, i. 31; *O.R.* 1899, 27, 63.

C. × Sirdar, *G.C.* 1899, i. 31; *O.R.* 1899, 63.—Tate.

C. × Cromer, *G.C.* 1899, i. 31; *O.R.* 1899, 63.—Tate.

C. × Mrs. Plummer, *R. H. Meas. Cyp.* ed. 3, 122.—Mc. Arthur.

C. × Boxallii-Sallieri, *J. S. H. Fr.* 1899, 56.—Cappe.

C. × Coloris-nova, *Rev. H. Belge*, 1901, 95.—Smet-Duvivier.

C. × Geneviène Opoix, *Jard.* 1903, 384; *Rev. H.* 1904, 26.—Opoix.

**446. P. × Parksianum** (× marmorophyllum × Spicerianum), *Kerch. Liv. d. O.* 482.—Pollett, 1892.

C. × Parksianum, *G.C.* 1892, i. 88; *O.R.* 1893, 359; *Dict. Ic. O. Cyp. hyb.* t. 15.

C. × Senateur Montefiore, *G.C.* 1892, i. 211; *J. S. H. Fr.* 1896, 929.—

Peeters.

C. × marmorophyllum v. superbum, *G.C.* 1892, ii. 745.—Ingram.

**447. P. × Patersoni** (Dayanum × Lowii).—Cardoso, 1896.

C. × Patersoni, *J. S. H. Fr.* 1896, 929.

**448. P. × Patria** (× nitens × calophyllum (politum)).—Young, 1903.

C. × polito-Sallieri, *G.C.* 1903, i. 302; *O.R.* 1903, 69, 179.

**449. P. × Paulii** (× Harrisianum × selligerum ♀), *Kerch. Liv. d. O.* 482.—Bowring, 1893.

C. × Paulii, *O.R.* 1893, 147.

C. × selligero-Harrisianum, *Rev. H. Belge*, 1894, 48; *Desb. Cyp.* ed. 2, 422.—

Van Imschoot.

**450. P. × pavoninum** (Boxallii ♀ × venustum), *Stein. O.* 480.—Drewett, 1888.

C. × pavoninum, *G.C.* 1888, i. 264; *O.R.* 1893, 259; *Orchidoph.* 1888, 132; *Desb. Cyp.* ed. 2, 386; *V. Man. O.* iv. 95.

C. × Desboisianum, *G.C.* ii. 1890, 747; *Rev. H. Belge*, 1891, i. 48; *Lind.* vi. t. 277; *O.R.* 1893, 295.—Vervaeet.

- C. × *dubium*, *R. H. Meas. Cyp.* ed. 3, 52.  
 C. × *maculosum*, *Gard.* 1895, i. 123, 170.—Burton.
- 451. P. × Pegasus** (× *Leeanum* ♀ × *Morganizæ*).—R. I. Measures, 1896.  
 C. × *Pegasus*, *G.C.* 1896, i. 210; *O.R.* 1896, 95; *Gard.* 1896, i. 89.  
 C. × *Leeanum-Morganizæ*, *R. H. Meas. Cyp.* ed. 3, 107.—R. I. Measures.
- 452. P. × Pelias** (*Haynaldianum* ♀ × *insigne*), *Kerch. Liv. d. O.* 482.—Graves, 1894.  
 C. × *Pelias*, *O.R.* 1894, 144.  
 C. × *Iocasta*, *G.C.* 1900, i. April 28, Suppl. 4.—Veitch.  
 C. × *jocasta*, *O.R.* 1900, 157.—Veitch.
- 453. P. × Pelops** (× *Niobe* × *Sementa* ♀).—Oakes Ames, 1898.  
 C. × *Pelops*, *Amer. G.* 1898, 792; *Chron. O.* 229; *O.R.* 1905, 106.
- 454. P. × Penelope** (× *Morganizæ* × *superbiens*).—Law-Schofield, 1899.  
 C. × *Veitchii-Morganizæ*, *G.C.* 1899, ii. 198; *O.R.* 1899, 287.—Law-Schofield.  
 C. × *Penelope*, *G.C.* 1905, ii. 74; *O.R.* 1905, 247.—Fowler.
- 455. P. × Persephone** (*exul* × *Lathamianum*), *O.R.* 1903, 58—Young, 1903.  
**456. P. × Petri** (*Dayanum* ♀ × *virens*), *O.R.* 1896, 366.—Sander, 1895.  
 C. × *Petri*, *G.C.* 1880, i. 680; *Wien. Ill. G. Zeit.* 1894, 213, t. 2; *O.R.* 1896, 247.  
 C. × *woodlandense*, *R. H. Meas. Cyp.* ed. 2, 111; *G.C.* 1895, i. 199; *O.R.* 1896, 262; *Boyle Woodl. O.* 195.—Sander.  
 We have not seen *C. × woodlandense*, but from the parentage given it should be a form of the natural hybrid *P. × Petri*.
- 457. P. × Petri-insigne** (*insigne* × *Petri* ♀).—Opoix, 1896.  
 C. × (unnamed), *ŷ.S.H.Fr.* 1896, 110.—Opoix.  
 C. × *Petri-insigne*, *ŷ.S.H.Fr.* 1897, 1006.—Opoix.
- 458. P. × Philene** (× *Ashburtonæ* ♀ × *barbatum*).—Opoix, 1896.  
 C. × *Ashburtoniæ-barbatum*, *ŷ.S.H.Fr.* 1896, 649.—Opoix.
- 459. P. × Philo** (*philippinense* × *purpuratum* ♀).—Lawrence, 1900.  
 C. × *lævigato-purpuratum*, *G.C.* 1900, ii. 57; *O.R.* 1900, 251.—Lawrence.
- **460. P. × Phœbe** (*bellatulum* × *philippinense*).—Statter, 1895.  
 C. × *Phœbe*, *G.C.* 1895, i. 337; *O.R.* 1895, 127; *Dict. Ic. O. Cyp. hyb.* t. 71.
- 461. P. × Picardianum** (*Pageanum* × *Spicerianum*).—Mantin, 1894.  
 C. × *Picardianum*, *ŷ.S.H.Fr.* 1894, 582; 1895, 240; *Bohnh. Dict. O. Hyb.* 29; *R. H. Meas. Cyp.* ed. 3, 137.
- 462. P. × Piercei** (*Druryi* × *tonsum*).—Oakes Ames, 1900.  
 C. × *Franklin Pierce*, *Amer. G.* 1900, 362.—Oakes Ames.
- 463. P. × Pitcheri** (*barbatum* × *purpuratum*).—Pitcher and Manda, 1894.  
 C. × *barbato-purpuratum*, *Hans. O. Hyb.* 136.—Pitcher and Manda.
- 464. P. × platycolor** (*concolor* ♀ × *Stonei*).—Lawrence, 1895.  
 C. × *platycolor*, *G.C.* 1895, ii. 655; *O.R.* 1896, 29.
- 465. P. × pleistochlorum** (*barbatum* ♀ × *virens*), *Stein O.* 480.—Drewett, 1887.

*C.* × *pleistochlorum*, *G.C.* 1887, ii. 552; *O.R.* 1893, 196; *V. Man. O.* iv. 95; *Day O. Draw.* li. t. 1.

**466. P.** × **plumosum** (*barbatum* × *œnanthum*).—Statter, 1895.

*C.* × *plumosum*, *G.C.* 1895, ii. 655; *O.R.* 1896, 30.

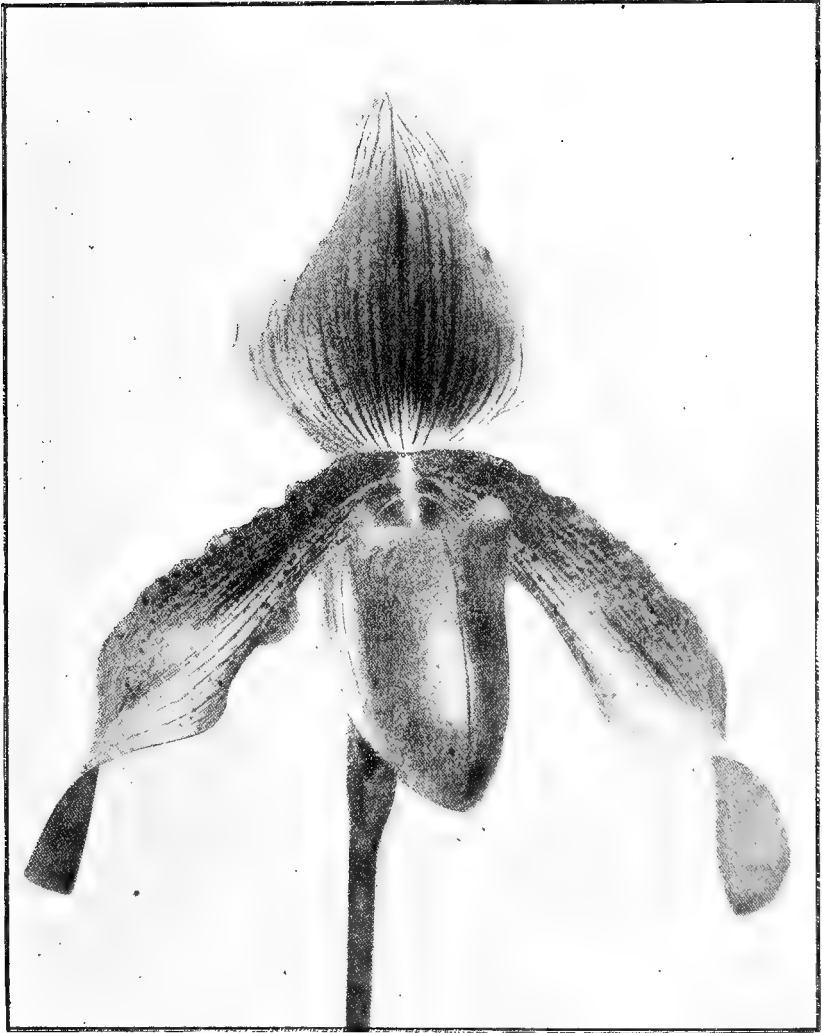


Fig. 71. PAPHIOPEDILUM × PORPHYROCHLAMYS.

**467. P.** × **Pluto** (*Boxallii* ♀ × *calophyllum*), *Kerch. Liv. d. O.* 482; *ŷ.R.H.S.* xxiv. 114, 116. f. 39; *O.R.* 1902, 263.—Low, 1893.

*C.* × *Pluto*, *G.C.* 1893, ii. 692; *O.R.* 1894, 29.

*C.* × *Clotho*, *G.C.* 1895, ii. 527; *O.R.* 1895, 374; *Dict. Ic. O. Cyp. hyb.* t. 32.—Young.

**468. P.** × **Polkii** (*Chamberlainianum* × *nitens*).—Roebing, 1900.



C. × James K. Polk, *Amer. G.* 1900, 200; *Rep. Miss. Bot. G.* 1900, 201. t.—Roebling.

C. × edgbastonense, *G.C.* 1902, i. 219; *O.R.* 1902, 117.—Latham.

P. × elgbastonense, *O.R.* 1903, 95.—Latham.

C. × Violetta, *G.C.* 1903, i. 302; *O.R.* 1903, 179.—Charlesworth.

**469. P. × Pollettianum** (× calophyllum ♀ × œnanthum) *Stein. O.* 481.—Sander, 1890.

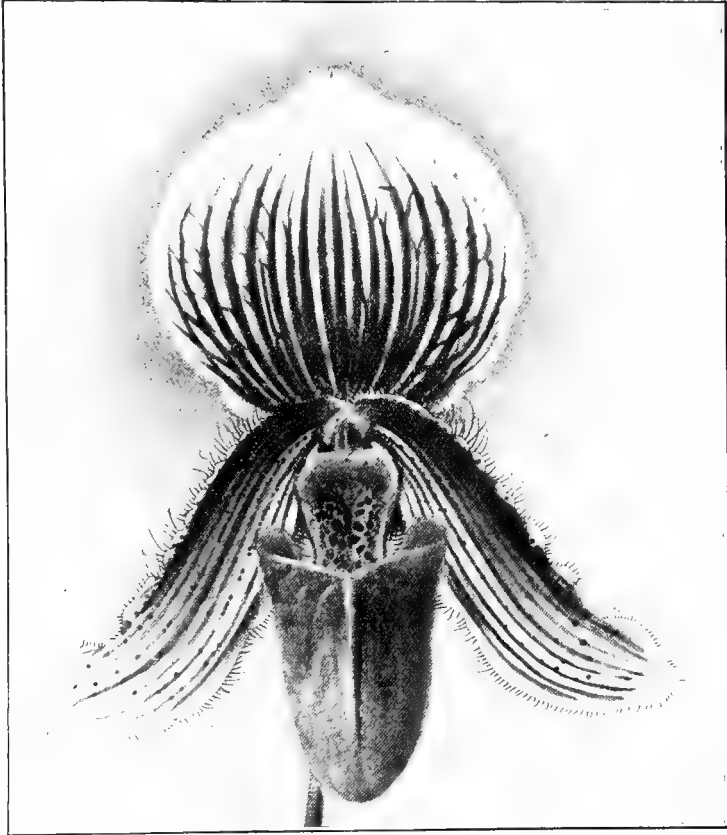


Fig. 72. PAPHIOPEDILUM × PRINCESS.

C. × Pollettianum, *G.C.* 1890, ii. 702; *ȳ.H.* 1891, i. 559, f. 101; *Reichenb.* ser. 2, i. 93, t. 43, f. 1; *O.R.* 1893, 326; *Dict. Ic. O. Cyp.* hyb. t. 35.

**470. P. × polychromum** (× calophyllum ♀ × superbiens).—W. C. Clark, 1896.

C. × polychromum, *G.C.* 1896, ii. 668; *O.R.* 1897, 28.

**471. P. × Polyphemus** (tonsum × venustum ♀).—Graves, 1894.

C. × tonso-venustum, *Amer. G.* March 23, 1895; *G.C.* 1895, i. 550.—Pitcher and Manda.

C. × Polyphemus, *Hans. O. Hyb.* 171.—Graves.

- 472. P. × polystigmaticum** (Spicerianum × venustum), *Stein. O.* 481.—R. H. Measures, 1888.  
 C. × polystigmaticum, *G.C.* 1888, ii. 407; *O.R.* 1893, 59, 227.  
 C. × venusto-Spicerianum, *G.C.* 1889, i. 394; *O.R.* 1893, 59, 263.—Drewett.  
 C. × Yperianum, *Desb. Cyp.* ed. 2, 488.—Moens.  
 C. × Florentiæ, *Bull. Soc. Tosc. Ort.* 1903, 5.—Recenti.
- 473. P. × porphyrochlamys** (barbatum ♀ × hirsutissimum), *Stein. O.* 481.—Veitch, 1884. [See Fig. 71.  
 C. × porphyrochlamys, *G.C.* 1884, i. 476; *O.R.* 1893, 101, 105, f. 7; *V. Man. O.* iv. 96 (porphyrochlamis); *O.A.* ix. t. 426; *Day. O. Draw.* xli. t. 13.  
 C. × Fraseri, *V. Man. O.* iv. 84; *Lind.* vi. t. 253; *O.R.* 1893, 106, 262; *Desb. Cyp.* ed. 2, 191.—Fraser.
- 474. P. × Premier** (× Cymatodes × Rothschildianum).—Sander, 1899.  
 C. × Premier, *G.C.* 1899 ii. 58; *O.R.* 1899, 254.
- 475. P. × prestonense** (Argus × marmorophyllum ♀), *O.R.* 1902, 101.—Parker, 1902.
- 476. P. × Priam** (insigne ♀ × Niobe).—Veitch, 1900.  
 C. × Priam, *G.C.* 1900, ii. 384; *O.R.* 1900, 373; *J.H.* 1900, ii. 505, f. 129.
- 477. P. × Priapus** (philippinense ♀ × villosum), *Kerch. Liv. d. O.* 482.—Veitch, 1890.  
 C. × Priapus, *Gard.* 1890, i. 402; *Hans. O. Hyb.* 172.  
 C. × (unnamed), *G.C.* 1890, i. 526.—Veitch.  
 C. × Æolus, *R. H. Meas. Cyp.* ed. 2, 6; *Desb. Cyp.* ed. 2, 42.—Veitch.
- 478. P. × Prince** (Rothschildianum × Sanderianum).—Gratrix, 1899.  
 C. × Prince Edward of York, *O.R.* 1899, 249.—Gratrix.
- 479. P. × Princess** (× Coffinetii × Fairrieanum), *O.R.* 1905, 43; 1906, 113, f. 13.—Opoix, 1902. [See Fig. 72.  
 C. × Princess, *G.C.* 1902, ii. 272; *O.R.* 1902, 339; 1905, 277.—(Opoix) Charlesworth.
- 480. P. × Proetus** (Boxallii × Haynaldianum).—Graves, 1895.  
 C. × Proetus, *Amer. G.* March 23, 1895; *G.C.* 1895, i. 550; *Hans. O. Hyb.* 307.  
 C. × augustum var. Proetus, *Hans. O. Hyb.* 135.—Graves.
- 481. P. × Pryorianum** (× Harrisianum × Lathamianum ♀), *Kerch. Liv. d. O.* 482.—Sander, 1893.  
 C. × Pryorianum, *G.C.* 1893, ii. 692; *O.R.* 1894, 29; *Dict. Ic. O. Cyp. hyb.* t. 45 (v. inversum).
- 482. P. × Psyche** (bellatulum × niveum).—Winn, 1893. [See Fig. 73.  
 C. × Psyche, *G.C.* 1893, i. 751; *O.R.* 1893, 223; 1894, 262; 1898, 232, 363.  
 C. × Mrs. Herbert Druce, *G.C.* 1897, i. 411; *O.R.* 1898, 232, 363.—Druce.  
 C. × Lily, *O.R.* 1899, 27.—Keeling.  
 P. × Mrs. H. Druce, *O.R.* 1903, 359, f. 52.—Druce.  
 This has sometimes been thought to agree with *P. Godefroyæ leucochilum*, but careful comparison fails to confirm this.
- 483. P. × punctatissimum** (Argus × hirsutissimum).—Rehder, 1899.

C. × Miss Rehder, *G.C.* 1899, ii. 96; *O.R.* 1899, 255.—Rehder.

**484. P. × pycnopterum** (Lowii × venustum ♀).—*Stein O.* 481.—Veitch, 1876.

C. × pycnopterum, *G.C.* 1876, i. 622; *O.R.* 1893, 39; *V. Man. O.* iv. 96, 97.

C. × porphyrospilum, *G.C.* 1879, ii. 489; *O.R.* 1893, 69 --Veitch.

**485. P. × Pygmalion** (ciliolare × villosum) — Graves, 1895.

C. × Pygmalion, *Amer. G.* March 23, 1895; *Hans. O. Hyb.* 172.

C. × cilio-villosum, *G.C.* 1895, i. 401; *O.R.* 1895, 158.—Lewis.

**486. P. × Pynaertii** (× Lathamianum × Lawrenceanum).—Pynaert, 1903.



Fig. 73. PAPHIOPEDILUM × PSYCHE VAR. MRS. H. DRUCE.

C. × (unnamed), *O.R.* 1903, 149.—Pynaert.

**487. P. × Pytho** (callosum × Mastersianum).—R. I. Measures, 1897.

C. × calloso-Mastersianum, *G.C.* 1897, ii. 277; *O.R.* 1897, 347.—R. I. Measures.

**488. P. × Quies** (Curtisii × Hookeræ ♀), *J.R.H.S.* xxiv. 102.—R. I. Measures, 1896.

C. × Quies, *G.C.* 1896, i. 468; *O.R.* 1896, 157.

**489. P. × Quirinus** (Appletonianum × Spicerianum ♀), *O.R.* 1900, 72, 119.—Young, 1900.

C. × Quirinus, *G.C.* 1900, ii, 479.

**490. P. × Rachel** (*Charlesworthii* × *Curtisii* ♀).—Rogerson, 1903.

C. × Rachel, *G.C.* 1903, ii, 147; *O.R.* 1903, 269.

**491. P. × radiosum** (*Lawrenceanum* ♀ × *Spicerianum*), *Stein. O.* 482.—Veitch, 1885.

C. × radiosum, *G.C.* 1885, ii, 424 (*radissum*); *V. Man. O.* iv, 97; *O.R.* 1893, 102; *Amer. G.* 1901, 669; *Desb. Cyp.* ed. 2, 403; *Day O. Draw.* xlvii, t. 3.

C. × variopictum, *G.C.* 1888, ii, 407; *O.R.* 1893, 227.—R. H. Measures.

C. × shorthillense, *Hans. O. Hyb.* 173.—Pitcher & Manda.

C. × G. S. Ball, *G.C.* 1892, ii, 622; *O.R.* 1893, 11.—Sander.

C. × Bradshawianum, *G.C.* 1893, ii, 70; *O.R.* 1893, 255.—Lewis.

C. × Ballianum, *R. H. Meas. Cyp.* ed. 3, 15.—Sander.

C. × Pirbright, *R. H. Meas. Cyp.* ed. 3, 137.—McArthur.

C. × Lawre-Spicer, *G.C.* 1901, i, 98; *O.R.* 1901, 68.—Holmes.

**492. P. × Rafaeli** (× *Crossianum* ♀ *insigne*).—Rafael, 1893.

C. × *Crossianum*, Castle Hill var., *G.C.* 1893, ii, 648; *O.R.* 1894, 42.—Rafael.

C. × Castle Hill, *Hans. O. Hyb.* 139.—Rafael.

**493. P. × Rappartii** (*Charlesworthii* × *Lathamianum*), *O.R.* 1901, 272.—Duval, 1899.

C. × Ami Paul, *Sem. H.* 1899, 474; *ŷ. S. H. Fr.* 1900, 83.—Duval.

C. × Ami Jean, *Chron. O.* 290.—Duval.

C. × Mrs. Alfred Fowler, *G.C.* 1901, ii, 401; *O.R.* 1901, 366; *G.M.* 1901, 823, f.—Fowler.

C. × Lathamiano-Charlesworthii, *ŷ. S. H. Fr.* 1901, 28; *ŷard.* 1902, 48.—Cappe.

C. × Charlesworthii-Lathamianum, *ŷ. S. H. Fr.* 1901, 28; 1902, 35.—Cappe.

C. × Rappartianum, *G.C.* 1903, ii, 214; *O.R.* 1903, 308; *G.M.* 1903, 723, f.—Crook.

\* **494. P. × Redversii** (*insigne* × *Lucie*).—Appleton, 1900.

\* C. × Sir Redvers Buller, *G.C.* 1900, i, 30, 35, 43, f. 13; *O.R.* 1900, 58, 94; *ŷ.H.* 1900, i, 45, f. 9; *G.M.* 1900, 37, f.—Appleton.

**495. P. × regale** (*insigne* × *purpuratum*), *Stein. O.* 482.—Bowring, 1887.

C. × regale, *Bull. Cat.* 1887, 10; *G.C.* 1891, i, 21; *ŷ. S. H. Fr.* 1892, 426; *O.R.* 1896, 324, 353.

C. × Madame Leoni Doin, *Hans. O. Hyb.* 173; *ŷ. S. H. Fr.* 1897, 1006.—Opoix.

**496. P. × Reginae** (*Farriceanum* × *Leeanum* ♀), *O.R.* 1900, 39.—Veitch, 1896.

C. × Reginae, *G.C.* 1896, ii, 534; *O.R.* 1896, 351; *G. World*, 1897, 537, f.; *Nich. Dict.* 1900 Suppl. 291, 292, f. 305.—Veitch.

**497. P. × Reginaldiae** (*Lowii* ♀ × *Sanderianum*).—Low, 1898.

C. × Mrs. Reginald Young, *G.C.* 1898, ii, 14; *O.R.* 1898, 223; *G.M.* 1898, 458, 459, f. 1.—Low.

**498. P. × Reginaldianum** (*insigne* × *siamense*).—Heath, 1893.

- C. × (unnamed), *G.C.* 1893, ii. 536.—Heath.
- C. × Reginaldianum, *G.C.* 1893, ii. 630.—Moseley.
- 499. P. × Rehderæ** (Argus ♀ × Rothschildianum).—Rehder, 1899.
- C. × Mrs. Rehder, *G.C.* 1899, i. 286; 1901, ii. 102; *O.R.* 1899, 189.—Rehder.
- C. × Argo-Rothschildianum, *G.C.* 1901, ii. 102 (in syn.); *O.R.* 1901, 252.—Cookson.
- 500. P. × Rehderianum** (purpuratum × Savageanum ♀).—Rehder, 1898.
- C. × Rehderianum, *G.C.* 1898, i. 47; *O.R.* 1898, 63.
- 501. P × Remus** (Bullenianum × purpuratum ♀).—Grey, 1895.
- C. × Remus, *Amer. G.* March 23, 1895; ex *Hans. O. Hyb.* 173.—Grey.
- C. × Romulus, *Amer. G.* March 23, 1895, ex *Hans. O. Hyb.* 173.—Grey.
- 502. P. × resplendens** (× Cleopatra × Lawrenceanum).—Charlesworth, 1903.
- C. × resplendens, *G.C.* 1903, i. 126; *O.R.* 1903, 87.
- 503. P. × Reynaldi** (Boxallii × villosum ♀).—Heath, 1894.
- C. × (unnamed), *G.C.* 1894, i. 211.—Heath.
- C. × Reynaldi, *R. H. Meas. Cyp.* ed. 3, 143.
- C. × Hero, *G.C.* 1895, i. 201; *R. H. Meas. Cyp.* ed. 3, 73; *Hans. O. Hyb.* 296.
- C. × Mme. Petrick, *G.C.* 1896, i. 207.—Maenhout.
- C. × (unnamed), *ŷ. S. H. Fr.* 1895, 430.—Cappe.
- C. × Boxo-villosum, *G.C.* 1903, i. 267.—Janssens & Putzeys.
- C. × Boxvillo, *O.R.* 1903, 149.—Pynaert.
- 504. P. × Rhodopsis** (Charlesworthii ♀ × enfieldiense).—Young, 1902.
- C. × Rhodopsis, *Dict. Ic. O. Cyp. hyb.* t. 51.
- 505. P. × Richmanii** (barbatum ♀ × bellatulum), *O.R.* 1899, 161.—Palmer, 1893.
- C. × Charles Richman, *G.C.* 1893, i. 580; *O.R.* 1893, 188; 1894, 303; 1897, 41; *ŷ.H.* 1893, i. 517, f. 92; *G.M.* 1894, 549, f.; *Dict. Ic. O. Cyp. hyb.* t. 19.—Palmer.
- C. × Météore, *G.C.* 1894, ii. 318; *O.R.* 1894, 303; *ŷ.H.* 1894, ii. 535, f. 84; *Desb. Cyp.* ed. 2, 338.—Hye.
- C. × Leysenianum, *G.C.* 1894, i. 817; *O.R.* 1894, 253; *Rev. H. Belge*, 1894, 169, t.; *Dict. Ic. O. Cyp. hyb.* t. 1.—Hye.
- C. × Marchioness of Salisbury, *ŷ.H.* 1895, ii. 526, 527, f. 79.—Sander.
- C. × Countess of Salisbury, *G.C.* 1895, ii. 588; *O.R.* 1895, 376.—Sander.
- C. × François Peeters, *O.R.* 1895, 352, 354.—Peeters.
- C. × barbato-bellatulum, *Gard.* 1896, i. 201; *G.C.* 1896, i. 337; *O.R.* 1897, 41.—Lawrence.
- C. × barbato-bellum, *O.R.* 1896, 122.—Lawrence.
- C. × Lilian Greenwood, *G.C.* 1897, i. 35; *O.R.* 1897, 61, 67.—Greenwood.
- C. × Carl Peeters, *Nich. Dict.* 1900 Suppl. 286.
- C. × Charles Richmond, *R. H. Meas. Cyp.* ed. 2, 26; *Boyle Woodl. O.* 202.—Palmer.
- C. × Miss Clara Measures, *Boyle Woodl. O.*—203.

**506. P. × Ridolfianum** (insigne × conspicuum), *Kerch. Liv. d. O.* 483.—Sander, 1893.

C. × *Ridolfianum*, *R. H. Meas. Cyp.* ed. 2, 90; *G.C.* 1893, ii. 756; *O.R.* 1894, 31; *Bull. Soc. Tosc. Ort.* 1896, 144, t. 4.

C. × *Boegnerianum*, *ŷ. S. H. Fr.* 1894, 582; 1895, 178, 240.—Mantin.

C. × *Préfet Boegner*, *Hans. O. Hyb.* 173.—Mantin.

C. × *Leo*, *Proth. & Mor. Sale Cat.* Sept. 24, 1895; *R. H. Meas. Cyp.* ed. 3, 107 (second entry).

**507. P. × Rimbertainum** (ciliolare ♀ × *Hookeræ*).—Mantin, 1898.

C × *Rimbertainum* *ŷ. S. H. Fr.* 1898, 440.

**508. P. × Robertsii** (*Charlesworthii* × *Creon*).—Charlesworth, 1899.

C. × *Lord Roberts*, *G.C.* 1899, ii. 478; *O.R.* 1900, 29; *G.M.* 1900, 20, f.—Charlesworth.

**509. P. × Robinianum** (*Lowii* × *Parishii* ♀), *Kerch. Liv. d. O.* 483.—Linden, 1893.

C. × *Robinsianum*, *G.C.* 1893, ii. 756.—Linden.

C. × *Robinianum*, *O.R.* 1894, 79.—Linden.

C. × *Parishii-Lowianum*, *K. H. Meas. Cyp.* ed. 3, 134; *Desb. Cyp.* ed. 2, 384.—Linden.

Named after Robin Measures, a son of Mr. R. H. Measures, hence “*Robinsianum*” is incorrect, and should be corrected in Part I.

**510. P. × Rogersii** (*Lawrenceanum* × *Swanianum* ♀).—Wrigley, 1902.

P. × (unnamed), *O.R.* 1902, 221.—Wrigley.

**511. P. × Rogersoni** (*Charlesworthii* × *Druryi*).—Rogerson, 1902.

C. × *E. Rogerson*, *O.R.* 1902, 310.—Rogerson.

C. × *T. Rogerson*, *G.C.* 1902, ii. 239.—Rogerson.

There is a slight doubt about the parentage, and C. × orphanum (*barbatum* × *Druryi*) has been suggested as the second parent, but the influence of *barbatum* is not apparent.

**512. P. × Rolfei** (*bellatulum* × *Rothschildianum*), *O.R.* 1901, 287, 305, f. 46; 1903, 287; 1904, 264, 349.—Appleton, 1901. [See Fig. 74.]

C. × *Rolfei*, *G.C.* 1901, ii. 172; 1904, ii. 395, 399, f. 171 (v. *superbum*); *O.R.* 1901, 284; 1905, 19; *G. World*, 1903, 732, f.

C. × *W. E. Dickson*, *G.C.* 1902, i. 251, 257; *O.R.* 1902, 146.—Wellesley.

There is a slight doubt about the parentage of the last-mentioned plant, which we have not seen.

**513. P. × Romulus** (insigne × *nitens*).—Hye, 1894.

C. × *Romulus*, *G.C.* 1894, ii. 728; *Hans. O. Hyb.* 173; *ŷ. S. H. Fr.* 1898, 43; *Rev. H.* 1898, 71; *Desb. Cyp.* ed. 2, 411; *Dict. Ic. O. Cyp. hyb.* t. 59.—Hye.

C. × *Zeno*, *G.C.* 1894, ii. 731; *O.R.* 1895, 32.—Veitch.

C. × *Hebe*, *ŷ. S. H. Fr.* 1898, 288.—Peeters.

C. × *Troilus*, *G.C.* 1901, ii. 462; *O.R.* 1902, 26.—Fowler.

C. × *Sampaianum*, *ŷ. S. H. Fr.* 1899, 44.—Cardoso.

C. × *nitens* *Cleverley's* variety, *G.C.* 1902, ii. 430.—Fournier.

C. × W. H. Cannon, *Proth. & Mor. Sale Cat.* Jan. 14, 1898; *Sand. O. Guide*, 337.—Sander.

C. × Ville de Paris, *G.C.* 1903, i. 174, ii. 340; *O.R.* 1903, 115, 363; *G.M.* 1903, 839, f.—Wellesley.

**514. P. × roseum** (× *Leeanum* × *Lowii* ♀).—Corning, 1895.

C. × *roseum*, *Hans. O. Hyb.* 308.

**515. P. × Rosita** (*callosum* ♀ × *Charlesworthii*)—Low, 1902.



Fig. 74. PAPHIOPEDILUM × ROLFEI.

C. × (unnamed), *G.C.* 1902, i. 67; *O.R.* 1902, 54; *Dict. Ic. O. Cyp. hyb. t.*, 65.—Low.

C. × (unnamed), *J. S. H. Fr.* 1902, 631; 1903, 37.—Duval.

C. × *Rosita*, *O.R.* 1903, 54.—Charlesworth.

C. × *calloso-Charlesworthii*, *Rev. H.* 1903, 47, 101.—Fournier.

C. × Stanley Rogerson, *G.C.* 1903, ii. 411.—Rogerson.

**516. P. × Rossiaë** (× *Harrisianum* × *Swanianum* ♀).—Ross, 1894.

C. × Janet Ross, *O.R.* 1894, 311.—Ross.

**517. P. × Rossianum** (*barbatum* × *tonsum*), *O.R.* 1899, 35.—Ross, 1895.

C. × *Rossianum*, *O.R.* 1895, 359; 1896, 312.—Ross.

- 518. P. × Rossii** (insigne × Lowii).—Lewis, 1896.  
 C. × Rossii, *Hans. O. Hyb.* 308.—Lewis.  
 C. × Rossianum, *G.C.* 1896, i. 655.—Lewis.
- 519. P. × Rothwelliæ** (× alnum × niveum).—Rothwell, 1903.  
 C. × Mrs. James E. Rothwell, *Amer. G.* 1903, 462, f.—Rothwell.
- 520. P. × Rothwellianum** (Argus ♀ × Stonei).—Sander, 1896.  
 C. × Rothwellianum, *G.C.* 1896, ii. 310; *Boyle. Woodl. O.* 190, t.; *O.R.* 1896, 296, 320.  
 C. × Argo-Stonei, *G.C.* 1896, ii. 554.—Cookson.  
 C. × Bothwillianum. *Desb. Cyp.* ed. 2, 93 (a mistake for Rothwellianum).
- 521. P. × rotundum** (× Lathamianum × purpuratum).—Keeling, 1899.  
 C. × rotundum, *O.R.* 1899, 154.
- \* **522. P. × Rowena** (bellatulum × Chamberlainianum ♀), *O.R.* 1898, 168.—  
 R. H. Measures, 1898.  
 C. × Rowena, *Boyle Woodl. O.* 201.  
 \* C. × Edithæ, *G.C.* 1902, i. 281; *O.R.* 1902, 182.—Tunstill.
- \* **523. P. × rubescens** (Boxallii × œnanthum ♀), *ŷ. R. H. S.* xxiv. 101, f. 22.—Statter, 1893.  
 \* C. × rubescens, *G.C.* 1893, ii. 630; *O.R.* 1893, 375.  
 C. × Lucienianum, *ŷ. d. O.* iii. 314; *Lind.* viii. t. 362; *G.C.* 1894, i. 199; *O.R.* 1894, 155; *Desb. Cyp.* ed. 2, 318.—Linden.  
 C. × Madouxianum, *Bohnh. Dict. O. Hyb.* 25; *Desb. Cyp.* ed. 2, 328. —  
 Linden.  
 C. × Ranjitsinghi, *G.C.* 1897, ii. 58; *O.R.* 1897, 254.—Charlesworth.  
 There is a doubt about the precise origin of C. × Lucienianum.
- 524. P. × Saint-Hilda** (Boxallii ♀ × Curtisii).—Marwood, 1895.  
 C. × St. Hilda, *O.R.* 1895, 144.
- 525. P. × Salomonæ** (× Lathamianum ♀ × Spicerianum).—Bleu, 1891.  
 C. × Spicero-Lathamianum, *ŷ. S. H. Fr.* 1891, 139.—Bleu.  
 C. × Mrs. D. Solomon, *G.C.* 1897, i. 51; *O.R.* 1897, 62.—Sander.  
 C. × Mrs. D. Salomon, *Sand. O. Guide*, 57, 269.—Sander.  
 C. × Monarch, *Gard.* 1900, i. 164, f.—Law-Schofield.
- 526. P. × Sanderi** (× Calypso × nitens).—Sander, 1903.  
 C. × Louis Sander, *G.C.* 1903, i. 46; ii. 340; *O.R.* 1903, 51, 364.—Sander.
- 527. P. × Saron** (niveum × venustum).—R. I. Measures, 1897.  
 C. × Saron, *G.C.* 1897, ii. 388; *O.R.* 1898, 28.  
 C. × Lord Roberts, *G.C.* 1899, ii. 478; *O.R.* 1900, 29.—Charlesworth.
- 528. P. × Savageæ** (× Canhami × Curtisii).—Kimball, 1899.  
 C. × Anna Savage, *R. H. Meas. Cyp.* ed. 3, 8.—Kimball.
- † **529. P. × Savageanum** (× Harrisianum ♀ × Spicerianum), *Kerch. Liv.* d. O. 483.—Seeger and Tropp.  
 C. × Savageanum, *G.C.* 1888, ii. 407; *O.R.* 1893, 228.  
 C. × Seegerianum (Spicerianum ♀), *G.C.* 1888, ii. 407 (in note); *G. World*, 1888, 822; *Gard.* 1889, ii. 494; *O.R.* 1893, 228.—Seeger and Tropp.



- C. × Pitcherianum, *G.C.* 1889, i. 73, f. 10; *O.A.* x. t. 453 (Williams' var.); *ŷ.H.* 1892, i. 101, f. 15 (id.); *Will. O. Gr. Man.* ed. 7, 290, 291, f. (id.); *O.R.* 1893, 27, 262.—Cookson.
- C. × Osbornei, *G.C.* 1890, ii. 702; *G. World*, 1890, 238.—Buchan.
- C. × Adonis, *G.C.* 1891, ii. 591; *O.A.* xi. t. 500; *O.R.* 1893, 328; *Will. O. Gr. Man.* ed. 7, 226.—Williams.
- C. × Erycina, *R. H. Meas. Cyp.* ed. 1, 21.—R. H. Measures.
- C. × Kirckhoffianum, *R. H. Meas. Cyp.* ed. 1, 38.—Seeger.
- C. × Spicerio-Harrisi, *ŷ. S. H. Fr.* 1892, 611; *Desb. Cyp.* ed. 2, 432.—Moens.
- C. × Madame Cappe, *ŷard.* 1889, 265; *Gard.* 1889, ii. 397.—Cappe.
- C. × (unnamed), *ŷ. S. H. Fr.* 1889, 587; 1890, 116.—Cappe.
- C. × memoria Moensii, *Lind.* viii. t. 361.—Moens.
- C. × Moensii, *O.R.* 1893, 98; 1894, 335; *Desb. Cyp.* ed. 2, 344.—Moens.
- C. × Fiveanum, *G.C.* 1894, ii. 755.—Moens.
- C. × Mauriceanum, *O.R.* 1893, 118; *R.H. Meas. Cyp.* ed. 2, 77.—Block.
- C. × ashburtonioides, *R. H. Meas. Cyp.* ed. 2, 8.—Thompson.
- C. × Albert Truffaut, *G.C.* 1894, ii. 731; *O.R.* 1895, 32.—Sander.
- C. × (unnamed), *ŷ. S. H. Fr.* 1893, 652.—Opoix.
- C. × Souvenir de Madame Jules Dupré, *ŷ. S. H. Fr.* 1894, 583.—Opoix.
- C. × Mdlle. Louise Scellier de Gisors, *ŷ. S. H. Fr.* 1894, 694.—Opoix.
- C. × Souvenir de Jules Dupré, *ŷ. S. H. Fr.* 1895, 238.—Opoix
- C. × Harrisiano-Spicerianum, *ŷ. S. H. Fr.* 1896, 29.—Garden.
- C. × palatinum, *Wien. Ill. G. Zeit.* 1896, 105; 1897, 3, 115, t. 1.—Lauche.
- C. × Madame Emile Cappe, *ŷ. S. H. Fr.* 1897, 34.—Cappe.
- C. × ledeense, *Desb. Cyp.* ed. 2, 298; *R. H. Meas. Cyp.* ed. 3, 193.—Moens.
- C. × Gaetano, *G.C.* 1901, i. 146; *O.R.* 1901, 90.—Bennett-Pöe.
- 530. P. × **Schlesingerianum** (Boxallii × insigne), *Kerch. Liv. d. O.* 483.—Seeger & Tropp, 1891.
- C. × Schlesingerianum, *Gard.* 1891, i. 86; *O.R.* 1895, 74; *Desb. Cyp.* ed. 2, 420.—Seeger & Tropp.
- C. × sibyrolense, *ŷourn. d. O.* iii. 383; *Ill. H.* xl. 69, t. 179; *O.R.* 1893, 314.—Cahuzac.
- ▶ C. × Mons. de Curte, *G.C.* 1893, i. 486; *O.R.* 1895, 74; *Gard.* 1900, i. 164 f.—Vervæet.
- C. × Mme. de Curte, *G.C.* 1893, i. 486.—Vervæet.
- C. × Mrs. Tautz, *G.C.* 1893, ii. 798; *O.R.* 1894, 44.—Tautz.
- C. × W. W. Lunt, *Hans. O. Hyb.* 166.—Pitcher & Manda.
- C. × Nilssoni, *ŷ. S. H. Fr.* 1895, 178; 1896, 24.—Lebaudy.
- C. × Hoffmannianum, *G.C.* 1897, i. 51.—Sander.
- C. × René Vervæet, *G.C.* 1896, i. 84.—Vervæet.
- C. × Monsieur Henri Berthier, *ŷ. S. H. Fr.* 1898, 267.—Dutremblay.
- C. × Magnet, *G.C.* 1898, i. 47.—Ingram.
- C. × hybridum, *Bohnh. Dict. O. Hyb.* 21; *O.R.* 1896, 13, 14,

C. × *Paulii*, *Lind* xii. t. 571.—Miteau.

C × *Caroline*, *G.C.* 1903, i. 46; *Rev. H. Belge*, 1903, 47.—Janssens & Putzeys.

C. × *Chantino-Boxallii*, *ŷ. S. H. Fr.* 1899, 55.—Bleu.

C. × *fulshawense*, *G.C.* 1903, ii. 340; *O.R.* 1903, 363.—E. Ashworth.

**531. P. × Schofieldianum** (*bellatulum* ♀ × *hirsutissimum*).—Law-Schofield, 1896.

C. × *Schofieldianum*, *G.C.* 1896, i. 530; *O.R.* 1896, 159; *ŷ.H.* 1896, ii. 101, f. 19; *G.M.* 1896, 283, f.

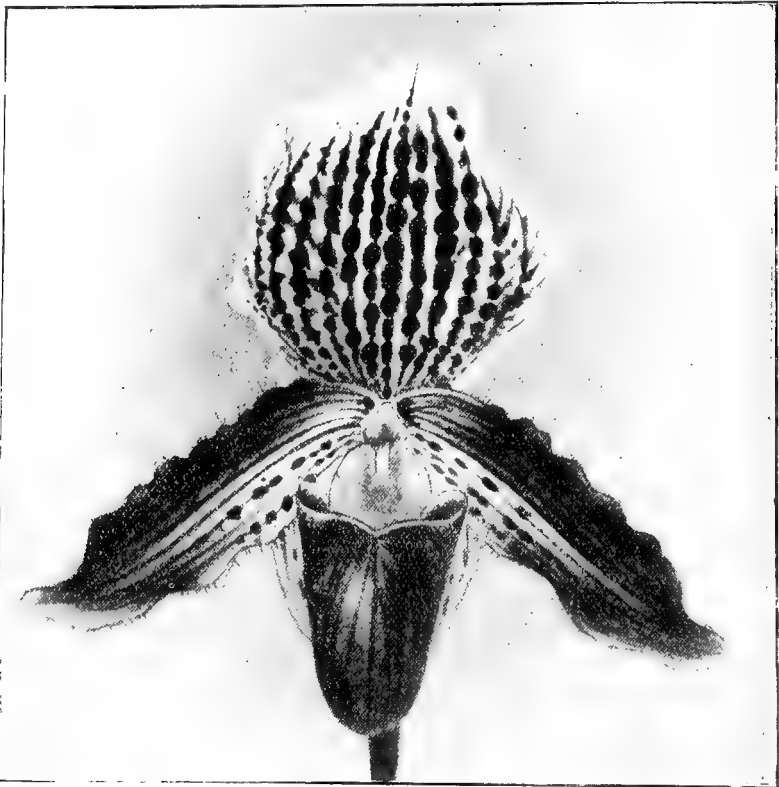


Fig. 75. PAPHIOPEDILUM × SCHRÖDERI.

**532. P. × Schröderi** (*Fairrieanum* × *œnanthum* ♀).—Veitch, 1896.

[See Fig. 75.]

C. × *Baron Schröder*, *G.C.* 1896, ii. 667; *ŷ.H.* 1896, ii. 533, f. 92; *G.M.* 1896, 890, f.; *O.R.* 1897, 29.—Veitch.

P. × *Baron Schröder*, *O.R.* 1900, 39; 1901, 81, f. 16; 1905, 42, f. 10; 136, f. 30 (v. *Germaine Opoix*), 137, f. 31 (v. *Gaston Bultel*).—Veitch.

C. × *Germaine Opoix*, *ŷard.* 1899, 303; *ŷ. S. H. Fr.* 1899, 831.—Opoix.

C. × *Gaston Bultel*, *ŷ. S. H. Fr.* 1900, 59; 1901, 372; *Rev. H.* 1904, 160, t.—Opoix.

C. × *Schroederæ*, *J.H.* 1902, ii, 526.—Charlesworth.

533. P × *Schusterianum* (*Hookeræ* × *villosum*).—Linden, 1900.

C. × *Schusterianum*, *G.C.* 1900, i, 110; *O.R.* 1900, 90.

534. P × *Scylla* (*Boxallii* × *Dayanum*), *O.R.* 1899, 55.—Graves, 1895.

C. × *Scylla*, *Amer. G.* March 23, 1895; *G.C.* 1895, i, 500.

535. P × *selligerum* (*barbatum* ♀ × *philippinense*), *Stein O.* 485; *J.R.H.S.* xxiv, 100, f. 15 (with its parents).—Veitch, 1878.

C. × *selligerum*, *G.C.* 1880, i, 776, 780, f. 133; *Fl. & Pom.* 1878, 85, f.; *O.A.* vi, t. 255; xi, t. 483 (v. *majus*); *O.R.* 1893, 99; *Dict. Ic. O. Cyp. hyb.* t. 37; *V.*



Fig. 76. PAPHIOPEDILUM × SIAMENSE (with its parents).  
(*P. callosum* in the centre and *P. Appletonianum* on the right).

*Man. O.* iv, 97, f.; *Lind.* i, t. 22 (v. *majus*); *Reichenb.* ser. 1, ii, 11, t. 54 (id.); *Orchidoph.* 1890, 272, t. (id.); *Day O. Draw.* xxv, t. i; xxxv, t. 63.

C. × *Peetersianum* (*philippinense* ♀), *G.C.* 1888, i, 331; *O.R.* 1893, 227.—Peeters.

C. × *Monica*, *G.C.* 1896, i, 40.—Burton.

536. P × *Sementa* (*superbiens* × *virens* ♀), *Kerch. Liv. d. O.* 483.—Bleu 1883.

C. × (unnamed), *J. S. H. Fr.* 1883, 443; 1884, 465.—Bleu.

C. × n. 1, *Rev. H.* 1885, 476.—Bleu.

C. × *javanico-superbiens*, *V. Man. O.* iv, 87; *O.R.* 1893, 102; *Desb. Cyp. ed.* 2, 275; *Day O. Draw.* lii, t. 5.—Bleu.

C. × *Sementa*, *Bergm. ex. Hans. O. Hyb.* 154.—Bleu.

There is a slight doubt about the parentage of this hybrid. It was first exhibited as a hybrid from *C. javanicum*, which was afterwards corrected to *C. javanicum virens*, with the statement that the latter was the seed parent. Hansen cites *Bergm. O. des Semis* as the authority for the name *C. × Sementa*, but it is not in the copy accessible to us (*ŷ. S. H. Fr.* 1892), except as *C. × javanico-superbiens* (p. 280).

\* **537. P. × Shillianum** (*× Gowerianum × Rothschildianum*), *O.R.* 1902, 287.—Law-Schofield, 1899.

*C. × Shillianum*, *G.C.* 1899, ii. 37; *O.R.* 1899, 247, 253, 311; *G. World*, 1899, ii. 57, f.

**538. P. × siamense** (*Appletonianum ♀ × callosum*), *O.R.* 1903, 44, f. 11 (with its two parents).—Young, 1903. [See Fig. 76.]

Originally described as a species, *C. siamense* (Rolfe in *G.C.* 1889, i. 192), but afterwards (*O.R.* iii. 20) considered to be a natural hybrid, with the parentage above indicated, which was afterwards proved by the late Mr. Reginald Young.

**539. P. × simile** (*ciliolare × Curtisii*).—Sander, 1897.

*C. ×* (unnamed), *O.R.* 1897, 199.—Sander.

*C. × Curtisio-ciliolare*, *G.C.* 1903, ii. 429; *O.R.* 1904, 19.—Wrigley.

\* **540. P. × simonii** (*insigne × Leea-num ♀*), *Kerch. Liv. d. O.* 483; *O.R.* 1899, 11.—Fournier, 1890.

*C. × Simonii*, *ŷ. S. H. Fr.* 1890, 138; *Rev. H.* 1890, 190; *Orchidoph.* 1891, 62 (“*Simonis*”); *ŷ. S. H. Fr.* 1897, 944 (“*Simonei*”).

*C. × Leopoldianum*, *G.C.* 1895, i. 333; *Desb. Cyp.* ed. 2, 309.—Hye.

\* *C. × Acteus*, *G.C.* 1897, ii. 352; *O.R.* 1897, 375; 1901, 368.—Veitch.

*C. × Leeano-superbo-Chantini*, *ŷ. S. H. Fr.* 1899, 53.—Page.

*C. × Marjorie*, *G.C.* 1900, i. 30; *O.R.* 1900, 58.—Wigan.

*C. × Hilda Davis*, *G.C.* 1900, ii. 466; *O.R.* 1901, 23.—C. S. Harris.

*C. × Putzeysii*, *G.C.* 1903, i. 46; *Rev. H. Belge*, 1903, 47.—Janssens and Putzeys.

**541. P. × Singletonianum** (*barbatum × vexillarium ♀*), *O.R.* 1900, 39; 1905, 68.—Singleton, 1896.

*C. × Singletonianum*, *G.C.* 1896, ii. 195; *O.R.* 1896, 286; *Gard.* 1896, ii. 130 (“*Singtonianum*”).

[See Fig. 77.]

**542. P. × Sirius** (*barbatum × Godefroyæ*).—Low, 1894.

*C. × J. Gurney Fowler (Godefroyæ ♀)*, *G.C.* 1894, i. 410; *O.R.* 1894, 156, 361, f. 34 (“*18.*”)—Low.

*C. × Sirius*, *G.C.* 1894, ii. 730; *O.R.* 1895, 32.—Veitch.

*C. × Rhenia*, *G.C.* 1897, i. 354; *R. H. Meas. Cyp.* ed. 3, 144.—R. I. Measures.

**543. P. × Smithianum** (*callosum ♀ × Druryi*).—Sander, 1896.

*C. × A. R. Smith*, *G.C.* 1896, i. 88; *O.R.* 1896, 64; *Desb. Cyp.* ed. 2, 427.—Sander.

**544. P. × Solon** (*Rothschildianum × tonsum ♀*).—Lawrence, 1900.

*C. × Rothschildiano-tonsum*, *G.C.* 1900, ii. 57; *O.R.* 1900, 251.—Lawrence.

**545. P. × Sophie** (*× Gowerianum × niveum*).—Rehder, 1902.

C. × *Sophie*, *G.C.* 1902, ii. 106; *O.R.* 1902, 274; 1903, 63.

C. × *Desdemona*, *Gard.* 1903, ii. Oct. 31, Suppl. vii.—Low.

**546. P. × *Spicero-niveum*** (*niveum* × *Spicerianum*).—Sander, 1893.

C. × *Spicero-niveum*, *R. H. Meas. Cyp.* ed. 2, 100.

C. × *Isabellæ*, *Amer. G.* March 23, 1895; *Hans. O. Hyb.* 153; *G.C.* 1885, i. 550; *O.R.* 1899, 28.—Williams.

C. × *Marriottianum*, *O.R.* 1895, 322, 351.—Marriott.

The parentage of the last-mentioned is somewhat doubtful.

♣ **547. P. × *southgatense*** (*bellatulum* × *Harrisianum*), *Kerch. Liv. d. O.* 483.—Lewis, 1892.

C. × *southgatense*, *G.C.* 1892, i. 698; 1893, ii. 630; *ŷ.H.* 1892, ii. 39, f. 6; *O.R.* 1893, 11.

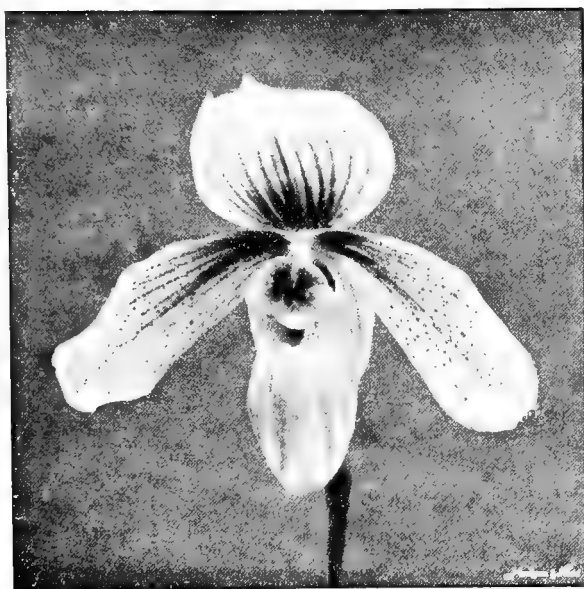


Fig. 77. PAPHIOPEDILUM × SIRIUS VAR. J. GURNEY FOWLER.

♣ C. × *Fowlerianum*, *G.C.* 1895, i. 337; *O.R.* 1895, 128.—Sander.

C. × *Macfarlanei*, *O.R.* 1901, 350.—Statter.

**548. P. × *stamfordiense*** (× *Chapmanii* × *Harrisianum*).—Pitt, 1901.

C. × (unnamed) *G.C.* 1901, ii. 172; *O.R.* 1901, 284.—Pitt.

**549. P. × *standense*** (*Lawrenceanum* × *Numa*).—Statter, 1902.

C. × (unnamed), *G.C.* 1902, ii. 293; *O.R.* 1902, 342.—Statter.

**550. P. × *Statterianum*** (*Spicerianum* ♀ × *vexillarium*), *Kerch. Liv. d. O.* 483; *O.R.* 1900, 39; 1905, 68; 1906, 89, f. 11.—Statter, 1893. [See Fig. 78.

C. × *Statterianum*, *G.C.* 1893, ii. 536; *O.R.* 1893, 373; *ŷ.H.* 1893, ii. 417, f. 61.

C. × *Janus*, *R. H. Meas. Cyp.* ed. 2, 61; *G.C.* 1895, i. 501.—R. H. Measures.

**551. P. × *Stevensii*** (× *Calypso* × *Lathamianum*).—Thompson, 1902.

C. × *Stevensii*, *G.C.* 1902, i. 50, 67; *O.R.* 1902, 51, 54.

552. **P.** × **Stottianum** (*Charlesworthii* × *cœnanthum*).—Law-Schofield, 1901.

*C.* × *Stottianum*, *G.C.* 1901, ii. 102.

553. **P.** × **Straeteni** (× *Canhami* × *Leeanum*).—Sander, 1896.

*C.* × *Henri Van der Straeten*, *G.C.* 1896, i. 88; *O.R.* 1896, 64.—Sander.

554. **P.** × **streathamense** (*Fairrieanum* × *Lawrenceanum* ♀).—R. H. Measures, 1893.

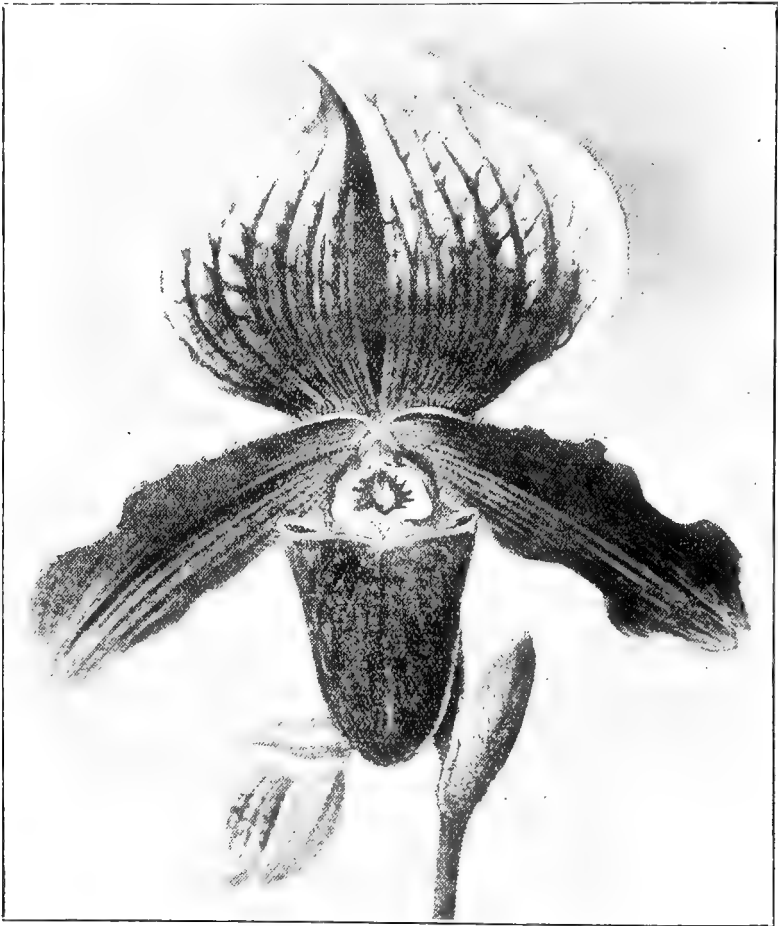


Fig. 78. PAPHIOPEDILUM × STATTERIANUM.

*C.* × *Fairrieano-Lawrenceanum*, *O.R.* 1893, 307; 1894, 29; *G.M.* 1893, 728, f.; *J.H.* 1894, i. 45, f. 7.

*C.* × *Lawrenceo-Fairrieanum*, *R. H. Meas. Cyp.* ed. 3, 103; *Rev. H.* 1903, 257.—R. H. Measures.

*P.* × *Fairrieano-Lawrenceanum*, *O.R.* 1900, 10; 1905, 17.—R. H. Measures.

555. **P.** × **superciliare** (*barbatum* ♀ × *superbiens*), *Stein O.* 488.—Veitch, 1876.

C. × *superciliare*, *G.C.* 1876, i. 795 ; *O.R.* 1893, 39 ; *V. Man. O.* iv. 98 ; *Dict. Ic. O. Cyp. hyb.* t. 38 ; *Desb. Cyp.* ed. 2, 443 ; *Day O. Draw.* xxxiv. t. 77 ; *Berl. Gart. Zeit.* 1885, 450, 451, f. 107.

C. × *barbato-Veitchianum*, *ŷ. S. H. Fr.* 1887, 709 ; *Orchidoph.* 1889, 10 ; *Lind.* v. t. 228.—Bleu.

C × *Warnero-superbiens*, *G.C.* 1892, ii. 301 ; *Gard. & For.* 1892, 510, 511, f. 87.—Graves.

C. × *barbato-superbiens*, *G.C.* 1891, i. 682.—Sander.



Fig. 79. PAPHIOPEDILUM × TAUTZIANUM VAR. YOUNGHII.

C. × *Boucardi*, *G.C.* 1896, ii. 534 ; *O.R.* 1896, 350 (unnamed).—Mantin.

C. × *Cappei*, *R. H. Meas. Cyp.* ed. 2, 20 ; ed. 3, 32.—Cappe.

**556. P. × Sutherlandiæ** (*Rothschildianum* × *Youngianum* ♀).—Sander, 1899.

C. × *Duchess of Sutherland*, *G.C.* 1899, ii. 58 ; *O.R.* 1899, 254.—Sander.

**557. P. × Suttonæ** (*Chamberlainianum* × *niveum*).—Sutton, 1902.

C. × *Mrs. A. W. Sutton*, *G.C.* 1902, i. 50 ; *O.R.* 1902, 51.—Sutton.

C. × *Godiva*, *G.C.* 1902, i. 218 ; *O.R.* 1902, 118.—Charlesworth.

**558. P × Swanianum** (*barbatum* × *Dayanum* ♀), *Stein, O.* 488.—Leech, 1876.

C. × Swanianum, *G.C.* 1876, ii. 36; *O. R.* 1893, 39; *V. Man. O.* iv. 98; *ŷ. S. H. Fr.* 1900, 391; *Day O. Draw.* xl. t. 11.

C. × delicatulum, *G.C.* 1887, ii. 552; *O. R.* 1893, 196.—Drewett.

C. × Wiganizæ, *R. H. Meas. Cyp.* ed. 3, 203; *Desb. Cyp.* ed. 2, 482.—Wigan.

C. × Crossi-Dayanum, *ŷ. S. H. Fr.* 1896, 110.—Opoix.

**559. P. × Swinburnei** (*Argus* × *insigne* ♀), *Kerch. Liv. d. O.* 483; *ŷ. R. H. S.* xxiv. 100, f. 16 (with its parents).—Heath, 1892.

C. × Swinburnei, *G.C.* 1892, i. 88, 136; *O. R.* 1893, 11; *Dict. Ic. O. Cyp.* hyb. t. 48.

C. × *Argus-Chantini*, *ŷ. S. H. Fr.* 1901, 34; 1903, 37.—Doin.

**560. P. × Symondsizæ** (*purpuratum* × *venustum*).—Ross, 1896.

C. × *Symondsizæ*, *O. R.* 1896, 16, 34.

C. × *meirax*, *G.C.* 1880, ii. 524; *O. A.* ii. t. 95; *V. Man. O.* iv. 91; *O. R.* 1893, 70; 1905, 291, 295; *Day O. Draw.* xxxix. t. 65.—Warner.

The second parent of *C. meirax* is doubtful, but the absence of warts on the petals long ago suggested *C. purpuratum* to Mr. Day, and if this is correct the name *Symondsizæ* will have to be superseded.

**561. P. × Syrinx** (*tonsum* ♀ × *Youngianum*).—Young, 1902.

C. × *Syrinx*, *Dict. Ic. O. Cyp.* hyb. t. 55.

**562. P. × Tacita** (*tonsum* × *Measuresianum* ♀), *Kerch. Liv. d. O.* 483.—Graves, 1893.

C. × *Tacita*, *Gard. & For.* 1893, 105; *O. R.* 1893, 119.

**563. P. × Tantalus** (*Mastersianum* × *tonsum* ♀).—Young, 1901.

C. × *Tantalus*, *G.C.* 1901, i. 197.

**564. P. × Tautzianum** (*barbatum* × *niveum* ♀), *Stein O.* 488; *O. R.* 1901, 241, f. 33 (v. *Youngii*).—Veitch, 1886. [See Fig. 79.]

C. × *Tautzianum*, *G.C.* 1886, ii. 681; 1888, ii. 756 (v. *lepidum*); 1889, i. 237 (id.); *V. Man. O.* iv. 98; *O. R.* 1893, 132; 1897, 364 (v. *lepidum*); *Reichenb.* ser. 1, ii. 35, t. 65; *Gard.* 1899, i. 86.

C. × *lepidum*, *R. H. Meas. Cyp.* ed. 2, 67.—Bull.

**565. P. × Tennyson** (*Dayanum* × *œnanthum* ♀), *Kerch. Liv. d. O.* 483. McArthur, 1893.

C. × *Tennyson*, *G.C.* 1893, ii. 490; *O. R.* 1893, 364.

**566. P. × tessellatum** (*barbatum* × *concolor*), *Stein. O.* 488; *ŷ. R. H. S.* xxvi. 693.—Veitch, 1875.

C. × *tessellatum*, *G.C.* 1875, ii. 614; *G.C.* 1881, i. 41 (v. *porphyreum*); *O. R.* 1893, 38; *Lind.* i. t. 18; *ŷ. H.* 1888, i. 382, f. 43; *Dict. Ic. O. Cyp.* hyb. t. 14; *G. M.* 1894, 732, f.; *ŷ. S. H. Fr.* 1902, 35; *Day O. Draw.* xxx. t. 35 (v. *porphyreum*).

C. × *Lavinia*, *Boyle Woodl. O.* 200.—R. H. Measures.

**567. P. × Thalia** (*insigne* × *Schrœderi*), *O. R.* 1905, 107, f. 24. (v. *punctatum*).—Veitch, 1902. [See Fig. 80.]

C. × *Thalia*, *G.C.* 1902, ii. 344; *O. R.* 1902, 363.

**568. P. × Thayerianum** (*Boxallii* × *Lawrenceanum*), *Kerch. Liv. d. O.* 484.—Sander, 1893.



C. × Thayerianum, *G.C.* 1893, ii. 192; *O.R.* 1893, 288.

C × Whitelyanum, *G.C.* 1895, ii. 307.—Shaw.

C. × Diomede, *Desb. Cyp.* ed. 2, 162.—Vuylsteke.

The parentage of the last-named is somewhat doubtful.

569. **P.** × **Thomyris** (× *Hera* (*robustum*) × *superciliare*).—Dallemane, 1901.

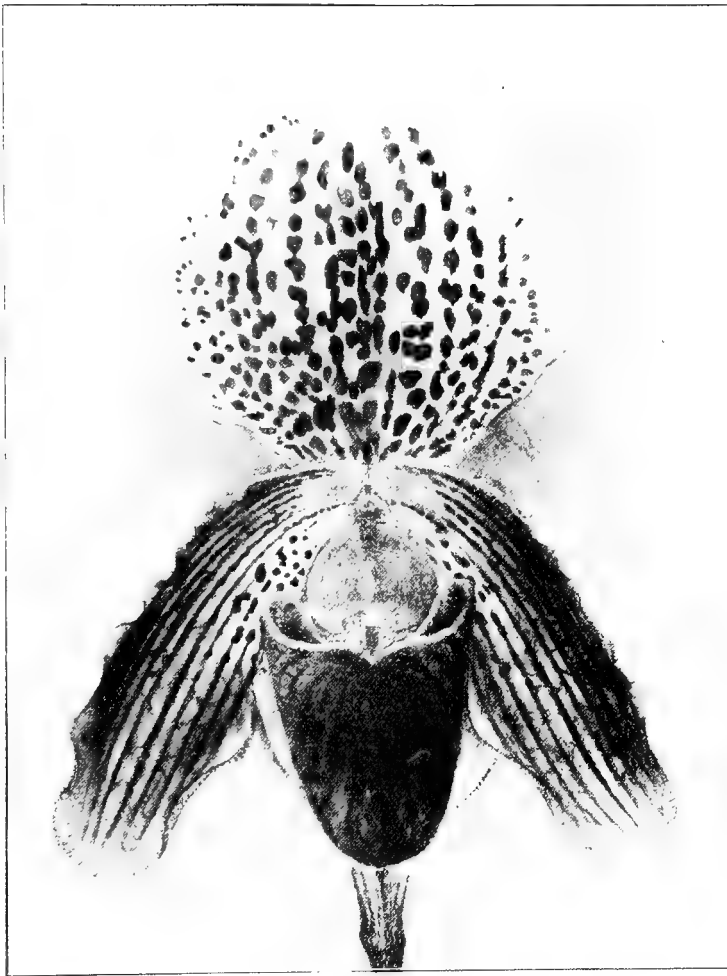


Fig. 80. PAPHIOPEDILUM × THALIA VAR. PUNCTATUM.

C. × Thomyris, *J.S.H.Fr.* 1901, 841.

570. **P.** × **Thorntoni** (*insigne* × *superbiens* ♀), *Kerch. Liv. d. O.* 484.—Thornton, 1887.

C. × (unnamed), *G.C.* 1887, ii. 398.—Thornton.

C. × *Thorntoni*, *Hans. O. Hyb.* 178; *Amer. G.* 1898, 792 (v. *Blonbergi*).—Thornton.

C. × G. H. Rogers (insigne ♀), *G.C.* 1895, ii. 192; *O.R.* 1895, 288.—Williams.

**571. P. × Thyades** (Chamberlainianum × superbiens ♀).—R. I. Measures, 1899.

C. × Thyades, *G.C.* 1899, i. 286; *O.R.* 1899, 189; *Gard.* 1899, i. 351.

**572. P. × Tia** (exul × chloroneuron (Ianthé)).—Rehder, 1903.

C. × Tia, *G.C.* 1903, i. 108; *O.R.* 1903, 82.

C. × ex-Ianthé, *G.C.* 1903, ii. 377; *O.R.* 1903, 365.—Rehder.

C. × Zia, *G.C.* 1903, ii. 429; *O.R.* 1904, 19.—Rehder.

◊ **573. P. × Transvaal** (Chamberlainianum × Rothschildianum).—Appleton, 1901.

◊ C. × Transvaal, *G.C.* 1901, ii. 172; 1902, ii. 361, f. 123 (v. *superbum*); *O.R.* 1901, 284; *ŷ.H.* 1902, ii. 445, f. (v. *superbum*); *G. World*, 1903, 731, f.

**574. P. × Treleasei** (Parishii × Rothschildianum ♀).—Sander, 1898.

C. × William Trelease, *G.C.* 1898, ii. 203; *O.R.* 1898, 317.—Sander.

**575. P. × tringiense** (barbatum ♀ × Rothschildianum).—Sander, 1897.

C. × (unnamed), *G.C.* 1897, ii. 188.—Sander.

C. × barbato-Rothschildianum, *O.R.* 1897, 319; 1903, 243; *G.C.* 1903, i. 78.—Sander.

◊ **576. P. × triumphans** (× nitens × œnanthum), *Kerch. Liv. d. O.* 484; *ŷ.R.H.S.* xxiv. 97.—Hye, 1893.

C. × triumphans, *Rev. H. Belge.* 1893, 228; *O.R.* 1893, 316; *Dict. Ic. O. Cyp. hyb.* t. 6; *G.C.* 1894, i. 198.

**577. P. × Truffautiæ** (ciliolare ♀ × Stonei).—Sander, 1895.

C. × Madame Georges Truffaut, *G.C.* 1895, i. 82; *O.R.* 1895, 64, 73.—Sander.

C. × Georges Truffaut, *R. H. Meas. Cyp.* ed. 3, 62; *Boyle Woodl. O.* 194.—Mantin.

**578. P. × Tryanowskyanum** (insigne ♀ × Io), *Kerch. Liv. d. O.* 484.—Sander, 1894.

C. × Tryanowskyanum, *O.R.* 1894, 43.

C. × gloriosum, *G.C.* 1894, ii. 447; *O.R.* 1894, 350, 365.—Statter.

**579. P. × Tryonianum** (× Harrisianum ♀ × superbiens), *Kerch. Liv. d. O.* 484.—Tate, 1893.

C. × Tryonianum, *G.C.* 1893, ii. 134; *O.R.* 1893, 285.

C. × Veitchi-Dauthieri, *ŷ. S. H. Fr.* 1894, 577.—Opoix.

C. × Madame Silva Freire, *ŷ. S. H. Fr.* 1897, 752; 1898, 286.—Cardoso.

C. × grossum, *Wien. Ill. G. Zeit.* 1902, 109, t. 1; *O.R.* 1902, 159.—Hruby.

There is a slight doubt about the origin of the last-named.

◊ **581. P. × Ultor** (Lawrenceanum ♀ × Sanderianum).—Young, 1903.

C. × Ultor, *G.C.* 1903, ii. 28, 64; *O.R.* 1903, 242; *Gard.* 1903, ii. 155, f.

**582. P. × Una** (Godefroyæ (v. *leucochilum*) × villosum ♀), *O.R.* 1903, 59.—Appleton, 1903.

**583. P. × Unixia** (× Harrisianum ♀ × Lawrebel).—R. I. Measures, 1900.

C. × *Unixia*, *G.C.* 1900, ii. 214 ; *O.R.* 1900, 314.

**584. P. × *Urania*** (*Charlesworthii* × *Io* ♀).—Cappe, 1900.

C. × (unnamed), *ŷ.S.H.Fr.* 1900, 537.—Cappe.

C. × *Urania*, *G.C.* 1901, i. 374 ; *O.R.* 1901, 218.—Cappe.



Fig. 81. PAPHIOPEDILUM × VENETIA.

C. × *Martin-Cahuzac*, *ŷ.S.H.Fr.* 1901, 410 ; 1902, 500 ; *Rev. H.* 1901, 419.

—Cappe.

**585. P. × *Uriel*** (*javanicum* × *Leeanum*).—Oakes Ames, 1900.

C. × Uriel, *Amer. G.* 1900, 151; *Chron. O.* i. 342.

586. **P.** × **Vacuna** (*Rothschildianum* × *villosum* ♀).—Veitch, 1898.

C. × *Rothschildiano-villosum*, *G.C.* 1898, ii. 168; *O.R.* 1898, 287.—Veitch.

587. **P.** × **Vanneræ** (*Curtisii* ♀ × *selligerum*), *O.R.* 1902, 316, 317.—Vanner, 1895.

C. × *Vanneræ*, *G.C.* 1895, i. 402; *O.R.* 1895, 144, 157.

588. **P.** × **Vanneri** (× *Calypso* ♀ × *Chamberlainianum*), *O.R.* 1901, 190.—Vanner, 1901.

C. × *Chamber-Calypso*, *G.M.* 1903, 141. Sander.

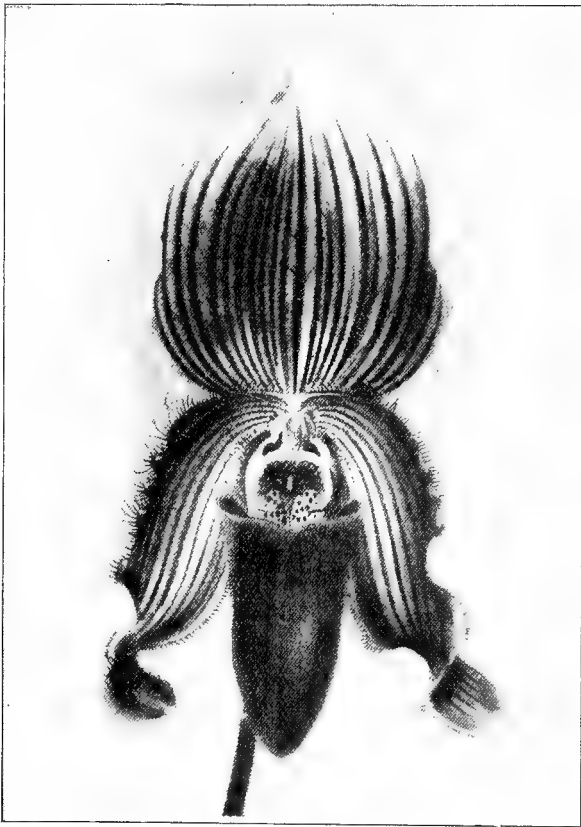


Fig. 82. PAPHIOPEDILUM VEXILLARIUM VAR. REX.

589. **P.** × **Vanninii** (× *Io* × *Lawrenceanum*).—Ross, 1897.

C. × *Vanninii*, *O.R.* 1897, 132, 196.

590. **P.** × **Yenetia** (*Lawrenceanum* × *Morganianæ*), *O.R.* 1902, 241, f. 25.—Ross, 1902.

[See Fig. 81.]

591. **P.** **venubel** (*bellatulum* × *venustum*).—Bennett, 1895.

C. × *bellatulo-venustum*, *G.C.* 1895, i. 402; *O.R.* 1895, 157.—Bennett.

C. × *venubel*, *J.H.* 1899, i. 315, f. 73.—Bennett.

592. **P.** × **Venus** (*insigne* × *niveum*).—Hollington, 1890.

C. × Muriel Hollington, *G.C.* 1890, ii. 570; *O.R.* 1893, 327; 1897, 37 (in note).—Hollington.

♂ C. × Venus, *R. H. Meas. Cyp.* ed. 2, 107 (second entry); ed. 3, 169 (first entry); *O.R.* 1902, 62; *G.C.* 1895, i. 200; 1902, i. 86, [91, f. 31 (Oakwood var.); *J.H.* 1902, i. 123, f. (id.); *G. World*, 1903, 315, 316, f.—R. H. Measures.

P. × niveo-insigne, *O.R.* 1897, 37.—Sander.

♂ C. × Mrs. E. V. Low, *G.C.* 1897, ii. 10; *O.R.* 1897, 223, 253. —Low.

The parentage of C. × Muriel Hollington has been doubted, but we are convinced that it belongs here.

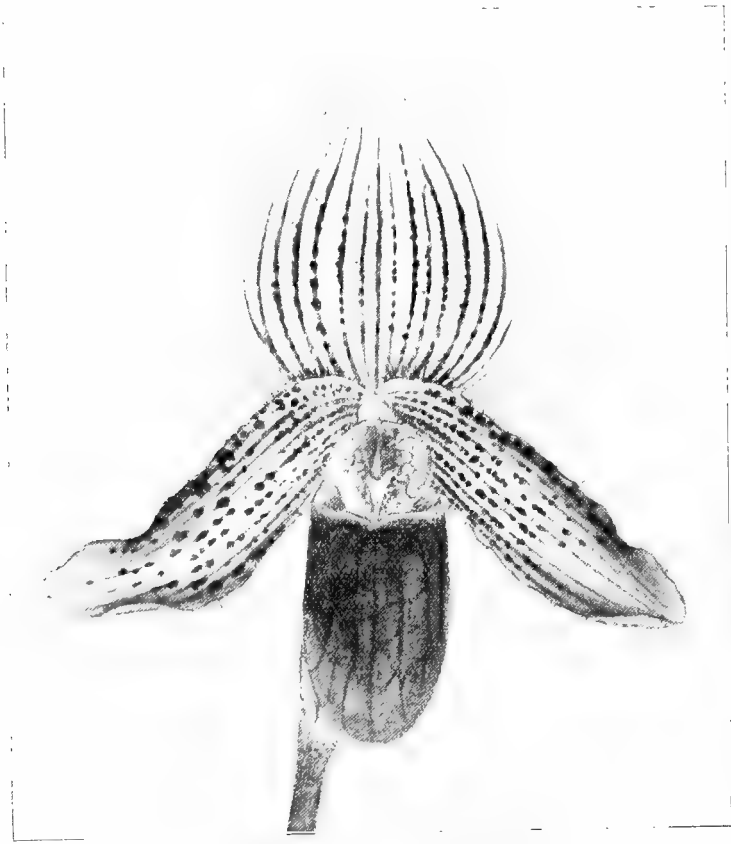


Fig. 83. PAPHIOPEDILUM × VEXILL-IO.

593. P. × **vernixioides** (*Boxallii* × *javanicum*).—Graves, 1895.

C. × *vernixioides*, *Amer. G.* March 23 1895; *G.C.* 1895, i. 550; *Hans. O. Hyb.* 180.

594. P. × **vernixium** (*Argus* ♀ × *villosum*), *Stein. O.* 489.—Veitch, 1878.

C. × *vernixium*, *G.C.* 1879, i. 398; *O.R.* 1893, 69; *Veitch Man. O.* iv. 99; *Desb. Cyp.* ed. 2, 464; *Day. O. Draw.* xxxii. t. 97.

C. × *Smeeanum*, *G.C.* 1894, ii. 670; *O.R.* 1895, 29.—Smee.

C. × *auricularum*, *R. H. Meas. Cyp.* ed. 2, 6.—De Cock.

**595. P. × vexillarium** (barbatum ♀ × Fairrieianum), *Stein. O.* 489; *O.R.* 1900, 7, f. 1; 1905, 16, f. 3 (v. Rex).—Veitch, 1870. [See Fig. 82.]

C. × vexillarium, *G.C.* 1870, 1373; 1880, i, 780, 781, f. 135 (selligerum, by error); 1887, i, 456, f. 87; *Fl. & Pom.* 1880, 13, f.; *O.A.* x. t. 447; *Lind.* vii. t. 309; *V. Man. O.* iv. 100, f.; *O.R.* 1893, 35, 297, f. 15; *Desb. Cyp.* ed. 2, 466; *Day O. Draw.* xxviii. t. 9; *G. World*, 1903, 682, f.

C. × Warocqueanum, *Rev. H. Belge*, 1892, 263; *Desb. Cyp.* ed. 2, 479.—Warocque.

**596. P. × vexill-IO** (× Io × vexillarium ♀), *Kerch. Liv. d. O.* 484; *O.R.* 1905, 69, f. 16.—Cookson, 1893. [See Fig. 83.]

C. × vexill-IO, *G.C.* 1893, i, 752; *O.R.* 1893, 223; *G. World*, 1903, 682, f.

**597. P. × Vibilia** (insigne × Sementa).—Graves, 1895.

C. × Vibilia, *Amer. G.* March 23, 1895; *G.C.* 1895, i, 550; *Hans. O. Hyb.* 181.

**598. P. × Vidor** (× Canhami × Harrisianum).—R. I. Measures, 1900.

C. × Vidor, *G.C.* 1900, ii. 313; *O.R.* 1900, 347; *ŷ. H.* 1900, ii. 393, f. 108.

The record of C. × Leeianum as one parent is believed to be erroneous.

**599. P. × Vigerianum** (barbatum × superciliare).—Mantin, 1892.

C. × Vigerianum, *ŷ. S. H. Fr.* 1895, 502; *G.C.* 1895, ii. 100; *Rev. H.* 1895, 359.

C. × Ministre A. Viger, *Hans. O. Hyb.* 163.—Mantin.

C. × Boucardii, *G.C.* 1896, ii, 534.—Mantin.

C. × (unnamed), *O.R.* 1896, 350.—Mantin.

C. bellatulum × barbato-Veitchii, *ŷ. S. H. Fr.* 1898, 288.—Bleu.

**600. P. × Villeboisii** (Charlesworthii ♀ × ciliolare).—Cappe, 1900,

C. × Colonel de Villebois-Mareuil, *ŷ. S. H. Fr.* 1901, 29; *Rev. H.* 1901, 131.—Cappe.

C. × Villebois-Mareuil, *ŷ. S. H. Fr.* 1902, 35; *Dict. Ic. O. Cyp.* hyb. t. 63.—Cappe.

**601. P. × villexul** (exul × villosum).—R. I. Measures, 1903.

C. × villexul, *G.C.* 1903, i, 174; *O.R.* 1903, 115; 1904, 101.

**602. P. × Violettae** (× nitens × venustum ♀), *O.R.* 1903, 176.—Mantin, 1900; E. F. Clark.

C. × (unnamed), *ŷ. S. H. Fr.* 1900, 113.—Mantin.

**603. P. × Vipani** (niveum × philippinense ♀), *Kerch. Liv. d. O.* 484; *ŷ.R.H.S.* xxvi. 693.—Vipan, 1890. [See Fig. 84.]

C. × Vipani, *G.C.* 1890, i, 792; *ŷ.H.* 1892, i, 420, 421, f. 73; *G.M.* 1892, 306, f.; *O.R.* 1893, 245, 294; 1897, 241, f. 11 (v. Corningii); *Amer. G.* 1899, 428, 429, f. 111 (Corning's var.).

C. × Corningii, *O.R.* 1897, 241 (in note).—Corning.

C. × striatum, *ŷ.R.H.S.* xvi. Proc. 103; *O.R.* 1898, 365.—Ingram.

**604. P. × Vitazo** (Charlesworthii ♀ × Gowerianum).—Loveless, 1901.

C. × Vitazo, *Amer. G.* 1901, 731.

C. × Belinda, *Charlesw. Cat.* Jan. 1902; *Sand. O. Guide*, 334.—Charlesworth.

605. **P. × Warburtoni** (Curtisii × Morgania).—Warburton, 1901.

C. × (unnamed), *O.R.* 1901, 253.—Warburton.

606. **P. × Watsonianum** (concolor × Harrisianum ♀), *Kerch. Liv. d. O.* 484.—Sander, 1893.

C. × Watsonianum, *O.R.* 1893, 244; 1898, 85.

C. × J. H. Berry, *G.C.* 1895, i. 82; *O.R.* 1895, 64.—Sander.

607. **P. × Wendlandianum** (× cenanthum ♀ × venustum), *Kerch. Liv. d. O.* 484.—Sander, 1895.

C. × Wendlandianum, *Hans. O. Hyb.* 181; *O.R.* 1896, 38; *Sand. O. Guide* 1901, 274 (first entry).

A second C. × Wendlandianum is considered to be a form of P. × bellinum.

608. **P. × westoniense** (Appletonianum ♀ × barbatum), *O.R.* 1898, 112.—Appleton, 1898.



Fig. 84. PAPHIOPEDILUM × VIPANI VAR. CORNINGII.

609. **P. × whalleyense** (× nitens × Stonei).—Gratrix, 1899.

C. × Stoneo-Sallieri, *O.R.* 1899, 370.—Gratrix.

610. **P. × whitefieldiense** (× Ashburtonæ ♀ × Numa).—Statter, 1895.

C. × annamense, *G.C.* 1895, i. 468; *O.R.* 1896, 63.—Statter.

The specific name is changed, annamense being misleading for a hybrid of garden origin.

611. **P. × Whitei** (concolor × Leanum).—Law-Schofield, 1899.

C. × Sir George White, *O.R.* 1899, 371.—Law-Schofield.

612. **P. × Wiganianum** (× Ashburtonæ × Harrisianum), *Kerch. Liv. d. O.* 484.—Wigan, 1893.

C. × *Wiganianum*, *O.R.* 1894, 143.

The parentage is somewhat doubtful.

**613. P. × *Wilsonæ*** (*Argus* × *Sanderianum* ♀).—Drewett, 1901.

C. × *Miss Fanny Wilson*, *G.C.* 1901, ii. 172; 1902, i. 50; *O.R.* 1901, 285; 1902, 50. —Drewett.

**614. P. × *Wincqzianum*** (× *Harrisianum* × *Haynaldianum*).—Opoix, 1896.

C. × (unnamed) *ŷ. S. H. Fr.* 1896, 132. —Opoix.

C. × *Wincqzianum*, *Scm. H.* 1898, 295; *Lind.* xiii. t. 620; *O.R.* 1898, 256; *Chron. O.* 159. —Linden.

C. × *Luxemburgianum*, *ŷ. S. H. Fr.* 1899, 153. —Opoix.

C. × *Dauthieri-Haynaldianum*, *ŷ. S. H. Fr.* 1900, 840. Dallemagne.

**615. P. × *Winnia*** (*purpuratum* × *Stonei* ♀).—Winn, 1892.

C. × *Edith Winn*, *G.C.* 1892, ii. 138; *O.R.* 1893, 308.—Winn.

**616. P. *Winnianum*** (*Druryi* × *villosum* ♀), *Stein O.* 491; *ŷ. R. H. S.* xxiv. 99.—Veitch, 1886.

C. × *Winnianum*, *G.C.* 1886, i. 362; *V. Man. O.* iv. 100; *ŷ. H.* 1893, ii. 71, f. 12; *O.R.* 1893, 131; *Dict. Ic. O.* Cyp. hyb. t. 18.

C. × *Druryo-villosum*, *ŷ. S. H. Fr.* 1891, 198.—(Veitch) Finet.

C. × *senonense*, *ŷ. S. H. Fr.* 1897, 745.—Gibez.

**617. P. × *Wittii*** (*Lowii* × *Spicerianum* ♀).—Low, 1889.

C. × *De Witt Smith*, *G.C.* 1889, ii. 6; *O.R.* 1893, 262.—Low.

C. × *Spicero-Lowianum*, *G.C.* 1893, ii. 470; *O.R.* 1893, 351; *Desb. Cyp.* ed. 2, 433.—Linden.

C. × *Spicero-Lowii*, *R. H. Meas. Cyp.* ed. 3, 158.—Linden.

C. × *Dallemagnei*, *Lind.* ix. t. 411; *O.R.* 1894, 219. —Linden.

C. × *Smithii* v. *pretiosa*, *Amer. G.* March 23, 1895; *G.C.* 1895, i. 550.—Corning.

C. × (unnamed), *ŷ. S. H. Fr.* 1897, 42.—Lebaudy.

**618. P. × *Woden*** (× *Leeanum* × *superbiens*).—R. I. Measures, 1902.

C. × *Woden*, *G.C.* 1902, i. 50; *O.R.* 1902, 50.

**619. P. × *woodfordiense*** (*Charlesworthii* × *Cymatodes*).—Fowler, 1900.

C. × *woodfordiense*, *G.C.* 1900, i. 110; *O.R.* 1900, 89.

**620. P. × *Wottoni*** (*bellatulum* × *callosum* ♀), *O.R.* 1902, 313.—R. I. Measures, 1896. [See Fig. 85.]

C. × *Wottoni*, *G.C.* 1896, i. 337; *O.R.* 1896, 124; *ŷ. H.* 1899, i. 61, f. 12.

C. × *rubens*, *G.C.* 1897, i. 115.—Statter.

C. × *calloso-bellum*, *G.C.* 1896, i. 337; *O.R.* 1896, 122.—Lawrence.

C. × *callo-bellum*, *O.R.* 1898, 45.—Lawrence.

C. × *Paris*, *O.R.* 1893, 87, 88, f. 6; 288; *G.C.* 1893, i. 444 —(Hall?) R. H. Measures.

P. × *Paris*, *Kerch. Liv. d. O.* 482; *O.R.* 1902, 313, f. 34; *ŷ. R. H. S.* xxvi. 692.—R. H. Measures.

C. × *Paris* was originally described as a hybrid between C *bellatulum* and



*C. Stonei*, but it shows no trace of the latter. Since then *C. callosum* has been suggested as the second parent, but the precise origin remains doubtful.

**621. P. × Wrightiæ** (*Chamberlainianum* × *Lathamianum*).—Sutton, 1902.

*C.* × Jessie Wright, *G.C.* 1902, i. 50 ; *O.R.* 1902, 51.—Sutton.

*C.* × Menas, *G.C.* 1902, i. 346 ; *O.R.* 1902, 181.—Veitch.

*C.* × Lath-Chamber, *Hans. O. Hyb.* 298.—McMeeking. This record apparently applies to some unflowered seedlings, and we find no confirmation.



Fig. 85. PAPHIOPEDILUM × WOTTONI VAR. PARIS.

**622. P. × Wrigleyi** (*Charlesworthii* × *villosum*).—Wrigley, 1902.

*P.* × (unnamed), *O.R.* 1902, 124 —Wrigley.

**623. P. × wyndhurstense** (*Charlesworthii* × *Euryale*).—Loveless, 1901.

*C.* × *wyndhurstense*, *Amer. G.* 1901, 731.

**624. P. × xanthophyllum** (*Hookeræ* × *Mastersianum*), *Kerch. Liv. d. O.*

485. —R. H. Measures, 1893.

*C.* × *xanthophyllum*, *R. H. Meas. Cyp.* ed. 2, 111.

The parentage of this hybrid is doubtful.

**625. P. × Xuthus** (Appletonianum × chloroneurum ♀), *O.R.* 1902, 56.—Young, 1901.

**626. P. × Youngiæ** (bellatulum ♀ × Hookeræ), *O.R.* 1901, 186, 196.—Young, 1901.

C. × Youngiæ, *G.C.* 1901, May 25, suppl. 1; *Dict. Ic. O. Cyp. hyb.* t. 49.

**627. P. × Youngianum** (philippinense × superbiens ♀), *Stein. O.* 491; *ŷ.R.H.S.* xxvi. 693.—Sander, 1890.

C. × Youngianum, *G.C.* 1890, ii. 183; 1892, ii. 138; *Reichenb.* ser. 2, i. 65, t. 31; *O.R.* 1893, 295; *Dict. Ic. O. Cyp. hyb.* t. 10; *ŷ. H.* 1891, ii. 405, f. 78; *ŷ. S. H. Fr.* 1895, 241.

C. × Corningianum, *G.C.* 1891, ii. 199.—Veitch.

C. × Clovenford's, *G.C.* 1892, i. 502; *ŷ.R.H.S.* xv. Proc. 158; *Haus. O. Hyb.* 183.—(Thompson) Lawrence.

**628. P. × Zalmoxis** (× vexillarium × chloroneurum ♀), *O.R.* 1900, 119.—Young, 1900.

• **629. P. × Zampa** (hirsutissimum × Leeantum ♀), *Kerch. Liv. d. O.* 485.—Vuyksteke, 1892.

• C. × Zampa, *O.R.* 1893, 118; *Rev. H.* 1894, 90; *G.C.* 1894, i. 110; *Dict. Ic. O. Cyp. hyb.* t. 4 A (v. Phidias), t. 4 B (v. Eurydice), t. 4 C (v. Steriope); *ŷ. S. H. Fr.* 1896, 132.

C. × (unnamed), *Rev. H. Belge*, 1893, 70.—Vuyksteke.

C. × Weathersianum, *Lind.* ix. t. 397; *O.R.* 1894, 59.—Linden.

C. × Eurydice, *G.C.* 1894, i. 110; *O.R.* 1894, 61; *Rev. H.* 1894, 90; *Desb. Cyp.* ed. 2, 177.—Vuyksteke.

C. × Phidias, *Chron. O.* i. 6.—Vuyksteke.

C. × Steriope, *Chron. O.* i. 6.—Vuyksteke.

C. × Proserpine, *ŷ. S. H. Fr.* 1899, 1131; *Chron. O.* i. 294.—Duval.

C. × Hector MacDonald, *Gard.* 1901, i. 53.—R. H. Measures.

**630. P. × Zeno** (Boxallii × tonsum ♀), *O.R.* 1899, 48.—Wrigley, 1899.

C. × Zeus, *Boyle Woodl. O.* 196.—R. H. Measures.

**631. P. × Zenobia** (× Ashburtonæ × callosum ♀).—Sander, 1902.

C. × Zenobia, *G.C.* 1902, ii. 344; *O.R.* 1902, 364.

**632. P. × Zeus** (callosum ♀ × ciliolare).—R. I. Measures, 1894.

C. × Zeus, *G.C.* 1894, ii. 670; *O.R.* 1895, 29.

C. × calloso-ciliolare, *ŷ. S. H. Fr.* 1900, 113.—Gautier.

**632. P. × Zollingeri** (Spicerianum × Victoria-Mariæ).—Zollinger-Jenny, 1903.

C. × (unnamed), *G.C.* 1903, ii. 279; *O.R.* 1903, 338.—Zollinger-Jenny.

**633. P. × Zurigo** (Chamberlainianum × œnanthum ♀).—Frœbel, 1899.

C. × Zurigo, *O.R.* 1899, 348; *Die. Gart.* 1901, 361; *ŷ. R. H. S.* xxvi. 212.—(Frœbel) Leemann.

C. × Gordoni, *G.C.* 1903, i. 302; *O.R.* 1903, 179.—Linden.

## 27. PHAIOCALANTHE.

A genus established to contain the hybrids between Phaius and Calanthe.

1. **P.-c. × Arnoldiæ** (Calanthe Regneri ♀ × Phaius grandifolius), *G.C.* 1894, i. 84; *O.R.* 1894, 63; *ŷ. S. H. Fr.* 1897, 1245.—Sander, 1894.

P.-c. × (unnamed), *ŷ. S. H. Fr.* 1896, 794.—Sallier.

2. **P.-c. × Berryana** (C. Masuca × P. Humblotii ♀), *G.C.* 1895, ii. 655; *O.R.* 1896, 30.—Sander, 1896.

Phalanthe × Berryana, *Hans. O. Hyb.* 331.

3. **P.-c. × Brandtiæ** (C. × Veitchii × P. Wallichii ♀), *G.C.* 1897, i. 115; *O.R.* 1897, 95.—Sander, 1897.

Phalanthe × Brandtiæ, *Hans. O. Hyb.* 331.

4. **P.-c. × grandis** (C. × Darblayana × P. grandifolius ♀), *G.C.* 1898, i. 106; *O.R.* 1898, 94—Cookson, 1898.

5. **P.-c. × inspirata** (C. Masuca × P. grandifolius ♀), *G.C.* 1897, ii. 315; *O.R.* 1897, 351.—Veitch, 1897.

Phalanthe × inspirata, *Hans. O. Hyb.* 233.

6. **P.-c. × irrorata** (C. vestita × P. grandifolius ♀), *ŷ. L. Soc.* xxiv. 168; *V. Man. O.* vi. 17; *ŷ.H.* 1885, i. 331, f. 56 (v. rosea).—Veitch, 1867.

Phaius × irroratus, *G.C.* 1867, 264, f.; 1882, ii. 565, 566, f. 100; *Fl. M.* 1869, t. 426; *O.R.* 1893, 6; *Day O. Draw.* xii. t. 57.

P. × inquilinus, *G.C.* 1867, 544; *O.R.* 1893, 6.—Veitch.

Phalanthe × irrorata, *Hans. O. Hyb.* 233.

Phalanthe × inquilina, *Hans. O. Hyb.* 233.

Phaius × inquilinus is suspected to have been a seedling out of the same batch.

7. **P.-c. × Niobe** (C. × gigas × P. grandifolius ♀), *G.C.* 1899, i. 109; *O.R.* 1899, 95.—Veitch, 1899.

8. **P.-c. × Ruby** (C. × Ruby × P. Wallichii ♀). *G.C.* 1902, i. 151; *O.R.* 1902, 91.—Cookson, 1902.

9. **P.-c. × Schröderiana** (C. × gigas × P. Wallichii ♀), *G.C.* 1901, i. 146; *ŷ.H.* 1901, i. 181, 189, f.; *G.M.* 1901, 387, f.—Veitch, 1901.

10. **P.-c. × Sedeniana** (C. × Veitchii × P. grandifolius ♀), *G.C.* 1888, i. 136; *V. Man. O.* vi. 17, f.; *Wien Ill. G. Z.* 1891, 257, 258, f. 60; *O.R.* 1893, 85; *ŷ.H.* 1894, ii. 512, 513, f. 80; *ŷ.R.H.S.* xvii. 254, 255, f. 33. —Veitch, 1887.

Phaius × Sedenianus, *G.C.* 1887, i. 174; *O.R.* 1893, 195.

P.-c. × Sedeni, *G.C.* 1896, i. 88; *O.R.* 1896, 64; *ŷ. H.* 1896, i. 99, f. 15 (v. albiflora).—Veitch.

Phalanthe × Sedeniana, *Hans. O. Hyb.* 234, 331.

## 28. PHAIOCYMBIDIUM.

A genus established to contain a hybrid recorded as derived from Phaius and Cymbidium, which requires confirmation.

1. **Phaiocymbidium × chardwarensis** (Cymbidium giganteum × Phaius Wallichii ♀), *G.C.* 1902, i. 219, 322; *O.R.* 1902, 117, 190; 1903, 325; *G.M.* 1903, 740; *ŷ.H.* 1903, ii. 507, f.—G. F. Moore, 1902.

## 29. PHAIUS.

1. **P** × **amabilis** (*grandifolius* ♀ × *simulans*), *G.C.* 1893, i 206, 226, 229, f. 32; *Ŷ.H.* 1893, i. 453, f. 82; *O.R.* 1893, 87; 1895. 86; *Reichenb.*, ser. 2, ii. 99, t. 90, f. 1.—Veitch, 1893.

2. **P.** × **Ashworthianus** (*maculatus* × *Wallichii* ♀), *G.C.* 1896, ii, 534; *O.R.* 1896, 351; *G.M.* 1897, 551, f.; *Neub. G. M.* 1897, 385; *Sand. Cat. New O.* 1897, 14, 15, f. Sander, 1896.



Fig. 86. PHAIUS × CLIVE.

3. **P.** × **Brownii** (**P.** × *amabilis* × *P. grandifolius*).—Sander, 1899.

**P.** × D. S. Brown, *G.C.* 1899, i. 108; *O.R.* 1899, 95.—Sander.

4. **P.** × **Chapmanii** (*Humblotii* × *Phoebe*), *G.C.* 1903, i. May 30, Suppl. I.; 411, 412, f. 159, n. 2 (type), n. 5 (v. *superbus*); *G.M.* 1903, 593, f. (v. *superbus*); *Ŷ.H.* 1903, ii. 47, f. (id.); *O.R.* 1903, 182.—Cookson, 1903.

5. **P.** × **Clive** (× *Cooksoni* (Norman) × *simulans*), *G.C.* 1903, i. 142; *O.R.* 1903, 84, 137, 138, f. 33; 174.—Cookson, 1903. [See Fig. 86.

6. **P.** × **Cooksonæ** (*grandifolius* ♀ × *Humblotii*), *G.C.* 1895, i. 748; 1903, i. 411, 412, f. 159, n. 6; *O.R.* 1895, 199, 220; *Ŷ.H.* 1895, i. 512, 513, f. 92; 1900, i, 323, 325, f. 90; 1903, i. 353, f.; *G.M.* 1895, 353, f. —Cookson, 1895.

7. **P.** × **Cooksoni** (*simulans* × *Wallichii* ♀), *G.C.* 1890, i. 336, 388, 389, f.

57; *V. Man. O.* vi. 16; *O.R.* 1893, 292; 1895, 36; 1903, 136, 138, f. 31; *J. R. H. S.* xii. Proc. 62, 63, f. 40; *O. A.* x. t. 478; *Reichenb.* ser. 2, i. 31, t. 14; *Neub. G.M.* 1895, 587, 596, f.—Cookson, 1890.

♂ P. × Norman, *G.C.* 1897, i. 245; 1898, i. 159; 1899, i. 108, 115, f. 45 (unnamed);

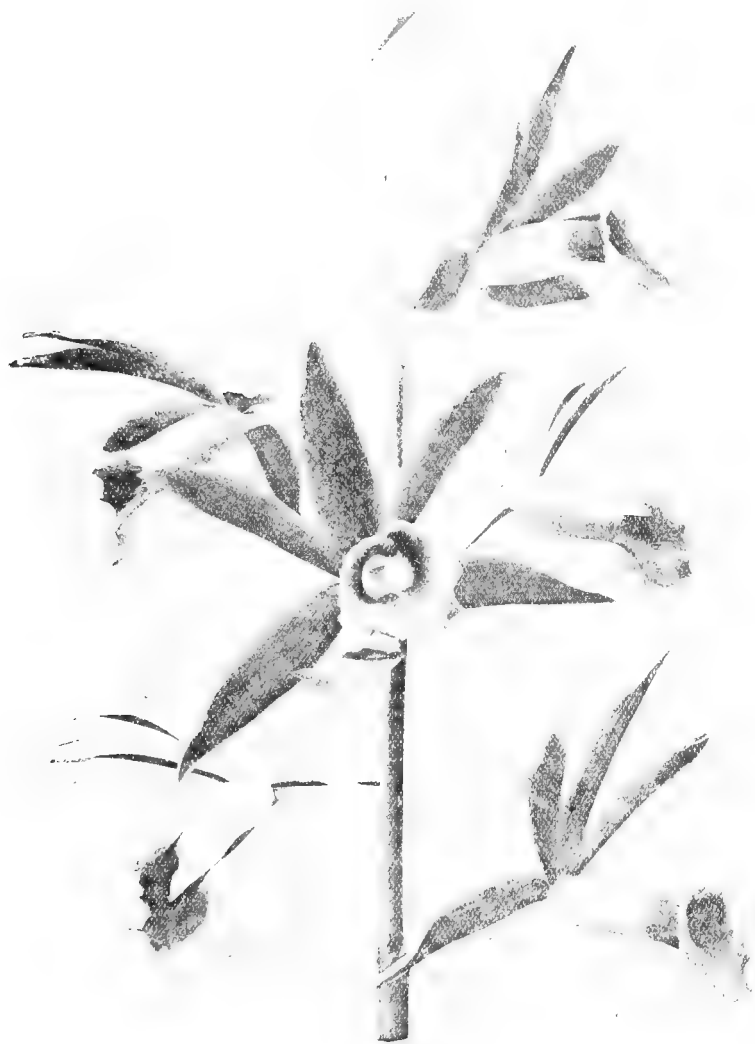


Fig. 87. *PTILOPUS* × *HYBRIDUS* VAR. *GRAVESII*.

*O.R.* 1898, 126; 1903, 136, 138, ff. 27, 28A; *G.M.* 1898, 185, 186, f.; *Gard.* 1898, i. 278, 369 f.—Charlesworth.

♂ P. × Norman, *G.C.* 1900, i. 174; *O.R.* 1900, 124; *Lind.* xiii. t. 618.—Charlesworth.

♂ P. × **Crawshawianus** (*Humblotii* × *Blumei* ♀), *O.R.* 1903, 215.—Charlesworth, 1903.

- P. × Phoebe, *G.C.* 1903, i. 367 (not elsewhere).—Charlesworth.
9. P. × **Harold** (× *Cooksoni* (Norman) × *Wallichii* ♀), *G.C.* 1903, i. 206; *O.R.* 1903, 121; 136, 138, f. 29; 174.—Cookson, 1903.
10. P. × **hybridus** (*grandifolius* ♀ × *Wallichii*), *G.C.* 1892, i. 619; *O.R.* 1893, 241, f. 13 (v. *Gravesii*); 356.—Drewett, 1892. [See Fig. 87.]
- P. × *Gravesii*, *G.C.* 1893, i. 357; *O.R.* 1893, 167.—Graves.
11. P. × **Joiceyanus** (× *amabilis* × *Blumei*), *G.C.* 1899, i. 174; *O.R.* 1899, 127.—Sander, 1899.
12. P. × **Marthæ** (*Blumei* ♀ × *simulans*), *G.C.* 1894, i. 343; *O.R.* 1894, 127; 1895, 86; *ŷ.H.* 1894, i. 219, f. 36; *Reichenb. ser. 2*, ii. 99, t. 90, f. 2; *Neub. G. M.* 1895, 593, 596, f.; *Lind.* xii. t. 561; *Rev. H. Belge*, 1903, 73, t.; *Gtfl.* 1904, 449, t. 1580.—Sander, 1894.
13. P. × **oakwoodiensis** (× *Cooksoni* ♀ × *Humblotii*), *G.C.* 1900, ii. 58, 92, 93, f. 23; 1903, i. 411, 412, f. 159, n. 3; *O.R.* 1900, 227, 252; *G.M.* 1900, 491, f.—Cookson, 1900.
14. P. × **orphanus** (*grandifolius* ♀ × *Marthæ*), *G.C.* 1899, i. 108; *O.R.* 1899, 95. Sander, 1899.
15. P. × **Owenianus** (*bicolor* ♀ × *Humblotii* ♀), *G.C.* 1894, i. 663, 783, 787, f. 102; *O.R.* 1894, 189, 193; 1895, 86; *ŷ.H.* 1894, i. 445, f. 72.—Sander, 1894.
16. P. × **Phœbe** (*Humblotii* × *Wallichii* ♀), *G.C.* 1899, i. 325; 1903, i. 411, 412, f. 159, n. 1; *O.R.* 1899, 166, 190; *ŷ.H.* 1899, i. 445, 450, f. 97.—Cookson, 1899.
- P. × *Opoix* ii., *ŷ.S.H.Fr.* 1900, 256; 1901, 371; *O.R.* 1903, 146; *Rev. H. Belge*, 1903, 105.—*Opoix*.
17. **Phaius** × **Ruby** (× *Cooksonæ* × *Humblotii*), *G.C.* 1902, i. 347; 1903, i. 411, 412, f. 159, n. 4; *O.R.* 1902, 180.—Cookson, 1902.
18. P. × **Veitchii** (*grandifolius* ♀ × *maculatus*).—Veitch, 1891.
- P. × *maculato-grandifolius*, *G.C.* 1891, ii. 591; *O.R.* 1893, 324.—Veitch.
19. P. × **Wiganianus** (× *Owenianus* × *Humblotii*), *O.R.* 1903, 181; *G.M.* 1903, 357.—Wigan, 1903.

### 30. PHALÆNOPSIS.

1. P. × **Amesii** (*amabilis* ♀ × *intermedia*).—Veitch, 1888.
- P. × *F. L. Ames*, *G.C.* 1888, i. 200, 201, f. 32; *Gard. & For.* 1890, 28, 29, f. 5; *V. Man. O.* vii. 48, f.; *O.R.* 1893, 229; 1894, 106.—Veitch.
2. P. × **Amphitrite** (*Sanderiana* ♀ × *Stuartiana*), *G.C.* 1892, i. 618; *O.R.* 1893, 356.—Sander, 1892.
3. P. × **Ariadne** (*Aphrodite* ♀ × *Stuartiana*), *O.R.* 1896, 147.—Veitch, 1896.
4. P. × **Artemis** (*amabilis* ♀ × *rosea*), *G.C.* 1892, ii. 75; *O.R.* 1893, 356.—Veitch, 1892.
5. P. × **Cassandra** (*rosea* ♀ × *Stuartiana*), *G.C.* 1898, i. 106; 1899, i. 174; *O.R.* 1898, 95.—Veitch, 1898.
6. P. × **Harriettæ** (*amabilis* ♀ × *violacea*), *G.C.* 1887, ii. 8, 9, f. 1; *Orchudoph.* 1887, 247, 249, f.; 1888, 208, f.; *O.R.* 1893, 195; *ŷ.H.* 1901, ii. 236,

237, f.; *Gard.* 1890, ii. 158, t. 766; *V. Man. O.* vii. 44, 45, f.; *Day O. Draw.* lii. t. 35.—Veitch, 1887.

7. **P. × Hebe** (not of Rchb. f.) (*rosea* × *Sanderiana* ♀), *G.C.* 1897, i. 115; 1898, i. 106; *O.R.* 1897, 79, 94.—Veitch, 1897.

*P. Hebe*, Rchb. f. in *Hamb. Gartenz.* 1862, p. 35, is a species, a native of Java.

8. **P. × Hermione** (*Lueddemanniana* × *Stuartiana* ♀), *G.C.* 1899, i. 174; *O.R.* 1899, 99, 127.—Veitch, 1899.

9. **P. × Hymen** (*Lueddemanniana* × *Mannii* ♀), *G.C.* 1900, i. 62; *O.R.* 1900, 60.—Veitch, 1900.

10. **P. × intermedia** (*Aphrodite* ♀ × *rosea*), *G.C.* 1886, i. 427; ii. 169, 212; *V. Man. O.* vii. 44, 45, f.; *O.R.* 1893, 52, 132; *ŷ. R. H. S.* xxiv. 189, f; *Day O. Draw.* xlvi. t. 59.—Veitch, 1886.

*P. × Vesta* (*rosea* ♀), *G.C.* 1893, i. 80; 1894, i. 343; *O.R.* 1893, 61; 1894, 128.—Veitch.

Originally described as a natural hybrid, by Lindley, in 1853 (*Paxt. Fl. Gard.* iii. 163, f. 110), from a plant introduced by Messrs. James Veitch & Sons, from the Philippines, through their collector, Thomas Lobb. The parentage was subsequently proved by Seden.

11. **P. × langleyensis** (*Mannii* × *Stuartiana*).—Veitch, 1898.

*P. × Stuartiano-Mannii*, *G.C.* 1898, i. 238; *O.R.* 1898, 157.—Veitch.

12. **P. × Leda** (*amabilis* × *Stuartiana*), *G.C.* 1888, i. 457; *O.R.* 1893, 229, —Veitch, 1888.

The parentage is somewhat doubtful. Hansen includes it as a synonym of *P. × leucorrhoda*, but its characters are quite distinct.

13. **P. × leucorrhoda** (*Aphrodite* × *Schilleriana*).—A natural hybrid between the species mentioned, described by Reichenbach in 1875 (*Gard. Chron.* 1875, i. 301; *Fl. Mag.* 1875, t. 166), from a plant imported from the Philippines by Messrs Hugh Low & Co., in 1874, with its supposed parents. It was inserted in Part I. under an impression that it had also been raised artificially, but the record by Hansen breaks down on investigation.

14. **P. × Lueddeviolacea** (*Lueddemanniana* × *violacea* ♀), *G.C.* 1895, ii. 102; 1898, ii. 43, f. 11; *O.R.* 1895, 259, 285; *ŷ.H.* 1895, ii. 77, 87, f. 11; 1899, ii. 3, f. 1; *G. World*, 1899, 746, f.—Veitch, 1895.

15. **P. × Rothschildiæ** (*intermedia* × *Sanderiana* ♀).—Low, 1900.

*P. × Lady Rothschild*, *G.C.* 1900, i. 239; *O.R.* 1900, 155.—Low.

16. **P. × Rothschildiana** (*amabilis* × *Schilleriana*), *G.C.* 1887, i. 606; *V. Man. O.* vii. 51, f.; *O.R.* 1893, 195.—Veitch, 1887.

17. **P. × Schröderæ** (× *intermedia* × *leucorrhoda* ♀), *G.C.* 1898, i. 238, 259, f. 99; *O.R.* 1898, 157; *Gard.* 1899, i. 449, f. and t. 1228.—Low, 1898.

18. **P. × Sedeni** (*amabilis* ♀ × *Lueddemanniana*).—Veitch, 1888.

*P. × John Seden*. *G.C.* 1888, i. 331, 332, f. 50; 1898, i. 171, f. 68; *V. Man. O.* vii. 50, f.; *O.R.* 1893, 228; *Gard.* 1898, i. 297, f.; 1899, i. 448, f.; *ŷ.H.* 1898, i. 321, f. 63.—Veitch, 1888.

19. **P. × Veitchiæ** (*Lueddemanniana* ♀ × *Sanderiana*).—Veitch, 1899.

P. × Mrs. J. H. Veitch, *G.C.* 1899, i. 109, 114, f. 43; *O.R.* 1899, 68, 95. *ŷ.H.* 1899, i. 195, f. 47; 1901, i. 226, 227, f.—Veitch.

**20. P. × Veitchiana** (rosea × Schilleriana), *G.C.* 1896, i. 210; *ŷ. R. H. S.*; xx. Proc. 100; xxiv. 193.—Heath, 1896.

Originally described as a natural hybrid, from the species indicated, by Reichenbach (*Gard. Chron.* 1872, 935), from a plant which flowered with Messrs. James Veitch & Sons, in 1872, and subsequently figured (*Fl. Mag.* 1876, t. 213). The parentage was proved by Messrs. Heath & Son, in 1896.

**21. P. × Wiganiæ** (Schilleriana × Stuartiana), *G.C.* 1899, i. 77; *O.R.* 1899, 92.—Low, 1899.

P. × Schilleriano-Stuartiana, *G.C.* 1900, i. 62, 83, 84, f. 26; *O.R.* 1900, 61, 113, f. 18; 136; *G.M.* 1900, 63, f. ; *ŷ. H.* 1900, i. 89, f. 21.—Low.

This is probably a natural hybrid, though the original record is not quite clear.

### 31. PHRAGMOPEDILUM.

**1. P. × Āda** (× cardinale × Schlimii).—R. I. Measures, 1900.

Cypripedium × Cardinal Schlim, *Nich. Dict.* 1900 Suppl. 286.—R. I. Measures.

P. × (unnamed), *O.R.* 1904, 89.—R. I. Measures.

A curious hybrid in which P. Schlimii is represented three times over, thus giving seven-eighths of that species and one-eighth P. longifolium.

**2. P. × Ainsworthii** (longifolium ♀ × Sedenii).—Ainsworth, 1879.

Cypripedium × Ainsworthii, *G.C.* 1879, i. 748; *V. Man. O.* iv. 101, 102.

Selenipedium × Ainsworthii, *G.C.* 1879, i. 748 (in note); *O.R.* 1893, 244; 1895, 77, 79.

C. × calurum, *G.C.* 1881, i. 41; *FL. & Pomol.* 1884, 145, t. 619; *O.A.* iii. t. 136; *O.R.* 1893, 70; *Day O. Draw.* xxx. t. 55.—Veitch.

S. × Ainsworthianum, *Desb. Cyp.* ed. i. 143.

C. × robustius (Sedenii ♀), *G.C.* 1889, i. 394.—Baron N. Rothschild.

C. × Brownii, *G.C.* 1891, ii. 49; *O.R.* 1893, 326.—Pitcher and Manda.

S. × Sedeni v. Pellizzarianum, *Bull. Soc. Tosc. Ort.* 1897, 207.—Linari.

S. × calurum, *Nich. Dict.* iii. 413; *Lind.* vii. t. 304; *O.R.* 1893, 70.

P. × calurum, *O.R.* 1902, 237.

**3. P. × albopurpureum** (× Dominicanum × Schlimii ♀).—Veitch, 1877.

C. × albopurpureum, *G.C.* 1877, ii. 38; *ŷ.H.* 1883, i. 472, 473, f. 105; *Orchidoph.* 1883, 508, 509, f.; *Gard.* 1882, i. 332, 333, f.; *V. Man. O.* iv. 101, 102, f.

S. × albopurpureum, *G.C.* 1877, ii. 38 (in note); *O.R.* 1893, 67; 1895, 77, 80; *Day O. Draw.* xlii. t. 21.

**4. P. × Baconis** (× conchiferum ♀ × Schlimii).—Sander, 1892.

C. × Baconis, *G.C.* 1892, i. 171.

C. × Edithæ, *G.C.* 1892, ii. 458.—Sander.

S. × Baconis, *O.R.* 1893, 358; 1895, 77, 80.—Sander.

S. × Edithæ, *O.R.* 1893, 358.—Sander.



5. **P.** × **Brysa** (*Boissierianum* × *Sedenii* ♀), *O.R.* 1903, 249.—Veitch 1892.

C. × *Brysa*, *G.C.* 1892, ii. 343.

S. × *Brysa*, *O.R.* 1893, 358 ; 1895, 77, 80.

C. × John Ashworth, *G.C.* 1894, ii. 605.—E. Ashworth.

S. × John Ashworth, *O.R.* 1894, 374.

6. **P.** × **cardinale** (*Schlimii* × *Sedenii* ♀), *O.R.* 1899, 98 ; 1903, 248, f. 41.—Veitch, 1882. [See Fig. 88.

C. × *cardinale*, *G.C.* 1882, ii. 488 ; 1890, i. 208 ; *Gard.* 1885, i. 520, t. 495  
*V. Man. O.* iv. 102, 103, f. ; *O.A.* viii. t. 370.

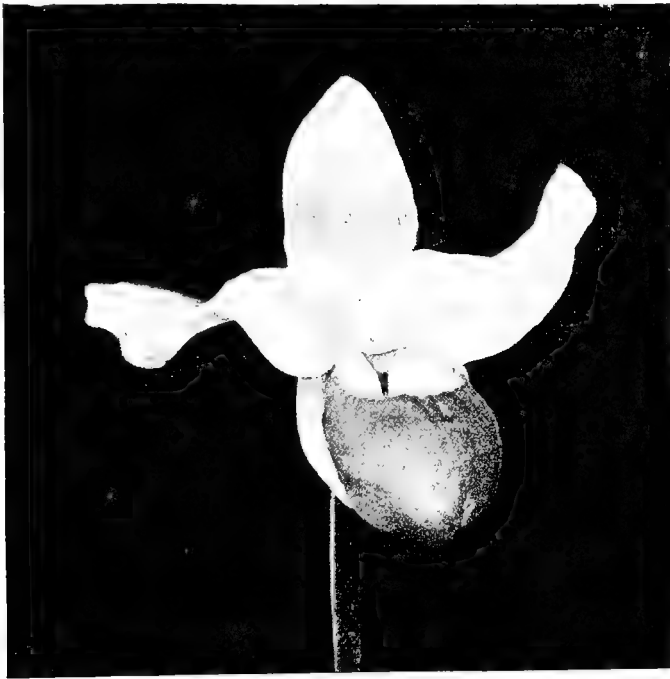


Fig. 88. PHRAGMOPEDILUM × CARDINALE.

S. × *cardinale*, *G.C.* 1882, ii. 488 (in note) ; *O.R.* 1893, 81, f. 5 ; 1895, 77, 79 ;  
*Day O. Draw.* xxxviii. t. 91.

C. × *Sedenii* v. *albanense*, *V. Man. O.* iv. 105.—Sander.

S. × *albanense*, *Desb. Cyp.* ed. 1, 143.—Sander.

C. × *albanense*, *R. I. Meas. Cyp.* ed. 2, 4 ; ed. 3, 3 ; *Sand. O. Guide*, 260.

C. × *rubicundum*, *R. I. Meas. Cyp.* ed. 2, 21 ; ed. 3, 50.—R. I. Measures.

C. × *album*, *G.C.* 1895, ii. 192.—Ingram.

S. × *album*, *O.R.* 1895, 287.

7. **P.** × **Cleola** (*Boissierianum* × *Schlimii* ♀), *O.R.* 1897, 86.—Veitch, 1891.

C. × *Cleola*, *G.C.* 1890, ii. 570.

S. × Cleola, *O.R.* 1893, 326 ; 1895, 77, 79 ; *Dict. Ic. O.* Sel. hyb. t. 2.

8. **P. × conchiferum** (caricinum ♀ × longifolium), *O.R.* 1897, 86.—Bowring, 1881.

C. × conchiferum, *G.C.* 1881, i. 330 ; *V. Man. O.* iv. 102.

S. × conchiferum, *Nich. Dict.* iii. 414 ; *O.R.* 1895, 77, 79 ; *Day O. Draw.* xlv. t. 69.

C. × chlorops, *G.C.* 1888, i. 584.—Baron N. Rothschild.

S. × chlorops, *G.C.* 1888, i. 584 (in note).

The parentage of the last-mentioned is somewhat doubtful.

9. **P. × Coppinianum** (× conchiferum × Sedenii ♀).—Sander, 1891.

C. × Coppinianum, *G.C.* 1891, i. 502 ; *R. H. Meas. Cyp.* ed. 2, 28.

S. × Coppinianum, *O.R.* 1893, 325 ; 1895, 78, 80.

10. **P. × Cupid** (× cardinale × Lindleyanum).—Veitch, 1903

C. × Cupid, *G.M.* 1903, 45 ; *O.R.* 1903, 51.

11. **P. × Dominicanum** (caricinum ♀ × caudatum), *O.R.* 1897, 86.—Veitch, 1870.

C. × Dominicanum, *G.C.* 1870, 1151 ; *Fl. M.* 1870, t. 499 ; *Fl. & Pomol.* 1874, 57, f. ; *Gard.* 1873, i. 490, 491, f. ; 1891, i. 412, t. 803 ; *V. Man. O.* iv. 103, f.

S. × Dominicanum, *G.C.* 1870, 1151 (in note) ; *O.R.* 1893, 35, 160 ; 1895, 77, 79.

C. × Domini, *Orchidoph.* 1882, 452, 453, f.—Veitch.

C. × Clymene, *G.C.* 1893, i. 456.—Veitch.

S. × Clymene, *O.R.* 1893, 160.

The pale-coloured *P. caudatum* var *Wallisii* was the pollen parent of the last-mentioned form.

12. **P. × Elsteadianum** (× conchiferum ♀ × grande).—Ingram, 1892.

C. × Elsteadianum, *G.C.* 1892, ii. 191 ; *R. H. Meas. Cyp.* ed. 2, 35.

S. × Elsteadianum, *O.R.* 1893, 358 ; 1895, 78, 80.

13. **P. × Eva** (× cardinale ♀ × longifolium).—R. I. Measures, 1893.

S. × (unnamed), *O.R.* 1893, 319, 320.—R. I. Measures.

S. × longifolio-cardinale, *Hans. O. Hyb.* 239.—R. I. Measures.

A hybrid in the third degree (*P. × Schlimii*  $\frac{2}{3}$ , *P. longifolium*  $\frac{1}{3}$ ), and very near to the original *P. × Sedenii*.

14. **P. × Faroultii** (caricinum × Sedenii ♀).—Faroult, 1893.

C. × Raymond Faroult, *ŷ. S. H. Fr.* 1893, 508 ; *Rev. H.* 1893, 435.—Faroult.

S. × Raymond Faroult, *Hans. O. Hyb.* 333 ; *Desb. Cyp.* ed. 2, 528.—Faroult.

15. **P. × Finetianum** (× cardinale ♀ × caudatum).—Finet, 1895.

S. × Finetianum, *O.R.* 1895, 102.—Finet.

16. **P. × Geralda** (caudatum × Lindleyanum ♀), *O.R.* 1899, 336.—Rockefeller, 1899.

S. × Geralda, *Amer. G.* 1899, 654.

S. × Mauriceanum, *Gard.* 1902, 303 ; *ŷ. S. H. Fr.* 1902, 722.—Lemoine.

17. **P. × giganteum** (caudatum ♀ × grande).—Veitch, 1894.

C. × macrochilum v. giganteum, *G.C.* 1894, i. 602 ; *ŷ. H.* 1894, i. 386, 387, f. 62 *G.M.* 1894, 265, f. ; 1899, 307, f. (abnormal).—Veitch.

S. × *macrochilum* v. *giganteum*, *O.R.* 1894, 186; *G.C.* 1899, i. 360, suppl. f. (v. *grande*).

S. × *giganteum*, *O.R.* 1895, 77, 80.—Veitch.

18. P. × **grande** (*caudatum* × *longifolium* ♀), *O.R.* 1897, 86; *ŷ. R. H. S.* xxiv. 99, f. 14 (v. *macrochilum*).—Veitch, 1881.

C. × *grande*, *G.C.* 1881, i. 462; 1882, ii. 488; 1894, i. 692, f. (v. *atratum*); *Warn. Sel. O.* iii. t. 33; *Berl. Gart. Zeit.* 1884, 498, f. 146; *V. Man. O.* iv. 104, f.; *Rev. H. Belge*, 1898, 27, f.

S. × *grande*, *G.C.* 1882, ii. 488; *Desb. Cyb.* ed. i. 147, f.; ed. 2, 512; *Lind.* vi. t. 242; *Reichenb.* ser. 2, i. 35, t. 16; *O.R.* 1895, 77, 79.

C. × *macrochilum*, *G.C.* 1891, ii. 199, 343, f. 146.—Veitch.

S. × *macrochilum*, *O.R.* 1893, 326; *Amer. G.* 1901, 763, f. 160.

P. × *macrochilum*, *Amer. G.* 1901, 763.

S. × *Verdieri*, *ŷ. S. H. Fr.* 1896, 373.—Verdier.

C. × *caudatum*-*Roetzlii*, *Rev. H. Belge*, 1898, 25, t.; *O.R.* 1898, 96.—Vervæet.

19. P. × **Hanischianum** (*Boissierianum* × *cardinale* ♀).—Sander, 1893.

C. × *Hanischianum*, *ŷ. d. O. v.* 61.—Sander.

C. × *Venus*, *ŷ. d. O. v.* 69.—Sander.

S. × (unnamed), *O.R.* 1893, 286.—Sander.

S. × *Brysa* v. *Venus*, *O.R.* 1895, 80.—Sander.

20. P. × **Hardyanum** (× *Ainsworthii* (*calurum*) × *caudatum* ♀), *ŷ. R. H. S.* xxiv. 97, f. 13 (v. *Penelaus*).—Hardy, 1892.

C. × *Penelaus*, *O.R.* 1893, 61; *G.C.* 1893, i. 80; *ŷ. H.* 1893, i. 219, f. 45.—Veitch.

C. × *Hardyanum*, *G.C.* 1893, i. 636.—Hardy.

S. × *Hardyanum*, *O.R.* 1893, 358; 1895, 77, 80.

21. P. × **Lemoinierianum** (× *Ainsworthii* (*calurum*) × *Sedenii*), *O.R.* 1903, 239.—Lemoinier, 1888.

C. × *Lemoinierianum*, *G.C.* 1888, i. 712; *Reichenb.* ser. 1, ii. 89, t. 89.

C. × *Lemoinieri*, *ŷ. S. H. Fr.* 1888, 322.—Lemoinier.

C. × *calurum* v. *Rougieri*, *Orchidoph.* 1892, 175, t.—Chauvière.

C. × *compactum*, *G.C.* 1893, i. 396; *O.R.* 1893, 157.—Ingram.

22. P. × **Mantini** (× *conchiferum* × *longifolium* ♀).—Mantin, 1900.

C. × (unnamed), *ŷ. S. H. Fr.* 1900, 113.—Mantin.

23. P. × **nitidissimum** (*caudatum* ♀ × *conchiferum*).—Cookson, 1888.

C. × *nitidissimum*, *G.C.* 1888, ii. 6.—Cookson.

S. × *nitidissimum*, *G.C.* 1888, ii. 6 (in note); *Reichenb.* ser. 2, i. 57, t. 27; *O.R.* 1895, 77, 80; *Dict. Ic. O. Sel. hyb.* t. 3.

C. × *hybridum*, *G.C.* 1891, i. 502.—Sander.

S. × *hybridum*, *O.R.* 1893, 326.

C. × *chrysocomes*, *G.C.* 1892, i. 781.—R. H. Measures.

C. × *Clonius* (*conchiferum* ♀), *G.C.* 1893, ii. 536; *ŷ. H.* 1893, ii. 394, 395, f. 59; *G.M.* 1894, 535, f.—Veitch.

S. × *Clonius*, *O.R.* 1893, 374.

In the last-mentioned the pale *P. caudatum* Wallisii was the pollen parent.

**24. P. × Perseus** (Lindleyannm × Sedenii ♀).—Veitch, 1892.

C. × Phædra, *G.C.* 1893, i. 80; *O.R.* 1893, 61.—Veitch.

S. × Phædra, *O.R.* 1893, 52.

C. × Perseus, *G.C.* 1892, ii. 622.

S. × Perseus, *O.R.* 1893, 358; 1895. 77, 80.

C. × Thersites, *G.C.* 1893, ii. 756; *O.R.* 1894, 32.—Veitch.

**25. P. × pulchellum** (× grande ♀ × Sedenii).—Vanner, 1893.

S. × pulchellum, *O.R.* 1893, 166; 1895, 78, 80.

C. × pulchellum, *R. H. Meas. Cyp.* ed. 2, 87.



Fig. 89. PHRAGMOPEDILUM × SCHRÖDERÆ.

**26. P. × Rosy-Gem** (× cardinale × Sedenii).—Ingram, 1894.

C. × Rosy Gem, *R. I. Meas. Cyp.* ed. 3, 51; *R. H. Meas. Cyp.* ed. 3, 145.

S. × Rosy Gem, *O.R.* 1895, 77, 80.

C. × Pylæus *Bohnh. Dict. O. Hyb.* 30; *R. H. Meas. Cyp.* ed. 3, 141; *Hans. O. Hyb.* 333.—Veitch.

C. × Empress, *R. H. Meas. Cyp.* ed. 3, 54.—Bull.

**27. P. × Saundersianum** (caudatum ♀ × Schlimii), *O.R.* 1897, 86.—Marshall, 1886.

C. × Saundersianum, *G.C.* 1886, ii. 654.—(Marshall) Bull.

S. × Saundersianum, *O.R.* 1893, 16, 131; 1895, 77, 79.

28. **P. × Schroederæ** (caudatum ♀ × Sedenii), *O.R.* 1898, 361, f. 17.—Veitch, 1883. [See Fig. 89.

C. × *Schroederæ*, *G.C.* 1883, i. 432; *O.A.* v. t. 196; *Lind.* ii. t. 69 (v. *splendens*); *V. Man. O.* iv. 105, f., *J.H.* 1890, i. 405, f. 60; *G. World*, 1890, 200, f.

S. × *Schroederæ*, *Nich. Dict.* iii. 414; *O.R.* 1895, 77, 80; 1896, 64; *G.C.* 1896, i. 88; *Day O. Draw.* xxxix. t. 23.

S. × *Dallei*, *J. S. H. Fr.* 1895, 179.—Dallé.

S. × *Dalleanum*, *Rev. H.* 1895, 164, 180, t.—Dallé.

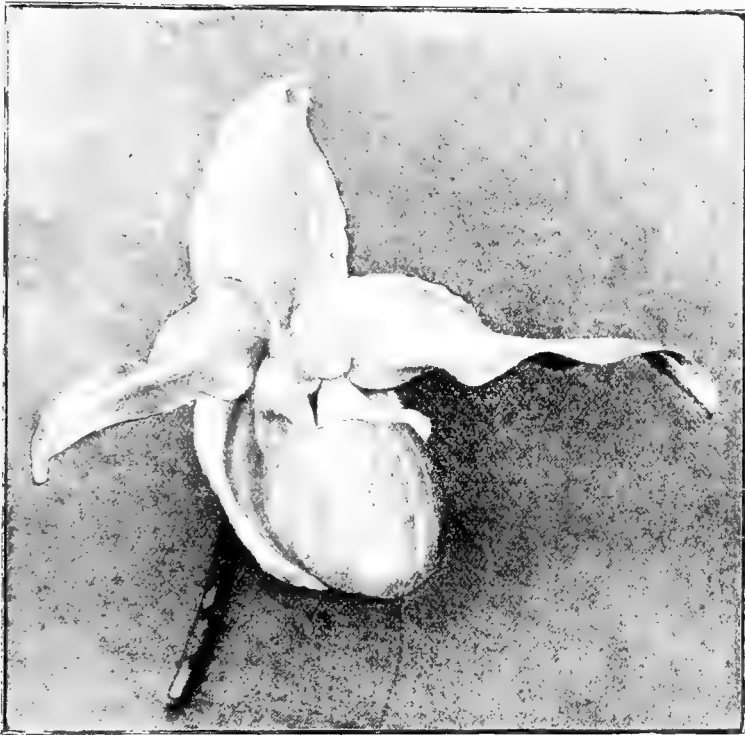


Fig. 90. PHRAGMOPEDILUM × SEDENII VAR. LEUCORRHODUM.

C. × *Helenæ*, *R. H. Meas. Cyp.* ed. 3, 189.—Ames.

S. × *Hylas*, *G.C.* 1902, i. 250; *O.R.* 1902, 147.—Veitch.

C. × *Mrs. W. A. Roebling*, *Hans. O. Hyb.* 240; *R. I. Meas. Cyp.* ed. 3, 42.—Roebling.

C. × *Comicea*, *G.C.* 1901, i. 146.—Veitch.

C. × *splendens*, *Sand. O. Guide*, 337.

29. **P. × Sedenii** (longifolium × *Schlimii*), *O.R.* 1897, 86.—Veitch, 1873.

C. × *Sedenii*, *G.C.* 1873, 1431; 1884, ii. 489 (v. *candidulum*); *Fl. M.* 1876, t. 206; 1878, t. 302; *Gtfl.* 1875, 149, 150, f.; *Jenn. O.* t. 4; *Puydt. O.* 265, t. 13; *Orchidoph.* 1882, 179, f.; *O. A.* xi. t. 481 (v. *candidulum*); *Bull. Soc. Tosc. Ort.* 1882, 81, f.; *V. Man. O.* iv. 105, 106, f.; *Will. O. Gr. Man.* ed. 6, 299, f. [See Fig. 90.

S. × *Sedenii*, *G.C.* 1873, 1431; 1886, ii. 596, 597, f. 117, 118 (peloria); *Lind.* vi. t. 245 (v. *candidulum*); *Reichenb.* ser. 2, ii. 7, t. 51 (v. *Weidlichianum*); *Rev. H.* 1879, 470, t.; *Dict. Ic. O. Sel. hyb.* t. 1 (type), 1 A. (v. *candidulum*); *O.R.* 1895, 77, 79; *Day O. Draw.* xviii. t. 9; xxviii. t. 15; xlv. t. 23 (v. *candidulum*).

C. × *porphyreum*, *G.C.* 1878, i. 366.—Veitch.

S. × *porphyreum*, *G.C.* 1878, i. 366; *Day O. Draw.* xxx. t. 45; lii. t. 3 (Mr. Drewett's var).

C. × *leucorrhodum*, *G.C.* 1885, i. 270; *J.H.* 1886, i. 129, f. 21; *V. Man. O.* iv. 104.—Veitch.

S. × *leucorrhodum*, *Desb. Cyp.* ed. i. 48; *O.R.* 1893, 169, f. 11; *Day O. Draw.* xlv. t. 25.

P. × *leucorrhodum*, *O.R.* 1903, 249, f. 42.

S. × *Weidlichianum*, *G.C.* 1890, ii. 702.—Sander.

C. × *Weidlichianum*, *R. H. Meas. Cyp.* ed. 2, 111.

S. × *tenellum*, *Hans. O. Hyb.* 241.—Pitcher and Manda.

**30. P. × *Stella*** (*Schlimii* ♀ × *vittatum*), *O.R.* 1897, 86.—Sander, 1894.

S. × *Stella*, *O.R.* 1894, 110; 1895, 77, 79.

C. × *Stella*, *R. H. Meas. Cyp.* ed. 3, 158.

**31. P. × *stenophyllum*** (*caricinum* × *Schlimii* ♀), *O.R.* 1897, 86.—Bowring, 1876.

S. × *stenophyllum*, *G.C.* 1876, i. 461; *O.R.* 1895, 77, 79; *Day O. Draw.* xlvi. t. 67.

C. × *stenophyllum*, *G.C.* 1876, i. 461; *V. Man. O.* iv. 107.

**32. P. × *suave*** (*Klotzschianum* × *Sedenii* ♀), *O.R.* 1901, 93.—Veitch, 1901.

S. × *suave*, *G.C.* 1901, i. 146.—Veitch.

C. × *suave*, *Sand. O. Guide*, 337.

**33. P. × *Unique*** (*Lindleyanum* ♀ × *Schlimii*)—Ingram, 1893.

C. × *L'Unique*, *G.C.* 1893, ii. 342; *O.R.* 1893, 318.

S. × *L'Unique*, *O.R.* 1895, 77, 78.

P. × *unicum*, *O.R.* 1897, 86.—Ingram.

The original records are contradictory, one recording the peloriolate *Uropedium Lindeni* as the first parent, which would make the present hybrid a form of *P. × Saundersianum*. We have not seen it.

**34. P. × *Uranus*** (× *grande* × *Lindleyanum* ♀).—Sander, 1896.

C. × *Uranus*, *G.C.* 1896, i. 792.

S. × *Uranus*, *O.R.* 1896, 224.

**35. P. × *Urgandæ*** (*Lindleyanum* ♀ × *longifolium*).—Mantin, 1896.

S. × *Duvali*, *J.S.H.Fr.* 1896, 792.—Mantin.

S. × *Urgandæ*, *Amer. G.* 1901, 192, f. 46; *J.R.H.S.* xxvi. 242.—Ames.

S. × *Titanum*, *G.C.* 1900, i. 143; *O.R.* 1900, 93.—Sander.

### 32. SCHOMBOCATTLEYA.

A genus established to contain the following hybrid between *Cattleya* and *Schomburgkia*.

1. **Schombocattleya** × **spiralis** (*Cattleya Mossiæ* × *Schomburgkia tibicinis* ♀), *O.R.* 1905, 245, 249, f. 61.—Dallemanne, 1903. [See Fig. 91.

*Schomburgkia*-*Cattleya* × *spiralis*, *J. S. H. Fr.* 1903, 534; *Rev. H.* 1903, 438; *Jard.* 1903, 272.

*Schom*-*Cattleya* × *spiralis*, *G.C.* 1905, ii, 53.

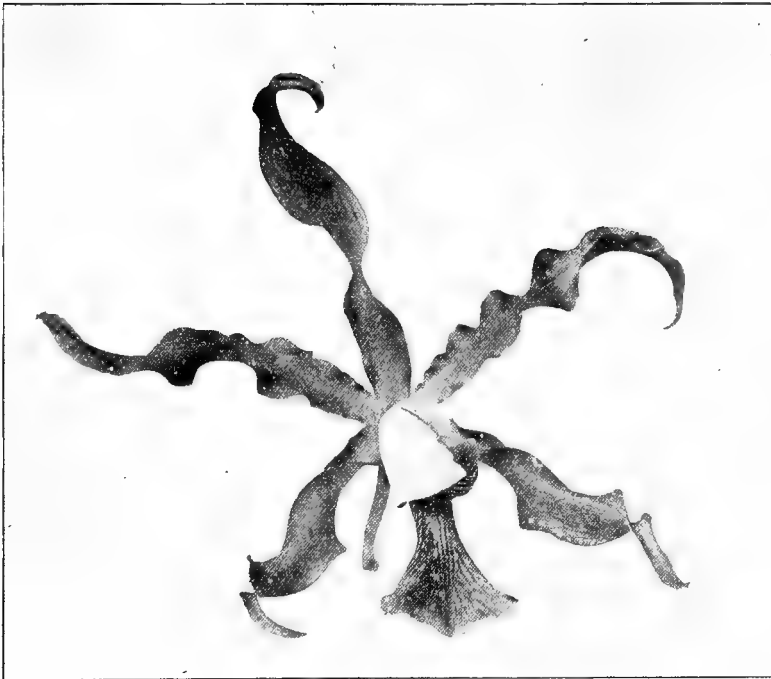


Fig. 91. SCHOMBOCATTLEYA × SPIRALIS.

### 33. SOBRALIA.

1. **S. Amesiana** (× *Wilsoni* × *xantholeuca* ♀), *O.R.* 1895, 203; 1903, 222; *Hans. O. Hyb.* 242.—Sander, 1895.

*S.* × *Amesiae*, *G.C.* 1895, i, 721; 1906, ii, 149, suppl. t.; *O.R.* 1895, 219.—Sander.

2. **S.** × **luminosa** (*Holfordi* × *Wilsoni*), *G.C.* 1903, i, 302; *O.R.* 1903, 179.—Sander.

The parent *S. Holfordi* (*Sand. Cat. N. Orch* 1899, p. 17, with fig.) is suspected to be a fine form of *S. macrantha*.

3. **S.** × **mirabilis** (*macrantha* × *Veitchii*), *G.C.* 1903, i, 302; *O.R.* 1903, 179.—Sander.

4. **S.** × **Sedeni** (macrantha × rosea).—Veitch, 1897.

*S.* × roseo-macrantha, *G.C.* 1897, ii. 277; *O.R.* 1897, 348.—Veitch.

5. **S** × **Veitchii** (macrantha ♀ × xantholeuca), *G.C.* 1894, ii. 103; *O.R.* 1894, 226, 239, 285; *ŷ.H.* 1894, ii. 98, 99, f. 15; *Lind.* xvi. t. 740; *Dict. Ic. O. Sobral.* hyb. t. 1.—Veitch, 1894.

*S.* × *Wiganizæ*, *G.C.* 1892, ii. 14; *O.R.* 1898, 222, 259, 297; 1902, 213; 1903, 242; *G.M.* 1902, 441, f.

*S.* *Wiganizæ* is believed to be a natural hybrid with the same parentage.

### 34. SOPHROCATLÆLIA.

A genus established for the secondary hybrids derived from the three genera, *Cattleya*, *Lælia* and *Sophronitis*.

1. **Sophracatlælia** × **Eros** (*Lælio-cattleya* × *elegans* ♀ × *Sophronitis grandiflora*), *O.R.* 1900, 354.—Charlesworth, 1900.

*Sophrölælia* × *Eros*, *G.C.* 1900, ii. 314; *O.R.* 1900, 348, 354; *G.M.* 1900, 706, f.

2. **Sophracatlælia** × **Veitchii** (*L.-c.* × *Schilleriana* × *Sophronitis grandiflora* ♀), *O.R.* 1900, 354.—Veitch, 1892.

*Sophracattleya* × *Veitchii*, *G.C.* 1892, ii. 312; 1896, ii. 310; *O.R.* 1896, 319; *ŷ.H.* 1892, ii. 240, 245, f.

*Sophracattleya* × *Veitchiana*, *O.R.* 1893, 356.

*Catlænitis* × *Veitchiana*, *Hans. O. Hybr.* 100.

### 35. SOPHROCATTLEYA.

A genus established to contain the hybrids between *Cattleya* and *Sophronitis*.

1. **S.-c.** × **Batemaniana** (*C. intermedia* × *S. grandiflora* ♀), *ŷ. L. Soc.* xxiv. 169; *V. Man. O.* ii. 92, 93, f.; *Rev. H. Belge*, 1888, 208, 209, f. 18, 19; *O.R.* 1893, 44, 131.—Veitch, 1886.

*Lælia* × *Batemaniana*, *G.C.* 1886, ii. 263; *ŷ. H.* 1887, ii. 54, 55, f. 6; *G.W.* 1888, 809, f.; *Day O. Draw.* li. t. 33, 45.

*Sophröleya* × *Batemaniana*, *Hans. O. Hyb.* 242.

2. **S.-c.** × **Calypso** (*C. Loddigesii* × *S. grandiflora* ♀), *G.C.* 1890, ii. 588; 1896, ii. 695, f. 122; *O.R.* 1893, 31; 1897, 3; 1898, 270; *ŷ.H.* 1892, ii. 568, f. 76; 1900, i. 15, f. 3.—Veitch, 1890.

*Sophröleya* × *Calypso*, *Hans. O. Hyb.* 242.

3. **S.-c.** × **Chamberlainii** (*C. Harrisoniana* ♀ × *S. grandiflora*), *O.R.* 1898, 270; 1900, 27; 1902, 294; *G.C.* 1899, ii. 446, f. 141 (v. triumphans).—Chamberlain, 1898.

*Sophronitis* × *Chamberlainiana*, *O.R.* 1903, 271 (by error).

4. **S.-c.** × **Cleopatra** (*C. Leopoldi* × *S. grandiflora* ♀), *G.C.* 1898, ii. 293; 1899, ii. 318; *O.R.* 1898, 349; 1899, 347.—Charlesworth, 1898.

*S.-c.* × *Cleopatra inversa* (*C. Leopoldi* ♀), *ŷ. S. H. Fr.* 1903, 37; *Rev. H.* 1903, 75.—Beranek,



5. **S.-c. × eximia** (*C. Bowringiana* ♀ × *S. grandiflora*), *G.C.* 1894, ii. 378; *ŷ.H.* 1894, ii. 321, f. 48; 1900, ii. 373, f. 103; 1903, i. 3, f.; *O.R.* 1894, 333, 349; *G.M.* 1895, 83, f.—Veitch, 1894.

*Sophroleya* × *eximia*, *Hans. O. Hyb.* 242.

6. **S.-c. × Hardyana** (*C. Aclandiae* × *S. grandiflora* ♀), *O.R.* 1899, 209, f. 13; 1902, 248.—Hardy, 1898. [See Fig. 92.

*S.-c.* × *George Hardy*, *G.C.* 1898, i. 302; *O.R.* 1898, 185, 270.—Hardy.

7. **S.-c. × Imperatrix** (*C. Mossiae* ♀ × *S. grandiflora*).—Veitch, 1899.

*S.-c.* × *Queen Empress*, *G.C.* 1899, ii. 96; 112, 113, f. 43; *O.R.* 1899, 255, 258; *G.M.* 1899, 484, f.; *ŷ.H.* 1899, ii. 73, 83, f. 18.—Veitch.



Fig. 92. SOPHROCATTLEYA × HARDYANA.

8. **S.-c. × Nydia** (*C. × calummata* × *S. grandiflora* ♀), *G.C.* 1901, ii. 360; *ŷ.H.* 1901, ii. 530, 531, f.; *O.R.* 1901, 366; *Dict. Ic. O.* *S.-c.* t. 1; *ŷard.* 1903, 184, t.—Charlesworth, 1901.

9. **S.-c. × Saxa** (*C. Trianae* × *S. grandiflora*), *G.C.* 1903, ii. 104; *O.R.* 1903, 267—Veitch, 1903.

### 36. SOPHROLÆLIA.

A genus established for the hybrids between *Lælia* and *Sophronitis*.

1. **S.-l. × Gratixiæ** (*L. tenebrosa* × *Sophronitis grandiflora*), *G.C.* 1901, ii. 210; *O.R.* 1901, 315; 1903, 306.—Charlesworth, 1901.

2. **S.-l. × heatonensis** (*L. purpurata* × *S. grandiflora*), *G.C.* 1902, ii. 239;

*O.R.* 1902, 311, 339; *G.M.* 1902, 694, 698, f.; *ŷ.H.* 1902, ii. 397, f.—Charlesworth, 1902.

3. **S.-l.** × **læta** (*L. Dayana* ♀ × *S. grandiflora*), *O.R.* 1894, 333; 1896, 33; 1898, 323.—Veitch, 1894.

*Sophrocattleya* × *læta*, *G.C.* 1894, ii. 447, 476, 477, f. 63; *O.R.* 1894, 351.

4. **S.-l.** × **Marriottii** (*L. flava* × *S. grandiflora* ♀), *G.C.* 1896, ii. 667; *O.R.* 1897, 28.—Marriott, 1896.

*S.-l.* × *Marriottiana*, *G.C.* 1900, i. 30, 66, f. 20; *O.R.* 1900, 58; 1903, 271.

*Sophrocattleya* × *Marriottiana*, *Gard.* 1902, i. 248.

5. **S.-l.** × **Orpeti** (*Lælia pumila* ♀ × *Sophronitis grandiflora*), *O.R.* 1901, 288; 1902, 116; 1904, 22.—Orpet, 1901.

*S.-l.* × *læta* var. *Orpetiana*, *G.C.* 1901, i. 306; *O.R.* 1901, 182; 1904, 22; *ŷ.H.* 1905, ii. 99, f.—Orpet.

6. **S.-l.** × **Psyche** (*Lælia cinnabarina* ♀ × *Sophronitis grandiflora*), *O.R.* 1902, 55; *Dict. Ic. O. S.-l. t.* 1.—Charlesworth, 1902.

7. **S.-l.** × **Valda** (*L. harpophylla* × *Sophronitis grandiflora* ♀), *G.C.* 1901, i. 54; *O.R.* 1901, 37.—Veitch, 1901.

### 37. SPATHOGLOTTIS.

1. **S.** × **kewensis** (*plicata* ♀ × *Vieillardii*), *O.R.* 1903, 218.—Kew, 1903.

2. **S.** × **Veitchii** (*aurea* ♀ × *Vieillardii*).—Veitch, 1897.

*S.* × *aureo-Vieillardii*, *G.C.* 1897, i. 354; 1898, i. 309, f. 115; *O.R.* 1897, 192; *G.M.* 1898, 308, f.; *ŷ.H.* 1898, i. 439, 445, f. 82; 1900, i. 434, f. 117; *Dict. Ic. O. Spath. hyb. t.* 1.—Veitch.

### 38. STANHOPEA.

1. **S.** × **bellaerensis** (*insignis* ♀ × *oculata*), *ŷ. S. H. Fr.* 1895, 502; 1897, 602; *Rev. H.* 1896, 231, 232, t.—Mantin, 1894.

2. **S.** × **Spindleriana** (*oculata* ♀ × *tigrina*), *Gtfl.* 1890, 625, t. 1335 (with parents); *O.R.* 1893, 323.—Spindler, 1890.

### 39. THUNIA.

1. **T.** × **Veitchiana** (*Bensonæ* × *Marshalliana* ♀), *G.C.* 1885, i. 818; *O.A.* vii. t. 326; *V. Man. O.* vi. 20; *O.R.* 1893, 291; 1905, 204; *Day O. Draw.* xlvi. t. 45.—Veitch, 1885.

*T.* × *Wrigleyana*, *O.A.* vii. sub t. 326; *O.R.* 1893, 291; 1905, 204.—Wrigley.

### 40. YANDA.

1. **Yanda** × **Joaquimiae** (*Hookeriana* × *teres*).—Joaquim, 1893.

*V.* × *Miss Joaquim*, *G.C.* 1893, i. 740; 1897, i. 427, f. 165; 1898, ii, 123, f.; *O.R.* 1893, 245; 1897, 211; 1903, 271.—Joaquim.

2. **Y.** × **Maronæ** (*suavis* × *teres* ♀), *O.R.* 1903, 209, f. 38.—Maron, 1903.

*V.* × *Marguerite Maron*, *ŷ. S. H. Fr.* 1903, 406; *Rev. H.* 1903, 254, 574, t.; *G.C.* 1903, i. May 30, suppl 2; *O.R.* 1903, 183.—Maron.

#### 41. ZYGOBATEMANNIA.

A genus established to contain a hybrid between Batemannia and Zygopetalum.

1. **Z. × Mastersii** (Batemannia Colleyi × Zygopetalum crinitum ♀), *Sem. Hort.* 1899, 76; *G.C.* 1899, i. 77, 99, f. 40; *O.R.* 1899, 46; *Lind.* xiv. t. 657.—Linden, 1899.

#### 42. ZYGOCOLAX.

A genus established to contain the hybrids between Colax and Zygopetalum.

1. **Z.-c. × Amesianus** (Colax jugosus × Zygopetalum Mackayi (brachypetalum) ♀), *G.C.* 1899, ii. 478; *O.R.* 1900, 29.—Sander, 1899.

*Z.-c. × Amesiae*, *O.R.* 1900, 13.—Sander.

2. **Z.-c. × leopardinus** (*C. jugosus* × *Z. maxillare* ♀), *V. Man. O.* ix. 66; *O.R.* 1900, 12; *G.M.* 1900, 121, f. (Wigan's var.).—Veitch, 1886.

*Zygopetalum × leopardinum*, *G.C.* 1886, ii. 199; *O.R.* 1893, 132.

3. **Z.-c. × Veitchii** (*C. jugosus* × *Z. crinitum* ♀), *G.C.* 1887, i. 765; *J. L. Soc.* xxiv. 156, 170, t. 4, f. 3 (with parents); *V. Man. O.* ix. 66, 67, f. (with parents); *J. H.* 1893, i. 87, 94, f. 13; *O.R.* 1893, 61, 195; 1900, 12; 1904, 93, 343; *J. R. H. S.* xxi. 479, f. 110; *Dict. Ic. O. Z.-c. t.* 1; *G. World*, 1903, 89, f.; *Bot. Mag.* t. 7980.—Veitch, 1887.

4. **Z.-c. × Wiganianus** (*C. jugosus* × *Z. intermedium* ♀), *G.C.* 1900, i. 30; 1902, i. 156, f. 47 (v. *superbus*); *J. H.* 1902, i. 313, f. (id.); *O.R.* 1900, 58; 1902, 92; *G.M.* 1900, 121, f.—Wigan, 1900.

#### 43. ZYGONISIA.

A genus established to contain the hybrid between Aganisia and Zygopetalum.

1. **Z. × Rolfeana** (Aganisia lepida × Zygopetalum maxillare ♀), *G.C.* 1902, i. 443; ii. 30, f. 11; *O.R.* 1902, 214, 220, 374; *Fl. & Sylva*, 1905, 176, t.—Sander, 1902.

#### 44. ZYGOPETALUM.

1. **Z. × Clayi** (crinitum × maxillare ♀), *G.C.* 1877, i. 684; *Fl. M.* 1877, t. 267; *O.A.* ii. t. 50; *Orchidoph.* 1884, 213, 214, f.; 1886, 326, 327, f.; *O.R.* 1893, 67; 1904, 315; *Lind.* xvi. t. 741; *V. Man. O.* ix. 66; *Day O. Draw.* xlix. t. 85.—Clay, 1877.

*Z. × crinito-maxillare*, *G.C.* 1890, ii. 51; *O.R.* 1893, 293; *G.W.* 1890, 733.—Lord Rothschild.

*Z. × crinito-Gautieri*, *G.C.* 1902, i. 151; 1903, i. 205; *O.R.* 1902, 92; 1903, 118.—Sander.

2. **Z. × leucochilum** (Burkei × intermedium ♀), *G.C.* 1902, i. 214; *O.R.* 1893, 356; 1896, 62; *G.W.* 1903, 90, 91, f.—Veitch, 1892.

3. **Z. × Perrenoudi** (intermedium ♀ × maxillare), *J. S. H. Fr.* 1894, 137, 138; 1895, 239; *O.R.* 1896, 107; 1897, 157; *G.C.* 1896, i. 337, 367, f. 50; *Dict. Ic. O.*, *Zygopet. hyb.* t. 1.—Perrenoud, 1894.

Owing to confusion between *Z. intermedium* and *Z. Mackayi* (see *Orch. Rev.* 1904, p. 325) there is some confusion in the records, and some alterations to the list on p. 41 were overlooked until too late. That should read "*Z. intermedium* × maxillare = *Z. × Perrenoudi*," while "*Z. Mackayi* × maxillare = *Z. × Sedeni*" should be added. The entries should also be made under the second parent. *Z. × Perrenoudi* was included as a parent.

4. **Z. × Roeblingianum** (maxillare (Gautieri) × rostratum ♀), *Amer. G.* 1902, 324; *O.R.* 1902, 220; 1903, 308, 311; *G.C.* 1903, ii. 214, 227, f. 93.—Roebling, 1902.

5. **Z. × Sanderi** (*Mackayi* × *Perrenoudi* ♀), *G.C.* 1903, i. 78; *G. World*, 1903, 113; *O.R.* 1903, 53.—Sander, 1903.

*Z. Mackayi* is recorded as one of the parents, but we think it must have been *Z. intermedium*.

6. **Z. × secundum** (crinitum × intermedium), *J. S. H. Fr.* 1899, 154; *Sem. Hort.* 1899, 76.—Maron, 1899.

The second parent is recorded as *Z. Mackayi*, which may be correct, though the name often stands for the finer *Z. intermedium* in gardens.

7. **Z. × Sedeni** (*Mackayi* × maxillare ♀), *G.C.* 1874, ii. 290; *Fl. M.* 1880, t. 417; *Gtfl.* 1883, 279, 280, f.; *O.R.* 1893, 38; *J.H.* 1893, i. 377, f. 69; *V. Man. O.* ix. 66, f.; *Day O. Draw.* xxxiv. t. 89.—Veitch, 1874.

*Z. × pentachromum* (*Mackayi* ♀), *G.C.* 1885, i. 532; *O.R.* 1893, 102.—Veitch.

The first hybrid *Zygopetalum*. The parentage given on p. 41 should be amended as above.

## SUPPLEMENT TO PART I.

Containing additions up to the end of 1907 (the numbers and pages indicate the position in the body of the work).

### 7. BRASSAYOLA (p. 1).

#### 1. B. Digbyana (p. 1).

Cattleya citrina.	Brassocattleya × Alexanderi.
C. Forbesii.	B.-c. × Holfordii.
C. granulosa.	B.-c. × Pluto.
*C. Harrisoniana.	B.-c. × Hyeæ.
*C. intermedia.	B.-c. × Cordelia.
C. Lawrenceana.	B.-c. × Ena.
C. Leopoldi.	B.-c. × Praetii.
*C. Lueddemanniana.	B.-c. × Wellesleyæ.
C. × Patrocinii.	B.-c. × brunoyensis.
*C. × Rothschildiana.	B.-c. × Baron.
*Lælia anceps.	Brassolælia × Lelieuxii.
L. Boothiana.	B.-l. × Louis-Bel.
L. grandiflora.	B.-l. × Thwaitesii.
L. xanthina.	B.-l. × Jessopi.
*Læliocattleya × callistoglossa.	Brassocatlælia × tringiensis.
L.-c. × Doris.	B.-c.-l. × Rowena.
L.-c. × Greenwoodii.	B.-c.-l. × Lido.
L.-c. × Hippolyta.	B.-c.-l. × Hippocrates.
L.-c. × Schilleriana.	B.-c.-l. × balaruensis.

#### 2. B. fragrans (p. 1).

Cattleya Mendelii.	Brassocattleya × Seguinii.
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### 3. B. glauca (p. 2).

Cattleya labiata.	Brassocattleya × Pyrha.
C. Lawrenceana.	B.-c. × Peetersii.
C. Walkeriana.	B.-c. × Erotion.
Epidendrum Parkinsonianum.	Brassoepidendrum × stamfordiense.
Lælia flava.	Brassolælia × westfieldiensis.

#### 3a. B. nodosa.

Cattleya Lawrenceana.	Brassocattleya × Mary.
Lælia flava.	Brassolælia × fladosa.

### 8. BRASSOCATTLEYA (p. 2).

#### 1a. B.-c. × Maronæ.

*C. Lueddemanniana.	B.-c. × Bayard.
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#### 1b. B.-c. × Veitchii.

Lælia purpurata.	Brassocatlælia × Veitchii.
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### 8a. BRASSOLÆLIA.

#### 1. B.-l. × Gratrixia

Cattleya Schröderæ.	Brassocatlælia × Fowleri.
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#### 2. B.-l. × Helen.

Lælia × cinna-brosa.	Brassolælia × Gipsy.
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**9. CALANTHE** (p. 2).8. **C. Regnierii** (p. 2).

Phaius × Norman. Phaiocalanthe × Colmanii.

10. **C. × Ruby** (p. 2).

C. × Veitchii. C. × Chapmanii.

15. **C. × Veitchii** (p. 2).

C. × Ruby. C. × Chapmanii.

**10. CATTLEYA** (p. 3).1. **C. Aclandiæ** (p. 3).

C. citrina. C. × Shakersii.  
C. Gaskelliana. C. × Madouxiæ.  
C. Harrisoniana. C. × Olenus.

2. **C. amethystoglossa** (p. 3).

C. Dowiana. C. × Rosa.  
C. Gaskelliana. C. × Adolphinæ.  
C. Lawrenceana. C. × Lawreglossa.  
Lælia flava. Læliocattleya × Merciana.

Sophronitis grandiflora. Sophrocattleya × warnhamensis.

4. **C. bicolor** (p. 3).

\*C. × Hardyana. C. × Adula.  
C. × Iris. C. × Farquharsonia.

Sophrölælia × Orpeti. Sophrocattlælia × Medea.

5. **C. Bowringiana** (p. 3).

C. Forbesii. C. × Meadii.  
C. granulosa. C. × Hopkinsii.  
C. Schilleriana. C. × lucida.  
Læliocattleya × Nysa. Læliocattleya × Tenos.

6. **C. × Brymeriana** (p. 3).

L. xanthina. L.-c. × ilsingtonensis.

7. **C. citrina** (p. 4).

Brassavola Digbyana. Brassocattleya × Alexanderi.  
C. Aclandiæ. C. × Shakersii.

10. **C. dolosa** (p. 4).

Lælia cinnabarina. Læliocattleya × chardwarensis.  
L. tenebrosa. L.-c. × dolotene.  
Læliocattleya × elegans. L.-c. × Lambeaui.

11. **C. Dormaniana** (p. 4).

C. labiata. C. × Lambeaui.

12. **C. Dowiana** (p. 4).

C. amethystoglossa. C. × Rosa.

C. elongata. C. × Appletoni.

C. × flavescens. C. × Loubetii.

C. × Frasquita. C. × Milano.

C. Loddigesii. C. × Sapho.

C. × O'Brieniana. C. × Ethelreda.

C. Rex. C. × triumphans.

C. superba. C. × Cleopatra.

C. × Whitei. C. × Waldemar.

Lælia Cowanii. Læliocattleya × Ariel.

L. flava. L.-c. × Andromeda.

L. harpophylla. L.-c. × harpo-aurea.

L. × Latona. L.-c. × illustris.

Læliocattleya × Amelia. L.-c. × Schneideri.

L.-c. × Charlesworthii. L.-c. × Golden-Oriole.

L.-c. × Cranstonnæ. L.-c. × Kelpie.

L.-c. × Ernestii. L.-c. × Golden-Beauty.

L.-c. × Leeana. L.-c. × Georgina.

Sophronitis grandiflora. Sophrocattleya × Doris.

13. **C. Eldorado** (p. 4).

Lælia Perrinii. Læliocattleya × Soulageana.

Læliocattleya × elegans. L.-c. × vivicans.

14. **C. elongata** (p. 4).

C. Dowiana. C. × Appletoni.

14a. **C. × Enid**.

Sophrocattleya × Calypso. Sophrocattleya × Marcus.

14b. **C. × flavescens**.

C. Dowiana. C. × Loubetii.

Læliocattleya × Ernesti. L.-c. × Mount-Ophir.

L.-c. × Fournieri. L.-c. × Kronprinz.

15. **C. Forbesii** (p. 4).

Brassavola Digbyana. Brassocattleya × Holfordii.

C. Bowringiana. C. × Meadii.

Lælia cinnabarina. Læliocattleya × ronselensis.

15a. **Cattleya** × **Frasquita**.

C. Dowiana. C. × Milano.

16. **C. Gaskelliana** (p. 4).

C. Aclandiae. C. × Madouxiae.

C. amethystoglossa. C. × Adolphinæ.

C. granulosa. C. × Caduceus.

C. × Gratrixiae. C. × Nyeæ.

C. intermedia. C. × Vulcan.

C. Mossiæ. C. × Hyeæ.

C. velutina. C. × Casca.

C. Warneri. C. × Peetersiæ.

Epidendrum Par-  
kinsonianum. Epicattleya ×  
Lawrencei.E. vitellinum. E.-c. × magdeburg-  
ensis.Lælia Cowanii. Læliocattleya ×  
Lydia.Læliocattleya ×  
Schilleriana. L.-c. × Blountiæ.

L.-c. × Wellsiana. L.-c. × Dicksoniæ.

17. **C. granulosa** (p. 5).Brassavola Digby-  
ana. Brassocattleya ×  
Pluto.

C. Bowringiana. C. × Hopkinsii.

C. Gaskelliana. C. × Caduceus.

C. Luëddemanniana. C. × Minnie.

C. Trianæ. C. × Alfredi.

Lælia Perrinii. Lælio-cattleya ×  
Perrilosa.Læliocattleya ×  
elegans. L.-c. × Alexanderi.17a. **C. × Gratrixiæ**.

C. Gaskelliana. C. × Nyeæ.

19. **C. × Hardyana** (p. 5).

C. bicolor. C. × Adula.

C. Harrisoniana. C. × Cypheri.

C. Loddigesii. C. × Armstrongiæ.

C. Luëddemanniana. C. × Thurgoodiana.

C. Mossiæ. C. × Knollysiæ.

C. Trianæ. C. × Cooksoni.

C. velutina. C. × Davisii.

Lælia crispa. Læliocattleya ×  
crispo-Hardyana.

L. × Latona. L.-c. × Jason.

L. Perrinii. L.-c. × Ægina.

L. purpurata. L.-c. × Capartii.

Læliocattleya ×  
callistoglossa. L.-c. × Whiteleggei.

L.-c. × Gottoiana. L.-c. × Duncanii.

L.-c. × Hippolyta. L.-c. × Duchess.

21. **C. Harrisoniana** (p. 5).Brassavola  
Digbyana. Brassocattleya ×  
Hyeæ.**Cattleya Harrisoniana** (contd.)

C. Aclandiae. C. × Olenus.

C. × Hardyana. C. × Cypheri.

C. labiata. C. × Bertii.

C. maxima. C. × Hester.

C. Walkeriana. C. × Heathii.

Lælia flava. Læliocattleya ×  
Amarylloso.Læliocattleya ×  
callistoglossa. L.-c. × Priam.

L.-c. × exoniensis. L.-c. × Arethusa.

L.-c. × Nysa. L.-c. × Thetis.

22. **C. intermedia** (p. 5).Brassavola Digby-  
ana. Brassocattleya ×  
Cordelia.

C. Gaskelliana. C. × Vulcan.

Epidendrum fal-  
catum. Epicattleya ×  
Figaro.Lælia xanthina. Læliocattleya ×  
stellata.Læliocattleya ×  
warmhamensis. L.-c. × Orestes.22a. **C. × intertexta**.Lælia tenebrosa. Læliocattleya ×  
Gouldiæ.24a. **C. × Iris**.C. bicolor. C. × Farquharson-  
iana.

C. labiata. C. × Aliciæ.

C. Warscewiczii. C. × bellatula.

Læliocattleya ×  
Phryne. L.-c. × Lusitania.

L.-c. Truffautiana. L.-c. × Aureole.

26. **C. labiata** (p. 6).Brassavola glauca. Brassocattleya ×  
Pyrrha.

C. Dormaniana. C. × Lambeaui.

C. Harrisoniana. C. × Bertii.

C. × Iris. C. × Aliciæ.

C. × Rothschild-  
iana. C. × Law-Scho-  
fieldii.

C. Schilleriana. C. × Neptune.

C. velutina. C. × Lesueri.

C. Warscewiczii. C. × amabilis.

Epidendrum eburn-  
eum. Epicattleya ×  
balarucensis.27. **C. Lawrenceana** (p. 6).Brassavola Digby-  
ana. Brassocattleya ×  
Ena.

B. glauca. B.-c. × Peetersii.

B. nodosa. B.-c. × Mary.

C. amethysto-  
glossa. C. × Lawreglossa.

**Cattleya Lawrenceana**—(continued).

Læliocattleya × callistoglossa.	Læliocattleya × Peetersii.
L.-c. × Schilleriana.	L.-c. × gattonensis.
L.-c. × warnhamensis.	L.-c. × Lawrie.
Sophronitis grandiflora.	Soprocattleya × Atreus.
Sophrœlælia × læta.	Soprocattlælia × Phyllis.

28. **C. Leopoldi** (p. 6).

Brassavola Digbyana.	Brassocattleya × Praetii.
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29. **C. Loddigesii** (p. 7).

C. Dowiana.	C. × Sapho.
C. × Hardyana.	C. × Armstrongiæ.
C. Rex.	C. × Wavrinæ.
Epidendrum vitellinum.	Epicattleya × Wolteri.
Lælia anceps.	Læliocattleya × Wolteræ.

30. **C. Lueddemanniana** (p. 7).

Brassavola Digbyana.	Brassocattleya × Wellesleyæ.
Brassocattleya × Maroni.	B.-c. × Bayard.
C. granulosa.	C. × Minnie.
C. × Hardyana.	C. × Thurgoodiana.
C. Warscewiczii.	C. × Carmen.
Lælia superbians.	Læliocattleya × Denisii.
Læliocattleya × callistoglossa.	L.-c. × Lustre.
L.-c. × elegans.	L.-c. × Templeana.
L.-c. × Myra	L.-c. × Ixion.

31a. **C. × Mantinii**.

Læliocattleya × Ingramii.	Læliocattleya × Gilberta.
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33. **C. maxima** (p. 7).

C. Harrisoniana.	C. × Hester.
C. Schilleriana.	C. × Oviedo.
C. Warscewiczii	C. × Adrienne.

34. **C. Mendelii** (p. 7)

Brassavola fragrans	Brassocattleya × Seguinii.
C. × Murrayi.	C. × oakwoodiensis.
C. Schilleriana.	C. × McMastersiæ.
C. Schroederæ.	C. × Unique.
Lælia × cinnabrosa.	Læliocattleya × Veronique.
L. flava.	L.-c. × Paradise.

**Cattleya Mendelii**—(continued).

Læliocattleya × bella.	L.-c. × Zixa.
L.-c. × callistoglossa.	L.-c. × Schiffmanii.
L.-c. × elegans.	L.-c. × Memnon.
L.-c. × Greenwoodii.	L.-c. × Birkbeckii.
L.-c. × Hippolyta.	L.-c. × Goodsoni.

34a. **C. × Minerva**.

Læliocattleya × Clive.	Læliocattleya × Perseus.
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35. **C. Mossiæ** (p. 8).

C. Gaskelliana.	C. × Hyææ.
C. × Hardyana.	C. × Knollysiæ.
Læliocattleya × highburiensis.	L.-c. × Sirius.
L.-c. × Hyeana.	L.-c. × Milo.
L.-c. × Zephyra.	L.-c. × Golden-Glory.

35a. **C. × Murrayi**.

C. Mendelii.	C. × oakwoodiensis.
Lælia tenebrosa.	Læliocattleya × Leesææ.

36. **C. × O'Brieniana** (p. 8).

C. Dowiana.	C. × Ethelreda.
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38. **C. × Patrocini** (p. 8).

Brassavola Digbyana.	Brassocattleya × brunoyensis.
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39. **C. Percivaliana** (p. 8).

C. Schilleriana.	C. × Evadne.
Lælia harpophylla.	Læliocattleya × Adelina.
L. Jongheana.	L.-c. × Sunset.
L. pumila.	L.-c. × Sheila.

40. **C. quadricolor** (p. 8.)

Lælia harpophylla.	Læliocattleya × chocophylla.
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41. **C. Rex** (p. 8.)

C. Dowiana.	C. × triumphans.
C. Loddigesii.	C. × Wavrinæ.
C. Trianæ.	C. × Fallieri.
Lælia crispa.	Læliocattleya × Bievreana.

41a. **C. × Rothschildiana**.

Brassavola Digbyana.	Brassocattleya × Baron.
C. labiata.	C. × Law-Schofieldii.
Læliocattleya × callistoglossa.	L.-c. × Beta.



42. *Cattleya Schilleriana* (p. 8).

<i>C. Bowringiana.</i>	<i>C. × lucida.</i>
<i>C. labiata.</i>	<i>C. × Neptune.</i>
<i>C. maxima.</i>	<i>C. × Oviedo.</i>
<i>C. Mendelii.</i>	<i>C. × McMastersiæ.</i>
<i>C. Percivaliana.</i>	<i>C. × Evadne.</i>
<i>C. Schröderæ.</i>	<i>C. × Robertii.</i>
<i>Lælia flava.</i>	<i>Læliocattleya ×</i> <i>Alcyone.</i>
<i>Læliocattleya ×</i> <i>elegans.</i>	<i>L.-c. × Kitcheneri.</i>

43. *C. Schröderæ* (p. 9).

<i>Brassolælia ×</i> <i>Gratrixiæ.</i>	<i>Brassocatlælia ×</i> <i>Fowleri.</i>
<i>C. Mendelii.</i>	<i>C. × Unique.</i>
<i>C. Schilleriana.</i>	<i>C. × Robertii.</i>
<i>C. Skinneri.</i>	<i>C. × suavis.</i>
<i>Lælia Jongheana.</i>	<i>Læliocattleya ×</i> <i>Olivia.</i>
<i>L. × Latona.</i>	<i>L.-c. × Ganymede.</i>
<i>L. Perrinii.</i>	<i>L.-c. × Goodsonæ.</i>
<i>Læliocattleya ×</i> <i>Aphrodite.</i>	<i>L.-c. × Bradeæ.</i>
<i>L.-c. × Ernestii.</i>	<i>L.-c. × Alpha.</i>
<i>L.-c. × Hippolyta.</i>	<i>L.-c. × Lesueri.</i>
<i>Sophronitis grandi-</i> <i>flora.</i>	<i>Sophracattleya ×</i> <i>Heathii.</i>

44. *C. Skinneri* (p. 9).

<i>C. Schröderæ.</i>	<i>C. × suavis.</i>
<i>C. Warneri.</i>	<i>C. × Susannæ.</i>
<i>Epidendrum noc-</i> <i>turnum.</i>	<i>Epicattleya ×</i> <i>Lesueri.</i>

45. *C. superta* (p. 9).

<i>C. Dowiana.</i>	<i>C. × Cleopatra.</i>
<i>Lælia crispa.</i>	<i>Læliocattleya ×</i> <i>Salus.</i>

46. *C. Trianæ* (p. 9).

<i>C. granulosa.</i>	<i>C. × Alfredi.</i>
<i>C. × Hardyana.</i>	<i>C. × Cooksoni.</i>
<i>C. Rex.</i>	<i>C. × Fallieri.</i>
<i>C. velutina.</i>	<i>C. × Wildemani.</i>
<i>Lælia Cowanii.</i>	<i>Læliocattleya ×</i> <i>Oriens.</i>
<i>L. rupestris.</i>	<i>L.-c. × Glycera.</i>
<i>L. superbienis.</i>	<i>L.-c. × Pujeti.</i>
<i>Læliocattleya ×</i> <i>callistoglossa.</i>	<i>L.-c. × Barbarossa.</i>
<i>L.-c. × Ingramii.</i>	<i>L.-c. × Beau-</i> <i>clerkia.</i>
<i>L.-c. × warnham-</i> <i>ensis.</i>	<i>L.-c. × Veisen-</i> <i>pachii.</i>

47. *Cattleya velutina* (p. 9).

<i>C. Gaskelliana.</i>	<i>C. × Casca.</i>
<i>C. × Hardyana.</i>	<i>C. × Davisii.</i>
<i>C. labiata.</i>	<i>C. × Lesueri.</i>
<i>C. Trianæ.</i>	<i>C. × Wildemani.</i>
<i>C. Warscewiczii.</i>	<i>C. × Wincqiana.</i>

48. *C. Walkeriana* (p. 10).

<i>Brassavola glauca.</i>	<i>Brassocattleya ×</i> <i>Erotion.</i>
<i>C. Harrisoniana.</i>	<i>C. × Heathii.</i>

49. *C. Warneri* (p. 10).

<i>C. Gaskelliana.</i>	<i>C. × Peetersiæ.</i>
<i>C. Skinneri.</i>	<i>C. × Susannæ.</i>
<i>C. Warscewiczii.</i>	<i>C. × Dupreana.</i>
<i>Læliocattleya ×</i> <i>Gottoiana.</i>	<i>L.-c. × Linnæus</i>
<i>L.-c. × Hippolyta.</i>	<i>L.-c. × Firmin.</i>

50. *C. Warscewiczii* (p. 10).

<i>C. × Iris.</i>	<i>C. × bellatula.</i>
<i>C. labiata.</i>	<i>C. × amabilis.</i>
<i>C. Lueddeman-</i> <i>niana.</i>	<i>C. × Carmen.</i>
<i>C. maxima.</i>	<i>C. × Adrienne.</i>
<i>C. velutina.</i>	<i>C. × Wincqiana.</i>
<i>C. Warneri.</i>	<i>C. × Dupreana.</i>
<i>Epidendrum</i> <i>ciliare.</i>	<i>Epicattleya ×</i> <i>decipiens.</i>
<i>Lælia × cinna-</i> <i>brosa.</i>	<i>Læliocattleya ×</i> <i>Tunis.</i>
<i>L. × Iona.</i>	<i>L.-c. × Lucasii.</i>
<i>L. × juvenilis.</i>	<i>L.-c. × Hardieri.</i>
<i>L. longipes.</i>	<i>L.-c. × Geoffrey.</i>
<i>Lælio-cattleya ×</i> <i>callistoglossa.</i>	<i>L.-c. × Purple-</i> <i>Emperor.</i>
<i>L.-c. × Decia.</i>	<i>L.-c. × Hildegard.</i>
<i>L.-c. × Ingramii.</i>	<i>L.-c. × Elba.</i>
<i>L.-c. × Martinetii.</i>	<i>L.-c. × Wellesleyi.</i>
<i>Sophracattleya ×</i> <i>Cleopatra.</i>	<i>Sophracattleya ×</i> <i>Antiochus.</i>

50a. *C. × Wendlandiana.*

<i>Læliocattleya ×</i> <i>Clive.</i>	<i>Læliocattleya ×</i> <i>Goodyii.</i>
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50b. *C. × Whitei.*

<i>C. Dowiana.</i>	<i>C. × Waldemar.</i>
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## 11a. COCHLIODA.

1. *C. Noetzliana.*

<i>Odontoglossum</i> <i>crispum.</i>	<i>Odontioda × Brad-</i> <i>shawia.</i>
<i>O. Edwardii.</i>	<i>O. × Devossiana.</i>
<i>O. nobile.</i>	<i>O. × Vuylstekeæ.</i>

2. *C. sanguinea.*

<i>O. cirrhousm.</i>	<i>O. × heatonensis.</i>
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3. **Cochlioda vulcanica.**

O. cirrhosum. O. × Bohnhoffiæ.

**11b. CELEGYNE.**1. **C. asperata.**

C. Dayana. C. × Brymeriana.

2. **C. cristata.**

C. speciosa. C. × Colmanii.

3. **C. Dayana.**

C. asperata. C. × Brymeriana.

4. **C. speciosa.**

C. cristata. C. × Colmanii.

**13. CYMBIDIUM.**1. **C. eburneum** (p. 11).

C. giganteum. C. × heatonense.  
C. grandiflorum. C. × Holfordianum.  
C. × Veitchii. C. × Colmaniæ.

2. **C. giganteum** (p. 11).

C. eburneum. C. × heatonense.

3. **C. grandiflorum** (p. 11).

C. eburneum. C. × Holfordianum.

4. **C. Lowianum** (p. 11).

C. Tracyanum. C. × Cravenianum.  
C. × Veitchii. C. × Woodhamsianum.

5. **C. Mastersii** (p. 11).

C. Tracyanum. C. × woodlandense.

7. **C. Tracyanum** (p. 11).

C. Lowianum. C. × Cravenianum.  
C. Mastersii. C. × woodlandense.

7a. **C. × Veitchii.**

C. eburneum. C. × Colmaniæ.  
C. Lowianum. C. × Woodhamsianum.

**15. DENDROBIUM** (p. 11).1. **D. × Ainsworthii** (p. 11).

D. Hildebrandii. D. × Rallianum.

3. **D. aureum** (p. 11).

D. × Curtisii. D. × Nancy.  
D. × Wiganix. D. × chesingtonense.

6. **D. Brymerianum** (p. 11).

D. pulchellum. D. × Ashworthii.

7. **D. × Cassiopæ** (p. 11).

D. nobile. D. × Snowflake.

13a. **Dendrobium × Curtisii.**

D. aureum. D. × Nancy.  
D. Findlayanum. D. × gattonense.

15. **D. × Dominyanum** (p. 12).

D. × Wiganix. D. × Brodiei.

15a. **D. × Ellisii.**

D. nobile. D. × streathamense.

20. **D. Findlayanum** (p. 12).

D. × Curtisii. D. × gattonense.  
D. Hildebrandii. D. × Boundii.  
D. × Wiganix. D. × Blackianum.

23. **D. Hildebrandii** (p. 12).

D. × Ainsworthii. D. × Rallianum.  
D. Findlayanum. D. × Boundii.

26. **D. Linawianum** (p. 12).

D. signatum. D. × Myra.

30. **D. Maccarthiæ** (p. 12).

D. moniliforme. D. × Macjap.

32. **D. moniliforme** (p. 12).

D. Maccarthiæ. D. × Macjap.

33. **D. nobile** (p. 12).

D. × Cassiope. D. × Snowflake.  
D. × Ellisii. D. × streathamense.

D. × Wiganix. D. × Cooksoni.

38. **D. pulchellum** (p. 13).

D. Brymerianum. D. × Ashworthii.

43. **D. signatum** (p. 13).

D. Linawianum. D. × Myra.

50. **D. × Wiganix** (p. 13).

D. aureum. D. × chesingtonense.

D. × Dominyanum. D. × Brodiei.  
D. Findlayanum. D. × Blackianum.  
D. nobile. D. × Cooksoni.

**15a. DIACRIUM.**1. **D. bicornutum.**

Epidendrum Ellisii. Epidiacrium × Boundii.

E. radicans. E.-d. × gattonense.  
Lælia cinnabarina. Dialælia × Veitchii.

**18. EPIDENDRUM** (p. 14).Oa. **E. atropurpureum.**

Lælia cinnabarina. Epilælia × Thalia.  
L. harpophylla. E.-l. × Fletcheriana.  
L. purpurata. E.-l. × Lauchæana.

**Ob. Epidendrum aurantiacum.**

Lælia cinnabarina. Epilælia × Eva.

Oc. **E.** × Boundii.

E. xanthinum. E. × gattონense.

**2. E. ciliare** (p. 14).Cattleya Warsce- Epicattleya × decip-  
wiczii. iens.Lælia longipes. Epilælia × longi-  
ciliare.**7a. E. eburneum.**Cattleya labiata. Epicattleya × bala-  
rucensis.**8a. E. Ellisii.**Diacrium bicornu- Epidiacrium ×  
tum. Boundii.**11a. E. falcatum.**Cattleya inter- Epicattleya ×  
media. Figaro.**14a. E. nocturnum.**Cattleya Skinneri. Epicattleya ×  
Lesueri.**16. E. Parkinsonianum** (p. 14).Brassavola glauca. Brassoepidendrum  
× stamfordiense.Cattleya Gaskellii- Epicattleya × Law-  
ana. rencei.**16a. E. prismatocarpum.**Lælia tenebrosa. Epilælia × brad-  
fordienseis.**18. E. pseudepidendrum** (p. 14).

E. radicans. E. × Cleon.

**20. E. radicans** (p. 14).Diacrium bicornu- Epidiacrium ×  
tum. gattონense.E. pseudepiden- E. × Cleon.  
drum.**23. E. vitellinum** (p. 15).Cattleya Gaskellii- Epicattleya ×  
ana. magdeburgensis.

C. Loddigesii. E.-c. × Wolteri.

**25. E. xanthinum** (p. 15).

E. × Boundii. E. × gattონense.

**20. LÆLIA** (p. 15).

Oa. L. acuminata.

L. anceps. L. × Maroni.

**2. Lælia anceps** (p. 15.)Brassavola Digby- Brassolælia ×  
ana Lelieuxii.Cattleya Loddii- Læliocattleya ×  
gesii. Wolteræ.

L. acuminata. L. × Maroni.

L. harpophylla. L. × canariensis.

**4. L. Boothiana** (p. 15).Brassavola Digby- Brassolælia ×  
ana. Louis-Bel.**5. L. cinnabarina** (p. 15).Cattleya dolosa. Læliocattleya ×  
chardwarensis.

C. Forbesii. L.-c. × ronselensis.

Diacrium bicornu- Dialælia × Veitchii.  
tum.Epidendrum atro- Epilælia × Thalia.  
purpureum.

E. aurantiacum. E.-l. × Eva.

L. Jongheana. L. × Sidneana.

L. xanthina. L. × Nora.

**5a. L. × cinnabrosa.**Brassolælia × Brassolælia ×  
Helen. Gipsy.Cattleya Mendelii. Læliocattleya ×  
Veronique.

C. Warscewiczii. L.-c. × Tunis.

**5b. L. Cowanii.**Cattleya Dowiana. Læliocattleya ×  
Ariel.

C. Gaskelliana. L.-c. × Lydia.

C. Trianæ. L.-c. × Oriens.

L. Jongheana. L. × Gwennie.

**6. L. crispa** (p. 16).Cattleya × Hardy- Læliocattleya ×  
ana. crispo-Hardyana.

C. Rex. L.-c. × Bievreana.

C. superba. L.-c. × Salus.

Læliocattleya × L.-c. × Ursula.  
Leeana.L.-c. × Roeblingii. L.-c. × woodfordi-  
ensis.**7. L. Dayana** (p. 16).Læliocattleya × Læliocattleya ×  
bella. Cordelia.**9. L. flava** (p. 16).Brassavola glauca. Brassolælia ×  
westfieldienseis.

B. nodosa. B.-l. × fladosa.

Cattleya amethyst- Læliocattleya ×  
oglossa. Merciana.

C. Dowiana. L.-c. × Andromeda.

C. Harrisoniana. L.-c. × Amarylloso.

C. Mendelii. L.-c. × Paradise.

**Lælia flava** —(continued).

C. Schilleriana.	L.-c. × Alcyone.
L. Jongheana.	L. × Degeestiana.
L. purpurata.	L. × Statheræ.
Læliocattleya × Cappei.	Læliocattleya × vesinetensis.

10. **L. grandiflora** (p. 16).

Brassavola Digby- ana.	Brassolælia × Thwaitesii.
L. purpurata.	L. × Lawrencei.
L. tenebrosa.	L. × Bertii.

11. **L. grandis** (p. 16).

Læliocattleya × Ascania.	Læliocattleya × Martinia.
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13. **L. harpophylla** (p. 17).

C. Dowiana.	Læliocattleya × harpo-auræa.
C. Percivaliana.	L.-c. × Adelina.
C. quadricolor.	L.-c. × chocophylla.
Epidendrum atro- purpureum.	Epilælia × Fletcheriana.
L. anceps.	L. × canariensis.

13a. **L. × Iona.**

Cattleya Wars- cewiczii.	Læliocattleya × Lucasii.
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14. **L. Jongheana** (p. 17).

Cattleya Percival- iana.	Læliocattleya × Sunset.
C. Schröderæ.	L.-c × Olivia.
L. cinnabarina.	L. × Sidneana.
L. Cowanii	L. × Gwennie.
L. flava.	L. × Degeestiana.
L. tenebrosa.	L. × Daphne.
Læliocattleya × Ernestii.	Læliocattleya × Gamma.
Sophrolælia × læta.	Sophrolælia × Phroso.

14a. **L. × juvenilis.**

Cattleya Warsce- wiczii.	L.-c. × Hardieri.
L. tenebrosa.	L. × Dellacii.

15. **L. × Latona** (p. 17).

Cattleya Dowiana.	Læliocattleya × illustris.
C. × Hardyana.	L.-c. × Jason.
C. Schröderæ.	L.-c. × Ganymede.
L. purpurata.	L. × Ithone.
Læliocattleya × Canhamiana.	Læliocattleya × Zoroaster.
L.-c. × Gottoiana.	L.-c. × Mazharata.

16. **Lælia longipes** (p. 17).

Cattleya Wars- cewiczii.	Læliocattleya × Geoffrey.
Epidendrum cil- iare.	Epilælia × longi- ciliare.

17. **L. Perrinii** (p. 17).

Cattleya Eldorado.	Læliocattleya × Soulageana.
C. granulosa.	L.-c. × Perrilosa.
C. × Hardyana.	L.-c. × Ægina.
C. Schröderæ.	L.-c. × Goodsonæ.
Læliocattleya × Gottoiana.	L.-c. × Perrigottoi.

19. **L. pumila** (p. 17).

Cattleya Percival- iana.	Læliocattleya × Sheila.
Læliocattleya × Schilleriana.	L.-c. × Oracle.
Sophrolælia × Gratrixia.	Sophrolælia × Leda.

20. **L. purpurata** (p. 17).

Brassocattleya × Veitchii.	Brassocattleya × Veitchii.
Cattleya × Hardy- ana.	Læliocattleya × Capartii.
Epidendrum atro- purpureum.	Epilælia × Lauche- ana.
L. flava.	L. × Statheræ.
L. grandiflora.	L. × Lawrencei.
L. × Latona.	L. × Ithone.
Læliocattleya × warnhamensis.	Læliocattleya × Duquesnei.

20a. **L. rupestris.**

Cattleya Trianæ.	Læliocattleya × Glycera.
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21. **L. superbians** (p. 18).

Cattleya Luedde- manniana.	Læliocattleya × Denisii.
C. Trianæ.	L.-c. × Pujeti.

22. **L. tenebrosa** (p. 18)

Cattleya dolosa.	Læliocattleya × dolotene.
C. × intertexta.	L.-c. × Gouldia.
C. × Murrayi.	L.-c. × Leeseæ.
Epidendrum prismatocarpum.	Epilælia × brad- fordiensis.
L. grandiflora.	L. × Bertii.
L. × juvenilis.	L. × Dellacii.
L. Jongheana.	L. × Daphne.
Læliocattleya × elegans.	Læliocattleya × Dumatii.
L.-c. × Gottoiana.	L.-c. × tenegottoi.
L.-c. × Pallas.	L.-c. × Hopkinsii.

23. **Lælia xanthina** (p. 18).

Brassavola Digbyana.	Brassocælia × Jessopi.
Cattleya × Brymeriana.	Læliocattleya × ilsingtonensis.
C. intermedia.	L.-c. × stellata.
L. cinnabarina.	L. × Nora.
Læliocattleya × callistoglossa.	Læliocattleya × Wellesleyæ.
L.-c. × elegans.	L.-c. × Measuresiæ.

21. **LÆLIOCATTELEYA** (p. 19).2a. **L.-c. × Amelia.**

Cattleya Dowiana.	L.-c. × Schneideri.
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4. **L.-c. × Aphrodite** p. 19).

Cattleya Schroederæ.	L.-c. × Bradeæ.
L.-c. × callistoglossa.	L.-c. × Marnhami.

4a. **L.-c. × Ascania.**

Lælia grandis.	L.-c. × Martinizæ.
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5. **L.-c. × bella** (p. 19).

Cattleya Mendelii.	L.-c. × Zixa.
Lælia Dayana.	L.-c. × Cordelia.

6. **L.-c. × callistoglossa** (p. 19).

— Brassavola Digbyana.	Brassocatlælia × tringiensis.
• Cattleya × Hardyana.	L.-c. × Whiteleggei.
C. Harrisoniana.	L.-c. × Priam.
C. Lawrenceana.	L.-c. × Peetersii.
C. Lueddemanni-ana.	L.-c. × Lustre.
C. Mendelii.	L.-c. × Schiffmanii.
C. × Rothschildiana.	L.-c. × Beta.
• C. Trianaæ.	L.-c. × Barbarossa.
C. Warscewiczii.	L.-c. × Purple-Emperor.
Lælia xanthina.	L.-c. × Wellesleyæ.
L.-c. × Aphrodite.	L.-c. × Marnhami.

7. **L.-c. × Canhamiana** (p. 19).

Lælia × Latona.	L.-c. × Zoroaster.
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7a. **L.-c. × Cappei.**

Lælia flava.	L.-c. × vesinetensis.
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7b. **L.-c. × Charlesworthii.**

• Cattleya Dowiana.	L.-c. × Golden-Oriole.
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8. **L.-c. × Clive** (p. 19).

Cattleya × Minerva.	L.-c. × Perseus.
C. × Wendlandiana.	L.-c. × Goodyi.

8a. **L.-c. × Cranstounæ.**

Cattleya Dowiana.	L.-c. × Kelpie.
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8b. **L.-c. × Decia.**

C. Warscewiczii.	L.-c. × Hildegard.
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11. **L.-c. × Doris** (p. 19).

Brassavola Digbyana.	Brassocatlælia × Rowena.
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12. **L.-c. × elegans** (p. 19).

Cattleya dolosa.	L.-c. × Lambeaui.
C. Eldorado.	L.-c. × vivicans.
C. granulosa.	L.-c. × Alexanderi.
C. Lueddemanni-ana.	L.-c. × Templeana.
C. Mendelii.	L.-c. × Memnon.
C. Schilleriana.	L.-c. × Kitcheneri.
Lælia tenebrosa.	L.-c. × Dumatii.
L. xanthina.	L.-c. × Measuresiæ.
L.-c. × Martinetii.	L.-c. × Laura.

12a. **L.-c. × Ernestii** (p. 19).

Cattleya Dowiana.	L.-c. × Golden-Belle.
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C. × flavescens.	L.-c. × Mount Ophir.
C. Schroederæ.	L.-c. × Alpha.
Lælia Jongheana.	L.-c. × Gamma.
L.-c. × Greenwoodii.	L.-c. × Golden-Beauty.
L.-c. × Lucasiana.	L.-c. × Melina.

13. **L.-c. × exoniensis** (19).

Cattleya Harrisoniana.	L.-c. × Arethusa.
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14a. **L.-c. × Fournieri.**

Cattleya × flavescens.	L.-c. × Kronprinz.
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15. **L.-c. × Gottoiana** (p. 19).

Cattleya × Hardyana.	L.-c. × Duncanii.
C. Warneri.	L.-c. × Linnæus.
Lælia × Latona.	L.-c. × Mazharata.
L. Perrinii.	L.-c. × Perrigottoi.
L. tenebrosa.	L.-c. × tenegottoi.

15a. **L.-c. × Greenwoodii.**

Brassavola Digbyana.	Brassocatlælia × Lido.
Cattleya Mendelii.	L.-c. × Birkbeckii.
L.-c. × Ernestii.	L.-c. × Golden-Beauty.

**Læliocattleya**—(continued).15b. **L.-c.** × **highburiensis**.

C. Mossiæ. L.-c. × Sirius.

16. **L.-c.** × **Hippolyta** (p. 20).Brassavola Digby- Brassocatlælia ×  
ana. Hippocrates.Cattleya × Hardy- L.-c. × Duchess.  
ana.

C. Mendelii. L.-c. × Goodsoni.

C. Schroëderæ. L.-c. × Lesueri.

C. Warneri. L.-c. × Firmin.

16a. **L.-c.** × **Hyeana**.

C. Mossiæ. L.-c. × Milo.

17. **L.-c.** × **Ingrami** (p. 20).Cattleya × Man- L.-c. × Gilberta.  
tini.C. Trianæ. L.-c. × Beau-  
clerkizæ.

C. Warscewiczii. L.-c. × Elba.

18. **L.-c.** × **Leeana** (p. 20).

Cattleya Dowiana. L.-c. × Georgina.

Lælia crispa. L.-c. × Ursula.

18a. **L.-c.** × **Lucasiana**.

L.-c. × Ernestii. L.-c. × Melina.

18a. **L. c.** × **Martinetii**.Cattleya Warsce- L.-c. × Mitchellizæ.  
wiczii.

L.-c. × elegans. L.-c. × Laura.

18b. **L.-c.** × **Myra**.

C. Luëddemanniana. L.-c. × Ixion.

18b. **L.-c.** × **Nysa**.Cattleya Bowring- L.-c. × Tenos.  
iana.

C. Harrisoniana. L.-c. × Thetis.

19. **L.-c.** × **Pallas** (p. 20.).

Lælia tenebrosa. L.-c. × Hopkinsii.

19a. **L.-c.** × **Phryne**.

Cattleya × Iris. L.-c. × Lusitania.

20a. **L.-c.** × **Roëblingii**.Lælia crispa. L.-c. × woodford-  
iensis.22. **L.-c.** × **Schilleriana** (p. 20).Brassavola Digby- Brassocatlælia ×  
ana. balarucensis.Cattleya Gaskell- L.-c. × Blountizæ.  
iana.

C. Lawrenceana. L.-c. × gattonensis.

Lælia pumila. L.-c. × Oracle.

**Læliocattleya**—(continued).23. **L.-c.** × **Truffautiana**.

Cattleya × Iris. L.-c. × Aureole.

24. **L.-c.** × **warnhamensis**.Cattleya inter- L.-c. × Orestes.  
media.

C. Lawrenceana. L.-c. × Lawrie.

C. Trianæ. L.-c. × Veisen-  
pachii.

Lælia purpurata. L.-c. × Duquesnei.

25. **L.-c.** × **Wellsiana**.Cattleya Gaskell- L.-c. × Dicksonæ.  
iana.26. **L.-c.** × **Zephyra**.Cattleya Mossiæ. L.-c. × Golden-  
Glory.**25. MASDEVALLIA** (p. 20).13a. **M. fragrans**.M. Veitchiana. M. × Veitchio-  
fragrans.26. **M. Veitchiana** (p. 21).M. fragrans. M. × Veitchio-  
fragrans.**26. MILTONIA** (p. 22).0a. **M. × Bleuana**.

M. vexillaria. M. × Hyeana.

1. **M. Roëzii** (p. 22).Odontoglossum Odontonia ×  
cirrhosum. Ellwoodii.2. **M. vexillaria** (p. 22.)

M. × Bleuana. M. × Hyeana.

3. **M. Warscewiczii**.Odontoglossum Odontonia ×  
crispum. Lairessezæ.O. nobile. Odontonia ×  
culiginosa.**27. ODONTOGLOSSUM** (p. 22).0a. **O. × Adrianæ**.

O. crispum. O. × Fascinator.

O. Hallii. O. × Hallio-  
Adrianæ.

O. Harryanum. O. × Othello.

O. × harveng- O. × Oberthuri.  
tense.

O. Kegeljani. O. × ashlandense.

O. Rossii. O. × Bertii.

O. triumphans. O. × Ernestii.

0b. **O. × amabile**.

O. nobile. O. × Lobbii.

**Odontoglossum**—(continued).1. **O. × Andersonianum** (p. 22).

O. crispum. O. × Stewartianum.

O. luteopurpureum. O. × NESTA.

1a. **O. × armainvillierense**.

O. crispum. O. × Beaute-Celeste.

O. × Denisonæ. O. × Albertii.

O. Hallii. O. × altum.

O. nobile. O. × splendidissimum.

O. × percutum. O. × Cooksonæ.

O. × Rolfeæ. O. × percutum.

O. × spectabile. O. × venustulum.

O. × Vuylstekeæ. O. × gandavense.

1b. **O. blandum**.

O. nobile. O. × blando-nobile.

1c. **O. Cervantesii**.

O. Edwardii. O. × Lairessei.

2. **O. cirrhosum** (p. 22).

Cochlioda sanguinea. Odontioda × heatonensis.

Cochlioda vulcanica. Odontioda × Bohnhoffæ.

Miltonia Roezlii. Odontonia × Ellwoodii.

Odontoglossum crispum. Odontoglossum × Phœbe.

O. Edwardii. O. × Fletcherianum.

O. Harryanum. O. × Elaine.

O. hastilabium. O. × Eurydice.

O. × Rolfeæ. O. × Sylvia.

O. Rossii. O. × Fowlerianum.

O. × spectabile. O. × Gladys.

2a. **O. × Coradinei**.

O. crispum. O. × crispodinei.

O. triumphans. O. × Nemesis.

2b. **O. cordatum**.

O. nobile. O. × Gardneri.

2c. **O. × Crawshayanum**.

O. × cristatellum. O. × Amneris.

3. **O. crispum** (p. 22).

Cochlioda Nœtzliana. Odontioda × Bradshawæ.

Miltonia Warscewiczii. Odontonia × Lairesseæ.

Odontoglossum × Adrianæ. Odontoglossum × Fascinator.

**Odontoglossum crispum**—(contd.)

O. × Andersonianum. O. × Stewartianum.

O. × armainvillierense. O. × Beauté-Celeste.

O. cirrhosum. O. × Phœbe.

O. × Coradinei. O. × crispodinei.

O. × cristatellum. O. × Urania.

O. Edwardii. O. × Thompsonianum.

O. × excellens. O. × exultans.

O. × Hallixanthum. O. × auriferum.

O. × harvengtense. O. × hellemense.

O. Hunnewellianum. O. × Adrianæ.

O. nevadense. O. × Una.

O. × Rolfeæ. O. × Japonais.

O. × spectabile. O. × amabile.

O. × Vuylstekeæ. O. × caloglossum.

3a. **O. × cristatellum**.

O. × Crawshayanum. O. × Amneris.

O. crispum. O. × Urania.

O. Hallii. O. × Lucasianum.

O. Harryanum. O. × Amonasro.

4. **O. × Denisonæ** (p. 22).

O. × armainvillierense. O. × Albertii.

O. × harvengtense. O. × moortebeek-iense.

O. Kegeljani. O. × Mossiæ.

O. nobile. O. × amandum.

O. sceptrum. O. × fuscum.

O. × spectabile. O. × nitidum.

4a. **O. Edwardii**.

Cochlioda Nœtzliana. Odontioda × Devossiana.

O. Cervantesii. O. × Lairessei.

O. cirrhosum. O. × Fletcherianum.

O. crispum. O. × Thompsonianum.

O. × spectabile. O. × Aliceæ.

5a. **O. × excellens**.

O. crispum. O. × exultans.

5b. **O. × Fascinator**.

O. Harryanum. O. × tigrinum.

O. × Wattianum. O. × Astræa.

6. **O. Hallii** (p. 22).

O. × Adrianæ. O. × Hallio-Adrianæ.

O. × armainvillierense. O. × altum.

O. × cristatellum. O. × Lucasianum.

O. hastilabium. O. × heatonense.

O. Kegeljani. O. × Hallixanthum.

**Odontoglossum Hallii**—(*contd.*)

- O. nobile. O. × warnhamense.  
 O. × Rolfeæ. O. × lapidense.  
 O. triumphans. O. × Leo.

6a. **O. × Hallixanthum.**

- O. crispum. O. × auriferum.

7. **O. Harryanum** (p. 22).

- O. × Adrianæ. O. × Othello.  
 O. cirrhosum. O. × Elaine.  
 O. × cristatellum. O. × Amonasro.  
 O. × Fascinator. O. × tigrinum.  
 O. Hunnewellianum. O. × Iago  
 O. sceptrum. O. × Lambeauizæ.  
 O. tripudians. O. × Astarte.

7a. **O. × harvengtense.**

- O. × Adrianæ. O. × Oberthuri.  
 O. crispum. O. × hellemense.  
 O. × Denisonæ. O. × moortebeek-  
 iense.  
 O. × Rolfeæ. O. × Wiganianum.

7b. **O. hastilabium.**

- O. cirrhosum. O. × Eurydice.  
 O. Hallii. O. × heatonense.

7c. **Hunnewellianum.**

- O. crispum. O. × Adrianæ.  
 O. Harryanum. O. × Iago.

8. **O. Kegeljani** (p. 22).

- O. × Adrianæ. O. × ashlandense.  
 O. × Denisonæ. O. × Mossiæ.  
 O. Hallii. O. × Hallixanthum  
 O. nobile. O. × Terpsichore.

10. **O. luteopurpureum** (p. 22).

- O. × Andersonianum. O. × Nesta.  
 O. nobile. O. × Brandtiæ.  
 O. triumphans. O. × Jorisianum.

10a. **O. nevadense.**

- O. crispum. O. × Una.

11. **O. nobile** (p. 22).

- Cochlioda Noetzliana. Odontioda × Vuylstekeæ.  
 Miltonia Roezlii. Odontonia × culiginosa.  
 Odontoglossum × amabile. Odontoglossum × Lobbi.  
 O. × armainvillierense. O. × splendidissimum.  
 O. blandum. O. × blando-nobile.  
 O. cordatum. O. × Gardneri.  
 O. × Denisonæ. O. × amandum.  
 O. Hallii. O. × warnhamense.

**Odontoglossum nobile**—(*contd.*)

- O. Kegeljani. O. × Terpsichore.  
 O. luteopurpureum. O. × Brandtiæ.  
 O. × Rolfeæ. O. × formosum.  
 O. × spectabile. O. × Ossultoni.  
 O. × Wattianum. O. × Ariadne.

11a. **O. × percultum.**

- O. × armainvillierense. O. × Cooksonæ.

11b. **O. × Rolfeæ.**

- O. × armainvillierense. O. × percultum.  
 O. cirrhosum. O. × Sylvia.  
 O. crispum. O. × Japonais.  
 O. Hallii. O. × lapidense.  
 O. × harvengtense. O. × Wiganianum.  
 O. nobile. O. × formosum.  
 O. × spectabile. O. × Cambria.  
 O. triumphans. O. × Lawrenceanum.

11c. **O. Rossii.**

- O. × Adrianæ. O. × Bertii.  
 O. cirrhosum. O. × Fowlerianum.  
 O. × spectabile. O. × Smithii.

12. **O. sceptrum** (p. 22).

- O. × Denisonæ. O. × fuscum.  
 O. Harryanum. O. × Lambeauizæ.  
 O. × spectabile. O. × Euphrosyne.  
 O. triumphans. O. × Stella.

12a. **O. × spectabile.**

- O. × armainvillierense. O. × venustulum.  
 O. cirrhosum. O. × Gladys.  
 O. crispum. O. × amabile.  
 O. × Denisonæ. O. × nitidum.  
 O. Edwardii. O. × Aliceæ.  
 O. nobile. O. × Ossultoni.  
 O. × Rolfeæ. O. × Cambria.  
 O. Rossii. O. × Smithii.  
 O. sceptrum. O. × Euphrosyne.

13. **O. tripudians** (p. 22).

- O. Harryanum. O. × Astarte.

14. **O. triumphans** (p. 22).

- O. × Adrianæ. O. × Ernestii.  
 O. × Coradinei. O. × Nemesis.  
 O. Hallii. O. × Leo.  
 O. luteopurpureum. O. × Jorisianum.  
 O. × Rolfeæ. O. × Lawrenceanum.  
 O. sceptrum. O. × Stella.



**Odontoglossum**—(continued).15. **O. × Vuylstekeæ.**

- O. × armainvillier-ense.  
O. × gandavense.  
O. crispum. O. × caloglossum.

16. **O. × Wattianum.**

- O. × Fascinator. O. × Astræa.  
O. nobile. O. × Ariadne.

**28. PAPHIOPEDILUM** (p. 22).1a. **P. × Andromeda.**

- P. Rothschildianum. P. × Pelican.

1b. **P. × Annie.**

- P. bellatulum. P. × Fred.

1c. **P. × Aphrodite.**

- P. × Harrisianum. P. × St.-Albans.

3. **P. Argus** (p. 22).

- P. exul. P. × Phryne.  
P. Fairrieianum. P. × luxemburgense.  
P. Godefroyæ. P. × exquisitum.  
P. × Godseffianum. P. × Bridgei.  
P. × Io. P. × Io-Argus.  
P. Mastersianum. P. × Upcheri.  
P. × Schlesingerianum. P. × bridgense.  
P. × Swinburnei. P. × nigratum.  
P. × Youngianum. P. × Argo-Youngii.

4. **P. × Arthurianum** (p. 23).

- P. ciliolare. P. × Imogene.  
P. insigne. P. × Sanarthur.  
P. × Lathamianum. P. × Lonsdaleæ.  
P. × œnanthum. P. × Laura.  
P. × nitens. P. × keigleyense.

5a. **P. × Atys.**

- P. × callosobarbatum. P. × Riddifordii.

5b. **P. × augustum.**

- P. Rothschildianum. P. × fastuosum.

5c. **P. × aureum.**

- P. callosum. P. × altrinchamense.  
P. Charlesworthii. P. × De-Vere.  
P. insigne. P. × Duchess.  
P. × Leeanum. P. × Tracyanum.

**Paphiopedilum**—(continued).7. **P. barbatum** (p. 23).

- P. × calophyllum. P. × Lubbersii  
P. exul. P. × Yolande.  
P. × nitens. P. × Sally.

8. **P. bellatulum** (p. 23).

- P. × Annie. P. × Fred.  
P. × Euryale. P. × Whiteleggei.  
P. × Haywoodianum. P. × Haywoodiæ.  
P. × Io. P. × dourdaniense.  
P. Mastersianum. P. × Hopkinsianum.

8a. **P. × Berkeleyanum.**

- P. × Swinburnei. P. × Lucasii.

11a. **P. × Buchanianum.**

- P. × Calypso. P. × Brilliant.

12a. **P. × calloso-barbatum.**

- P. × Atys. P. × Riddifordii.

13. **P. callosum** (p. 24).

- P. × aureum. P. × altrinchamense.  
P. × Matthewsii. P. × Readii.  
P. × nitens. P. × Wendigo.  
P. × gigas? P. × Seymouri.  
(Prewettii).  
P. × triumphans. P. × Rajah.

14. **P. × calophyllum** (p. 25).

- P. barbatum. P. × Lubbersii.

15. **P. × Calypso** (p. 25).

- P. × Buchanianum. P. × Brilliant.  
P. × Figaro. P. × Madame.  
P. × Godseffianum. P. × Robbinsii.

17. **P. Chamberlainianum** (p. 25).

- P. Charlesworthii. P. × Willoughbyæ  
P. ciliolare. P. × claptonense.  
P. Mastersianum. P. × Statherianum.  
P. Stonei. P. × Ethel.  
P. tonsum. P. × Muriel.

19. **P. Charlesworthii** (p. 25).

- P. × aureum. P. × De-Vere.  
P. Chamberlainianum. P. × Willoughbyæ.  
P. × Haywoodianum. P. × leyburnense.  
P. × Hera. P. × Moloch.  
P. × Lucie. P. × Aitchisonæ.  
P. × Niobe. P. × Blanche.  
P. × nitens. P. × Thornianum.  
P. purpuratum. P. × Faunus.  
P. × Swanianum. P. × Clarkii.

**Paphiopedilum**—(continued).

20. **P. × chloroneurum** (p. 26).  
 P × nitens. P × Chameleon.
21. **P. ciliolare** (p. 26).  
 P. × Arthurianum. P. × Imogene.  
 P. Chamberlainianum. P. × claptonense.  
 P. Fairrieanum. P. × Beauclerkiaë.
- 22a. **P. × Clinkaberryanum**.  
 P. insigne. P. × Lucasiaë.
- 25a. **P. × conco-bellatulum**.  
 P. insigne. P. × Singeri.
26. **P. concolor** (p. 26).  
 P. exul. P. × exul-concolor.  
 P. tonsum. P. × conco-tonsum.
30. **P. Curtisii** (p. 26).  
 P. Mastersianum. P. × Cypheri.  
 P. tonsum. P. × Frankeanum.
33. **P. Dayanum** (p. 27).  
 P. × Gowerianum. P. × Iacchus.
34. **P. Druryi** (p. 27).  
 P. Godefroyæ. P. × Honnoræ.  
 P. Rothschildianum. P. × Cooksoni.  
 P. × Youngianum. P. × Healei.
- 34a. **P. × Eismannianum**.  
 P. insigne. P. × Hackenschmidtii.
36. **P. × Euryale** (p. 27).  
 P. bellatulum. P. × Whiteleggei.  
 P. × triumphans. P. × Victory.
- 36a. **P. × Evelyn** (p. 27).  
 P. × nitens. P. × Mooreanum.
37. **P. exul** (p. 27).  
 P. Argus. P. × Phryne.  
 P. barbatum. P. × Yolande.  
 P. concolor. P. × exul-concolor.  
 P. insigne. P. × Robsoni.  
 P. Mastersianum. P. × Mastersio-exul.  
 P. × nitens. P. × Tankervillei.  
 P. superbiens. P. × Minerva.  
 P. tonsum. P. × Margery.
38. **P. Fairrieanum** (p. 27).  
 P. Argus. P. × luxemburgense.  
 P. ciliolare. P. × Beauclerkiaë.  
 P. × Io. P. × Fairrieano-Io.

**Paphiopedilum**—(continued).

- 38a. **P. × Figaro**.  
 P. × Calypso. P. × Madame.
- 41a. **P. × gigas? (Prewettii)**.  
 P. callosum. P. × Seymouri.  
 P. × Leea-num. P. × Leon.
42. **P. Godefroyæ** (p. 28).  
 P. Argus. P. × exquisitum.  
 P. Druryi. P. × Honnoræ.  
 P. Hookeræ. P. × Pharos.  
 P. Lawrenceanum. P. × Dom-Carlos.  
 P. × Mabeliaë. P. × Fletcherianum.  
 P. Rothschildianum. P. × Barclayæ.  
 P. Spicerianum. P. × Vera.  
 P. tonsum. P. × Moorei.
43. **P. × Godseffianum** (p. 28).  
 P. Argus. P. × Bridgei.  
 P. × Calypso. P. × Robbinsii.
44. **P. × Gowerianum** (p. 28).  
 P. Dayanum. P. × Iacchus.  
 P. Lawrenceanum. P. × Lawregower.  
 P. Sanderianum. P. × Wellesleyæ.
46. **P. × Harrisianum** (p. 28).  
 P. × Aphrodite. P. × St-Albans.  
 P. × Hera. P. × Trippiaë.  
 P. × triumphans. P. × Sheila.  
 P. × Winnianum. P. × Rhesus.
48. **P. × Haywoodianum** (p. 29).  
 P. bellatulum. P. × Haywoodiaë.  
 P. Charlesworthii. P. × leyburnense.  
 P. Spicerianum. P. × Rose.
49. **P. × Hera** (p. 29).  
 P. Charlesworthii. P. × Moloch.  
 P. × Harrisianum. P. × Trippiaë.  
 P. insigne. P. × Draco.  
 P. × Lathamianum. P. × Emile.  
 P. Rothschildianum. P. × Black-Prince.  
 P. Spicerianum. P. × Cravenianum.  
 P. villosum. P. × Dicksonianum.
- 50a. **P. × Hitchinsiaë**.  
 P. × nitens. P. × Baron.
51. **P. Hookeræ** (p. 29).  
 P. Godefroyæ. P. × Pharos.
52. **P. insigne** (p. 29).  
 P. Arthurianum. P. × Sanarthur.  
 P. × aureum. P. × Duchess.

**Paphiopedilum insigne**—(*contd.*)

- P. × Clinkaberry-anum. P. × Lucasia.  
 P. × conco-bellatum. P. × Singeri.  
 P. × Eismannianum. P. × Hackenschmidtii.  
 P. exul. P. × Robsoni.  
 P. × Hera. P. × Draco.  
 P. × Orpheus. P. × Thais.  
 P. Rothschildianum. P. × ingens.  
 P. × Sanacteus. P. × Sanacdera.  
 P. × Simonii. P. × Sanacteus.  
 P. Victoria-Mariae. P. × Dorothy.

53. **P. × Io** (p. 30).

- P. Argus. P. × Io-Argus.  
 P. bellatum. P. × dourdanianse.  
 P. Fairrieanum. P. × Fairrieano-Io.

55. **P. × Lathamianum** (p. 30).

- P. × Arthurianum. P. × Lonsdalea.  
 P. × Hera. P. × Emile.  
 P. × Wottoni. P. × Brunette.

57. **P. Lawrenceanum** (p. 30).

- P. Godefroya. P. × Dom Carlos.  
 P. × Gowerianum. P. × Lawregower.  
 P. × Niobe. P. × Wellesleyi.

58. **P. × Leeannum** (p. 31).

- P. × aureum. P. × Tracyanum.  
 P. × Medeia. P. × Shaferi.  
 P. × Pollettianum. P. × westfieldiense.

- P. × gigas? P. × Leon.  
 (Prewettii).

- P. Rothschildianum. P. × Williamsonianum.  
 P. × Simonii. P. × Marjorie.

59. **P. Lowii** (p. 31).

- P. Stonei. P. × Mercatellii.

60. **P. × Lucie** (p. 32).

- P. Charlesworthii. P. × Aitchisona.

62. **P. × Mabelia** (p. 32).

- P. Godefroya. P. × Fletcherianum.  
 P. superbiens. P. × Braceyannum.

66. **P. Mastersianum** (p. 32).

- P. Argus. P. × Upcheri.  
 P. bellatum. P. × Hopkinsianum.  
 P. Chamberlainianum. P. × Statherianum.  
 P. Curtisii. P. × Cypheri.

**Paphiopedilum Mastersianum** (*contd.*)

- P. exul. P. × Mastersio-exul.  
 P. niveum. P. × Humbertii.  
 P. Rothschildianum. P. × dellense.  
 P. villosum. P. × Mastersio-villosum.

66a. **P. × Matthewsii**.

- P. callosum. P. × Readii.

68. **P. × Medeia** (p. 32).

- P. × Leeannum. P. × Shaferi.

68a. **P. × Minos**.

- P. × nitens. P. × Webbia.

70. **P. × Niobe** (p. 32.)

- P. Charlesworthii. P. × Blanche.  
 P. Lawrenceanum. P. × Wellesleyi.  
 P. villosum. P. × Fabiola.

71. **P. × nitens** (p. 32).

- P. × Arthurianum. P. × keighleyense.  
 P. barbatum. P. × Sally.  
 P. callosum. P. × Wendigo.  
 P. Charlesworthii. P. × Thornianum.  
 P. × chloroneurum. P. × Chameleon.  
 P. × Evelyn. P. × Mooreannum.  
 P. exul. P. × Tankervillei.  
 P. × Hitchinsia. P. × Baron.  
 P. × Minos. P. × Webbia.  
 P. Rothschildianum. P. × Edwardianum.  
 P. × Schlesingerianum. P. × Scipio.  
 P. × triumphans. P. × bowdonense.

72. **P. niveum** (p. 32).

- P. Mastersianum. P. × Humbertii.

72a. **P. × Norma**.

- P. villosum. P. × villma.

74. **P. × œnanthum** (p. 33).

- P. × Arthurianum. P. × Laura.  
 P. × Orpheus. P. × Seraphis.  
 P. × Pollettianum. P. × Stephanos.  
 P. × selligerum. P. × Earl.  
 P. × vexillarium. P. × epicasta.

76. **P. × Orpheus** (p. 33).

- P. insigne. P. × Thais.  
 P. × œnanthum. P. × Seraphis.

82. **P. philippinense** (p. 33).

- P. × vexillarium. P. × Bella.

**Paphiopedilum**—(continued).

83. **P. × Pollettianum** (p. 33).  
*P. × Lee anum.* *P. × westfield-  
 iense.*  
*P. × œnanthum.* *P. × Stephanos.*
84. **P. præstans** (p. 83).  
*P. villosum.* *P. × Vanessa.*
85. **P. purpuratum** (p. 33).  
*P. Charlesworthii.* *P. × Faunus.*
88. **P. Rothschildianum** (p. 34).  
*P. × Andromeda.* *P. × Pelican.*  
*P. × augustum.* *P. × fastuosum.*  
*P. Druryi.* *P. × Cooksoni.*  
*P. Godefroyæ.* *P. × Barclayæ.*  
*P. × Hera.* *P. × Black-Prince.*  
*P. insigne.* *P. × ingens.*  
*P. × Lee anum.* *P. × Williamsons-  
 anum.*  
*P. Mastersianum.* *P. × dellense.*  
*P. × nitens.* *P. × Edwardi-  
 arum.*  
*I. Stonei.* *P. × imperiale.*
- 88a. **P. × Sanacteus.**  
*P. insigne.* *P. × Sanacderæ.*
89. **P. Sanderianum** (p. 34).  
*P. × Gowerianum.* *P. × Wellesleyæ.*  
*P. × Youngianum.* *P. × Herbert.*
91. **P. × Schlesingerianum** (p. 34).  
*P. Argus.* *P. × bridgense.*  
*P. × nitens.* *P. × Scipio.*
93. **P. × selligerum** (p. 34).  
*P. × œnanthum.* *P. × Earl.*
96. **P. × Simonii** (p. 35).  
*P. insigne.* *P. × Sanacteus.*  
*P. × Lee anum.* *P. × Marjorie.*
97. **P. Spicerianum** (p. 35).  
*P. Godefroyæ.* *P. × Vera.*  
*P. × Haywood-  
 ianum.* *P. × Rose.*  
*P. × Hera.* *P. × Cravenianum.*  
*P. × Winnianum.* *P. × Jerming-  
 hamia.*
98. **P. Stonei** (p. 35).  
*P. Chamberlain-  
 ianum.* *P. × Ethel.*  
*P. Lowii.* *P. × Mercatellii.*  
*P. Rothschild-  
 ianum.* *P. × imperiale.*

**Paphiopedilum**—(continued).

99. **P. superbiens** (p. 35).  
*P. exul.* *P. × Minerva.*  
*P. × Mabelia.* *P. × Bracey anum.*  
*P. tonsum.* *P. × tonso-super-  
 biens.*
101. **P. × Swanianum** (p. 36).  
*P. Charlesworthii.* *P. × Clarkii.*
102. **P. × Swinburnei** (p. 36).  
*P. Argus.* *P. × nigratum.*  
*P. × Berkeley-  
 anum.* *P. × Lucasii.*
104. **P. tonsum** (p. 36).  
*P. Chamberlain-  
 ianum.* *P. × Muriel.*  
*P. concolor.* *P. × conco-tonsum.*  
*P. Curtisii.* *P. × Franke anum.*  
*P. exul.* *P. × Margery.*  
*P. Godefroyæ.* *P. × Moorei.*  
*P. superbiens.* *P. × tonso-super-  
 biens.*
- 104a. **P. × triumphans.**  
*P. callosum* *P. × Rajah.*  
*P. × Euryale.* *P. × Victory.*  
*P. × Harrisianum.* *P. × Sheila.*  
*P. × nitens* *P. × bowdonense.*
107. **P. × vexillarium** (p. 37).  
*P. × œnanthum.* *P. × epicasta.*  
*P. philippinense.* *P. × Bella.*
108. **P. Victoria-Mariae** (p. 37).  
*P. insigne.* *P. × Dorothy.*  
*P. villosum.* *P. × Venilla.*
109. **P. villosum** (p. 37).  
*P. × Hera.* *P. × Dicksonianum.*  
*P. Mastersianum.* *P. × Mastersio-  
 villosum.*  
*P. × Niobe.* *P. × Fabiola.*  
*P. × Norma.* *P. × villma.*  
*P. præstans.* *P. × Vanessa.*  
*P. Victoria-Mariae.* *P. × Venilla.*
- 110a. **P. × Winnianum.**  
*P. × Harrisianum.* *P. × Rhesus.*  
*P. Spicerianum.* *P. × Jerning-  
 hamia.*
- 110b. **P. × Wottoni.**  
*P. × Latham-  
 anum.* *P. × Brunette.*
111. **P. × Youngianum** (37).  
*P. Argus.* *P. × Argo-Youngii.*  
*P. Druryi.* *P. × Healei.*  
*P. Sanderianum.* *P. × Herbert.*

**29. PHAIUS** (p. 37).

4. **P.** × **Cooksonæ** (p. 38).  
**P.** × oakwoodiensis. **P.** × Doris.
5. **P.** × **Cooksoni** (Norman).  
 Calanthe Regnieri, Phaiocalanthe ×  
 Colmanii.
- 9a. **P.** × **oakwoodiensis**.  
**P.** × Cooksonæ. **P.** × Doris.

**31. PHRAGMOPEDILUM** (p. 39).

4. **P. caricinum** (p. 39).  
**P.** × Lemoinier- **P.** × turconiense.  
 ianum.
- 9a. **P.** × **Lemoinierianum**.  
**P. caricinum.** **P.** × turconiense.

**31a. PROMENÆA.**

1. **P. stapelioides**.  
**P. xanthina.** **P.** × Rollisoni.
2. **P. xanthina**.  
**P. stapelioides.** **P.** × Rollisoni.

**33. SOBRALIA** (p. 40).

- 1a. **S. leucoxantha**.  
**S. Lowii.** **S.** × dellensis.
- 1b. **S. Lowii**.  
**S. leucoxantha.** **S.** × dellensis.

**33a. SOPHROCATTLEYA.**

1. **S.-c.** × **Calypso**.  
 Cattleya × Enid. **S.-c.** × Marcus.
2. **S.-c.** × **Cleopatra**.  
**C. Warscewiczii.** **S.-c.** × Antiochus.

**33b. SOPHROLÆLIA.**

1. **S.-l.** × **Gratrixiæ**.  
**L. pumila.** **S.-l.** × Leda.
2. **S.-l.** × **læta**.  
 Cattleya Law- Sophrocattlælia ×  
 renceana. Phyllis.  
 Lælia Jongheana. **S.-l.** × Phroso.
2. **S.-l.** × **Orpeti**.  
 Cattleya bicolor. Sophrocattlælia ×  
 Medea.

**34. SOPHRONITIS** (p. 40).

1. **S. grandiflora** (p. 40).  
 Cattleya Sophrocattleya ×  
 amethystoglossa. warnhamensis.  
**C. Dowiana.** **S.-c.** × Doris.  
**C. Lawrenceana.** **S.-c.** × Atreus.  
**C. Schræderæ.** **S.-c.** × Heathii.

**35. SPATHOGLOTTIS** (p. 40).

1. **S. aurea** (p. 40).  
**S.** × Veitchii. **S.** × Colmanii.
- 2a. **S.** × **Veitchii**.  
**S. aurea.** **S.** × Colmanii.

**36. STANHOPEA** (p. 41).

- 1a. **S. Martiana**.  
**S. tigrina.** **S.** × Wolteriana.
3. **S. tigrina** (p. 41).  
**S. Martiana.** **S.** × Wolteriana.

**39. ZYGOPETALUM** (p. 41).

- 3a. **Z. Jorisianum**.  
**Z. maxillare.** **Z.** × maxjorisii.
5. **Z. maxillare** (p. 41).  
**Z. Jorisianum.** **Z.** × maxjorisii.  
**Z. × Perrenoudi.** **Z.** × Gottianum.
6. **Z. × Perrenoudi** (p. 41).  
**Z. maxillare.** **Z.** × Gottianum.

## SUPPLEMENT TO PART II.

Containing additions up to the end of 1907 (the numbers and pages indicate the position in the body of the work).

### 5. BRASSOCATLÆLIA (p. 44).

0a. **B.-c.-l.** × **balarucensis** (Brassavola Digbyana × Læliocattleya × Schilleriana ♀), *O.R.* 1906, 135.—Denis, 1906.

0b. **B.-c.-l.** × **Fowleri** (Brassolælia × Gratrixia × Cattleya Schroederæ ♀), *O.R.* 1907, 151 ; *ŷ.H.* 1907, i. 455, f.—Fowler, 1907.

Brasso-Lælia-Cattleya × Fowleri, *G.C.* 1907, i. 290, 303, f 125.

0c. **B.-c.-l.** × **Hippocrates** (Brassavola Digbyana × Læliocattleya × Hippolyta ♀).—Holford, 1907.

Brasso-Lælio-Cattleya × Hippocrates, *G.C.* 1907, ii. 221 ; *O.R.* 1907, 308.

1a. **B.-c.-l.** × **Lido** (Brassavola Digbyana ♀ × Læliocattleya × Green woodii), *O.R.* 1907, 63, 179.—Maron, 1906.

Læliocattleya × Lido, *ŷ. S. H. Fr.* 1906, 753.

Brasso-Lælio-Cattleya × Lido, *G.C.* 1907, i. 354.

2. **F.-c.-l.** × **Mackayi** (p. 44).

Brasso-Lælio-Cattleya × elegans-Digbyana, *G.C.* 1906, ii. 201.—Charlesworth.

B.-c.-l. × elegans-Digbyana, *O.R.* 1906, 309.

2a. **B.-c.-l.** × **Rowena** (Brassavola Digbyana × Læliocattleya × Doris), *O.R.* 1907, 315.—Holford, 1907.

Brasso-Lælio-Cattleya × Rowena, *G.C.* 1907, ii. 190 ; *O.R.* 1907, 306 ; *G.M.* 1907, 661, f.

Brasso-catt-lælia × Rowena, *ŷ.H.* 1907, ii. 267, f.

Brassocattleya × Rowena, *O.R.* 1907, 341 (v. rubella).

2b. **B.-c.-l.** × **tringiensis** (Brassavola Digbyana × Læliocattleya × callistoglossa ♀).—Hon. W. Rothschild, 1904.

Læliocattleya × Digbyano-Arnoldi, *G.C.* 1904, i. June 4, suppl. 2.—Hon. W. Rothschild.

L.-c. × Ardernia, *G.C.* 1904, ii. 346 ; *O.R.* 1904, 368.—Ardern.

B.-c.-l. × Tring Park Hybrid, *O.R.* 1906, 180.—Hon. W. Rothschild.

2c. **B.-c.-l.** × **Veitchii** (Brassocattleya × Veitchii × Lælia purpurata ♀), *O.R.* 1907, 149.—Veitch, 1906.

Lælio-Brasso-Cattleya × Veitchii, *G.C.* 1906, i. 254 ; *O.R.* 1906, 150.

Brasso-Cattleya-Lælia × Veitchii, *G.C.* 1907, i. 259.

Brasso-Catt-Lælia × Veitchii, *G.C.* 1907, i. 259 ; *ŷ.H.* 1907, i. 479, f.

6. **BRASSOCATTLEYA** (p. 44).

0a. **B.-c. × Alexanderi** (*Brassavola Digbyana* × *Cattleya citrina* ♀), *O.R.* 1907, 125.—Holford, 1907.

*B.-c. × H. G. Alexander*, *G.C.* 1907, i. 161; *O.R.* 1907, 115.—Holford.

0b. **B.-c. × Baron** (*B. Digbyana* × *C. × Rothschildiana*).—Sander, 1906.

*B.-c. × The Baron*, *G.C.* 1906, i. 223, 281, suppl. f.; *O.R.* 1906, 147.—Sander.

*Laeliocattleya × The Baron*, *G.M.* 1906, 239, f.

• 0c. **B.-c. × Bayard** (*B.-c. × Maroni × C. Lueddemanniana* ♀). Maron, 1906.

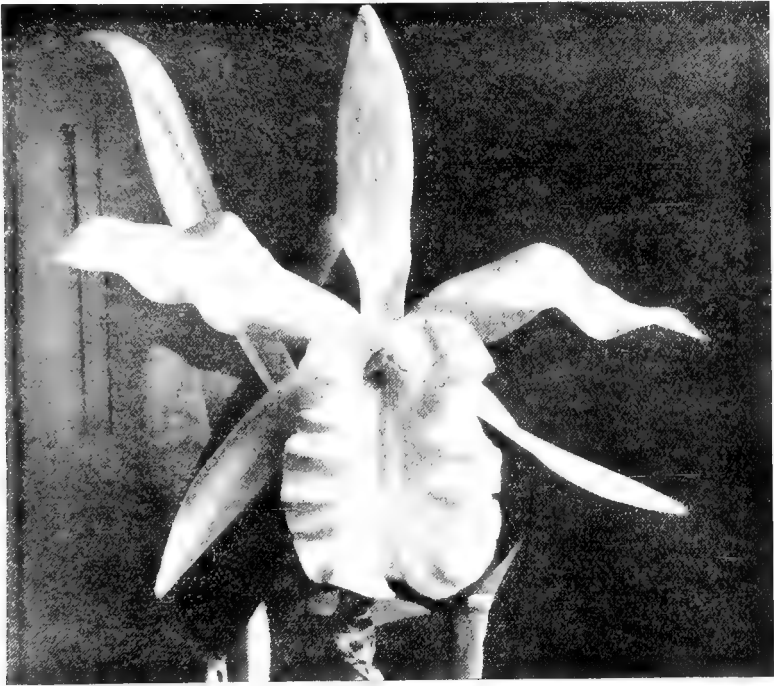


Fig. 93. **BRASSOCATTLEYA × EROTION.**

*Laelio-cattleya × Bayard*, *ŷ. S. H. Fr.* 1906, 510.

1a. **B.-c. × brunoyensis** (*B. Digbyana* × *C. × Patrocinii* ♀).—Maron, 1906.

*Laelio-cattleya × Gaudi-Digbyana*, *ŷ. S. H. Fr.* 1906, 505 —Maron.

3a. **B.-c. × Cordelia** (*B. Digbyana* × *C. intermedia* ♀), *O.R.* 1906, 287.—Holford, 1906.

3b. **B.-c. × Ena** (*B. Digbyana* × *C. Lawrenceana* ♀), *G.C.* 1907, ii. 190; *O.R.* 1907, 307.—Veitch, 1907.

3c. **B.-c. × Erotion** (*B. glauca* ♀ × *C. Walkeriana*), *O.R.* 1906, 49, f. 6.—Thayer, 1906. [See Fig. 93.

5a. **B. c. × Holfordii** (*B. Digbyana* × *C. Forbesii* ♀).—Holford, 1906.

*Laeliocattleya* × *Digbyano-Forbesii*, *ŷ. S. H. Fr.* 1907, 467.—Maron.

*B.-c.* × *Digbyano-Forbesii*, *G.C.* 1906, ii. 265 ; *O.R.* 1906, 339, 350.—Holford.

\* 5b. *B.-c.* × **Hyeæ** (*B. Digbyana* × *C. Harrisoniana* ♀), *O.R.* 1907, 113, f. 12.—Hye, 1905. See Fig. 94

*B.-c.* × *Madame Jules Hye*, *Rev. II. Belge*, 1906, 23, 281 ; *G.C.* 1906, ii. 36 ; *O.R.* 1906, 243, 255.—Hye.

6. *B.-c.* × **langleyensis** (p. 45).

*B.-c.* × *Warburtoni*, *G.C.* 1907, i. 31 ; *O.R.* 1907, 55.—Warburton.



Fig. 94. BRASSOCATTELYA × HYEÆ.

7. *B.-c.* × **Leemannia** (p. 45).

*B.-c.* × *Mrs. J. Leemann*, *Gard.* 1906, ii. 311, f. (v. *inversa*) ; *G.C.* 1907, i. 351, f. 148 (v. *Rajah*).

\* 8. *B.-c.* × **Maria** (p. 45).

*B.-c.* × *Warneri-Digbyana*, *Gard.* 1904, ii. 216.—Charlesworth.

*Laeliocattleya* × *Eric Lucas*, *Gard.* 1904, ii. 320.—Lucas.

10a. *B.-c.* × **Mary** (*B. nodosa* ♀ × *C. Lawrenceana*), *G.C.* 1907, ii. 37 ; *O.R.* 1907, 242 ; *ŷ.H.* 1907, ii. 99, f.—Colman, 1907.

13. *B.-c.* × **Orpheus** (p. 47).



B.-c. × Juliette Wallet, *ŷ. S. H. Fr.* 1906, 758.—Maron.

13a. B.-c. × Peetersii (B. glauca ♀ × C. Lawrenceana), *O.R.* 1905, 119; *Dict. Ic. O.* B.-c. t. 1.—Peeters, 1905.

13b. **B.-c.** × **Pluto** (B. Digbyana × C. granulosa ♀), *G.C.* 1907, i, 31; *O.R.* 1907, 39, 49.—Holford, 1907.

14a. **B.-c.** × **Praetii** (B. Digbyana × C. Leopoldi).—Praet, 1904.

B.-c. × (unnamed), *Rev. H. Belge*, 1904, 240.—Praet.

14b. **B.-c.** × **Pyrha** (B. glauca ♀ × C. labiata), *G.C.* 1906, i, 30; *O.R.* 1906, 51.—Veitch, 1906.

16a. **B.-c.** × **Seguinii** (B. fragrans ♀ × C. Mendelii), *ŷ. S. H. Fr.* 1904, 761.—Lesueur, 1904.

19. **B.-c.** × **Veitchii** (p. 48)

B.-c. × Princess Victoria, *Gard.* 1904, ii, 283; *G. World*, 1904, 852. Charlesworth.

• B.-c. × Queen Alexandra, *G.C.* 1905, ii, 190.—Charlesworth.

20. **B.-c.** × **Wellesleyæ** (B. Digbyana × C. Lueddemanniana ♀).—Wellesley, 1906.

B.-c. × Mrs Francis Wellesley, *G.C.* 1906, i, 254, 422, suppl. t.; *O.R.* 1906, 135, 149; *G.M.* 1906, 269, f.—Wellesley.

#### 6a. **BRASSOEPIDENDRUM.**

1. **B.-e.** × **stamfordiense** (Brassavola glauca × Epidendrum Parkinsonianum ♀), *O.R.* 1906, 342.—Pitt, 1906.

B.-e. × Stamfordianum, *G.C.* 1906, ii, 298.—Pitt.

#### 7. **BRASSOLÆLIA** (p. 48)

1. **B.-l.** × **Bouletii** (p. 48).

Lælia × Eug. Boulet, *Dict. Ic. O.* Læl. hyb. t. 11.

2. **B.-l.** × **Clio** (p. 48).

B.-l. × Etoile de Marseilles, *ŷ. S. H. Fr.* 1905, 106.—Gaud.

2a. **B.-l.** × **fladosa** (Brassavola nodosa ♀ × Lælia flava), *G.C.* 1906, ii, 169; *O.R.* 1906, 277, 286, 287; 1907, 306.—Colman, 1906.

2b. **B.-l.** × **Gipsy** (B.-l. × Helen × L. × cinnabrosa), *G.C.* 1907, i, 290; *O.R.* 1907, 151; *G.M.* 1907, 331, f.—Holford, 1907.

4a. **B.-l.** × **Jessopi** (Brassavola Digbyana × L. xanthina ♀), *O.R.* 1907, 191.—Jessop, 1907.

• **4b. B.-l.** × **Lellieuxii** (B. Digbyana × L. anceps ♀), *ŷ. S. H. Fr.* 1906, 30; *O.R.* 1906, 60.—Denis, 1905.

B.-l. × (unnamed), *O.R.* 1906, 28.—Denis.

The specific name was inadvertently misspelt on p. 239.

4c. **B.-l.** × **Louis-Bel** (B. Digbyana × L. Boothiana ♀), *O.R.* 1907, 39.—Denis, 1907.

5a. **B.-l.** × **Thwaitesii** (B. Digbyana × L. grandiflora), *G.C.* 1907, ii, 116; *O.R.* 1907, 264, 275.—Thwaites, 1907.

6. **B.-1. × Veitchii** (p. 49).

B.-1. × Edward VII., *Orchis*, i. 37, t. 5.

B.-1. × *Digbyana-purpurata*, *ŷ.H.* 1907, ii. 27, f. (v. King Edward).

7. **B.-1. × westfieldiensis** (*B. glauca* × *L. flava*), *G.C.* 1907, i. 61, 62; *O.R.* 1907, 52.—Wellesley, 1907.

8. **CALANTHE** (p. 49).5. **C. × bella** (p. 49).

C. × *Phœbe*, *G.C.* 1905, i. 60; *O.R.* 1905, 52.—Cookson.

5a. **C. × Chapmanii** (× *Ruby* × *Veitchii*), *G.C.* 1905, i. 61; *O.R.* 1905, 52; *G.M.* 1905, 87, f.—Cookson.

6. **C. × Darblayana** (p. 50).

C. × Bryan, *Gard.* 1906, i. 172, f.

9. **CATTLEYA** (p. 51).

1a. **C. × Adolphinæ** (*amethystoglossa* × *Gaskelliana*), *Rev. H. Belge*, 1906, 21; *Dict. Ic. O. Cat. hyb.* t. 36.—Peeters, 1903.

2a. **C. × Adrienne** (*maxima* × *Warscewiczii*).—Wavrin, 1906.

C. × *Adrienne de Wavrin*, *G.C.* 1906, ii. Nov. 10, Suppl. 4; *O.R.* 1906, 364.—Wavrin.

\* 2b. **C. × Adula** (*bicolor* × *Hardyana*), *G.C.* 1905, ii. 254; *O.R.* 1905, 308.—Charlesworth.

3a. **C. × Alfredi** (*granulosa* × *Trianae*).—Fowler, 1904.

C. × *Alfred Fowler*, *G.C.* 1904, i. 302; *O.R.* 1904, 171.—Fowler.

3b. **C. × Aliciæ** (× *Iris* × *labiata*).—Goodson, 1907.

C. × *Aliciæ*, *G.C.* 1907, ii. 318; *O.R.* 1907, 363.—Goodson.

3c. **C. × amabilis** (*labiata* × *Warscewiczii*), *G.C.* 1904, ii. 293; *O.R.* 1904, 339.—Sander, 1904.

4a. **C. × Appletoni** (*Dowiana* × *elongata* ♀), *O.R.* 1905, 350.—Appleton, 1905.

C. × (unnamed), *ŷ. S. H. Fr.* 1905, 477.—Maron.

C. × *Appletonæ*, *G.C.* 1906, ii. 234; *O.R.* 1906, 310.—Appleton.

• 6a. **C. × Armstrongiæ** (× *Hardyana* × *Loddigesii*), *G.C.* 1907, ii. 190; *O.R.* 1907, 307.—Armstrong & Brown, 1907.

C. × *Castræana*, *G.C.* 1907, ii. 221; *O.R.* 1907, 309.—Sander.

12. **C. × Aurora** (p. 52); *O.R.* 1905, 350.—Appleton.

• 16a. **C. × bellatula** (*Iris* × *Warscewiczii*), *G.C.* 1906, ii. 265; *O.R.* 1906, 340.—Sander, 1906.

17a. **C. × Bertii** (*Harrisoniana* × *labiata*).—Bert, 1904.

C. × (unnamed) *ŷ. S. H. Fr.* 1904, 595.—Bert.

21. **C. × Browniæ** (p. 53); *O.R.* 1906, 345, f. 45.

23a. **C. × Caduceus** (*Gaskelliana* × *granulosa*), *G.C.* 1905, ii. 115; *O.R.* 1905, 275.—Charlesworth.

C. × *Thalia*, *Rev. H. Belge*, 1906, 219.—Hye.

25a. **C. × Carmen** (Luëddemanniana × Warscewiczii), *G.C.* 1905, ii. 74 ; *O.R.* 1905, 247.—Veitch.

25b. **C. × Casca** (Gaskelliana × velutina), *G.C.* 1904, ii. 230 ; *O.R.* 1904, 309.—Veitch.

31. **C. × Chloris** (p. 53).

**C. × schonbrunnensis**, *G.C.* 1907, ii. 170 ; *O.R.* 1907, 318.—Emperor of Austria.

36. **C. × Claudian** (p. 54).

**C. × Nestor**, *O.R.* 1905, 245.—Charlesworth.

37a. **C. × Cleopatra** (Dowiana × superba), *G.C.* 1906, ii. 357 ; *O.R.* 1907, 349.—Charlesworth, 1906.

**C. × Leda**, *G.C.* 1906, ii. 234, Nov. 10, *Suppl.* 4 ; *O.R.* 1906, 311, 363, 374.—Charlesworth.

38. **C. × Clymene** (p. 54).

**C. × Ethel**, *G.C.* 1905, ii. 254 ; *O.R.* 1905, 308.—Marriott.

**C. × Capartiana**, *G.C.* 1906, ii. 234 ; *O.R.* 1906, 312.—Schuster.

40a. **C. × Cooksoni** (× Hardyana × Trianæ).—Cookson, 1906.

**C. × Chapmanii**, *G.C.* 1906, i. 30 ; *O.R.* 1906, 51.—Cookson.

42a. **C. × Cypheri** (× Hardyana × Harrisoniana).—Cypher, 1907.

**C. × (unnamed)**, *O.R.* 1907, 366.—Cypher.

44. **C. × Daphne** (p. 54).

**C. × Pittiæ**, *G.C.* 1905, i. 333 ; *O.R.* 1905, 171 ; *G.M.* 1905, 515, 517, f. —Pitt.

**C. × Lucieniana**, *O.R.* 1906, 251, 344 ; *Rep. R. H. S. Genet. Conf.* 226, 239.

It is now suspected that **C. × Daphne** may have the same parentage as the earlier **C. × Lucieniana**, *Rchb. f.* (p. 61), but the materials which would clear the matter up are wanting.

44a. **C. × Davisii** (× Hardyana × velutina), *G.C.* 1906, ii. 224 ; 1907, ii. 190 ; *O.R.* 1907, 307, 342.—(Sander) Fowler, 1906.

47a. **C. × Dupreana** (Warneri × Warscewiczii), *Chron. O.* ii. 75.—Lambeau, 1906.

52a. **C. × Ethelreda** (Dowiana × O'Brieniana), *G.C.* 1907, ii. 190 ; *O.R.* 1907, 307.—Sander, 1907.

53. **C. × Eurydice** (p. 55).

**C. × Vincius**, *f. S. H. Fr.* 1904, 23.—Doin.

53a. **C. × Evadne** (Percivaliana × Schilleriana).—Armstrong & Brown, 1907.

**C. × (unnamed)**, *O.R.* 1907, 308.—Armstrong & Brown.

55. **C. × Fabia** (p. 55) ; *Dict. Ic. O. Cat. hyb.* t. 24a (v. Mary de Wavrin).

57. **C. × Faerie-Queene** (p. 55).

**C. × Goodsonæ**, *Gard.* 1904, i. 440.—Tracy.

57a. **C. × Fallieri** (Rex × Trianæ), *G.C.* 1906, ii. 234 ; *O.R.* 1906, 312.—Schuster, 1906.

57b. **C. × Farquharsoniana** (bicolor × Iris), *G.C.* 1906, ii. 201 ; *O.R.* 1906, 309, 316.—Colman, 1906.

61. **C. × Firebrand** (p. 61).

- C. × Herodia, *ŷ. S. H. Fr.* 1903, 105.—Maron.
62. **C.** × **Firefly** (p. 55).
- C. × Gem, *O.R.* 1906, 29.—Chamberlain.
67. **C.** × **fulvescens** (p. 56); *G.M.* 1907, 802, **f.** (Westonbirt var.); *ŷ. H.* 1907, ii. 505, **f.** (id.).
80. **C.** × **Harrisiae** (p. 58).
- C. × Pétrone, *ŷ. S. H. Fr.* 1904, 27.—Doin.
- C. × Miss Harris, *ŷ.H.* 1907, ii. 243, **f.**
- 81a. **C.** × **Heathii** (Harrisoniana × Walkeriana).—Heath, 1907.
- C. × (unnamed), *G.C.* 1907, i. 30; *O.R.* 1907, 51.—Heath.
- 82a. **C.** × **Hester** (Harrisoniana ♀ × maxima), *O.R.* 1904, 92.—(Charlesworth) Craven, 1904.
83. **C.** × **highburiensis** (p. 59).
- C. × Lord Nelson, *G.C.* 1905, ii. 316; *O.R.* 1905, 339.—Fowler.
- 83a. **C.** × **Hopkinsii** (Bowringiana × granulosa).—Wellesley, 1906.
- C. × Mrs. Frederick Knollys, *G.C.* 1906, ii. 265; *O.R.* 1906, 339, 340; 1907, 308.—Wellesley.
- 84a. **C.** × **Hyeæ** (Gaskelliana × Mossiæ ♀).—Hye, 1906.
- C. × Suzanne Hye de Crom, *Rev. H. Belge*, 1906, 72.—Hye.
- A beautiful albino, raised from albino forms of the two parents.
85. **C.** × **Imperator** (p. 59).
- C. × Madame Galpin, *ŷ. S. H. Fr.* 1906, 672.—Lesueur.
90. **C.** × **Iris** (p. 59); *G.M.* 1907, 653, **f.** (v. His Majesty); *Gard.* 1907, ii. 481, **f.** (id.).
- C. × La France, *Rev. H. Belge*, 1905, 271.—Beranek.
- \*97a. **C.** × **Knollysiæ** (× Hardyana × Mossiæ).—Wellesley, 1906.
- C. × (unnamed), *G.C.* 1906, i. 191.—Wellesley.
- C. × Mrs. Frederick Knollys, *O.R.* 1906, 110.—Wellesley.
- 97b. **C.** × **Lambeau** (Dormaniana × labiata).—Lambeau, 1906.
- Laeliocattleya* × (unnamed), *Rev. H. Belge*, 1906, 23.—Lambeau.
- 98a. **C.** × **Lawreglossa** (amethystoglossa ♀ × Lawrenceana), *O.R.* 1905, 119; 1907, 102.—Chamberlain.
- 99a. **C.** × **Law-Schofieldii** (labiata × Rothschildiana).—Sander, 1904.
- C. × G. W. Law-Schofield, *G.C.* 1904, ii. 324; *O.R.* 1904, 364.—Sander.
- 101a. **C.** × **Lesueuri** (labiata × velutina ♀).—Lesueur, 1906.
- C. × velutino labiata, *ŷ. S. H. Fr.* 1906, 672.—Lesueur.
- 104a. C. × **Loubetii** (Dowiana × flavescens).—Maron, 1905.
- C. × President Loubet, *Rev. H. Belge*, 1905, 271; *ŷ. S. H. Fr.* 1906, 35, 160.—Maron.
- 104b. **C.** × **Lucida** (Bowringiana × Schilleriana), *Dict. Ic. O. Cat. hyb.* t. 37.—Peeters, 1903.
- C. × Bowringiano-Schilleriana, *G.C.* 1905, ii. 269; *O. R.* 1905, 343.—Lambeau.
- Laeliocattleya* × Saxa, *O.R.* 1906, 252.—Grogan.

**C.** × **Saxa**, *O.R.* 1906, 287.

107. **C.** × **Mackayi** (p. 61).

\* **C.** × **Dusseldorfii**, *ŷ. S. H. Fr.* 1904, 564; *G.C.* 1906, ii. 414 (v. *Undine*); *ŷ.H.* 1907, i. 3, f. (id.); *O.R.* 1906, 19.—Maron.

107a. **C.** × **Madouxiaë** (*Aclandiaë* × *Gaskelliana*).—Mme. Madoux, 1905.

**C.** × (unnamed), *G.C.* 1905, ii. 269; *O.R.* 1905, 344; *Rev. H. Belge*, 1905, 239.—Madame Madoux, 1905.

112. **C.** × **Maronæ** (p. 62).

**C.** × **Marguerite Maron**, *ŷ. S. H. Fr.* 1906, 753.—Maron.

116a. **C.** × **McMastersiaë** (*Mendelii* × *Schilleriana*), *G.C.* 1906, ii. 265; *O.R.* 1906, 339.—Colman, 1906.

116b. **C.** × **Meadii** (*Bowringiana* × *Forbesii*).—Mead, 1904.

**C.** × (unnamed), *O.R.* 1904, 72.—Mead.

118a. **C.** × **Milano** (*Dowiana* × *Frasquita*), *ŷ. S. H. Fr.* 1907, 546.—Maron, 1907.

120a. **C.** × **Minnie** (*granulosa* × *Lueddemanniana*), *G.C.* 1907, ii. 116; *O.R.* 1907, 275.—Wellesley, 1907.

121. **C.** × **Minucia** (p. 64); *Gart. Welt.* 1906, 199, f.

126a. **C.** × **Peetersiaë** (*Gaskelliana* ♀ × *Warneri*).—Peeters, 1904.

**C.** × Mrs. Myra Peeters, *G.C.* 1904, June 4, suppl. 1; *O.R.* 1904, 181.—(Peeters) Sander.

**C.** × Madame Myra Peeters, *O.R.* 1904, 229.—Peeters.

A beautiful albino, raised from the albino forms of the parent species.

127a. **C.** × **Neptune** (*labiata* × *Schilleriana*), *G.C.* 1904, ii. 323; *O.R.* 1904, 364.—Sander, 1904.

128a. **C.** × **Nyæ** (*Gaskelliana* ♀ × *Gratrixiaë*)—Nye, 1904.

**C.** × Mrs. Kate Nye, *G.C.* 1904, ii. 267.—Nye.

129a. **C.** × **oakwoodiensis** (*Mendelii* × *Murrayi*), *G.C.* 1904, i. 301; *O.R.* 1904, 170.—Cookson, 1904.

130. **C.** × **Octavia** (p. 64).

\* **C.** × **Octave Doin**, *ŷ.H.* 1906, i. 201, f.; *G.M.* 1906, 724, 725, f. (Herbert Goodson's var.).

131a. **C.** × **Olenus** (*Aclandiaë* × *Harrisoniana*).—Doin, 1904.

**C.** × (unnamed), *ŷ. S. H. Fr.* 1904, 595.—Doin.

133a. **C.** × **Oviedo** (*maxima* × *Schilleriana*).—Mead, 1904.

**C.** × (unnamed), *O.R.* 1904, 72.—Mead.

140. **C.** × **Peetersii** (p. 65); *G.M.* 1905, 791, 792, f. (v. Mrs. Francis Wellesley).

142. **C.** × **Pittiaë** (p. 65).

**C.** × **Kitty Measures**, *Gard.* 1906, ii. 246.—*R. H. Measures*.

151a. **C.** × **Robertii** (*Schilleriana* × *Schrœderæ*).—Wavrin, 1906.

**C.** × **Robert de Wavrin**, *G.C.* 1906, ii. 298; *O.R.* 1906, 342.—Wavrin.

153a. **C.** × **Rosa** (*amethystoglossa* × *Dowiana*).—Charlesworth, 1904.

**C.** × **Rosa Leemann**, *G.C.* 1904, ii. 293; *O.R.* 1904, 339.—Charlesworth.

156. **C. × rubescens** (p. 67).

*C. × Ariadne*, *G.C.* 1906, ii. 234; *O.R.* 1906, 311.—Low.

158a. **C. × Sapho** (*Dowiana* ♀ × *Loddigesii*), *Rev. H. Belge*, 1904, 23; *Dict. Ic. O. Cat. hyb. t.* 31.—Peeters, 1903.

160a. **C. × Shakersii** (*Aclandia* × *citrina* ♀), *ŷ. S. H. Fr.* 1904, 210.—Fanyau, 1904.

162a. **C. × suavis** (*Schröderæ* × *Skinneri*), *G.C.* 1904, i. 302; *O.R.* 1904, 172.—Sander, 1904.

163a. **C. × Susannæ** (*Skinneri* × *Warneri*), *ŷ. H.* 1905, i. 252.—Orpet, 1905.



Fig. 95. **CATTELEYA × TRIUMPHANS.**

165. **C. × Thayeriana** (p. 68, fig. 11).

*C. × nivea*, *ŷ. S. H. Fr.* 1907, 423.—Lambeau.

166a. **C. × Thurgoodiana** (× *Hardyana* × *Lueddemanniana*), *G.C.* 1904, ii. 82; *O.R.* 1904, 246.—Pitt, 1904.

167a. **C. × triumphans** (*Dowiana* × *Rex*), *G.C.* 1904, ii. 43; *O.R.* 1904, 244; 1905, 264, 305, f. 66 (Maron's var.); *ŷ. S. H. Fr.* 1905, 575, 576, fig. 38 (id.); *Dict. Ic. O. Cat. hyb. t.* 33 (v. Ch. Maron).—Sander, 1904. **See Fig. 95.**

167b. **C.** × **Unique** (*Mendelii* × *Schroederæ*), *G.C.* 1906, i. 286; *O.R.* 1906, 170.—Ingram, 1906.

• 170a. **C.** × **Vulcan** (*Gaskelliana* × *intermedia*), *G.C.* 1905, ii. 118; *O.R.* 1905, 280.—Vincke-Dujardin.

170b. **C.** × **Waldemar** (*Dowiana* × *Whitei*), *G.C.* 1907, ii. 77; *O.R.* 1907 245.—Holford, 1907.

170c. **C.** × **Wavriniaë** (*Loddigesii* ♀ × *Rex*).—Wavrin, 1905.

**C.** × *Marie Henriette de Wavrin*, *G.C.* 1905, ii. 316.—Wavrin.

**C.** × *Mdlle. Marie Henriette de Wavrin*, *Rev. H. Belge*, 1905, 272; *Dict. Ic. O. Cat. hyb.* t. 34.—Wavrin.

172. **C.** × **weedoniensis** (p. 69); *Gart. Welt.* x. 199, f.

176. **C.** × **Whiteleyæ** (p. 69).

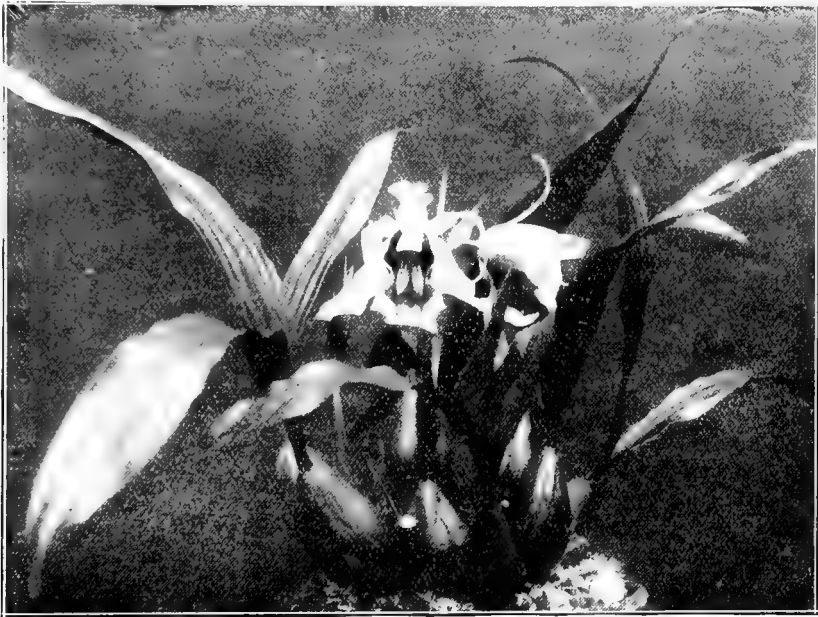


Fig. 96. *CŒLOGYNE* × *COLMANII*.

**C.** × *J. W. Whiteley*, *J.H.* 1906, ii. 451, f. (*Roslyn* var.).

177a. **C.** × **Wildemanii** (*Trianaë* × *velutina*), *G.C.* 1906, ii. 298; *O.R.* 1906, 342.—Wavrin, 1906.

178a. **C.** × **Wincqxiana** (*velutina* × *Warscewiczii*), *Dict. Ic. O. Cat. hyb.* t. 35 (29 in text, by error); *Chron. O.* ii. 72 —Peeters, 1906.

### 10a. *CŒLOGYNE*.

1. **C.** × **Brymeriana** (*asperata* × *Dayana*), *G.C.* 1906, i. 317; *O.R.* 1906, 173.—Brymer, 1906.

2. **C.** × **Colmanii** (*cristata* × *speciosa*), *G.C.* 1907, i. 108, 109, f. 48; *O.R.* 1907, 73, f. 8; 82, 90 (*v. magdeburgensis*).—Colman, 1907. [See Fig. 96.

**11. CYMBIDIUM** (p. 70).

- 2a. **C. × Colmanix** (eburneum × Veitchii), *G.C.* 1906, i. 286; *O.R.* 1906, 170; *G.M.* 1907, 212, f. (Edenside var.).—Colman, 1906.
- 2b. **C. × Cravenianum** (Lowianum × Tracyanum), *G.C.* 1906, ii. 413; *O.R.* 1907, 20.—J. W. Moore, 1906.
- 2c. **C. × heatonense** (eburneum × giganteum).—Charlesworth, 1906.  
**C. × eburneo-giganteum**, *G.C.* 1906, i. 110; *O.R.* 1906, 85.—Charlesworth.
- 2d. **C. × Holfordianum** (eburneum × grandiflorum ♀), *G.C.* 1906, i. 110; *O.R.* 1906, 85; 1907, 83; *G.M.* 1906, 130, f. —Sander, 1906.
8. **C. × Winnianum** (p. 72).  
**C. × Steppeanum**, *Rev. H. Belge*, 1906, 278; *Chron. O.* ii. 74.—De Ceuninck.
9. **C. × Woodhamsianum** (Lowianum × Veitchii), *G.C.* 1907, i. 116; *O.R.* 1907, 116.—Armstrong & Brown, 1907.  
**C. × (unnamed)**, *O.R.* 1907, 252.—Colman.
10. **C. × woodlandense** (Mastersii × Tracyanum), *G.C.* 1904, ii. 293; *O.R.* 1904, 339.—Sander, 1904.

**13. DENDROBIUM** (p. 73).

- 7a. **D. × Ashworthii** (Brymerianum × pulchellum).—E. Ashworth, 1906.  
**D. × Arthur Ashworth**, *G.C.* 1906, ii. 234; *O.R.* 1906, 215, 310.—E. Ashworth.
- 12a. **D. × Blackianum** (Findlayanum × Wiganix), *G.C.* 1904, i. 173; *O.R.* 1904, 104, 114; 1905, 100.—Thwaites, 1904.
- 12b. **D. × Boundii** (Findlayanum × Hildebrandii), *O.R.* 1907, 104.—Colman, 1907.
- 12c. **D. × Brodiei** (× Dominyanum × Wiganix), *G.C.* 1906, i. 110; *O.R.* 1906, 80, 83.—Colman, 1906.
- 16a. **D. × chessingtonense** (aureum × Wiganix), *G.C.* 1905, i. 141; *O.R.* 1905, 78, 101.—Thwaites, 1905.
- 18a. **D. × Cooksoni** (nobile × Wiganix).—Cookson, 1904.  
**D. × nobile-Wiganix**, *G.C.* 1904, i. 174; *O.R.* 1904, 115; 1907, 104.—Cookson.
27. **D. × Ellisii** (p. 77).  
**D. × Wiganianum**, *G.C.* 1906, i. 219, f. 85 (Gatton Park var.).
- 32a. **D. × gattonense** (Curtisii × Findlayanum).—Colman, 1907.  
**D. × (unnamed)**, *O.R.* 1907, 104.—Colman.
- 47a. **D. × Macjap** (Maccarthix × moniliforme), *G.C.* 1904, i. 174; *O.R.* 1904, 115.—Cookson, 1904.
50. **D. × melanodiscus** (p. 79).  
**D. × Haywoodix**, *G.C.* 1905, i. 205; *O.R.* 1905, 117.—Mrs. Haywood.  
**D. × Luna**, *Amer. G.C.* 1906, 106, f.
- 56a. **D. × Myra** (Linawianum × signatum), *G.C.* 1904, i. 205; *O.R.* 1904, 111, 118.—Lawrence, 1904.



- 56b. **D.** × **Nancy** (aureum × Curtisii), *G.C.* 1904, i. 205; *O.R.* 1904, 117, 120—Bilney, 1904.
- 61a. **D.** × **Rallianum** (× Ainsworthii × Hildebrandii), *O.R.* 1905, 158.—Ralli, 1904.
- 68a. **D.** × **Snowflake** (× Cassiope × nobile), *G.C.* 1904, i. 76; *O.R.* 1904, 51, 55.—Colman, 1904.
- 71a. **D.** × **streathamense** (× Ellisii × nobile).—Thwaites, 1907.
- D.** × (unnamed), *O.R.* 1907, 101.—Thwaites.
72. **D.** × **Thompsonianum** (p. 82).
- D.** × Mary McCartney, *ŷ.H.* 1907, i. 340.—Holmes.
81. **D.** × **Wiganix** (p. 83); *O.R.* 1907, 100, 101.

### 13a. DIALÆLIA.

A genus established to contain the hybrids between *Diacrium* and *Lælia*.

- Dialælia** × **Veitchii** (*Diacrium bicornutum* × *Lælia cinnabarina*), *G.C.* 1905, i. 174; *O.R.* 1905, 115.—Veitch, 1905.

### 16. EPICATTLEYA (p. 85).

- 0a. **Epicattleya** × **balarucensis** (*Cattleya labiata* ♀ × *Epidendrum eburneum*), *O.R.* 1907, 90.—Denis, 1907.
- 0b. **E.-c.** × **decipiens** (*C. Warscewiczii* × *E. ciliare*), *ŷ. S. H. Fr.* 1905, 803, —Gaud, 1905.
- 0c. **E.-c.** × **Figaro** (*C. intermedia* × *E. falcatum*), *G.C.* 1906, ii. 234; *O.R.* 1906, 310.—Wellesley, 1906.
- 0d. **E.-c.** × **Lawrencei** (*C. Gaskelliana* ♀ × *Epidendrum Parkinsonianum*).—Lawrence, 1905.
- E.-c.** × **Gaskello-Parkinsoni**, *G.C.* 1905, i. 74; *O.R.* 1905, 115.—Lawrence.
- 0e. **E.-c.** × **Lesueuri** (*C. Skinneri* × *E. nocturnum*).—Lesueur, 1907.
- E.-c.** × (unnamed), *ŷ.S.H.Fr.* 1907, 343.—Lesueur.
- 1a. **E.-c.** × **magdeburgensis** (*C. Gaskelliana* ♀ × *E. vitellinum*), *O.R.* 1905, 375; *Gart. Welt.* x. 200, f.—Wolter, 1905.
7. **E.-c.** × **Wolteri** (*C. Loddigesii* × *E. vitellinum*).—Wolter, 1906.
- E.-c.** × (unnamed), *O.R.* 1906, 318.—Wolter.

### 17. EPIDENDRUM (p. 86).

- 7a: **Epidendrum** × **Cleon** (*pseudepidendrum* × *radicans*), *O.R.* 1906, 149.—Schröder, 1906.
9. **E.** × **dellense** (p. 86).
- E.** × **radico-xanthinum**, *G.C.* 1905, i. 237 (“*radico-xanthina*”); *O.R.* 1905, 146.—Lawrence.
- 12a. **E.** × **gattონense** (× *Boundii* × *xanthinum*).—Colman, 1907.
- E.** × (unnamed), *O.R.* 1907, 251.—Colman.
14. **E.** × **kewense** (p. 86); *O.R.* 1907, 58, 122, 123.

**17a. EPIDIACRIUM.**

A genus established to contain the hybrids between *Diacrium* and *Epidendrum*.

1. **E.-d.** × **Boundii** (*Diacrium bicornutum* × *Epidendrum Ellisii*).—Colman, 1907.  
E.-d. × (unnamed), *G.C.* 1907, i. 272; *O.R.* 1907, 150.—Colman.
2. **E.-d.** × **gatonense** (*D. bicornutum* × *E. radicans* ♀).—Colman, 1905.  
E.-d. × (unnamed), *G.C.* 1905, i. 301; *O.R.* 1905, 170; 1907, 251.—Colman.

**18. EPILÆLIA** (p. 87).

- 1a. **E.-l.** × **bradfordiensis** (*Epidendrum prismatocarpum* × *Lælia tenebrosa*).—Charlesworth, 1906.  
E.-l. × (unnamed), *G.C.* 1906, i. 285; *O.R.* 1906, 170.—Charlesworth.
- 3a. **E.-l.** × **Eva** (*E. aurantiacum* × *L. cinnabarina*), *G.C.* 1907, i. 226; *O.R.* 1907, 147.—Veitch, 1907.
- 3b. **E.-l.** × **Fletcheriana** (*E. atropurpureum* × *L. harpophylla*), *G.C.* 1905, i. 60; *O.R.* 1905, 53.—Sander, 1905.
- 5a. **E.-l.** × **Lauchiana** (*E. atropurpureum* × *L. purpurata*), *G.C.* 1906, i. 285; *O.R.* 1906, 170.—Charlesworth, 1906.
6. **E.-l.** × **Lawrencei** (p. 87).  
E.-l. × *vitell-brosa*, *G.C.* 1905, i. 398; *O.R.* 1905, 210.—Lawrence.
- 6a. **E.-l.** × **longiciliare** (*E. ciliare* × *L. longipes* ♀), *G.C.* 1907, ii. 116; *O.R.* 1907, 275.—Colman, 1907.
- 8a. **E.-l.** × **Thalia** (*E. atropurpureum* × *L. cinnabarina*), *O.R.* 1905, 117.—Charlesworth, 1905.

**20. LÆLIA** (p. 88).

- 1a. **L.** × **Bertii** (*grandiflora* ♀ × *tenebrosa*).—Bert, 1906.  
*L.* × *majalis-tenebrosa*, *ŷ. S. H. Fr.* 1906, 616.—Bert.  
*L.* × (unnamed), *Chron. O.* ii. 76.—Bert.
- 2a. **L.** × **canariensis** (*anceps* × *harpophylla*), *G.C.* 1906, i. 109; *O.R.* 1906, 84.—Ingram, 1906.
- 5a. **L.** × **Daphne** (*Jongheana* × *tenebrosa*), *O.R.* 1906, 253.—Holford, 1906.  
*L.* × (unnamed), *G.C.* 1906, ii. 97; *O.R.* 1906, 247.—Holford.
- 5b. **L.** × **Degeestiana** (*flava* × *Jongheana* ♀), *Rev. H. Belge*, 1904, 191; *G.C.* 1904, ii. 122; 1905, ii. 348; *O.R.* 1905, 364; *Dict. Ic. O. Læl. hyb.* t. 12.—Wavrin.  
*L.* × *La Perle* (*flava* ♀), *ŷ.S.H.Fr.* 1905, 168, 229.—Maron.  
*L.* × *Mary Colman*, *O.R.* 1906, 80.—Colman.
- 5c. **L.** × **Dellacii** (× *juvenilis* × *tenebrosa*)—Marcoz.  
*L.* × *Docteur Marcel Dellac*, *ŷ. S. H. Fr.*, 1907, 405.—Marcoz.
- 13a. **L.** × **Gwennie** (*Cowanii* × *Jongheana* ♀), *G.C.* 1904, i. 142; *O.R.* 1904, 271.—Thwaites, 1904.

The first record erroneously gives *L. Perrinii* as the pollen parent.

- 16a. **L.** × **Ithone** (× *Latona* × *purpurata*).—Veitch, 1907.  
 L.-c. × *Ithone*, *O.R.* 1907, 152.—Veitch.
- 18a. **L.** × **Lawrencei** (*grandiflora* × *purpurata*).—Lawrence, 1907  
**L.** × *Purple May*, *G.C.* 1907, ii. 116; *O.R.* 1907, 274.—Lawrence.
- 19a. **L.** × **Maroni** (*acuminata* ♀ × *anceps*).—Maron, 1904.  
**L.** × *acuminato-anceps*, *f. S. H. Fr.* 1904, 24; *O.R.* 1904, 58.—Maron.
20. **L.** × **Minerva** (p. 91).  
 • **L.** × *Psyche*, *G.C.* 1904, ii. 34.—Charlesworth.
22. **L.** × **Nemesis** (p. 91); *G.C.* 1906, i. 130, 131, f. 51 (*Tring Park* var.).
- 23a. **L.** × **Nora** (*cinnabarina* × *xanthina*), *O.R.* 1906, 252.—Clark, 1906.
- 30a. **L.** × **Sidneana** (*cinnabarina* × *Jongheana*), *G.C.* 1907, ii. 230; *O.R.* 1907, 315.—Tracy.  
**L.** × (unnamed), *G.C.* 1907, i. 30; *O.R.* 1907, 50.—Potter.
- 32a. **L.** × **Statheræ** (*flava* × *purpurata*), *G.C.* 1907, i. 226; *O.R.* 1907, 147.  
 —Stather Hunt, 1907.

## 21. LÆLIO-CATTLEYA (p. 93).

- 2a. **L.-c.** × **Adelina** (*Cattleya Percivaliana* × *Lælia harpophylla*), *G.C.* 1907, i. 195; *O.R.* 1907, 117.—Lucas, 1907.
- 3a. **L.-c.** × **Ægina** (*C.* × *Hardyana* × *L. Perrinii*), *G.C.* 1904, ii. 355.  
*O.R.* 1904, 367.—Veitch, 1904.
- 6a. **L.-c.** × **Alcyore** (*C. Schilleriana* × *L. flava*), *G.C.* 1904, ii. 293; 1905 ii. 254; *O.R.* 1904, 339; 1905, 309; 1906, 278.—Charlesworth, 1904.
- 6b. **L.-c.** × **Alexanderi** (*C. granulosa* × *L.-c.* × *elegans*), *O.R.* 1905, 317.  
 —Sander, 1905.  
**L.-c.** × (unnamed), *O.R.* 1905, 212.—Sander.
- 7a. **L.-c.** × **Alpha** (*C. Schroederæ* × *L.-c.* × *Ernesti*).—Cookson, 1905.  
**L.-c.** × *Oakwood Alpha*, *G.C.* 1905, i. 107; *O.R.* 1905, 75.—Cookson.  
**L.-c.** × *Oakwood Delta*, *G.C.* 1905, i. 107; *O.R.* 1905, 75.—Cookson.
- 7b. **L.-c.** × **Amarylloso** (*C. Harrisoniana* × *L. flava*), *Rev. H. Belge*, 1905, 277.—Pauwels, 1905.  
**L.-c.** × (unnamed), *G.C.* 1905, ii. 414.—Pauwels.
8. **L.-c.** × **Amazone** (p. 93).  
**L.-c.** × *Williamsoni*, *Gard.* 1904, ii. 53.—Sander.
- \* 12a. **L.-c.** × **Andromeda** (*C. Dowiana* × *L. flava* ♀), *G.C.* 1904, i. 30; *O.R.* 1904, 50; 1905, 89; *Gard.* 1907, ii. 323, suppl. pl.—Charlesworth, 1904.
15. **L.-c.** × **Aphrodite** (p. 94).  
*Cattleya* × *Regnieri*, *G.C.* 1905, i. 334.—Regnier.
- 15a. **L.-c.** × **Arethusa** (*C.* × *Harrisoniana* × *L.-c.* × *exoniensis*), *G.C.* 1907, ii. 153; *O.R.* 1907, 276.—Holford, 1907.
- 15b. **L.-c.** × **Ariel** (*C. Dowiana* × *L. Cowanii*), *G.C.* 1907, i. 61; *O.R.* 1907, 52, 62.—Holford, 1907.
- 17. **L.-c.** × **Astoriæ** (p. 95).  
**L.-c.** × (unnamed), *Wein. Ill. Gartenz.* 1905, 265, t. 3.

- 19a. **L.-c.** × **Aureole** (C. × Iris × L.-c. × Truffautiana), *G.C.* 1907, ii, 285 ; *O.R.* 1907, 343.—Charlesworth, 1907.
22. **L.-c.** × **Ballii** (p. 95).  
L.-c. × M. Seguin, *ŷ. S. H. Fr.* 1905, 213.—Seguin.
- 22a. **L.-c.** × **Barbarossa** (C. Trianæ × L.-c. × callistoglossa), *G.C.* 1907, ii, 380 ; *O.R.* 1907, 373 —Holford, 1907.
- 22b. **L.-c.** × **Beauclerkiaë** (C. Trianæ × L.-c. × Ingramii).—Wellesley, 1906.  
L.-c. × Mrs. de Vere Beauclerk, *G.C.* 1906, ii, 201 ; *O.R.*, 1906, 309: *ŷ H.* 1906, ii, 291, f —Wellesley, 1906.
27. **L.-c.** × **Bertha** (p. 96).  
L.-c. × Rocksand, *O.R.* 1904, 158.—Miller.
- 27a. **L.-c.** × **Beta** (C. × Rothschildiana × L.-c. × callistoglossa).—Cookson, 1905.  
L.-c. × Oakwood Beta, *G.C.* 1905, i, 107 ; *O.R.* 1905, 75.—Cookson.  
The previous records inadvertently give “L.-c.” instead of C. × Rothschildiana as the first parent.
28. **L.-c.** × **Bievreana** (p. 96).  
L.-c. × De Bievreana, *Rev. H. Belge*, 1905, 48.—Praet.
- 30a. **L.-c.** × **Birkbeckii** (C. Mendelii × L.-c. × Greenwoodii).—Wigan, 1905.  
L.-c. × J. F. Birkbeck, *O.R.* 1905, 178.—Wigan.
31. **L.-c.** × **bletchleyensis** (p. 96) ; *G.C.* 1904, i, 88, suppl. f. (v. Ruby King) ; *Gtfl.* 1906, 505, t. 1555.
- 31a. **L.-c.** × **Blountiaë** (C. Gaskelliana × L.-c. × Schilleriana).—Wellesley, 1907.  
L.-c. × Mrs. Gilbert Blount, *G.C.* 1907, ii, 116 ; *O.R.* 1907, 275.—Wellesley.
- 33a. **L.-c.** × **Bradeæ** (C. Schröderæ × L.-c. × Aphrodite).—Wellesley, 1905.  
L.-c. × Mrs. Reginald Brade, *G.C.* 1905, ii, 16 ; *O.R.* 1905, 211.—Wellesley.
39. **L.-c.** × **Canhamiana** (p. 97).  
L.-c. × Rex, *Flora & Sylva*, 1904, 264, t.  
L.-c. × Mme. René Oberthür, *ŷ. S. H. Fr.* 1905, 470.—Maron.
- 39a. **L.-c.** × **Capartii** (C. × Hardyana × L. purpurata).—Duchesne, Lanthoine & Co., 1906.  
L.-c. × Dr. Capart, *Rev. H. Belge*, 1906, 95.—Duchesne, Lanthoine & Co.  
L.-c. × George Woodhams, *G.C.* 1907, ii, 153 ; *O.R.* 1907, 278, 341.—Armstrong & Brown.
40. **L.-c.** × **Cappei** (p. 98) ; *ŷ.* . 1904, ii, 452, 453 f. (Charlesworth’s var.).
41. **L.-c.** × **Cassiope** (p. 98).  
L.-c. × Angela, *G.C.* 1904, ii, 355 ; *O.R.* 1904, 366.—Lucas.
- 44a. **L.-c.** × **chardwarensis** (C. dolosa × L. cinnabarina ♀), *G.C.* 1905, ii, 74 ; *O.R.* 1905, 247.—G. F. Moore, 1905.
45. **L.-c.** × **Charlesworthii** (p. 98).

- L.-c. × Ibis Rose, *ŷ. S. H. Fr.* 1904, 661, 662.—Lesueur.
- 45a. **L.-c.** × **chocophylla** (C. quadricolor (chocoensis) × L. harpophylla) *ŷ. S. H. Fr.* 1905, 106.—Beranek, 1905.
47. **L.-c.** × **Cicero** (p. 98).
- L.-c. × Gertrude, *Gard.* 1904, i. 297.—Clarke.
- L.-c. × inter-elegans, *G.C.* 1904, i. 270; *O.R.* 1904, 140.—Mond.
- 57a. **L.-c.** × **Cordelia** (L. Dayana × L.-c. × bella), *G.C.* 1904, ii. 355; *O.R.* 1904, 366.—Lucas, 1904.
- 62a. **L.-c.** × **crispo-Hardyana** (C. × Hardyana × L. crispa ♀), *G.C.* 1905, ii. 254; *O.R.* 1905, 308, 317.—Holford, 1905.
- 65a. **L.-c.** × **Denisii** (C. Lueddemanniana × L. superbiens ♀), *O.R.* 1906, 135.—Denis, 1906.
70. **L.-c.** × **Deweyi** (p. 101).
- L.-c. × Admiral Decocq, *Rev. H. Belge*, 1906, 219.—Hye.
- 71d. **L.-c.** × **Dicksoniæ** (C. Gaskelliana × L.-c. × Wellsiana).—Wellesley, 1906.
- L.-c. × Mrs. W. J. Dickson, *G.C.* 1906, ii. 360; *O.R.* 1906, 366.—Wellesley,
72. **L.-c.** × **Dido** (p. 101).
- L.-c. × Skinnerobarina, *ŷ. S. H. Fr.* 1905, 106.—Beranek.
- 74a. **L.-c.** × **dolstene** (C. dolosa × L. tenebrosa).—Peeters, 1904.
- L.-c. × (unnamed), *ŷ. S. H. Fr.* 1904, 564.—Peeters.
77. **L.-c.** × **Doris** (p. 101).
- L.-c. × (unnamed), *O.R.* 1907, 158, 159.—Clark.
- 77a. **L.-c.** × **Duchess** (C. × Hardyana × L.-c. × Hippolyta ♀).—Sander, 1905.
- L.-c. × The Duchess, *G.C.* 1905, ii. 382; *O.R.* 1905, 367; 1907, 342.—Sander.
- 77b. **L.-c.** × **Dumatii** (L. tenebrosa × L.-c. × elegans).—Marcoz, 1906.
- L.-c. × Ingenieur Paul Dumat, *ŷ. S. H. Fr.* 1906, 752.—Marcoz.
- 77c. **L.-c.** × **Duncanii** (C. × Hardyana × L.-c. × Gottoiana), *G.C.* 1905, ii. 316; *O.R.* 1905, 340.—Lucas, 1905.
- L.-c. × Miss Mary Froude, *O.R.* 1906, 43.—Wellesley.
- 77d. **L.-c.** × **Duquesnei** (L. purpurata × L.-c. × warnhamensis), *O.R.* 1907, 92.—Cappe, 1907.
- 79a. **L.-c.** × **Elba** (C. Warscewiczii × L.-c. × Ingramii), *G.C.* 1907, ii. 77; *O.R.* 1907, 246.—Charlesworth, 1907.
83. **L.-c.** × **Emiliæ** (p. 102).
- L.-c. × Aclandio-purpurata, *ŷ. S. H. Fr.* 1904, 159.—Duval.
84. **L.-c.** × **epicasta** (p. 102); *G. Alb.* 1906, 15, f. (Gatton Park var.); *G.M.* 1907, 804, 824, f. (v. The Premier).
85. **L.-c.** × **Ernesti** (p. 102); *Dict. Ic. O.* L.-c. hyb. t. 32.
90. **L.-c.** × **Eva** (p. 102).
- L.-c. × Endymion, *G.C.* 1905, ii. 254; *O.R.* 1905, 309.—Sander.
93. **L.-c.** × **Fascinator** (p. 103); *ŷ.H.* 1904, ii. 5, f. (v. King Edward); *G.M.* 1907, 231, f. (v. splendens).

L.-c. × *dourdanense*, *ŷ. S. H. Fr.* 1904, 107.—Doin.

95a. **L.-c.** × **Firmin** (C. *Warneri* × L.-c. × *Hippolyta*).—Lambeau, 1907.

L.-c. × *Firmin* Lambeau, *Rev. H. Belge*, 1906, 45; *Trib. H.* 1907, ii. 371, t. 48.

97. **L.-c.** × **Fournieræ** (p. 103); *Dict. Ic. O. L.-c. hyb.* t. 37 (v. *obscura-purpurea*).

L.-c. × *Imperator*, *G.C.* 1904, ii. 309; *O.R.* 1904, 330.—Peeters.

99a. **L.-c.** × **Gamma** (L. *Jongheana* × L.-c. × *Ernesti*).—Cookson, 1905.

L.-c. × *Oakwood Gamma*, *G.C.* 1905, i. 107; *O.R.* 1905, 75.—Cookson.

L.-c. × *Millie*, *O.R.* 1907, 311.—Keeling.

99b. **L.-c.** × **Ganymede** (C. *Schrœderæ* × L. × *Latona*), *G.C.* 1907, i. 290; *O.R.* 1907, 151.—Holford, 1907.

99c. **L.-c.** × **gatttonensis** (C. *Lawrenceana* × L.-c. × *Schilleriana*).—Colman, 1907.

L.-c. × (unnamed), *O.R.* 1907, 251.—Colman.

101. **L.-c.** × **Gemma** (p. 104).

L.-c. × *Schilleriano-xanthina*, *ŷ. S. H. Fr.* 1904, 159.—Duval.

101a. **L.-c.** × **Geoffrey** (C. *Warszewiczii* × L. *longipes* ♀), *G.C.* 1905, ii. 74; 1906, ii. 139; *O.R.* 1905, 247; 1906, 276.—Lucas, 1905.

101b.—**L. c.** × **Georgina** (C. *Dowiana* × L.-c. × *Leeana* ♀), *ŷ. S. H. Fr.* 1905, 659.—Maron, 1905.

102a. **L.-c.** × **Gilberta** (C. × *Mantini* × L.-c. × *Ingramii*).—Wellesley, 1905.

L.-c. × *Miss Gilberta Blount*, *G.C.* 1905, ii. 348; *O.R.* 1905, 364, 373.—Wellesley

Later references (*G.C.* 1906, ii. 98; *O.R.* 1906, 247) give L.-c. × *epicasta* and C. *Dowiana aurea* as the parents, but it is difficult to say which is correct.

103a. **L.-c.** × **Glycera** (C. *Trianae* × L. *rupestris*), *O.R.* 1904, 111.—Young, 1903.

L.-c. × (unnamed), *G.C.* 1904, i. 205; *O.R.* 1904, 118.—Hon. W. Rothschild.

— 103b. **L.-c.** × **Golden-Beauty** (× *Ernesti* × *Greenwoodii*), *G.C.* 1906, ii. Nov. 10, suppl. 4; *O.R.* 1906, 364.—Sander, 1906.

103c. **L.-c.** × **Golden-Belle** (C. *Dowiana* × L.-c. × *Ernesti*).—Holford, 1907.

L.-c. × *Golden Beauty*, *G.C.* 1907, ii. 347; *O.R.* 1907, 364.—Holford.

This should be compared with the preceding, as it is not quite clear whether the two are distinct.

— 103d. **L.-c.** × **Golden-Glory** (C. *Mossia* × L.-c. × *Zephyra*), *G.C.* 1906, i. 348, 349; 1907, i. 352, 353, 357, f. 152; *O.R.* 1906, 181; 1907, 174.—Sander, 1906.

103e. **L.-c.** × **Golden-Oriole** (C. *Dowiana* × L.-c. × *Charlesworthii*), *O.R.* 1907, 373.—Holford, 1907.

103f. **L.-c.** × **Goodsonæ** (C. *Schrœderæ* × L. *Perrinii*), *G.C.* 1905, ii. 381 *O.R.* 1905, 366.—Goodson, 1905.

103g. **L.-c.** × **Goodsoni** (C. *Mendelii* × L.-c. × *Hippolyta*), *G.C.* 1905, i. 332; *O.R.* 1905, 172.—Goodson, 1905.

- 103h. **L.-c.** × **Goodyi** (C. × *Wendlandiana* × L.-c. × *Clive*), *G.C.* 1906, ii. 265; *O.R.* 1906, 339.—Colman, 1906.
- 104a. **L.-c.** × **Gouldiæ** (C. × *intertexta* × L. *tenebrosa*).—Wellesley, 1905. L.-c. × Mrs. Freke-Gould, *G.C.* 1905, ii. 34; *O.R.* 1905, 243.—Wellesley.
105. **L.-c.** × **Greenwoodii** (p. 104).  
L.-c. × Général Voyron, *ŷ. S. H. Fr.* 1904, 565.—(Maron) Peeters.  
L.-c. × Mme. Karthaus, *ŷ. S. H. Fr.* 1904, 565.—Maron.
- 108a. **L.-c.** × **harpo-aurea** (C. *Dowiana* × L. *harpophylla*), *G.C.* 1906, i. 110; *O.R.* 1906, 85.—Charlesworth, 1906.
- 107a. **L.-c.** × **Hardieri** (C. *Warszewiczii* × L. × *juvenilis*).—Cahuzac, 1906.  
L.-c. × Réjane Hardier, *ŷ. S. H. Fr.* 1906, 751.—Cahuzac.
110. **L.-c.** × **Helena** (p. 104); *G.M.* 1906, 514, f. (Westfield var.); *Gard.* IV. 1906, 129, f.
114. **L.-c.** × **Hermione** (p. 105); *G.C.* 1905, ii. 275 (Westfield var.).
- 117a. **L.-c.** × **Hildegard** (C. *Warszewiczii* × L.-c. × *Decia*), *G.C.* 1907, ii. 318; *O.R.* 1907, 362.—Holford, 1907.
118. **L.-c.** × **Hippolyta** (p. 105).  
L.-c. × Phœbe, *Gard.* 1906, ii. 17, f. (Gatton Park var.).
- 120a. **L.-c.** × **Hopkinsii** (L. *tenebrosa* × L.-c. × *Pallas*), *ŷ.H.* 1906, i. 361, f.; *G.C.* 1906, i. 223; *O.R.* 1906, 146.—Wellesley.
- 127a. **L.-c.** × **illustris** (C. *Dowiana* × L. × *Latona*), *O.R.* 1904, 364; *Gard.* 1904, ii. 320; *G.C.* 1906, i. 190.—Charlesworth, 1904.  
*Lælia* × *illustris*, *G.C.* 1904, ii. 324.—Charlesworth.
- 127b. **L.-c.** × **ilsingtonensis** (C. × *Brymeriana* × L. *xanthina*).—Brymer, 1907.  
L.-c. × *Powellii*, *G.C.* 1907, ii. 254; *O.R.* 1907, 341.—Brymer.  
Re-named because of an earlier L.-c. × *Powellii*.
133. **L.-c.** × **Iyernia** (p. 107).  
L.-c. × Prof. Fritz Röber, *G.C.* 1904, ii. 212; *O.R.* 1904, 311; *ŷ. S. H. Fr.* 1904, 564.—Charlesworth.
- 133a. **L.-c.** × **Ixion** (C. *Lueddemanniana* × L.-c. × *Myra*).—Maron, 1905. L.-c. × (unnamed), *ŷ. S. H. Fr.* 1905, 477.—Maron.
- 133b. **L.-c.** × **Jason** (C. × *Hardyana* × L. × *Latona*), *O.R.* 1907, 316.—Jessop, 1906.
- 136a. **L.-c.** × **Kelpie** (C. *Dowiana* × L.-c. × *Cranstounæ*), *G.C.* 1906, ii. Nov. 10, Suppl. 4.—Wellesley, 1906.
- 136b. **L.-c.** × **Kitcheneri** (C. *Schilleriana* × L.-c. × *elegans*).—Sander, 1904.  
L.-c. × Lord Kitchener, *O.R.* 1904, 181.—Sander.  
L.-c. × Admiral Togo, *G.C.* 1904, ii. 156; *O.R.* 1904, 270.—Ingram.
- 137a. **L.-c.** × **Kronprinz** (C. × *flavescens* × L.-c. × *Fournieri*).—Maron, 1904.  
L.-c. × Kronprinz Frederick Wilhelm, *G.C.* 1904, i. 296.—Maron.

- L.-c. × Kronprinz Wilhelm, *ŷ. S. H. Fr.* 1904, 465 ; 1906, 113.—Maron.
- 139a. **L.-c.** × **Lambeau** (C. dolosa × L.-c. × elegans).—Lambeau, 1905.
- L.-c. × (unnamed), *Rev. H. Belge*, 1905, 212.
- 139b. **L.-c.** × **Laura** (× elegans × Martinetii).—R. H. Measures, 1904.
- L.-c. × Laura Gilbert, *Gard.* 1904, i, 425.—R. H. Measures.
- 139c. **L.-c.** × **Lawrie** (C. Lawrenceana × L.-c. × warnhamensis), *G.C.* 1907, i, 226 ; *O.R.* 1907, 146.—Lucas, 1907.
- 140a. **L.-c.** × **Leeseæ** (C. × Murrayi × L. tenebrosa).—Wellesley, 1907.
- L.-c. × Miss Leese, *G.C.* 1907, i, 427 ; *O.R.* 1907, 213.—Wellesley.
- 142a. **L.-c.** × **Lesueuri** (C. Schröderæ × L.-c. × Hippolyta).—Lesueur, 1907.
- Cattleya × Fascinator, *ŷ. S. H. Fr.* 1907, 338.—Lesueur.
- 146a. **L.-c.** × **Linnæus** (C. Warneri × L.-c. × Gottoiana).—Lord Rothschild, 1904.
- L.-c. × Charles Linnæus, *G.C.* 1904, ii, 14 ; *O.R.* 1904, 213.—Lord Rothschild.
- 147a. **L.-c.** × **Lucasii** (C. Warszewiczii × L. × Iona), *G.C.* 1906, ii, 139 ; *O.R.* 1906, 276.—Lucas, 1906.
- L.-c. × George Branch, *O.R.* 1906, 320.—Lucas.
148. **L.-c.** × **Lucasiana** (p. 108).
- L.-c. × Fabia, *ŷ. S. H. Fr.* 1906, 778.—Magne.
- 151a. **L.-c.** × **Lusitania** (C. × Iris × L.-c. × Phryne), *G.C.* 1907, ii, 285 ; *O.R.* 1907, 343, 346.—Charlesworth, 1907.
- 151b. **L.-c.** × **Lustre** (C. Lueddemanniana × L.-c. × callistoglossa), *G.C.* 1907, ii, p. 254 ; *O.R.* 1907, 341.—Holford, 1907.
153. **L.-c.** × **Lycidas** (p. 108).
- L.-c. × Isabelle, *ŷ. S. H. Fr.* 1907, 429.—Maron. The parentage was inferred by the raiser.
- 153a. **L.-c.** × **Lydia** (C. Gaskelliana × L. Cowanii ♀), *O.R.* 1904, 30.—Charlesworth, 1903.
154. **L.-c.** × **Mabel** (p. 109).
- L.-c. × Fanyauana, *ŷ. S. H. Fr.* 1905, 229 ; *Rev. H. Belge*, 1905, 118.—Fanyau.
157. **L.-c.** × **Marguerite** (p. 109).
- L.-c. × Mrs. Measures, *Gard.* 1905, i, 280.—R. H. Measures.
158. **L.-c.** × **Marica** (p. 109).
- L.-c. × Proteus, *G.C.* 1905, i, 6.—Veitch.
- 158a. **L.-c.** × **Marnhami** (× Aphrodite × callistoglossa), *G.C.* 1906, i, 158 ; *O.R.* 1906, 108.—Wellesley, 1906.
- 161a. **L.-c.** × **Martiniaæ** (L. grandis ♀ × L.-c. × Ascania).—Maron, 1905.
- L.-c. × Madame Bienvenu Martin, *ŷ. S. H. Fr.* 1905, 324.—Maron.
- 161. **L.-c.** × **Martinetti** (p. 109).
- \* **L.-c.** × **Pommeræ**, *ŷ. S. H. Fr.* 1905, 375.—Beranek.



- \* 163. **L.-c.** × **massiliensis** (p. 109).  
 C. × *massiliensis*, *Dict. Ic. O. Cat. hyb.* t. 21.  
 164a. **L.-c.** × **Mazharata** (L. × Latona × L.-c. × Gottoiana), *ŷ. S. H. Fr.* 1907, 405.—Beranek, 1907.  
 164b. **L.-c.** × **Measuresiæ** (L. *xanthina* × L.-c. × *elegans*).—Sander, 1906.  
 L.-c. × Mrs. Robert Measures, *G.C.* 1906, ii. 169; *O.R.* 1906, 278.—Sander.  
 165. **L.-c.** × **Measuresii** (p. 110).  
 L.-c. × *bellula*, *G.C.* 1906, ii. 234; *O.R.* 1906, 312.—Schuster, 1906.  
 165a. **L.-c.** × **Melina** (L.-c. × Ernesti × L.-c. *Lucasiana*), *ŷ. S. H. Fr.* 1907, 191, 212.—Maron, 1907.  
 165b. **L.-c.** × **Memnon** (C. × Mendelii × L.-c. × *elegans*).—*G.C.* 1907, ii. 318; *O.R.* 1907, 362.—Holford, 1907.  
 166. **L.-c.** × **Mercia** (p. 110).  
 L.-c. × *Mona*, *G.C.* 1904, i. 238; *O.R.* 1904, 139.—Veitch.  
 166a. **L.-c.** × **Merciana** (C. *amethystoglossa* × L. *flava*), *G.C.* 1905, i. 318; *O.R.* 1905, 174.—Lambeau, 1905.  
 169a. **L.-c.** × **Milo** (C. *Mossiæ* × L.-c. × *Hyeana*).—Beranek, 1907.  
 L.-c. × (unnamed), *ŷ. S. H. Fr.* 1907, 337; *Rev. H. Belge*, 1907, 254.—Beranek.  
 \* 170a. **L.-c.** × **Mitchelliæ** (C. *Warscewiczii* × L.-c. × *Martinetii*).—Wellesley, 1906.  
 L.-c. × Mrs. R. A. H. Mitchell, *G.C.* 1906, i. 158; 1907, i. 195; *O.R.* 1906, 108; 1907, 117.—Wellesley.  
 — 172a. **L.-c.** × **Mount-Ophir** (C. *flavescens* × L.-c. × Ernesti), *ŷ. S. H. Fr.* 1906, 113.—Maron, 1906.  
 174. **L.-c.** × **Myra** (p. 110); *G.M.* 1904, 330; f. (*v. pallida*).  
 183a. **L.-c.** × **Olivia** (C. *Schrœderæ* × L. *Jongheana*), *G.C.* 1907, i. 195; *O.R.* 1907, 116.—Holford, 1907.  
 184a. **L.-c.** × **Oracle** (L. *pumila* × L.-c. × *Schilleriana*), *O.R.* 1904, 247.—Sander, 1904.  
 184b. **L.-c.** × **Orestes** (C. *intermedia* × L.-c. × *warnhamensis* ♀), *O.R.* 1904, 271.—Cappe, 1904.  
 184c. **L.-c.** × **Oriens** (C. *Trianæ* × L. *Cowanii*), *G.C.* 1906, i. 110; *O.R.* 1906, 80.—Thwaites, 1906.  
**L.-c.** × **Paradise** (C. *Mendelii* × L. *flava*).—Sander, 1904.  
 L.-c. × Bird of Paradise, *G.C.* 1904, i. 269; *O.R.* 1904, 141.—Sander.  
 187a. **L.-c.** × **Peetersii** (C. *Lawrenceana* × L.-c. × *callistoglossa*).—Peeters, 1907.  
 L.-c. × (unnamed), *Rev. H. Belge*, 1907, 211.—Peeters.  
 188. **L.-c.** × **Percibarina** (p. 111).  
 L.-c. × *Adelina*, *G.C.* 1907, i. 195; *O.R.* 1907, 117.—Lucas.  
 188a. **L.-c.** × **Perrigottoi** (L. *Perrinii* × L.-c. × *Gottoiana*).—R. I. Measures, 1905.  
 L.-c. × (unnamed), *O.R.* 1905, 357.—R. I. Measures.

188b. **L.-c. × Perrilosa** (*C. granulosa* × *L. Perrinii*), *G.C.* 1906, ii. 265; *O.R.* 1906, 338, 350, 375.—*R. I. Measures*, 1905.

*L.-c.* × (unnamed), *O.R.* 1905, 357.—*R. I. Measures*.

188c. **L.-c. × Perseus** (*C.* × *Minerva* × *L.-c.* × *Clive*), *O.R.* 1905, 23; 1906, 29.—*Chamberlain*, 1904.

191. **L.-c. × Phryne** (p. 111); *O.R.* 1906, 339 (*Gatton Park* var.); 1907, 8, f. 2. [See Fig. 97.]

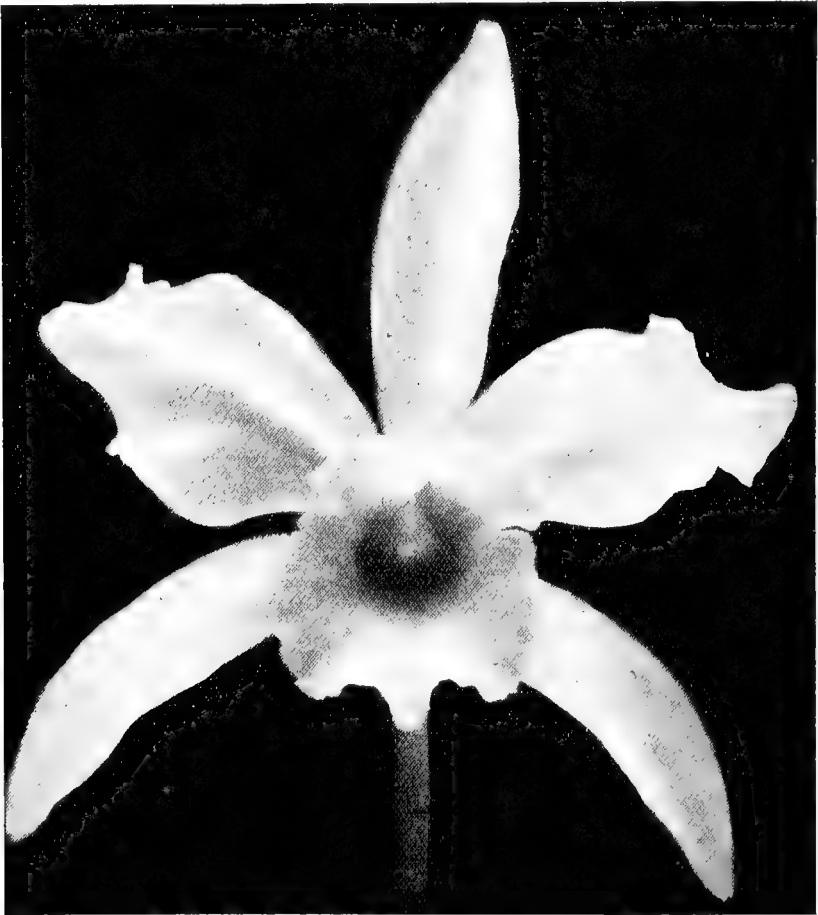


Fig. 97. *LELIOCATTELYA* × *PHRYNE*.

*L.-c.* × *Mademoiselle Hilde Beyrodt*, *f. S. H. Fr.* 1904, 565.—*Maron*,

196a. **L. c. × Priam** (*C. Harrisoniana* × *L.-c.* × *callistoglossa*), *G.C.* 1907, ii. 347; *O.R.* 1907, 364.—*Holford*, 1907.

199a. **L.-c. × Pujeti** (*C. Trianae* ♀ × *L. superbians*), *f. S. H. Fr.* 1904, 105.—*Maron*, 1904.

199b. **L.-c. × Purple-Emperor** (*C. Warscewiczii* × *L.-c.* × *callistoglossa*), *G.C.* 1904, ii. 82; 1905, ii. 218; *O.R.* 1904, 248; 1905, 307.—*Sander*, 1904.

L.-c. × (unnamed), *Rev. H. Belge*, 1907, 211.—Peeters.

L.-c. × *Caligula*, *G.C.* 1907, ii. 77 ; *O.R.* 1907, 245.—Holford.

206a. L.-c. × **ronselensis** (*C. Forbesii* ♀ × *L. cinnabarina*), *G.C.* 1904. ii. 433 ; *O.R.* 1905, 21.—Wavrin, 1904.

L.-c. × (unnamed), *Rev. H. Belge*, 1905, 23.—Wavrin.

210. L.-c. × **Ruby** (p. 113).

L.-c. × *Beyrodtiana*, *ŷ. S. H. Fr.* 1905, 213.—Maron.

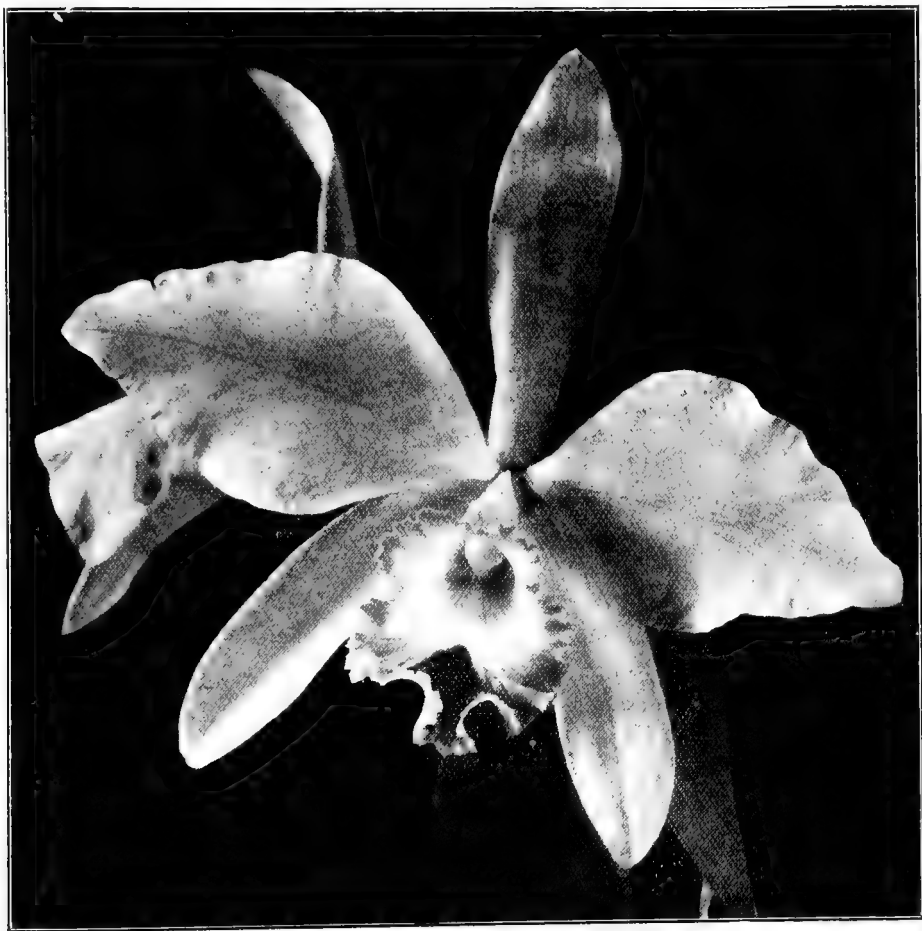


Fig. 98. LÆLIO-CATTELEYA × STATTERIANA.

211a. L.-c. × **Salus** (*C. superba* × *L. crispa* ♀), *O.R.* 1905, 286.—R. Young, 1905.

213a. L.-c. × **Schiffmanii** (*C. Mendelii* × L.-c. × *callistoglossa*).—Sander, 1904.

L.-c. × Dr. R. Schiffman, *G.C.* 1904, i. 76 ; *O.R.* 1904, 53.—Sander.

214a. L.-c. × **Schneideri** (*C. Dowiana* × L.-c. × *Amelia* ♀), *ŷ. S. H. Fr.* 1904, 762 ; 1905, 699 ; *O.R.* 1905, 23, 368 ; *G.C.* 1905, ii. 382.—Cappe, 1904.

215. L.-c. × **Schröderæ** (p. 113).

- L.-c. × Baroness Schröder, *G.M.* 1907, 239, f. (Westonbirt var.).
- \* 216. L.-c. × **Schulzeana** (p. 113). *Rev. H. Belge*, 1905, 190.
- \* L.-c. × Fraulein Lotte Abeken, *Dict. Ic. O. L.-c. hyb.* t. 38.
- 222a. L.-c. × **Sheila** (C. Percivaliana × L. pumila), *G.C.* 1907, i. 161; *O.R.* 1907, 115.—Charlesworth, 1907.
- 222b. L.-c. × **Sirius** (C. Mossiæ × L.-c. × highburiensis).—Lambeau, 1905. L.-c. × (unnamed), *Rev. H. Belge*, 1905, 190.—Lambeau, 1905.
- 222c. L.-c. × **Soulageana** (C. Eldorado × L. Perrinii), *J. S. H. Fr.* 1905, 797.—Ginot, 1905.
223. L.-c. × **Speranskyæ** (p. 114).  
L.-c. × Hurstii, *O. R.* 1906, 221.—E. F. Clark.
224. L.-c. × **Statteriana** (p. 114) ; *O.R.* 1906, 361, f. 46 (v. oculata).  
**[See Fig. 98.]**
- 225a. L.-c. × **stellata** (C. intermedia × L. xanthina), *G.C.* 1907, i. 259; *O.R.* 1907, 149.—Wellesley, 1907.
- \* 227a. L.-c. × **Sunset** (C. Percivaliana × L. Jongheana), *G.C.* 1906, ii. 201; *O.R.* 1906, 308.—Holford, 1906.
- 227b. L.-c. × **Templeana** (C. Lueddemanniana × L.-c. × elegans), *O.R.* 1907, 150.—Lawrence, 1907.
- 227c. L.-c. × **tene-Gottoi** (L. tenebrosa × L.-c. Gottoiana).—R. I. Measures, 1906.  
L.-c. × tene-Gottoi, *G.C.* 1906, ii. 265; *O.R.* 1906, 338, 350.—R. I. Measures.
- 227d. L.-c. × **Tenos** (C. Bowringiana × L.-c. × Nysa), *Gard.* 1904, ii. 320; *O.R.* 1904, 364.—Veitch, 1904.
- 228a. L.-c. × **Thetis** (C. Harrisoniana × L.-c. × Nysa), *O.R.* 1907, 84.—Veitch, 1907.
231. L.-c. × **Topaz** (p. 114).  
L.-c. × cinno-Warneri, *G.C.* 1905, i. 62; *Rev. H. Belge*, 1905, 48.—King of the Belgians.  
L.-c. × cino-Warneri, *Rev. H. Belge*, 1906, 71.—King of the Belgians.
- 234a. L.-c. × **Tunis** (C. Warscewiczii × L. × cinnabrosa), *G.C.* 1905, ii. 218; 1906, ii. 234; *O.R.* 1905, 307; 1906, 310.—Holford, 1905.
- 236a. L.-c. × **Ursula** (L. crispa ♀ × L.-c. × Leeana), *O.R.* 1907, 157.—Clark, 1907.
- 236b. L.-c. × **Veisenpachii** (C. Trianae × L.-c. × warnhamensis), *O.R.* 1907, 92.—Cappe, 1907.
- 238a. L.-c. × **Yeronique** (C. Mendelii × L. × cinnabrosa), *G.C.* 1905, i. 205; *O.R.* 1905, 117; *G.M.* 1906, 355, f.—Charlesworth, 1905.
- 238b. L.-c. × **vesinetensis** (L. flava × L.-c. × Cappei).—Cappe, 1907.  
L.-c. × (unnamed), *O.R.* 1907, 92.—Cappe.
241. L.-c. × **Ynesiæ** (p. 116).  
L.-c. × (unnamed), *Rev. H. Belge*, 1905, 213.—Lambeau.
- 241a. L.-c. × **vivicans** (C. Eldorado × L.-c. × elegans ♀), *O.R.* 1905, 286.—Sander, 1905.

244a. **L.-c.** × **Whiteleggei** (C. × Hardyana × L.-c. × callistoglossa).—Bradshaw, 1906.

▸ L.-c. × G. G. Whitelegge, *G.C.* 1906, ii. 265 ; *O.R.* 1906, 338.—Bradshaw.

246. **L.-c.** × **Wiganixæ** (p. 117) ; *ŷ.H.* 1907, ii. 315, f.

248a. **L.-c.** × **Wellesleyæ** (L. xanthina × L.-c. × callistoglossa).—Wellesley, 1907.

L.-c. × Lady Leese, *G.C.* 1907, ii. 254 ; *O.R.* 1907, 341.—Wellesley.

249. **L.-c.** × **wisetonensis** (p. 117).

L.-c. × W. Balmforth, *G.C.* 1907, ii. 221 ; *O.R.* 1907, 308.—Ogilvie.

249a. **L.-c.** × **Wolteræ** (C. Loddigesii ♀ × L. anceps), *O.R.* 1907, 39, 40, 145, f. 15.—Wolter, 1907. [See Fig. 99.]

249b. **L.-c.** × **woodfordiensis** (L. crispa × L.-c. × Roeblingii), *G.C.* 1906, ii. 201 ; *O.R.* 1906, 308.—Fowler, 1906.

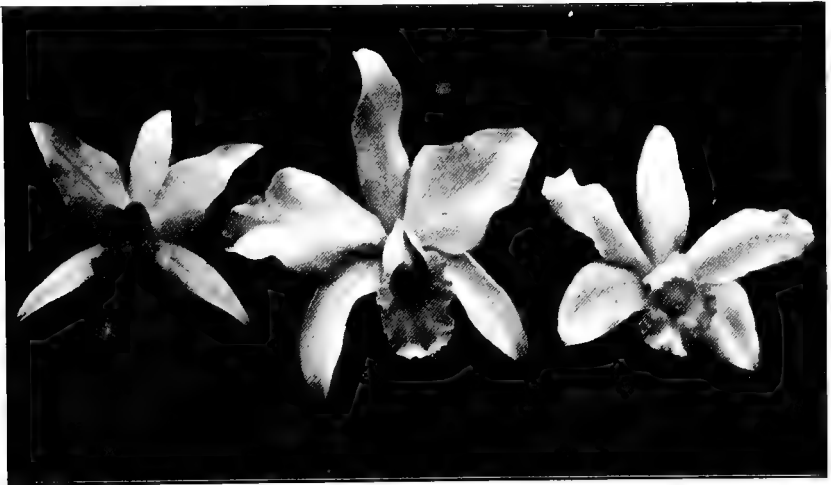


Fig. 99. **LÆLIOCATTELEYA** × **WOLTERÆ** (with its parents).

253. **L.-c.** × **Zixa** (C. Mendelii × L.-c. × bella), *G.C.* 1904, ii. 395 ; *O.R.* 1905, 19.—Veitch, 1904.

254. **L.-c.** × **Zoroaster** (L. × Latona × L.-c. × Canhamiana), *O.R.* 1906, 135.—Holford, 1906.

## 21. **LYCASTE** (p. 119).

1. **Lycaste** × **Ballixæ** (p. 119).

L. × Mary Gratrix, *Flora & Sylva*, 1904, 120, t.

## 23. **MASDEVALLIA** (p. 120).

25. **Masdevallia** × **Kimballiana** (p. 121).

38a. **M. × Veitchio-fragrans** (*fragrans* × *Veitchiana* ♀), *G.C.* 1904, ii. 156; *O.R.* 1904, 270.—*R. I. Measures*, 1904.

#### 24. MILTONIA (p. 123).

1. **Miltonia × Bleuana** (p. 123); *ŷ.H.* 1904, ii. 47, f. (v. *splendens*).

2. **M. × Hyeana** (× *Bleuana* × *vexillaria*), *G.C.* 1906, ii. 139; *O.R.* 1906, 276.—*Hye*, 1906.

#### 24a. ODONTIODA.

A genus established to contain the hybrids between *Cochlioda* and *Odontoglossum*.

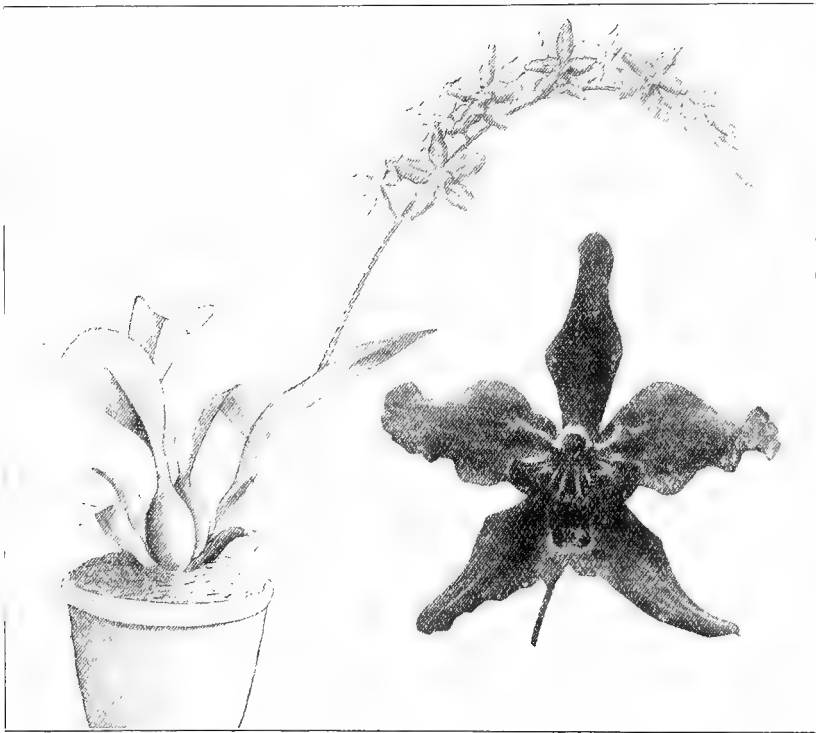


Fig. 100. ODONTIODA × BRADSHAWIÆ.

1. **Odontioda × Bohnhoffiæ** (*Cochlioda vulcanica* × *Odontoglossum cirrhosum*), *G.C.* 1906, ii. 234; *O.R.* 1906, 311.—*Charlesworth*, 1906.

2. **O. × Bradshawiæ** (*C. Noetzliana* ♀ × *O. crispum*), *G.C.* 1907, i. 30, 36, f. 21; *O.R.* 1907, 40, 50, 81, f. 9; *G.M.* 1907, 41, f.; *Gard.* 1907, i. 55, f.; *ŷ.H.* 1907, i. 113, f.—*Charlesworth*, 1907. [See Fig. 100.]

3. **O. × Devossiana** (*C. Noetzliana* × *O. Edwardii*), *G.C.* 1907, ii. 318; *ŷ.H.* 1907, ii. 529, f.; *O.R.* 1907, 363; 1908, 41, f. 6.—*Graire*.

4. **O. × heatonensis** (*C. sanguinea* × *O. cirrhosum*), *G.C.* 1906, i. 158; *O.R.* 1906, 108, 118; *B. M. t.* 8133; *ŷ.H.* 1907, i. 157, f.—*Charlesworth*, 1906.

5. **O.** × **Vuylstekeæ** (*C. Nætzliana* × *O. nobile*), *G.C.* 1904, i. 360, f. 159; June 4, Suppl. 2; 1906, ii. 47, ff. 21, 22; 1907, ii. 63; *O.R.* 1904, 181, 189, 209, f. 34; 1906, 217, f. 26; *G.M.* 1904, 376, f.; *J.H.* 1904, i. 487, f.; *Gard.* 1904, i. 433, f.; *B. M.* t. 7990; *Rep. R.H.S. Conf. Genet.* 264, 272, f. 83; *Rev. H. Belge*, 1907, 169, f. 39, t.—Vuylsteke, 1904. [See Fig. 101.]



Fig. 101. *ONONTIODA* × *VUYLSTEKEÆ*.

## 25. ODONTOGLOSSUM (p. 123).

\* *Oa.* **O.** × **Adrianæ** (*crispum* × *Hunnewellianum*), *G.C.* 1907, i. 108, 161; *O.R.* 1907, 83, 93, 115.—Crawshay, 1907.

Originally figured and described in 1897 (*Lindenia*, xiii. t. 590), when it appeared in Messrs. Linden's establishment as a natural hybrid (though the fact was not stated). See also *O.R.* 1898, 5, 179.

♠ Ob. **O.** × **Albertii** (× armainvillierense × Denisonæ).—Sander, 1907.

O. × Prince Albert, *G.C.* 1907, i, 289; *O.R.* 1907, 172. — Sander.

O. × **laudatum**, *Rev. H. Belge*, 1907, 366.—Vuylsteke.

Oc. **O.** × **Aliceæ** (Edwardii × spectabile), *G.C.* 1907, i, 26, f. 15, 31; *O.R.* 1907, 41, f. 5; 49; *G.M.* 1907, 41, f.—Bull, 1907. [See Fig. 102.

Od. **O.** × **altum** (× armainvillierense × Hallii), *Rev. H. Belge*, 1906, 48; *O.R.* 1906, 241, f. 34 (v. Bellone); 242.—Vuylsteke, 1906.

♠ Oe. **O.** × **amabile** (crispum × spectabile), *G.C.* 1905, June 3, Suppl. 2, f. 143 (v. Ixion); 1905, ii. 414; 1906, i, 254; ii. 152, f. 61 (v. Royal Sovereign); *O.R.* 1905, 182; 1906, 150, 241, f. 35 (v. Goliath); 242; *G.M.* 1905, 367, f. (v. Ixion); *Gard.* 1905, i, 360 f. (id.); *♀. H.* 1905, ii, 3, f. (id.); 1906, i, 491, f. (v. J. Bradshaw); *Rep. R.H.S. Conf. Genet.* 243, f. 56 (v. Ixion); 272, f. 88 (v. Royal Sovereign).—Vuylsteke, 1905.



Fig. 102. ODONTOGLOSSUM × ALICEÆ.

O. × (unnamed), *G.C.* 1905, i, 60; *O.R.* 1905, 54.—Vuylsteke.

O. × Elinor, *O.R.* 1906, 369.—Thompson.

Of. **O.** × **amandum** (× Denisonæ × nobile), *Rev. H. Belge*, 1904, 138; *G.C.* 1904, i, 296; *Sand. O. Hyb.* 36.—Vuylsteke, 1904.

Og. **O.** × **Amneris** (× Crawshayanum × cristatellum ♀), *G.C.* 1907, ii, 178; *O.R.* 1907, 264.—Crawshay, 1907.

1. **O.** × **amœnum** (p. 123).

O. × **concinnum**, *G.C.* 1904, June 4, Suppl. 2; *O.R.* 1904, 181, 201, f. 33. v. **lætum**).—Vuylsteke.

O. × **insignitum**, *G.C.* 1904, June 4, Suppl. 2; *O.R.* 1904, 202.—Vuylsteke.



1a. **O.** × **Amonasro** (× *cristatellum* ♀ × *Harryanum*), *G.C.* 1907, ii. 178; *O.R.* 1907, 264.—Crawshay, 1907.

1b. **O.** × **Ariadne** (*nobile* × *Wattianum*), *G.C.* 1907, ii. 101; *O.R.* 1907, 263.—Crawshay, 1907.

2. **O.** × **armainvillierense** (p. 124); *O.R.* 1907, 155, 241, f. 28 (v. *Robsonæ*).  
 . **O.** × **ardentissimum**, *G.C.* 1904, i. 260, f. 114 (v. *Cooksonæ*); *G.M.* 1905, 285, f. (v. *Sibyl*); *Rep. R.H.S. Conf. Genet.* 244, 246, f. 57; *J.H.* 1907, i. 431, f. (v. *Herbert Goodson*); *Rev. H.* 1907, 231, f. 5 (v. *Esperance*).

2a. **O.** × **ashlandense** (× *Adrianæ* × *Kegeljani*), *G.C.* 1906, i. 349; 1906, ii. 78; *O.R.* 1906, 179, 180, 249.—R. Ashworth, 1906.

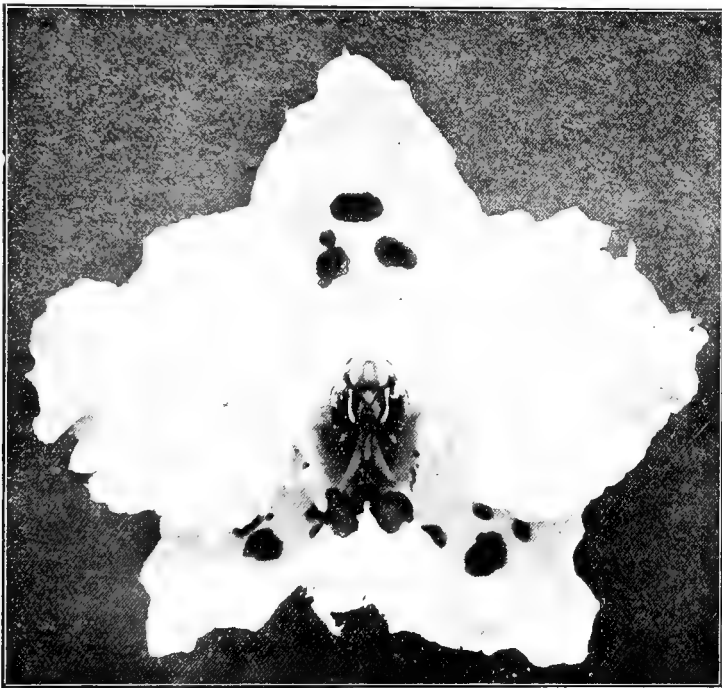


Fig. 103. ODONTOGLOSSUM × BEAUTE-CÆLESTE.

2b. **O.** × **Astarte** (*Harryanum* ♀ × *tripudians*), *G.C.* 1907, ii. 42; *O.R.* 1907, 253.—Crawshay, 1907.

2c. **O.** × **Astræa** (× *Fascinator* × *Wattianum*), *G.C.* 1907, ii. 42, 43; *O.R.* 1907, 254.—Crawshay, 1907.

2d. **O.** × **auriferum** (*crispum* × *Halli-xanthum*), *G.C.* 1907, i. 108; *O.R.* 1907, 85, 90.—Linden, 1907.

3a. **O.** × **Beaute-Cæleste** (× *armainvillierense* × *crispum*), *G.C.* 1907, i. 59, f. 28; *O.R.* 1907, 48, f. 6.—Vuylsteke, 1907.

[See Fig. 103.]

**O.** × *ardentissimum* v. *eximium*, *O.R.* 1906, 240, 241, f. 30.—Vuylsteke.

**O.** × *armainvillierense* var., *O.R.* 1907, 26, 48.—Vuylsteke.

• *O.* × *eximium*, *O.R.* 1907, 209, f. 24 ; 210 (v. King Edward); *Rep. R.H.S. Conf. Genet.* 247, 268.—Vuylsteke.

*O.* × *cœruleum*, *O.R.* 1907, 178, 209, 210, f. 25.—Vuylsteke.

The history of this hybrid has been much confused, owing to the absence of records, and if the above are all forms of one *O.* × *eximium* will be the name to be adopted, a point which was overlooked until Part I. was printed.

4a. *O.* × **Bertii** (× *Adrianæ* × *Rossii*).—Bert, 1907.

*O.* × (unnamed), *J. S. H. Fr.* 1907, 143, 198.—Bert.

4b. *O.* × *blando-nobile* (*blandum* × *nobile*), *G.C.* 1907, ii. 190 ; *O.R.* 1907, 307.—Sander, 1907.

5a. *O.* × **Brandtiae** (*luteopurpureum* × *nobile*), *Rep. R.H.S. Conf. Genet.* 247 ; *O.R.* 1905, 171.—Charlesworth, 1905.

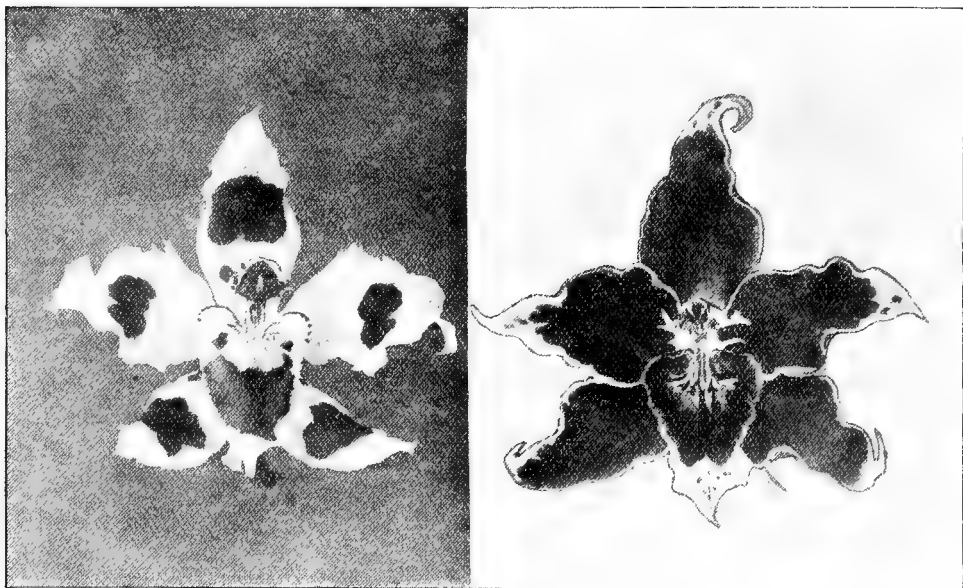


Fig. 104. *O.* × **CRISPODINEL**.      Fig. 105. *O.* × **THOMPSONIANUM**.

5b. *O.* × **caloglossum** (*crispum* × *Vuylstekeæ*), *G.C.* 1907, i. 62, 76, f. 33 ; *O.R.* 1907, 53.—Vuylsteke, 1907.

*O.* × *Ruby*, *G.C.* 1907, i. 62, 76, f. 34 ; *O.R.* 1907, 53.—Vuylsteke.

These two appear to us to be forms of the same hybrid.

5a: *O.* × **Cambria** (× *Rolfæ* × *spectabile*).—Sander, 1907.

*O.* × *Prince Edward of Wales*, *G.C.* 1907, i. 290, 302, f. 124 ; 303 ; *O.R.* 1907, 152, 180, 181.—Sander.

6. *O.* × **Charlesworthii** (p. 125).

*O.* × *Queen Alexandra*, *G.C.* 1906, i. 426 ; ii. 13, f. 7 (v. Carmen) ; *O.R.* 1906, 214 ; *J. H.* 1906, ii. 51, f. (v. Carmen) ; *Rep. R.H.S. Conf. Genet.* 254, f. 68 (id.).  
--Charlesworth.

• *O.* × *Harryano-triumphans*, *O.R.* 1907, 181.—Crawshay.

6a. **O.** × **Cooksonæ** (× *armainvillierense* × *percultum*), *O.R.* 1907, 176.—Sander, 1907.

7. **O.** × **Cooksoni** (p. 125).

**O.** × *Hallio-crispum*, *Rep. R.H.S. Conf. Genet.*, 247, 266, f. 86 (v. *Theodora*).—Crawshay.

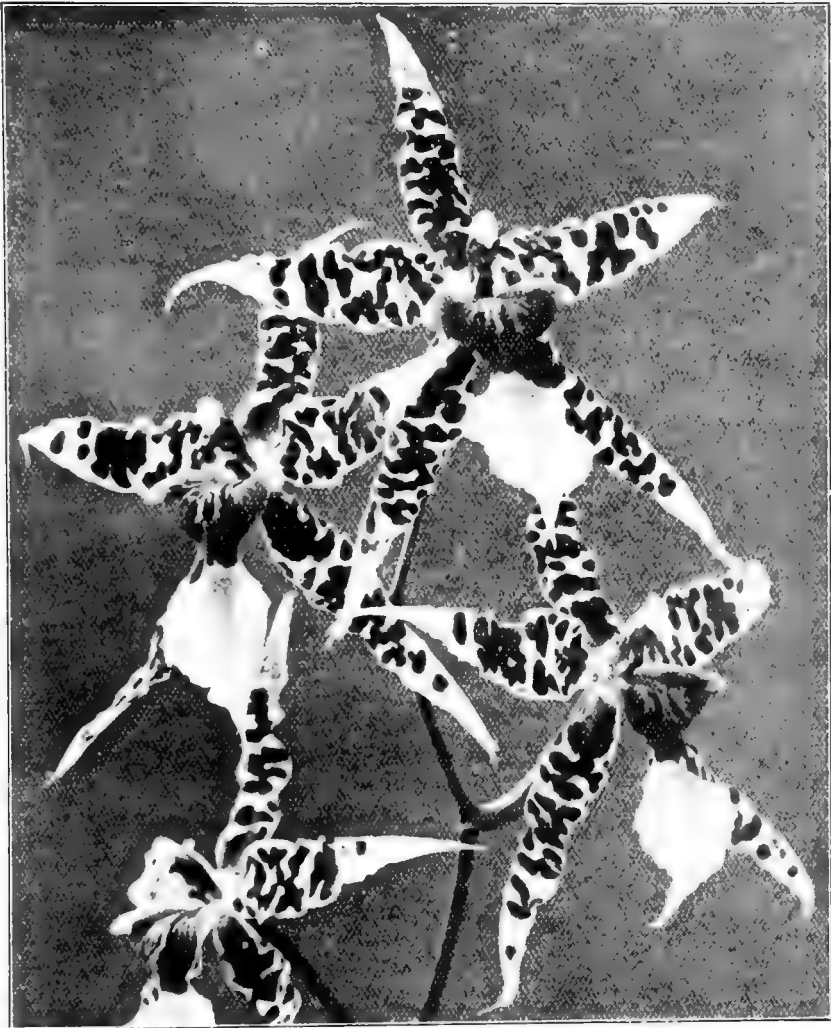


Fig. 106. ODONTOGLOSSUM × EURYDICE.

7a. **O.** × **crispodinei** (× *Coradinei* × *crispum*), *G.C.* 1905, ii. 34; *O.R.* 1905, 241, f. 59; 243, 373, 374; *Rep. R.H.S. Conf. Genet.* 258, 270, f. 72.—Crawshay, 1905. [See Fig. 104.]

9. **O.** × **Denisonæ** (p. 125).

**O.** × *Wilckeanum*, *O.R.* 1906, 241, f. 32 (v. *Thalia*); 242.—Vuylsteke.

9a. **O.** × **Elaine** (cirrhosum × Harryanum), *G.C.* 1906, i. 190; *O.R.* 1906, 111, 118.—Charlesworth, 1906.

10a. **O.** × **Ernesti** (× Adrianæ × triumphans), *O.R.* 1907, 158.—Charlesworth, 1906, Thwaites.

**O.** × Adriano-triumphans, *G.C.* 1906, i. 110; *O.R.* 1906, 85.—Charlesworth.

10b. **O.** × **Euphrosyne** (sceptrum × spectabile), *G.C.* 1906, ii. 239.—Peeters, 1906.

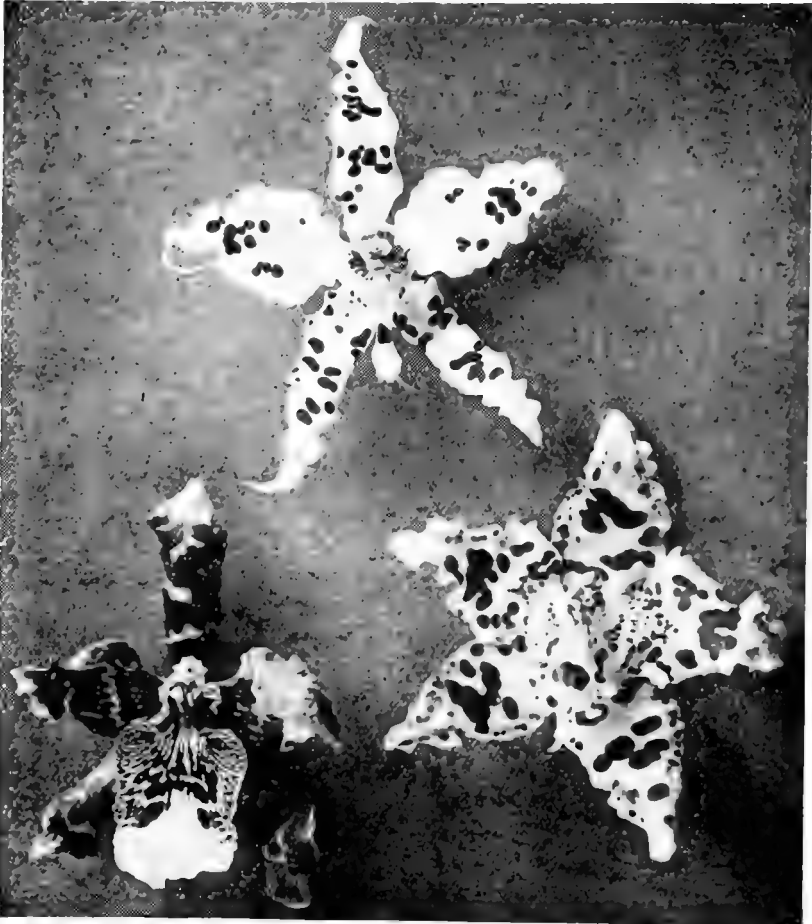


Fig. 107. **ODONTOGLOSSUM** × **PHŒBE**.

Fig. 108. **O.** × **OTHELLO**. Fig. 109. **O.** × **FASCINATOR**.

10c. **O.** × **Eurydice** (cirrhosum ♀ × hastilabium), *G.C.* 1906, ii. 36; *O.R.* 1906, 245, 265, f. 36.—Charlesworth, 1906. [See Fig. 106.]

11a. **O.** × **exultans** (crispum × excellens), *G.C.* 1907, i. 226; *O.R.* 1907, 147.—Bert, 1905, Linden.

**O.** × (unnamed), *f. S. H. Fr.* 1905, 213.—Bert.

11b. **O.** × **Fascinator** (× *Adrianæ* × *crispum*), *O.R.* 1905, 201, f. 43, 202; 1906, 122; *Rep. R.H.S. Conf. Genet.* 252, 269, f. 66.—Peeters, 1905. [See Fig 109.

*O.* × (unnamed), *O.R.* 1905, 174.—Peeters.

*O.* × *Hesperides*, *ŷ S. H. Fr.* 1906, 240.—Boulet.

11c. **O.** × **Fletcherianum** (*cirrhosum* × *Edwardi* ♀), *G.C.* 1906, ii. 98; *O.R.* 1906, 248, 255.—Sander, 1906.

11d. **O.** × **formosum** (*nobile* × *Rolfææ*), *G.C.* 1904, i. 296; *O.R.* 1905, 182, 297, f. 65; 1906, 240, f. 29 (v. *Diana*); 241; *ŷ S. H. Fr.* 1904, 465; *Rep. R.H.S. Conf. Genet.* 246, 247, f. 59.—Vuylsteke, 1904. [See Fig. 110.



Fig. 110. ODONTOGLOSSUM × FORMOSUM.

11e. **O.** × **Fowlerianum** (*cirrhosum* × *Rossii*), *G.C.* 1906, i. 158, 163, f. 65; *O.R.* 1906, 108; *G.M.* 1906, 181, f. ; *Gard.* 1906, i, 173, f. ; *Rep. R.H.S. Conf. Genet.* 247, 248, f. 60.—Sander, 1906.

11f. **O.** × **fuscum** (× *Denisonæ* × *sceptrum*), *G.C.* 1904, i. 296; *Sand. O. Hyb.* 37.—Vuylsteke, 1904.

11g. **O.** × **gandavense** (× *armainvillierense* × *Vuylstekeæ*), *G.C.* 1907, i. 353; *O.R.* 1907, 178, 209, f. 23; *Rev. H. Belge*, 1907, 84 (v. *cœruleum*).—Vuylsteke, 1907.

11h. **O.** × **Gardneri** (*cordatum* × *nobile*).—Gardner, 1902.

*O.* × *Pescatoreo-cordatum*, *Rep. R. H. S. Conf. Genet.* 247, 269.—Gardner.

11i. **O.** × **Gladys** (*cirrhosum* × *spectabile*), *G.C.* 1906, i. 157; *O.R.* 1906, 108.—Charlesworth, 1906.

11k. **O.** × **Hallio-Adrianæ** (× *Adrianæ* × *Hallii*), *G.C.* 1906, i. 110; *O.R.* 1906, 85.—Charlesworth, 1906.

11l. **O.** × **Halli-xanthum** (*Hallii* × *Kegeljani*).—Crawshay, 1906.

**O.** × **Halli-xanthum**, *Rep. R.H.S. Conf. Genet.* 247, 269.—Crawshay.

Originally appeared as a natural hybrid in Messrs. Linden's establishment at Brussels in 1895. See *Lindenia*, x. t. 467.

12a. **O.** × **heatonense** (*Hallii* × *hastilabium*).—Charlesworth, 1907.

**O.** × (unnamed), *G.C.* 1907, ii. 37; *O.R.* 1907, 177, 244.—Charlesworth.



Fig. III. **ODONTOGLOSSUM** × **JAPONAIS** VAR. **EXQUISITUM**.

12b. **O.** × **hellemense** (*crispum* × *harvengetense*), *ŷ. S. H. Fr.* 1905, 324; *O.R.* 1905, 176.—Fanyau, 1905.

**O.** × **Galpinianum**, *ŷ. S. H. Fr.* 1907, 143.—Peeters.

**O.** × (unnamed), *G.C.* 1907, i. 61; *O.R.* 1907, 53.—Sander.

**O.** × **Watsonianum**, *O.R.* 1907, 57.—Linden.

13. **O.** × **Hye anum** (p. 126).

**O.** × **Souvenir de Victor Hye** de Crom, *Rep. R.H.S. Conf. Genet.* 247, 257, f. 71.

13a. **O.** × **Iago** (Harryanum ♀ × Hunnewellianum), *G.C.* 1907, i. 259; *O.R.* 1907, 149, 158.—Crawshay, 1907.

\* 13b. **O.** × **Japonais** (crispum × Rolfeæ), *G.C.* 1904, June 4, Suppl. 2; *O.R.* 1904, 180, 201, f. 32.—Hye, 1904. [See Fig. 111.]

**O.** × (unnamed), *O.R.* 1905, 174.—Peeters.

\* **O.** × **Lambeauianum**, *G.C.* 1905, ii. 324, f. 126; 434, f. 162 (v. exquisitum); *O.R.* 1906, 57, f. 7 (id.); 96; *Dict. Ic. O.* Od. hyb. t. 12; *ŷ.H.* 1906, i. 229, f.; 1907, i. 273, f. (v. The Idol); *G.M.* 1907, 106, f. (id.); *Rep. R.H.S. Conf. Genet.* 247, 249, f. 61.—Peeters.

13c. **O.** × **Jorisianum** (luteopurpureum × triumphans), *G.C.* 1907, i. 226; *O.R.* 1907, 148.—Linden, 1907.

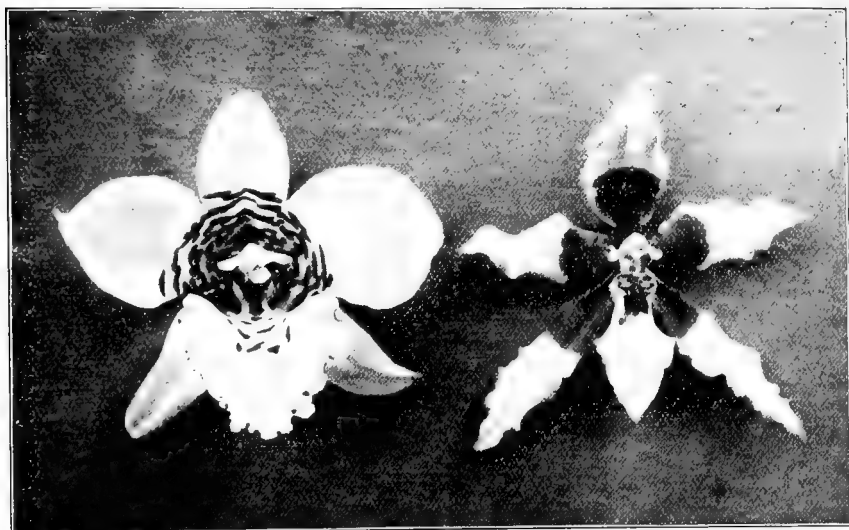


Fig. 112. **ODONTOGLOSSUM** × **LAIRESSEI** (with *O. Cervantesii* parent on left).

14a. **O.** × **Lairessei** (Cervantesii ♀ × Edwardii), *O.R.* 1905, 81, f. 21; *Rev. H. Belge*, 1906, 94; *Rep. R.H.S. Conf. Genet.* 247, 265, f. 85.—Lairesse, 1905.

[See Fig. 112.]

\* 14b. **O.** × **Lambeauia** (Harryanum × sceptrum).—Sander, 1907.

\* **O.** × memoria Lambeauia, *G.C.* 1907, ii. 77; *O.R.* 1907, 247.—Sander.

14c. **O.** × **lapidense** (Hallii × Rolfeæ), *G.C.* 1905, ii. 36; *O.R.* 1905, 213.—Thompson, 1905.

14d. **O.** × **Lawrenceanum** (× Rolfeæ × triumphans), *G.C.* 1905, i. 174, 197, f. 86; June 3, Suppl. 3; *O.R.* 1905, 115, 182; *Gard.* 1905, i. 207, f.; *G.M.* 1905, 366, f. (v. Adonis); *Rep. R.H.S. Conf. Genet.* 247, 250, f. 62.—Vuylsteke, 1905.

14e. **O.** × **Leo** (Hallii × triumphans), *G.C.* 1907, i. 326; *O.R.* 1907, 199.—Crawshay, 1907.

14f. **O.** × **Lobbii** (× amabile × nobile), *G.C.* 1907, i. 109.—Fowler, 1907.

O. × *Cobbiaë*, *O.R.* 1907, 83.—Fowler.

14g. O. × *Lucasianum* (× *crisatellum* × *Hallii*), *G.C.* 1905, i. 333 (v. *heatonense*); *O.R.* 1905, 172 (id.).—Schröder, 1905.

15. O. × *mirificum* (p. 126); *G. World*, 1905, 455, f.

O. × *Annie Louise*, *G.C.* 1904, i. 239; *O.R.* 1904, 142.—Law-Schofield.

16a. O. × *moortbeekiense* (× *Denisonæ* × *harvengtense*).—Linden, 1907.

O. × (unnamed), *O.R.* 1907, 57.—Linden.

16b. O. × *Mossiaë* (× *Denisonæ* × *Kegeljani*), *G.C.* 1907, ii. 3.—Moss, 1907.

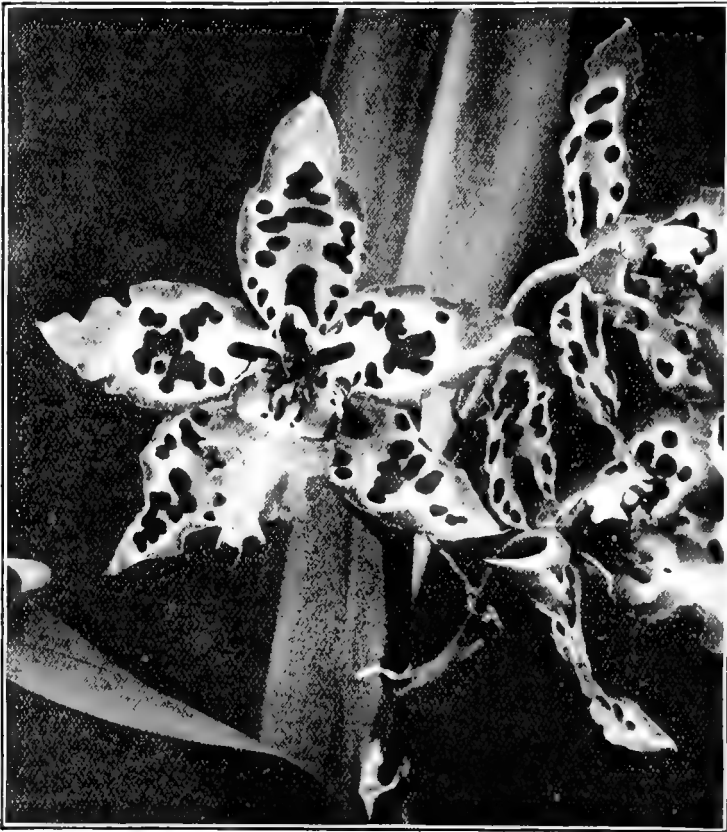


Fig. 113. ODONTOGLOSSUM × SMITHII.

16c. O. × *Nemesis* (× *Coradinei* × *triumphans*), *O.R.* 1907, 199.—Crawshay, 1906.

16d. O. × *Nesta* (× *Andersonianum* × *luteopurpureum*), *Gard.* 1904, i. March 26, *Suppl.* 10.—Bischoffsheim, 1904.

16e. O. × *nitidum* (× *Denisonæ* × *spectabile*), *G.C.* 1904, i. June 4, *Suppl.* 2; *O.R.* 1904, 181, 201, f. 30.—Vuylsteke, 1904

O. × *lactum*, *Rev. H. Belge*, 1906, 48.—Vuylsteke,



16f. **O. × Oberthuri** (× *Adrianae* × *harvengtense*), *ŷ. S. H. Fr.* 1907, 337.—Beranek, 1907.

The above is the recorded parentage, but M. Duval suggests *O. scepterum* as the second parent.

✓ 16g. **O. × Ossultoni** (*nobile* × *spectabile*), *O.R.* 1905, 189; 1907, 171 (*Glebelands* var.); 180; *G.M.* 1906, 419, f.; *G.C.* 1907, i. 323; *Rep. R. H.S. Conf. Genet.* 251, f. 63 (v. W. H. Hatcher).—Charlesworth, 1905.

*O.* × W. H. Hatcher, *G.C.* 1906, i. 254; *O.R.* 1906, 150, 157.—Charlesworth.

✓ 16h. **O. × Othello** (× *Adrianae* × *Harryanum*), *O.R.* 1905, 179, 201, f. 42; 202; 1907, 148; *G.C.* 1907, i. 259; *Rep. R.H.S. Conf. Genet.* 247, 252, f. 65.—Charlesworth, 1905.

[See Fig. 108 (p. 286).



Fig. 114. ODONTOGLOSSUM × STEWARTIANUM.

✓ 16i. **O. × percultum** (× *armainvillierense* × *Rolfeae*), *G.C.* 1904, i. June 4, Suppl. 2; *O.R.* 1904, 181, 202; 1905, 273, f. 63 (v. *Cybele*); 1906, 240, f. 31 (v. *Orion*); 242; *Rev. Hort.* 1907, 231, f. 3; *ŷ.H.* 1906, i. 537, f. (v. *Orion*); *Rep. R.H.S. Conf. Genet.* 247, 253, f. 67.—Vuylsteke, 1904.

✓ 16k. **O. × Phoebe** (*cirrhosum* ♀ × *crispum*), *G.C.* 1905, June 3, Suppl. 2; 1907, i. 355, f. 151 (v. *magnificum*); *O.R.* 1905, 179, 201, f. 41; *Rep. R.H.S. Conf. Genet.* 247, 252, f. 64.—Charlesworth, 1905.

[See Fig. 107 (p. 286).

✓ 17. **O. × Rolfeae** (p. 127); *G.C.* 1904, i. 261, f. 115 (*Oakwood* var.); *Rep. R.H.S. Conf. Genet.* 247, 255, f. 69 (v. *majesticum*); *Rev. H.* 1907, 231, f. 4.

17a. **O.** × **Smithii** (Rossii ♀ × spectabile), *G.C.* 1905, ii. 411, 427, f. 158; 1907, ii. 62, 63; *O.R.* 1906, 9, f. 1; 11; *Gard.* 1905, ii. 400, 401, f.; *G.M.* 1905, 805, f.; *♀.H.* 1905, ii. 541, f.; *G. Alb.* 1906, 12, f.; *Rep. R.H.S. Conf. Genet.* 247, 256, f. 70. [See Fig. 113.]

18. **O.** × **spectabile** (p. 127).

**O.** × **crispo-Harryanum**, *G.C.* 1905, i. 276, f. 114 (v. King Edward); 1907, i. 142, f. 61 (v. F. Sander); *Rep. R.H.S. Conf. Genet.* 245, 247, f. 58 (Rosslyn var.).

**O.** × **Bingelianum**, *G.C.* 1905, ii. 348; *O.R.* 1905, 364; *G.M.* 1908, 69, 70, f. —Schröder.

18a. **O.** × **splendidissimum** (× armainvillierense × nobile), *G.C.* 1907, i. 352; *O.R.* 1907, 176.—Sander, 1907.



Fig. 115. ODONTOGLOSSUM × VUYLSTEKEÆ.

18b. **O.** × **Stella** (sceptrum × triumphans), *O.R.* 1905, 82.—Thompson, 1904.

18c. **O.** × **Stewartianum** (× Andersonianum ♀ × crispum), *O.R.* 1906, 120, f. 14.—Fanyau, 1905. [See Fig. 114.]

**O.** × (unnamed), *♀. S. H. Fr.* 1905, 213.—Fanyau.

**O.** × **Watsonianum**, *Rev. H. Belge*, 1907, 20.—Linden.

18d. **O.** × **Sylvia** (cirrhosum × Rolfeæ), *G.C.* 1907, i. 225; *O.R.* 1907, 147, 154.—Charlesworth, 1907.

18e. **O.** × **Terpsichore** (Kegeljani × nobile), *O.R.* 1906, 146, 221; 1907, 181.—Crawshay, 1906.

18f. **O.** × **Thompsonianum** (crispum × Edwardii ♀), *G.C.* 1905, i. 268, 285, f. 117; *O.R.* 1905, 149, 175, 241, f. 60; *Gard.* 1905, i. 290, f.; *Dict. Ic. O.* Od. hyb. t. 13 (v. M. Osc. Fanyau); *Rep. R.H.S. Conf. Genet.* 247, 258, f. 73.—(Rappart) Thompson, 1905. [See Fig. 105 (p. 284).

18g. **O.** × **tigrinum** (× Fascinator × Harryanum ♀), *O.R.* 1907, 158.—Thwaites, 1907.

18h. **O.** × **Una** (crispum ♀ × nevadense), *G.C.* 1906, ii. 265; *O. R.* 1906, 339, 349.—Crawshay, 1906.

18i. **O.** × **Urania** (crispum ♀ × cristatellum), *G.C.* 1906, ii. 298; 1907, i. 322; *O.R.* 1906, 342, 349; 1907, 170.—Crawshay, 1906.

18k. **O.** × **venustulum** (× armainvillierense × spectabile), *G.C.* 1904, i. June 4, Suppl. 2; 1905, ii. 2, f. 2; *O.R.* 1904, 181, 201, f. 31, 202; 1907, 82 (v. Apollo), 180.—Vuylsteke, 1904.

18l. **O.** × **Yuylstekeæ** (× spectabile × Vuylstekei), *G.C.* 1905, ii. 348; *O.R.* 361, f. 72; *Rep. R. H. S. Conf. Genet.* 247, 259, f. 74.—Vuylsteke, 1905.

This hybrid was omitted from Part I., owing to the absence of any record of parentage. That here given has been inferred, and requires confirmation.

[See Fig. 115.

19. **O.** × **Yuylstekei** (p. 128); *G.C.* 1904, i. 3, f. 3 (v. vivicans); *ŷ. H.* 1904, i, 5, f. (id.); *G.M.* 1904, 59, f. (id.); *Rev. Hort.* 1907, 230, f. 1 (id.); *Rep. R.H.S. Conf. Genet.* 247, 260, f. 75 (id.).

20. **O.** × **waltonense** (pp. 128, 129, f. 44); *O.R.* 1904, 168, f. 27 (v. rosefieldiense); *G.C.* 1904, i. 331, f. 144 (id.); *ŷ.H.* 1904, i. 335, f. (id.)

20a. **O.** × **warnhamense** (Hallii × nobile), *G.C.* 1905, i. 268; *O.R.* 1905, 148, 157.—Lucas, 1905.

**O.** × **Phædra**, *G.C.* 1906, ii. 234; *O.R.* 1906, 311; 1907, 176.—Charlesworth.

21a. **O.** × **Wiganianum** (× harvengtense × Rolfeæ), *G.C.* 1905, i. 237, 274, f. 112; 1906, i. 132; *O.R.* 1905, 146, 157; *ŷ.H.* 1905, i. 333, f.; *Rep. R.H.S. Conf. Genet.* 247.—Wigan, 1905.

## 25a. ODONTONIA.

A genus established to contain the hybrids between *Miltonia* and *Odontoglossum*.

1. **O.** × **culiginosa** (*Miltonia Warscewiczii* × *Odontoglossum nobile*).—Vuylsteke, 1906.

*Odontoglossum* × *culiginosum*, *Rev. H. Belge*, 1906, 189.

2. **O.** × **Ellwoodii** (*Miltonia Roezlii* × *Odontoglossum cirrhosum*), *G.C.* 1907, i. 108; *O.R.* 1907, 84, 90.—Charlesworth, 1907.

3. **O.** × **Lairesseæ** (*Miltonia Warscewiczii* × *Odontoglossum crispum* ♀), *G.C.* 1905, i. 398; ii. 2, f. 1; *O.R.* 1905, 211, 217, f. 47; *G.M.* 1905, 412, f.; *Rev. H. Belge*, 1905, 277.—Lairesse, 1905. [See Fig. 116.

**26. PAPHIOPEDILUM.**

- 9a. **P.** × **Aitchisonæ** (Charlesworthii × Lucie).—Rogerson, 1907.  
 C. × Mrs. Aitchison, *O.R.* 1907, 366.—Rogerson.
18. **P.** × **Allanianum** (p. 130).  
 Cypripedium × Spicero-Curtisii, *G.C.* 1905, ii. 269 ; *O.R.* 1905, 343 ; *Rev. H. Belge*, 1905, 239.—Draps-Dom.
19. **P.** × **allertonense** (p. 130).  
 C. × Tressilian, *Rev. H. Belge*, 1906, 23.—Lambeau.
- 20a. **P.** × **altrinchamense** (× aureum × callosum).—Robson, 1905.  
 C. × (unnamed), *G.C.* 1905, ii. 383 ; *O.R.* 1905, 368.—Robson.
27. **P.** × **Angelizæ** (p. 131).  
 C. × Elvira, *G.C.* 1905, ii. 269 ; *O.R.* 1905, 344.—Stepman de Messemæcker.



Fig. 116. ODONTOGLOSSUM × LAIRESSEÆ.

- 35a. **P.** × **Argo-Youngii** (Argus × Youngianum).—Draps-Dom, 1905.  
 C. × Argo-Youngii, *Rev. H. Belge*, 1905, 239 ; *G.C.* 1905, ii. 269.—Draps-Dom.
54. **P.** × **aureum** (p. 135).  
 C. × Souvenir de Draps, *Rev. H. Belge*, 1905, 72.—Lambeau.  
 C. × La Candeur, *Rev. H. Belge*, 1906, 23.—Makoy.
58. **P.** × **Bala** (p. 136).  
 C. × Valleti, *Jard.* 1905, 104, f. F. ; *J.S.H.F.* 1905, 31.—Cappe.
- 62a. **P.** × **Barclayæ** (Godefroyæ × Rothschildianum).—Fowler, 1905.  
 C. × Daisy Barclay, *G.C.* 1905, ii. 34 ; *O.R.* 1905, 242 ; *G.M.* 1905, 469, f. ; *G. World*, 1905, 975, f.—Fowler.

- 62b. **P.** × **Baron** (× *Hitchinsiae* × *nitens*).—Sander, 1905.  
 C. × *The Baron*, *G.C.* 1905, ii. 382, 405, f. 153; *O.R.* 1905, 367; *Gard.* 1905, ii. 369, f.—Sander.
- 65a. **P.** × **Beauclerkiae** (*ciliolare* ♀ × *Fairrieanum*).—Wellesley, 1905.  
 C. × *Mrs. de Vere Beauclerk*, *G.C.* 1905, ii. 446; *O.R.* 1906, 13, 28.—Wellesley.
- 66a. **P.** × **Bella** (*philippinense* × *vexillarium*), *O.R.* 1905, 70, f. 17.—Wellesley, 1904.  
 C. × *Bella*, *G.C.* 1904, ii. 156; *O.R.* 1904, 270.
- 73a. **P.** × **Black-Prince** (× *Hera* × *Rothschildianum*).—Sander, 1906.  
 C. × *Black-Prince*, *G.C.* 1906, ii. 97; *O.R.* 1906, 248.—Sander.
- 73b. **P.** × **Blanche** (*Charlesworthii* × *Niobe*).—Goodson, 1905.  
 C. × *Lily Blanche*, *G.C.* 1905, ii. 381; *O.R.* 1905, 366.—Goodson.
75. **P.** × **Bollerillæ** (p. 138).  
 C. × *Headlandianum*, *G.C.* 1906, i. 30; *O.R.* 1906, 51.—Headland.
- 78a. **P.** × **bowdonense** (× *nitens* × *triumphans*).—Robson, 1907.  
 C. × *bowdonense*, *O.R.* 1907, 368.
- 79a. **P.** × **Braceyanum** (× *Mabeliæ* × *superbiens*).—Armstrong & Brown, 1907.  
 C. × *Braceyanum*, *G.C.* 1907, ii. 153; *O.R.* 1907, 278.—Armstrong & Brown.
80. **P.** × **Bræckmanii** (p. 139).  
 P. × *Bridge Hall Seedling*, *O.R.* 1907, 93.—Wrigley.
- 81a. **P.** × **Bridgei** (*Argus* × *Godseffianum*).—G. F. Moore, 1906.  
 C. × *Bridgei*, *G.C.* 1906, i. 63; *O.R.* 1906, 53.
- 81b. **P.** × **bridgense** (*Argus* × *Schlesingerianum*).—Wrigley, 1904.  
 P. × (unnamed), *O.R.* 1904, 371.—Wrigley.
- 81c. **P.** × **Brilliant** (× *Buchanianum* × *Calypso*).—Sander, 1904.  
 C. × *Brilliant*, *G.C.* 1904, i. 109; *O.R.* 1904, 83.—Sander.
- 83a. **P.** × **Bruvette** (× *Lathamianum* × *Wottoni*), *O.R.* 1905, 190.—Wrigley, 1905.
89. **P.** × **Bullieri** (p. 140).  
 C. × *Theodore Bullier*, *Lind.* xvii. t. 814.
101. **P.** × **calloso-barbatum** (p. 141).  
 C. × *mirabile*, *G.C.* 1905, i. 31; *O.R.* 1905, 55.—Statter.
115. **P.** × **Celia** (p. 143).  
 C. × *Mme. Jules Hye*, *Rev. H. Belge*, 1905, 97, t. f. 3.
116. **P.** × **Chamber-Leeanum** (p. 143).  
 C. × *Morteni*, *G.M.* 1905, 103, f.; *J.H.* 1904, i. 113, f.  
 P. × *Mariæ*, *O.R.* 1904, 101.
- 116a. **P.** × **Chameleon** (× *chloroneurum* (*Williamsianum*) × *nitens*).—Lucas, 1904.  
 C. × *Chameleon*, *G.C.* 1904, ii. 293; *O.R.* 1904, 339.—Lucas.
117. **P.** × **Chapmanii** (p. 143).

- C. × *Chapmanii*, *Rev. H. Belge*, 1904, 97, t. f. 1.  
 C. × *memoria* Aug. Lemoine, *Rev. H. Belge*, 1904, 70.—Lemoine.  
 118. P. × **Charlesianum** (p. 143).  
 C. × *variabile*, *Jard.* 1905, 104, f. A. (v. *punctatissimum*).—Cappe.  
 C. × *Ami* Treyve, *Jard.* 1905, 104, f. C.  
 C. × *Ed. Deemunter*, *Rev. H. Belge*, 1905, 96.—Lambeau.  
 C. × *The Marchioness*, *G.C.* 1906, i. 29; *O.R.* 1906, 51.—Sander.  
 120. P. × **chloroneurum** (p. 144).  
 C. × *melanophthalmum*, *O.R.* 1905, 349.  
 123a. P. × **claptonense** (*Chamberlainianum* × *ciliolare*).—Low, 1907.  
 C. × (unnamed), *G.C.* 1907, i. 62; *O.R.* 1907, 54.—Low.  
 124a. P. × **Clarkii** (*Charlesworthii* × *Swanianum*).—Clark, 1906.  
 P. × (unnamed), *O.R.* 1906, 348.—Clark.  
 134. P. × **Colesii** (p. 145).  
 C. × *Grace Ruby*, *G.C.* 1905, i. 141; *O.R.* 1905, 78.—McBean.  
 137. P. × **Colossus** (p. 145).  
 C. × *Mahlerianum*, *G.C.* 1904, i. 66 (*Feiling's* var.).  
 143a. P. × **conco-tonsum** (*concolor* × *tonsum*).—R. I. Measures, 1906.  
 C. × *conco-tonsum*, *G.C.* 1906, ii. Nov. 10, *Suppl.* 4.; *O.R.* 1906, 363, 375.  
 —R. I. Measures.  
 149a.—P. × **Cooksoni** (*Druryi* × *Rothschildianum*).—Cookson, 1905.  
 C. × *Drurio-Rothschildianum*, *G.C.* 1905, ii. 218; *O.R.* 1905, 306.—Cookson.  
 153a. P. × **Cravenianum** (× *Hera* (*Lucienianum*) × *Spicerianum*).—  
 Charlesworth, 1904.  
 C. × *Cravenianum*, *G.C.* 1904, i. 174; *O.R.* 1904, 116.—Charlesworth.  
 160a. P. × **Cypheri** (*Curtisii* × *Mastersianum*).—Cypher, 1904.  
 C. × (unnamed), *G.C.* 1904, ii. 293; *O.R.* 1904, 340.—Cypher.  
 171. P. × **decipiens** (p. 151),  
 C. × *Penelope*, *G.C.* 1904, i. 78; *O.R.* 1904, 52.—Singer.  
 172. P. × **decorum** (p. 151).  
 C. × *Mrs. Butterworth*, *O.R.* 1904, 247.—Sander.  
 C. × *Reygærti*, *G.C.* 1905, ii. 269; *O.R.* 1905, 343.—Stepman de  
 Messemæcker.  
 173a. P. × **dellense** (*Mastersianum* × *Rothschildianum*).—Schröder, 1907.  
 C. × *dellense*, *G.C.* 1907, ii. 153; *O.R.* 1907, 277.—Schröder.  
 175. P. × **Descombesii** (p. 152); *O.R.* 1905, 189 (v. *marfieldiense*).—Le Doux.  
 175a. P. × **De-Vere** (× *aureum* × *Charlesworthii*).—Wellesley, 1905.  
 C. × *De Vere*, *G.C.* 1905, ii. 316; *O.R.* 1905, 340.—Wellesley.  
 175b. P. × **Dicksonianum** (× *Hera* × *villosum*).—Wellesley, 1905.  
 C. × *Dicksonianum*, *G.C.* 1905, i. 60; 1906, i. 63; 1907, i. 161; *O.R.* 1905,  
 53; 1906, 43, 53; 1907, 115.—Wellesley. Originally recorded as from ×  
*Savageanum* (*memoria* *Mœnsii*) × *villosum*, but afterwards corrected.  
 C. × *Countess of Carnarvon*, *G.C.* 1907, i. 61, 226; *O.R.* 1907, 54, 147.—  
 Veitch.

176. **P. × Dido** (p. 152).  
 C. × *Sandero-selligerum*, *G.C.* 1904, ii. 432; *O.R.* 1905, 20.—Lawrence.
- 176a. **P. × Dom-Carlos** (*Godefroyæ × Lawrenceanum*).—Beranek, 1904.  
 C. × (unnamed), *G.C.* 1904, i. 109; *O.R.* 1904, 84.—Beranek.  
 C. × *Dom Carlos*, *G.C.* 1904, ii. 433; 1905, i. 333 (v. *Rex*); *O.R.* 1905, 20, 172 (id.).—Cookson.  
 C. × *Don Carlos*, *ŷ.H.* 1905, i. 529, f. (v. *superbum*); *Gard.* 1905, i. 376, f. (id.).—Cookson.
- 180a. **P. × Dorothy** (*insigne × Victoria-Mariæ*), *O.R.* 1904, 102.—Appleton, 1904.  
 C. × (unnamed), *O.R.* 1904, 344.—(G. F. Moore) Colman.
- 180b. **P. × dourdaniense** (*bellatulum × lo*).—Doin, 1904.  
 C. × *Dourdanianum*, *ŷ. S. H. F.* 1904, 211.—Doin.  
 C. × *Isis*, *G.C.* 1905, ii. 383; *O.R.* 1905, 368.—E. Ashworth.
- 180a. **P. × Draco** (*× Hera × insigne*).—Holford, 1906.  
 C. × *Draco*, *G.C.* 1906, ii. 298; *O.R.* 1906, 341.—Holford.
- 182a. **P. × Duchess** (*× aureum × insigne*).—Sander, 1906.  
 C. × *The Duchess*, *G.C.* 1906, i. 29; *O.R.* 1906, 51.—Sander.
184. **P. × Duvallii** (p. 153).  
 C. × *Talisman*, *Rev. H. Belge*, 1906, 96.—Hye.
- 184a. **P. × Earl** (*× œnanthum × selligerum*).—Sander, 1907.  
 C. × *The Earl*, *O.R.* 1907, 368.—Sander.
186. **P. × Edith** (p. 153).  
 C. × *Nuyensii*, *G.C.* 1905, ii. 269; *O.R.* 1905, 343; *Rev. H. Belge*, 1905, 239.—Draps.Doin.
- 187a. **P. × Edwardianum** (*× nitens × Rothschildianum*).—Wellesley, 1904.  
 C. × *King Edward VII.*, *G.C.* 1904, ii. 293; *O.R.* 1904, 339; *G.M.* 1904, 772, 773, f.; *ŷ.H.* 1905, i. 231, f.—Wellesley.
189. **P. × Eira** (p. 154). [See Fig. 117.  
 C. × *Miss Daisy Druce*, *G.C.* 1904, i. 302; *O.R.* 1904, 171.—Druce.  
 P. × *Miss Daisy Druce*, *O.R.* 1904, 329, f. 46.
- There seems to be a doubt as to whether *P. × Eira* was raised from *P. Chamberlainianum* and *P. concolor*, but materials are wanting to clear the matter up.
194. **P. × Elsie** (p. 155); *O.R.* 1904, 101.
- 194a. **P. × Emile** (*× Hera × Lathamianum ♀*).—Cappe, 1905.  
 C. × (unnamed), *ŷ. S. H. F.* 1905, 31.—Cappe.  
 C. × *Emile Cappe*, *ŷ. S. H. F.* 1906, 193.—Cappe.  
 C. × *Minos*, *ŷard.* 1905, 104, f. J.—Cappe.
- 200a. **P. × epicasta** (*× œnanthum × vexillarium*).—J. W. Moore, 1906.  
 C. × (unnamed), *G.C.* 1906, ii. 328, Suppl. 4: *O.R.* 1906, 364.—J. W. Moore.  
 C. × *epicasta*, *G.C.* 1907, i. 132.—Wellesley.

203a. **P.** × **Ethel** (*Chamberlainianum* × *Stonei*), *O.R.* 1904, 102.—Appleton, 1904.

204. **P.** × **Ettyi** (p. 156).

*C.* × *Dowlingianum*, *O.R.* 1904, 19.—Appleton.

*P.* × *Dowlingianum*, *O.R.* 1904, 101.—Appleton.

The second record gives *P.* × *Psyche* as the pollen parent.

205. **P.** × **Eucharis** (p. 156).

*C.* × *Chantino-Lawrenceanum*, *Lind.* xvii. t. 812.—Linden.

215a. **P.** × **exquisitum** (*Argus* × *Godefroyæ*).—R. H. Measures, 1904.

*C.* × *exquisitum*, *Gard.* 1904, i. Jan. 9, Suppl. 8.—R. H. Measures.

215b. **P.** × **exul-concolor** (*concolor* × *exul*).—Charlesworth, 1907.

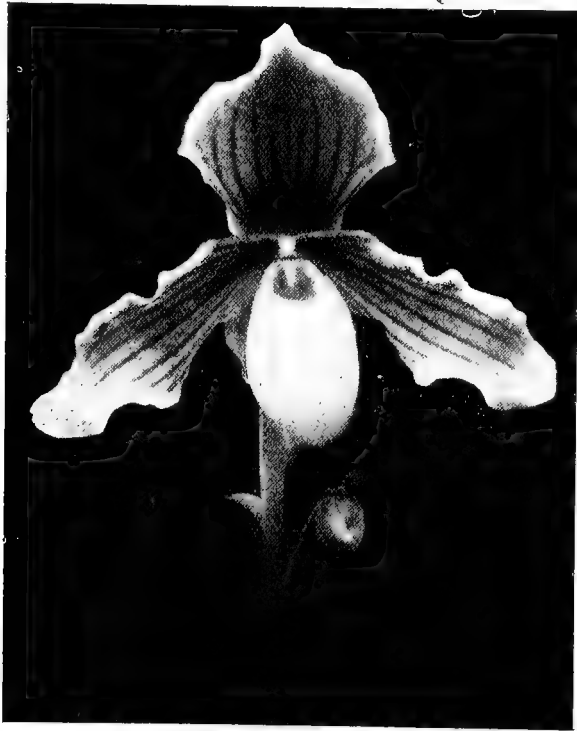


Fig. 117. *PAPHIOPEDILUM* × *EIRA* VAR. *MISS DAISY DRUCE*.

*C.* × *exul-concolor*, *G.C.* 1907, i. 61; *O.R.* 1907, 53.

217a. **P.** × **Fabiola** (× *Niobe* × *villosum*).—Wellesley, 1904.

*P.* × (unnamed), *G.C.* 1904, i. 194.—Wellesley.

217b. **P.** × **Fairrieano-Io** (*Fairrieianum* × *Io*).—Sander, 1905.

*C.* × *Fairrieano-Io*, *G.C.* 1905, ii. 446; *O.R.* 1906, 14.—Sander.

219a. **P.** × **fastuosum** (× *augustum* ♀ × *Rothschildianum*).—Peeters, 1904.

*C.* × *fastuosum*, *J. S. H. F.* 1904, 564; *Rev. H. Belgz.* 1905, 190.—Peeters.

220a. **P.** × **Faunus** (*Charlesworthii* × *purpuratum* ♀), *O.R.* 1905, 304.—Young, 1905.



224. **P. × Figaro** (p. 158).  
 P. × Fitzus, *Rev. H. Belge*, 1906, 21.—Lambeau.
- 227a. **P × Fletcherianum** (Godefroyæ × Mabeliæ).—Low, 1906.  
 C. × Fletcherianum, *G.C.* 1906, ii. 234, 254, f. 103; *O.R.* 1906, 311; *ŷ.H.* 1906, ii. 339, f.—Low. Raised from P. Godefroyæ leucochilum.
- 232a. **P. × Frankeanum** (Curtisii × tonsum ♀), *O.R.* 1908, 29.—Duquesne, 1904.  
 C. × (unnamed), *ŷ. S. H. Fr.* 1904, 22.—Duquesne.  
 M. Duquesne's plant apparently agrees with the one which afterwards appeared with M. Th. Franke among imported plants of the parent species.
- 232b. **P. × Fred** (× Annie × bellatulum).—Sander, 1904.  
 C. × Fred. K. Sander, *G.C.* 1904, ii. 293, 307, f. 139; *O.R.* 1904, 340; *Gard.* 1904, ii. 293, f.—Sander.
246. **P. × giganteum** (p. 161).  
 C. × Dr. Allix, *ŷard.* 1905, 104, f. B.—Cappe.  
 C. × Rene, *O.R.* 1907, 345.—Rogerson.
250. **P. × Goodsoni** (p. 161).  
 C. × H. G. Goodson, *G.M.* 1905, 136.—Goodson.
252. **P. × Goultenianum** (p. 162).  
 C. × Madame Alfred Janssens, *Rev. H. Belge*, 1904, 48.—Janssens and Putzeys.
254. **P. × Graceæ** (p. 162).  
 C. × W. H. Page, *G.C.* 1904, i. 109; *O.R.* 1904, 82.—Moore.
262. **P. × Greyi** (p. 163).  
 C. × Miss M. Sillem, *G.C.* 1905, ii. 115; *O.R.* 1905, 274.—Wellesley.  
 C. × Miss Sillem, *G.C.* 1906, i. 425; *O.R.* 1906, 214.—Wellesley.
263. **P. × Grovesianum** (p. 163).  
 C. × Grovesianum, *Rev. H. Belge*, 1907, 35.—Praet.
- 263a. **P. × Hackenschmidtii** (× Eismannianum × insigne). — E. Ashworth, 1906.  
 C. × George Hackenschmidt, *G.C.* 1906, i. 158; *O.R.* 1906, 108.—E. Ashworth.
267. **P. × Harri-Leeanum** (p. 163).  
 C. × Harri-Leeanum, *G.C.* 1906, ii. 166, f. 67 (Park Lodge var.).
269. **P. × Harrisianum** (p. 164).  
 C. × Harrisianum, *G.C.* 1904, ii. 411, f. 175 ("twofold").
- 271a. **P. × Haywoodiæ** (bellatulum × Haywoodianum).—Mrs. Haywood, 1905.  
 C. × Haywoodianum, *G.C.* 1905, i. 174, 195, f. 80; *O.R.* 1905, 114.—Mrs. Haywood.
272. **P. × Haywoodianum** (p. 165).  
 C. × Fanny, *G.C.* 1905, ii. 414.—Lambeau.
- 272a. **P. × Healei** (Druryi × Youngianum).—Drewett, 1905.  
 C. × John Heale, *G.C.* 1905, ii. 446; *O.R.* 1906, 13.—Drewett.

275. **P. × Helena** (p. 165).  
 C. × Tressilianum, *Rev. H. Belge*, 1905, 22. —Lambeau.  
 C. × Helen, *G. World*, 1904, 379, 381, **f.** (Oakwood var.); *G.M.* 1905, 169,  
**f.** (v. Fascinator).
279. **P. × Hera** (p. 166).  
 C. × Euryades, *G.M.* 1904, 255, **f.** (v. excellens).  
 C. × Henriette Cappe, *Jard.* 1905, 104, **f.** D.—Cappe.  
 C. × Hera, *Jard.* 1905, 104, **f.** G. (v. grandiflorum).—Cappe.  
 C. × punctatum, *Rev. H. Belge*, 1906, 70.—Lambeau.
- 279a. **P. × Herbert** (Sanderianum × Youngianum).—Tracy, 1905.  
 C. × Herbert Goodson, *G.C.* 1905, ii. 254; *O.R.* 1905, 309.—Tracy.
282. **P. × Hitchinsiae** (p. 167).  
 C. × Elmireanum, *Rev. H. Belge*, 1905, 97, **t. f.** 4.
283. **P. × Hobartii** (p. 167).  
 C. × Nina E. Hollond, *G.C.* 1904, ii. 355; *O.R.* 1904, 366.—Hollond.  
 C. × Stottianum, *G.C.* 1906, i. 30; *O.R.* 1906, 55.—Law-Schofield.
- 286a. **P. × Honnoriae** (Druryi × Godefroyæ).—Appleton, 1905.  
 C. × Honnoræ, *G.C.* 1905, i. 108; *O.R.* 1905, 75; *G.M.* 1905, 133, **f.**—  
 Appleton.
- 286b. **P. × Hopkinsianum** (bellatulum × Mastersianum ♀).—Wellesley,  
 1904. [See Fig. 118.]  
 C. × Hopkinsianum, *G.C.* 1904, i. 333; *O.R.* 1904, 173.—Wellesley.  
 C. × Louise, *Sand. O. Guide*, 336.  
 P. × Louise, *O.R.* 1907, 169, **f.** 21.—Scott.
- 287a. **P. × Humbertii** (Mastersianum × niveum).—Sander, 1904.  
 C. × Prince Humbert, *G.C.* 1904, ii. 230; *O.R.* 1904, 309; *Gard.* 1904, ii.  
 283. —Sander.
- 290a. **P. × Iacchus** (Dayanum ♀ × Gowerianum), *O.R.* 1905, 283.—  
 Young, 1905.
292. **P. × Ian** (p. 168).  
 C. × John Hamilton, *G.C.* 1905, ii. 414.—Lambeau.
293. **P. × I'Ansoni** (p. 168); *O.R.* 1905, 281, **f.** 64.
294. **P. × Illione** (p. 168).  
 C. × Clio, *Gard.* 1904, i. 158; *G.C.* 1904, ii. 323; *O.R.* 1904, 364.—Sander.
295. **P. × illustre** (p. 168); *O.R.* 1904, 156.
- 295a. **P. × Imogene** (× Arthurianum ♀ × ciliolare), *O.R.* 1905, 103; 1906,  
 136, **f.** 16.—(Charlesworth) Wellesley, 1905.
- 296a. **P. × imperiale** (Rothschildianum × Stonei).—Sander, 1906.  
 C. × imperiale, *O.R.* 1906, 216.—Sander.
- 297a. **P. × ingens** (insigne × Rothschildianum), *O.R.* 1904, 103.—  
 Appleton, 1904.
- There appears to be some doubt about the parentage of this hybrid.
- 299a. **P. × Io-Argus** (Argus × Io).—Cookson, 1907.  
 C. × Io-Argus, *O.R.* 1907, 343.—Cookson.

300. **P. × Iphis** (p. 169).

C. × *Argo-tonsum*, *G.C.* 1904, ii. 324 ; *O.R.* 1904, 363.—Goodson.

307. **P. × Jeanette** (p. 169).

C. × *Grace Pitt*, *G.C.* 1905, ii. 218 ; *O.R.* 1905, 307.—Pitt.

C. × *Closonianum*, *Rev. H. Belge*, 1906, 23.—Lambeau.

308a. **P. × Jerninghamiæ** (*Spicerianum* × *Winnianum*).—Wellesley, 1905.

C. × *memoria Jerninghamiæ*, *G.C.* 1905, i. 15 ; *O.R.* 1905, 50 ; *G. World*, 1905, 69, 73, f.—Wellesley.

The parentage of this hybrid was unrecorded, but it apparently belongs here.

317. **P. × Kamilii** (p. 171) ; *O.R.* 1904, 101.

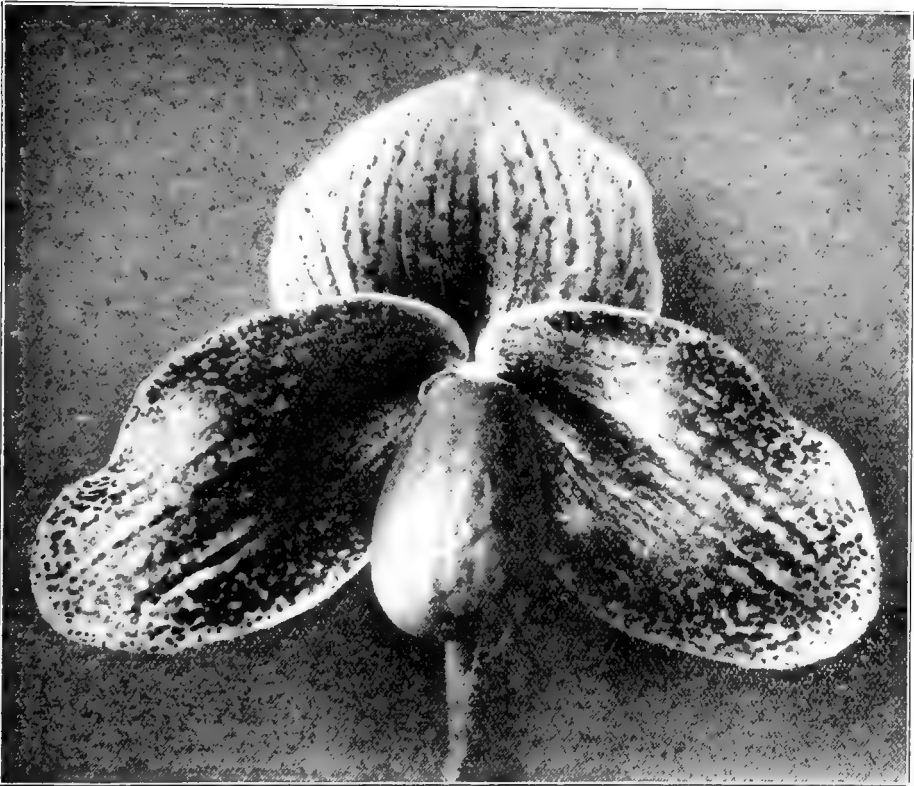


Fig. 118. PAPHIOPEDILUM × HOPKINSIANUM VAR. LOUISE.

318a. **P. × keighleyense** (× *Arthurianum* × *nitens*).—Craven, 1907.

C. × *keighleyense*, *O.R.* 1907, 346.

329. **P. × Lasellei** (p. 172).

C. × *Alcibiades magnificum*, *G.C.* 1905, i. 15, 16 ; 1906, i. 30, 52, f. 27 ; *O.R.* 1905, 50 ; 1906, 43, 50 ; *G.M.* 1906, 55, f. ; *Gard.* 1906, i. 55, f. ; *G. Alb.* 1906, 28, f.—Holford.

330. **P. × Lathamianum** (p. 172, fig. 62).

C. × *Lathamianum*, *Lind.* xvii. t. 808.

C. × *Janssensii*, *G.C.* 1905, i. 62; *Rev. H. Belge*, 1905, 47.—Janssens and Putzeys.

C. × (unnamed), *Die Gart.* 1906, 386, t. f. 4.

330a. P. × **Laura** (× *Arthurianum* × *œnanthum*), *O.R.* 1905, 103.—(Bleu) Wellesley, 1905.

C. × Albert Westendorp, *Rev. H. Belge*, 1905, 273.—Deschryver.

332. P. × **Lawrebel** (p. 173).

C. × Lawrebel, *Gtfl.* 1906, 225, t. 1550.

332a. P. × **Lawregower** (× *Gowerianum* × *Lawrenceanum*).—Cypher, 1906.

C. × Lawregower, *O.R.* 1906, 183.—Cypher.

333. P. × **Leander** (p. 173).

P. × *Leeanum*, Cambridge Lodge var., *O.R.* 1907, 92.—R. I. Measures.

337. P. × **Leeanum** (p. 175).

C. × Drapeau Blanc, *Draps Dom. Cat.* 1904.

C. × *Leeanum*, *Amer. G.* 1904, 668, f. (v. *Gravesianum*); *G.C.* 1905, i. 27, f. 14 (v. *giganteum*); 88, suppl. t. (v. J. Gurney Fowler); *G.M.* 1905, 97, f. (id.); 1907, 103, f. (v. *Clinkaberryanum*); *Gard.* 1905, i. 105. ff. (v. J. Gurney Fowler); *Ŷ.H.* 1906, ii. 569, f. (v. *Corona*).

C. × Confetti, *G.C.* 1905, i. 62.—Janssens and Putzeys.

C. × (unnamed), *Die Gart.* 1906, 386, t. f. 1.

339a. P. × **Leon** (× *Leeanum* × *gigas*? (Prewettii).—Pauwels, 1906.

C. × Leon, *Chron. O.* ii. 74.—Pauwels.

340. P. × **Leonæ** (p. 176); *O.R.* 1905, 153, f. 34 (v. *Craveniæ*).

342a. P. × **leyburnense** (*Charlesworthii* × *Haywoodianum*).—Mrs. Haywood, 1904.

C. × *leyburnense*, *G.C.* 1904, ii. 212; *O.R.* 1904, 310.—Farrer.

C. × Mrs. Haywood, *G.C.* 1904, i. 31; *O.R.* 1904, 50.—Mrs. Haywood.

C. × Firmin Lambeau, *Rev. H. Belge*, 1905, 239; *G.C.* 1905, ii. 269; *O.R.* 1905, 343.—Duchesne and Lanthoine.

345. P. × **Lincolnii** (p. 176).

C. × Abraham Lincoln, *O.R.* 1905, 106, 373.—Wellesley.

350. P. × **longwoodense** (p. 176).

C. × Standard, *Gard.* 1904, ii. 320.—Low.

C. × Lord Ossulton, *G.C.* 1904, ii. 323; 1905, ii. 317; *O.R.* 1904, 364. ("Lord Coulson"); 1905, 339.—Charlesworth.

C. × Sunray, *G.C.* 1904, ii. 432; *O.R.* 1905, 21.—Charlesworth.

C. × Standaert, *Rev. H. Belge*, 1905, 263.—Peeters.

C. × Margaritæ, *Ŷard.* 1905, 104, f. H.—Cappe.

C. × Padgeni, *G.C.* 1905, ii. 381; *O.R.* 1905, 367.—Goodson.

350a. P. × **Lonsdaleæ** (× *Arthurianum* × *Lathamianum*).—Wellesley, 1907.

C. × Mrs. Robert Lonsdale, *G.C.* 1907, i. 132.—Wellesley.

353a. P. × **Lubbersii** (*barbatum* × *calophyllum* (*politum*)).—*Draps Dom.*, 1904.

C. × **Lubbersii**, *ŷ. S. H. F.* 1904, 465; *Rev. H. Belge*, 1905, 278; *G.C.* 1905, ii. 414.—Draps Dom.

353a. **P.** × **Lucasiæ** (× *Clinkaberryanum* × *insigne*).—Lucas, 1905.

C. × **Edith Lucas**, *G.C.* 1905, ii. 218; *O.R.* 1905, 307.—Lucas.

353b. **P.** × **Lucasii** (× *Berkeleyanum* (*Beekmanni*) × *Swinburnei*).—G. F. Moore, 1907.

C. × **Chas. Lucas**, *G.C.* 1907, i. 195; *O.R.* 1907, 117.—G. F. Moore.

356. **P.** × **Lumsdenii** (p. 178).

C. × **Madame Bette**, *Rev. H. Belge*, 1904, 120.—Lambeau.

C. × **Henri Duval**, *ŷ. S. H. Fr.* 1904, 417, 418.—Debille.

358a. **P.** × **luxemburgense** (*Argus* × *Fairrieanum*).—Opoix, 1907.

C. × **Marguerite Opoix**, *ŷ. S. H. Fr.* 1907, 540.—Opoix.

364a. **P.** × **Madame** (× *Calypso* × *Figaro*).—F. C. Young, 1907.

C. × **Madame Lloyd**, *G.C.* 1907, i. 62; *O.R.* 1907, 54.—F. C. Young.

376a. **P.** × **Margery** (*exul* × *tonsum*), *O.R.* 1904, 102.—Appleton, 1904.

376b. **P.** × **Marjorie** (× *Leeanum* × *Simonii*).—Bromilow, 1907.

C. × **Marjorie**, *O.R.* 1907, 368.—Bromilow.

379. **P.** × **Marwoodii** (p. 181).

C. × **Gloriana**, *G.C.* 1904, ii. 43; *O.R.* 1904, 243.—Alcock, 1904.

381a. **P.** × **Mastersio-exul** (*exul* × *Mastersianum*).—Cypher, 1907.

C. × **Mastersio-exul**, *G.C.* 1907, i. 108; *O.R.* 1907, 84.—Cypher.

381b. **P.** × **Mastersio-villosum** (*Mastersianum* × *villosum*).—Sander, 1904.

C. × **Mastersio-villosum**, *G.C.* 1904, i. 30; *O.R.* 1904, 50.—Sander.

382. **P.** × **Matthewsii** (p. 182).

C. × **Lawro-Mastersii**, *Rev. H. Belge*, 1905, 239; *G.C.* 1905, ii. 269.—

Draps Dom.

383. **P.** × **Maudiaæ** (p. 182).

C. × **Maudiaæ**, *Amer. G.* 1904, 210, f.; *Amer. G.C.* 1905, 54, f.

390. **P.** × **Melia** (p. 183).

P. × **Victorinus**, *O.R.* 1904, 58.—Young.

C. × **Briton**, *G.C.* 1905, i. 110; *O.R.* 1905, 79.—Mrs. Gratrix.

392. **P.** × **Menelik** (p. 183).

C. × **Mrs. W. Mostyn**, *Gard.* 1905, i. 121.

392a. **P.** × **Mercatellii** (*Lowii* × *Stonei* ♀), *O.R.* 1905, 38.—Linari, 1904.

C. × **Memoria Mercatelli**, *Bull. Soc. Tosc.* 1904, 257.—Linari.

397a. **P.** × **Minerva** (*exul* × *superbiens*).—Lambeau, 1904.

C. × **Minerva**, *O.R.* 1904, 331; *Rev. H. Belge*. 1905, 22.—Lambeau.

C. × **Minervæ**, *G.C.* 1904, ii. 309.—Lambeau.

399. **P.** × **Minnie** (p. 184).

C. × **Sophie**, *Rev. H. Belge*, 1904, 70.—Lemoinier.

403a. **P.** × **Moloch** (*Charlesworthii* × *Hera*).—Holford, 1907.

C. × **Moloch**, *G.C.* 1907, i. 61; *O.R.* 1907, 52, 62.—Holford.

C. × **Dante**, *O.R.* 1907, 341.—Holford.

- 403a. **P.** × **Mooreanum** (× Evelyn × nitens).—(Moore) Holford, 1904.  
C. × G. F. Moore, *G.C.* 1904, ii. 432; 1905, i. 61; *O.R.* 1905, 20, 52.—  
(Moore) Holford.  
C. × George Moore, *G.C.* 1907, i. 61; *O.R.* 1907, 53.—Cypher.
- 403b. **P.** × **Moorei** (Godefroyæ × tonsum).—J. W. Moore, 1906.  
C. × (unnamed), *G.C.* 1906, ii. Nov. 10, Suppl. 4; *O.R.* 1906, 364.—J. W.  
Moore.
405. **P.** × **Morganiaë** (p. 185); *O.R.* 1904, 41, f. 15.  
C. × Morganiaë, *ŷ.H.* 1905, i. 49, f.; *G.C.* 1907, i. 66, f. 29.  
C. × Mme. Coffigniez, *ŷ. S. H. Fr.* 1905, 477.—Opoix.
406. **P.** × **Moussetianum** (p. 185).  
C. × callo-Veitchii, *G.C.* 1905, ii. 269.—Stepman de Messenmæcher.
- 407a. **P.** × **Muriel** (Chamberlainianum × tonsum), *O.R.* 1904, 102.—  
Appleton, 1904.
- 414a. **P.** × **nigratum** (Argus × Swinburnei).—Stanley, 1907.  
C. × nigratum, *O.R.* 1907, 344.
415. **P.** × **Niobe** (p. 188); *O.R.* 1905, 41, f. 9 (v. Oakwood seedling).  
C. × Niobe, Westonbirt var., *G.M.* 1904, 812, f.; *ŷ.H.* 1904, ii. 519, f.
416. **P.** × **Niobe-Leeanum** (p. 188).  
C. × Cecil Dickson, *G.C.* 1906, i. 63; *O.R.* 1906, 53.—Wellesley.  
C. × Diomede, *O.R.* 1907, 364.—Veitch.
417. **P.** × **nitens** (p. 188).  
C. × (unnamed), *Die Gart.* 1906, 386, t. f. 3.  
C. × Hector, *G.C.* 1907, i. 31; *O.R.* 1907, 55.—Keeling.  
C. × Queen of Yellow, *G.C.* 1907, i. 62; *O.R.* 1907, 53.—Armstrong and Brown.
425. **P.** × **œnanthum** (p. 189).  
C. × œnanthum, *Orchis*, i. 52, ff. 25, 26 (v. superbum).
435. **P.** × **orangense** (p. 191).  
C. × Nora, *G.C.* 1906, ii. 299; *O.R.* 1906, 344.—Thompson.
445. **P.** × **Parkerianum** (p. 192).  
C. × Geneviève Opoix, *ŷ. S. H. F.* 1904, 22.—Opoix.  
C. × Admiral Togo, *G.C.* 1905, i. 62; *Rev. H. Belge*, 1905, 47.—Janssens  
and Putzeys.
- 452a. **P.** × **Pelican** (× Andromeda × Rothschildianum).—Cookson, 1904.  
C. × The Pelican, *G.C.* 1904, ii. 324; *O.R.* 1904, 363.—Cookson.
- 457a. **P.** × **Pharos** (Godefroyæ × Hookeræ).—Sander, 1906.  
C. × Pallas, *G.C.* 1906, i. 109; *O.R.* 1906, 85.—Sander.
460. **P.** × **Phœbe** (p. 193); *O.R.* 1904, 101.
- 460a. **P.** × **Phryne** (Argus × exul).—Wrigley, 1907.  
C. × (unnamed), *O.R.* 1907, 93.—Wrigley.
476. **P.** × **Priam** (p. 196).  
C. × Leucas, *G.C.* 1905, i. 60; *O.R.* 1905, 54.—Veitch.
487. **P.** × **Pytho** (p. 197).  
C. × Masterso-callosum, *G.C.* 1905, i. 268; *O.R.* 1905, 150.—Sander.

490. **P.** × **Rachel** (p. 198).

C. × May Proctor, *G.C.* 1904, ii, 157; *O.R.* 1904, 271.—P. Smith.

492a. **P.** × **Rajah** (*callosum* × *triumphans*).—Sander, 1906.

C. × Rajah, *G.C.* 1906, i, 109; *O.R.* 1906, 85.—Sander.

493. **P.** × **Rappartii** (p. 198).

C. × King Carlos, *G.C.* 1904, ii, 355.—Low.

C. × Don Carlos, *O.R.* 1904, 367.—Low.

The parentage of this hybrid requires confirmation.

493a. **P.** × **Readii** (*callosum* × *Matthewsii*).—Fowler, 1907.

C. × Readii, *G.C.* 1907, i, 30; *O.R.* 1907, 49.—Fowler.

503a. **P.** × **Rhesus** (× *Harrisianum* × *Winnianum* ♀), *O.R.* 1906, 60.—Young, 1906.

505a. **P.** × **Riddifordii** (× *Atys* ♀ × *calloso-barbatum*), *O.R.* 1905, 119.—Clark, 1905.

507a. **P.** × **Robbinsii** (× *Calypso* × *Godseffianum* ♀), *O.R.* 1904, 120.—Vanner, 1904.

509. **P.** × **Robinianum** (p. 200).

C. × Lowio-Parishii, *G.C.* 1904, i, 270; *O.R.* 1904, 140.—Drewett.

509a. **P.** × **Robsoni** (*exul* × *insigne*).—Sander, 1905.

C. × Robsoni, *G.C.* 1905, i, 174; *O.R.* 1905, 119.—Bostock.

C. × *exquisitum*, *G.C.* 1905, i, 15; *O.R.* 1905, 52.—Sander.

The parentage of this hybrid requires confirmation.

512. **P.** × **Rolfei** (p. 200).

C. × Rolfei *superbum*, *G. World*, 1904, 1041, f.

C. × Rolfeanum, *ŷ. S. H. F.* 1904, 777.—Beranek.

C. × Souv. de Düsseldorf, *G.C.* 1904, ii, 309; *O.R.* 1904, 331.—Beranek.

513. **P.** × **Romulus** (p. 200).

C. × Archimedes, *G.C.* 1904, i, 14; *O.R.* 1904, 21.—Warburton.

C. × Amy Moore, *G.C.* 1905, i, 15; *O.R.* 1905, 51.—G. F. Moore.

C. × The Czar, *G.C.* 1905, i, 31; *O.R.* 1905, 55.—Gratrix.

C. × Nogi, *G. World*, 1905, 29, 37, f.—Cypher.

C. × Albertiano-nitens, *G.C.* 1905, i, 62.—Lambeau.

C. × Damyre, *G.C.* 1905, i, 62.—Janssens & Putzeys.

C. × eboraicum, *G.C.* 1906, ii, 414; *O.R.* 1906, 19; *ŷ.H.* 1906, ii, 589,

f.—Craven.

513a. **P.** × **Rose** (× *Haywoodianum* × *Spicerianum* ♀).—Rogerson, 1907.

C. × Rose, *O.R.* 1907, 310.—Rogerson.

515. **P.** × **Rosita** (p. 201).

C. × Stanley Rogerson, *G.C.* 1904, ii, 323; *O.R.* 1904, 364.—Sander.

518. **P.** × **Roesii** (p. 202).

C. × Baron Kuroki, *G.C.* 1904, i, 398, 410; *O.R.* 1904, 213, 215.—Low

There appears to be some doubt about the parentage of this hybrid.

524a. **P.** × **Sally** (*barbatum* × *nitens*), *O.R.* 1904, 102.—Appleton, 1904.

525. **P.** × **Salomonæ** (p. 202).

- C. × H. S. Goodson, *G.C.* 1906, i. 158; *O.R.* 1906, 108.—Goodson.  
 525a. **P.** × **Sanacderæ** (insigne × *Sanacteus*).—Wellesley, 1905.  
 C. × *Sanacderæ*, *G.C.* 1905, ii. 348; *O.R.* 1905, 364.—Wellesley, 1905.  
 525b. **P.** × **Sanacteus** (insigne × *Simonii*).—Cookson, 1905.  
 C. × *San-Actæus*, *G.C.* 1905, i. 61; *O.R.* 1905, 52; *G.M.* 1905, 821, f.—  
 Cookson.  
 C. × Mrs. Robson, *G.C.* 1907, i. 62; *O.R.* 1907, 54.—Robson.  
 The record of this hybrid is probably imperfect.  
 525c. **P.** × **Sanarthur** (× *Arthurianum* × insigne), *O.R.* 1905, 373.—  
 Wellesley, 1905.  
 C. × *San-Arthur*, *G.C.* 1907, i. 132.—Wellesley.  
 526. **P.** × **Sanderi** (p. 202).  
 C. × *Boadicea*, *G.C.* 1904, ii. 293; *O.R.* 1904, 340.—Sander.  
 530. **P.** × **Schlesingerianum** (p. 203).  
 C. × *alportense*, *G.C.* 1904, i. 125; *O.R.* 1904, 87, 344.—Gratrix.  
 C. × *fulshawense*, *O.R.* 1907, 368.—Bromilow.  
 • 531. **P.** × **Schröderi** (p. 204).  
 C. × Mme. Hustin, *ŷ. S. H. F.* 1904, 670, 778; *O.R.* 1905, 137.  
 • **P.** × *Baron Schröder*, *O.R.* 1905, 136, f. 30 (v. *Germaine Opoix*), 137, f. 31  
 (v. *Gaston Bultel*).  
 C. × *Germaine Opoix*, *Westfield var.*, *G.M.* 1906, 766, f.; *ŷ. H.* 1906, ii.  
 475, f.; *G.C.* 1906, ii. 410, 411, f. 154; *Rev. H.* 1906, 328, t.  
 533a. **P.** × **Scipio** (× *nitens* × *Schlesingerianum*).—Holford, 1904.  
 C. × *Scipio*, *G.C.* 1904, i. 174; *O.R.* 1904, 115.—Holford.  
 536a. **P.** × **Seraphis** (× *œnanthum* × *Orpheus* ♀), *O.R.* 1906, 60.—  
 Young, 1906.  
 536b. **P.** × **Seymouri** (*callosum* × *gigas?* (*Prewetti*)).—Low, 1907.  
 C. × E. J. Seymour, *G.C.* 1907, i. 259; *O.R.* 1907, 149, 150.—Low.  
 536c. **P.** × **Shaferi** (× *Leeanum* × *Medeia*), *O.R.* 1905, 95.—(*Roebling*)  
 Shafer.  
 536d. **P.** × **Sheila** (× *Harrisianum* × *triumphans*).—Thompson, 1906.  
 C. × *Sheila*, *G.C.* 1906, ii. 78; *O.R.* 1906, 249.—Thompson.  
 C. × *Sheba*, *G.C.* 1906, ii. Nov. 10, Suppl. 4 (*Westfield var.*).—Wellesley.  
 540. **P.** × **Simonii** (p. 206).  
 C. × Mme. Chas. Dietrich, *G.C.* 1905, ii. 414.—Lambeau.  
 C. × *Viola Lee*, *G.C.* 1905, ii. 446; *O.R.* 1906, 13.—Drewett.  
 C. × F. H. Cann, *G.C.* 1905, ii. 447; *O.R.* 1906, 15; *G.M.* 1906, 44, f.—  
 G. F. Moore.  
 C. × *Putzeysi*, *Rev. H. Belge*, 1905, 22.—Lambeau.  
 C. × *Sidneyanum*, *G.C.* 1906, i. 23.—Tracy.  
 C. × *Actæus*, *G.C.* 1907, i. 12, f. 10 (v. *langleyense*).  
 C. × *xanthinum*, *G.C.* 1907, i. 30; *O.R.* 1907, 51.—Tracy.  
 C. × (unnamed), *Die Gart.* 1906, 386, t. f. 2.  
 540a. **P.** **Singeri** (× *conco-bellatulum* × insigne).—Low, 1906.



- P. × G. Singer, *O.R.* 1906, 90.—Low.
- \* 547a. P. × **St. Albans** (× *Aphrodite* × *Harrisianum*).—Sander, 1905.
- \* C. × **St. Albans**, *G.C.* 1905, ii. 446; *O.R.* 1906, 24.—Sander.
- 549a. P. × **Statherianum** (*Chamberlainianum* × *Mastersianum*).—Armstrong & Brown, 1907.
- C. × **Statherianum**, *O.R.* 1907, 178.
- 550a. P. × **Stephanos** (× *œnanthum* × *Pollettianum*).—Fletcher, 1906.
- C. × **Stephanos**, *G.C.* 1906, ii. 360; *O.R.* 1906, 366; *G.M.* 1906, 798, f.—Fletcher.
- 562a. P. × **Tankervillei** (*exul* × *nitens*).—Sander, 1906.
- C. × Earl of Tankerville, *G.C.* 1906, i. 30; *O.R.* 1906, 51.—Sander.
564. P. × **Tautzianum** (p. 210).
- C. × **Tautzianum**, *Gard.* 1907, i. 89, f. (*v. nigricans*).
566. P. × **tessellatum** (p. 210).
- C. × **tessellatum**, *G.C.* 1906, i. 19, f. 13 (*v. rubens*).
- 566a. P. × **Thais** (*insigne* ♀ × *Orpheus*), *O.R.* 1905, 157.—Young.
567. P. × **Thalia** (p. 210).
- C. × **Thalia** var. Mrs. Francis Wellesley, *G.C.* 1906, i. 5, f. 2; *Gard.* 1906, i. 9, f.; *G.M.* 1906, 84, f.; *ŷ.H.* 1906, i. 111, f.; *O.R.* 1906, 28.
- 569a. P. × **Thornianum** (*Charlesworthii* × *nitens*).—Appleton, 1904.
- C. × **Thornianum**, *G.C.* 1904, ii. 433; *O.R.* 1905, 20.—Appleton.
- C. × (unnamed), *O.R.* 1906, 369.—Low.
- C. × (unnamed), *O.R.* 1907, 85, 93.—Wrigley.
570. P. × **Thorntoni** (p. 211).
- C. × Katherine, *G.C.* 1905, i. 108; *O.R.* 1905, 75.—Goodson.
571. P. × **Thyades** (p. 212).
- C. × (unnamed), *O.R.* 1907, 178.—Armstrong & Brown.
- 572a. P. × **tonso-superbiens** (*superbiens* × *tonsum*).—Goodson, 1904.
- C. × **tonso-superbiens**, *G.C.* 1904, ii. 343.—Goodson.
- 572b. P. × **Tracyanum** (× *aureum* × *Leeanum*).—Tracy, 1904.
- C. × **Tracyanum**, *G.C.* 1904, ii. 433; *O.R.* 1905, 21; *G. World*, 1905, 159, f.—Tracy.
- 575a. P. × **Trippiæ** (× *Harrisianum* × *Hera*).—Mrs. Haywood, 1905.
- C. × Lady Tripp, *G.C.* 1905, ii. 411; *O.R.* 1906, 11.—Mrs. Haywood.
- \* 576. P. × **triumphans** (p. 212).
- C. × **triumphans**, *ŷ.H.* 1905, ii. 495, f.; *G.M.* 1905, 742, f.; *G.M.* 1904, 794, f. (*v. magnificum*).
- C. × Fairlawn, *O.R.* 1906, 366.—Goodson.
- 583a. P. × **Upcheri** (*Argus* × *Mastersianum*).—Upcher, 1905.
- C. × **Argo-Mastersianum**, *G.C.* 1905, i. 245.—Upcher.
584. P. × **Urania** (p. 213).
- C. × **Urania**, *G.C.* 1904, ii. 152 (*Rehder's* var.).
- C. × M. Martin Cahuzac, *ŷard.* 1905, 104, f. I.—Cappe.
- 586a. P. × **Vanessa** (*præstans* × *villosum*), *O.R.* 1905, 216.—Mrs. Ross.

- 590a. **P.** × **Venilla** (Victoria-Mariæ ♀ × villosum), *O.R.* 1904, 58.—Young.
- 592a. **P.** × **Vera** (Godefroyæ × Spicerianum), *O.R.* 1904, 102.—Appleton.  
C. × (unnamed), *G.C.* 1904, i. 109; *O.R.* 1904, 84.—Beranek.
- 597a. **P.** × **Victory** (× Euryale × triumphans).—Sander, 1906.  
C. × Victory, *G.C.* 1906, ii. 234; *O.R.* 1906, 311.—Sander.
600. **P.** × **Villeboisii** (p. 216).  
C. × Miss Annie Goodson, *O.R.* 1906, 366.—Goodson.
- 601a. **P.** × **villma** (× Norma × villosum).—Drewett, 1905.  
C. × villma, *G.C.* 1905, ii. 446; *O.R.* 1906, 13.—Drewett.
- 606a. **P.** × **Webbiæ** (× Minos × nitens).—Wellesley, 1907.  
C. × Miss Dora Webb, *G.C.* 1907, i. 132.—Wellesley.
- 606b. **P.** × **Wellesleyæ** (× Gowerianum × Sanderianum).—Wellesley, —1905.  
C. × Mrs. Francis Wellesley, *G.C.* 1905, i. 60, 83; 1907, i. 161; *O.R.* 1905, 53; 1907, 115.—Wellesley.
- 606c. **P.** × **Wellesleyi** (Lawrenceanum × Niobe).—Wellesley, 1906.  
C. × Lawrenceano-Niobe, *G.C.* 1906, ii. 224; 1907, i. 132.
- 606d. **P.** × **Wendigo** (callosum ♀ × nitens), *O.R.* 1905, 120.—Young.
- 607a. **P.** × **westfieldiense** (× Leeanum × Pollettianum).—Wellesley, 1904.  
C. × westfieldiense, *G.C.* 1904, ii. 432; *O.R.* 1905, 21, 50; *G. World*, 1905, 69, f.—Wellesley.
- 611a. **P.** × **Whiteleggei** (bellatulum × Euryale).—Sander, 1905.  
C. × G. G. Whitelegge, *G.C.* 1905, ii. 316; *O.R.* 1905, 341.—Sander.
- 612a. **P.** × **Williamsonianum** (× Leeanum × Rothschildianum).—Sander, 1904.  
C. × Williamsonianum, *G.C.* 1904, ii. 118; *O.R.* 1904, 268.—Sander.
- 612b. **P.** × **Willoughbyæ** (Chamberlainianum × Charlesworthii).—Strickland, 1907.  
C. × Mrs. Sutton Willoughby, *G.C.* 1907, i. 66.—Strickland.  
C. × Cynthia, *O.R.* 1907, 308.—Holford.
620. **P.** × **Wottoni** (p. 218).  
C. × westpointense, *G.C.* 1905, ii. 447; *O.R.* 1906, 16.—Gratrix. Raised from *P. bellatulum album* and *P. callosum* Sanderæ.
- 622a. **P.** × **Wrigleyi** (p. 219).  
C. × Wormsæ, *J. S. H. F.* 1904, 105; *Jard.* 1905, 104, f. E.—Cappe.  
C. × (unnamed), *O.R.* 1904, 92.—Craven.  
C. × Elsie, *G.C.* 1906, ii. 360; *O.R.* 1906, 366.—Appleton.
- 625a. **P.** × **Yolande** (barbatum × exul), *O.R.* 1904, 102.—Appleton, 1904.
627. **P.** × **Youngianum** (p. 220).  
C. × Youngianum, *G.C.* 1906, ii. 439, f. 165 (v. *superbum*).
629. **P.** × **Zampa** (p. 220).  
C. × hirsuto-Leeanum, *G.C.* 1905, ii. 414.—Stepman de Messemæcher.
632. **P.** × **Zollingeri** (p. 632).  
C. × Gordonix, *Rev. H. Belge*, 1906, 47.—Lambeau.

**27. PHAIOCALANTHE.**

3a. **P.-c. × Colmanii** (*Calanthe Regnieri* (*Stevensii*) × *Phaius Cooksoni* (Norman), *G.C.* 1907, i. 31; *O.R.* 1907, 49, 89, f. 10.—Colman, 1907.

**29. PHAIUS.**

4. **P. × Chapmanii** (p. 222); *O.R.* 1907, 221.

5. **P. × Clive** (p. 222); *G. World*, 1904, ii. 670, suppl. f.; *G.C.* 1907, i. 343, f. 144.



Fig. 119. PHAIOCALANTHE × COLMANII.

6. **P. × Cooksonæ** (p. 222); *O.R.* 1907, 189, 221.

7. **P. × Cooksoni** (p. 222); *G.M.* 1907, 134, f.

*P. × Norman*, *G. World*, 1904, 670, suppl. f.; *G.C.* 1907, i. 343, f. 144.

8a. **P. × Doris** (× *Cooksonæ* × *oakwoodiensis*), *G.C.* 1906, i. 350; *O.R.* 1906, 180; 1907, 221, 222.—Cookson, 1906.

9. **P. × Harold** (p. 224); *G. World*, 1904, 670, suppl. f.; *G.C.* 1907, i. 343, f. 144; *O.R.* 1907, 188.

12. **P. × Marthæ** (p. 224); *Gtfl.* 1904, 449, t. 1530.

13. **P. × oakwoodiensis** (p. 224); *O.R.* 1907, 189.

16. **P. × Phœbe** (p. 224); *O.R.* 1907, 188.

**31. PHRAGMOPEDILUM.**

5. **P.** × **Brysa** (p. 227).

*Selenipedium* × *Pallene*, *G.C.* 1905, i. 60; *O.R.* 1905, 54.—Veitch.

17. **P.** × **giganteum** (p. 228).

*S.* × *Mme.* *Linden*, *G.C.* 1904, i. 238; *O.R.* 1904, 139.—Linden.

*Cypripedium* × *Gottianum*, *G.C.* 1904, ii. 293; *O.R.* 1904, 340.—Sander.

18. **P.** × **grande** (p. 229).

*C.* × *grande*, *Die Gartenw.* x. 77-79, f.

23. **P.** × **nitidissimum** (p. 229).

*S.* × *nitidissimum*, *Dict. Ic. O. Sel. hyb.* t. 3.

32a. **P.** × **torconiense** (*caricinum* × *Lemoinierianum*).—Lemoinier, 1906.

*S.* × *torconiense*, *Rev. H. Belge*, 1906, 268; *Dict. Ic. O. Sel. hyb.* t. 4.

**31a. PROMENÆA.**

1. **P.** × **Rollissoni** (*stapelioides* ♀ × *xanthina*).—Crawshay, 1905.

*P.* × *Crawshayana*, *O.R.* 1905, 222, 262.—Crawshay, 1905.

*Zygopetalum* × *Crawshayanum*, *G.C.* 1905, i. 333; *O.R.* 1905, 172; *G.M.* 1905, 561, f.—Crawshay.

Originally described as a species under the name of *Maxillaria Rollissoni*, *Lindl. Bot. Reg.* sub. t. 1986, and subsequently figured (*l.c.* 1838, t. 40), but now believed to be a natural hybrid with the above parentage.

**33. SOBRALIA.**

1a. **S.** × **dellensis** (*leucoxantha* × *Lowii*), *O.R.* 1907, 196. —Schröder, 1907.

**34. SOPHROCATLÆLIA.**

1a. **S.-c.-l.** × **Medeia** (*Cattleya bicolor* × *Sophrolælia* × *Orpeti*), *G.C.* 1907, ii. 318; *O.R.* 1907, 362.—Holford, 1907.

1b. **S.-c.-l.** × **Phyllis** (*C. Lawrenceana* × *S.-l.* × *læta*), *G.C.* 1907, ii. 191; *O.R.* 1907, 306, 315.—Holford, 1907.

**35. SOPHROCATTLEYA.**

0a. **S.-c.** × **Antiochus** (*C. Warscewiczii* × *S.-c.* × *Cleopatra*), *G.C.* 1907, ii. 221; *O.R.* 1907, 309.—Charlesworth.

0b. **S.-c.** × **Atreus** (*C. Lawrenceana* × *Sophonitis grandiflora*), *G.C.* 1904, ii. 324; *O.R.* 1904, 365.—Veitch, 1904.

4a. **S.-c.** × **Doris** (*C. Dowiana* × *S. grandiflora*), *G.C.* 1904, ii. 327; 1905, ii. 412; *O.R.* 1904, 342, 344; *G.M.* 1906, 209, f.—(Bull) Leemann.

6a. **S.-c.** × **Heathii** (*C. Schroederæ* × *S. grandiflora* ♀), *O.R.* 1907, 85, 91.—Heath, 1907.

7b. **S.-c.** × **Marcus** (*C. Enid* × *S.-c.* × *Calypso*), *G.C.* 1907, ii. 221; *O.R.* 1907, 309.—Charlesworth, 1907.

9a. **S.-c.** × **warnhamensis** (*C. amethystoglossa* × *S. grandiflora*), *G.C.* 1904, ii. 355; 1906, i. 158; *O.R.* 1904, 366; 1906, 108; *ŷ. H.* 1906, i. 295, f (v. *Cerise*); *G.M.* 1906, 547, f.—Lucas, 1904.

### 36. SOPHROLÆLIA.

3. **S.-l.** × **læta** (p. 236); *ŷ. H.* 1905, ii. 99, f. (v. *Orpetiana*).

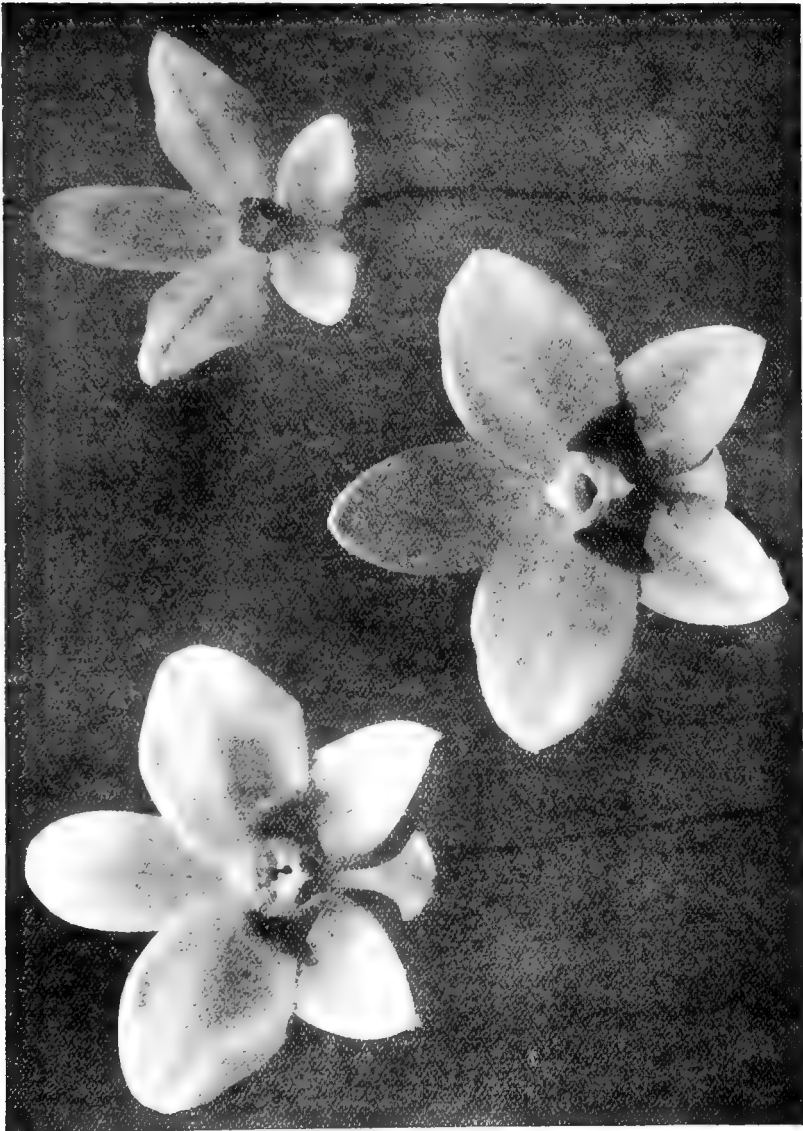


Fig. 120. SPATHOGLOTTIS × COLMANII AND ITS PARENTS  
(*S.* × *Veitchii* (see p. 238) to left and *S. aurea* to right).

5a. **S.-l.** × **Phroso** (*Lælia Jongheana* × *S.-l.* × *læta*), *G.C.* 1906, ii. 98; 1907, i. 259, 281, f. 118 (v. *superba*); *O.R.* 1906, 252; 1907, 148, 158 (v. *superba*).—Holford, 1906.

7a. **S.-l.** × **Leda** (*L. pumila* × *S.-l.* × *Gratrixiæ*), *G.C.* 1907, ii. 221; *O.R.* 1907, 309.—Charlesworth.

### 37. SPATHOGLOTTIS.

Oa. **S.** × **Colmanii** (*aurea* × *Veitchii*), *O.R.* 1906, 80, 83.—Colman, 1906.

### 38. STANHOPEA.

2a. **S.** × **Wolteriana** (*Martiana* × *tigrina* ♀), *G.C.* 1905, ii. 102, f. 35; *O.R.* 1905, 272; 1907, 255; *Gartwelt.* x. 200, f.—Wolter, 1905.

### 44. ZYGOPETALUM.

1. **Z.** × **Clayi** (p. 237); *ŷ. H.* 1905, i. 399, f.

1a. **Z.** × **Gottianum** (*maxillare* × *Perrenoudi*), *G.C.* 1904, i. 270; *O.R.* 1904, 141; 1906, 112.—Sander, 1904.

2a. **Z.** × **maxjorisi** (*Jorisianum* × *maxillare*), *G.C.* 1904, ii. 192; *O.R.* 1904, 306; 1906, 44, 53.—R. I. Measures, 1904.

6. **Z.** × **secundum** (p. 238).

**Z.** × **Mackayo-crinatum**, *G.C.* 1905, i. 78.—Sander.



## INDEX OF SYNONYMS.

**A**S the names of the parents in Part I, and the adopted names of the hybrids in Part II, are in alphabetical order, it has only been thought necessary to give an Index of Synonyms. A name which does not appear in the Index should be found in the body of the work, and *vice versa*. The Addenda to each part should, of course, be consulted. The names are generally cited in the Index in the same form as in the text, but a few modifications have been made. For example, the article "the" has been uniformly omitted, and thus such a name as "Cypripedium × The Duke" appears as "C. × Duke." A few abbreviated words have also been modified in form where diversity of practice would have separated those that recur in different forms under the same genus, as "Madame," "Mme.," &c. In a few cases the repetition of a specific name is indicated by the initial letter, thus Cypripedium × Harrisianum, C. × H. v. lineatum, C. × H. v. robustum, and C. × H. v. Wallærtianum, which so-called varieties of C. × Harrisianum really belong elsewhere.

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Anguloa × intermedia, 43; Anæctochilus × Domini, 85; Dominyi, 44.

BRASSAVOLA - CATTLEYA × Empress of Russia, 46.

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Brassoepidendrum × Stamfordianum, 259.

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Brasso-Lælia-Cattleya × Fowleri, 256.

Brasso-lælio-Cattleya × elegans-Digbyana, 256; Hippocrates, 256; Lido, 256; Rowena, 256.

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## Future Supplements.

IT is inevitable that a work of this kind, dealing with a subject which is progressing with such rapid strides, should very quickly become out of date. The preceding pages contain the hybrids recorded up to the end of 1907, so far as their history could be ascertained, but a large number have been recorded since, and almost every meeting of importance brings additions to the list.

As stated at page v. of the Preface, it is intended to publish future additions in the ORCHID REVIEW, so as to prevent the work from falling out of date. Those for 1908 have already been collected, and a first instalment will appear in an early number of that work, after which the records will be continued from time to time as the materials accumulate. This will also afford an opportunity of correcting any errors that may be pointed out, and of including any hybrids that have been omitted for want of information. It is quite probable that materials exist which will enable the origin of some of these doubtful hybrids to be cleared up, and it is hoped that any such information will be forthcoming.

In order that future records may be as complete as possible, it is hoped that raisers will forward the necessary information respecting their productions, as they reach the flowering stage, accompanied by a flower as a voucher of authenticity, and this remark applies equally to any old hybrid which has been overlooked or omitted, or whose origin has been incorrectly given. If raisers will compare the work with their own private records, and let us know the result, some important information may be elicited, for we have reason to believe that there are hybrids in existence whose origin has never been properly recorded. Hybrids that have not yet reached the flowering stage are outside the scope of the work.

On the opposite page is printed a schedule showing the kind of information required, and it would facilitate the work if raisers will arrange the information forwarded on the same plan.

The information should be addressed to—

The Editor of the ORCHID REVIEW,  
12, Lawn Crescent,  
Kew Gardens,  
London, W.

SCHEDULE FOR INFORMATION RESPECTING ADDITIONAL ORCHID  
HYBRIDS.

- |   |                                |
|---|--------------------------------|
| 1. Seedparent.                                      | 2. Pollen parent.              |
| 3. Name (if any).                                   | 4. Raiser.                     |
| 5. Exhibitor.                                       | 6. Date of first flowering.    |
| 7. Record of publication or<br>exhibition (if any). | 8. Any additional information. |

EXAMPLE:

- |                                      |   |
|--------------------------------------|---|
| 1. <i>Calanthe Masuca.</i>           | 2. <i>Calanthe furcata.</i>                   |
| 3. <i>Calanthe</i> × <i>Dominyi.</i> | 4. Veitch.                                    |
| 5. —————.                            | 6. October, 1856.                             |
| 7. <i>Gard. Chron.</i> 1858, p. 4.   | 8. The first hybrid Orchid raised<br>by hand. |

The above is only intended as a rough guide as to the kind of information desired, and its arrangement. Some of the points may not be known, and others will necessarily in some cases have to be left blank. If, however, there are doubts about the actual parentage, it is hoped, in the interests of accuracy, that this will be pointed out. The exhibitor is not always the actual raiser, and sometimes the latter is not certainly known, but the complete record is desired as often as possible.

The above form is obviously not suitable for corrections and criticisms of existing records, which when necessary we hope to receive.

















