

APPENDIX F.

REPORT

OF THE

CAPTAIN OF POLICE.

REPORT OF THE CAPTAIN OF POLICE.

DEPARTMENT OF PUBLIC PARKS, }
 BUREAU OF POLICE, }
 NEW YORK, 31st March, 1874. }

SALEM H. WALES, ESQ.,

President of the Department of Public Parks:

SIR,—Conformably with your directions, I herewith submit statistics of arrests, lost children and of accidents on the Central Park, for the years of 1872 and 1873.

The whole number of arrests made in 1872 were nearly two to one in comparison with the arrests of 1873, and the greatest variation in that respect appertains to the Central Park, as shown in the following table:

	1872.	1873.
Assault and Battery.....	10	5
Disorderly Conduct.....	301	152
Fast Driving and Riding.....	28	14
Intoxication.....	199	134
Insanity.....	21	1
Picking Pockets.....	—	11
Thieving.....	23	11
Vagrancy.....	27	13
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	609	341
Arrested on Central Park.....	367	150
Arrested on other City Parks.....	242	191

These were disposed of as follows:

Committed for Examination.....	85	32
Committed for Ten Days.....	108	89
Committed for Five Days.....	3	..
Committed to Blackwell's Island.....	50	26
Discharged.....	97	60

Fined by Magistrate \$15.....	1	..
Fined by Magistrate \$10 each.....	37	22
Fined by Magistrate \$5 each.....	2	..
Fined by Magistrate \$3.....	..	1
Fined by Magistrate \$2 each.....	..	2
Let go at Station.....	194	74
Put under Bonds.....	32	32

Lost children that have been returned by park-keepers to their parents on the Parks, taken home or to the Central Office of the Municipal Police Department, numbered 53 in 1872, and 75 in 1873.

There were 91 cases of horses running away on the Central Park during the year of 1872, and 54 during 1873.

Of incidental collisions and breaking down of vehicles collectively, there were 49 occurrences in 1872, and 62 in 1873.

In the Police organization, a reduction in the number of men was made during the years of 1872 and 1873. The organization is nominally composed of "park-keepers" and "gate-keepers," which are uniformed, numbering 84 men in the aggregate, and which is 65 men less than were employed in 1871, when the force numbered 149 men.

Of the present force 9 men have been assigned to duty on the smaller City Parks, and 75 men, including 25 gate-keepers, are performing duty on the Central Park.

In consideration of the extent of territory to be guarded, and on account of the large numbers of people that visit the Parks, an addition to the present force of 14 per cent. would effect a more thorough provision, and thereby, with the general efficiency of the force now existing, under a practical distribution as to utility, greater satisfaction may be obtained.

Respectfully,

HENRY KOSTER,

Captain.

APPENDIX G.

STATEMENT

OF

GIFTS, DEVISES AND BEQUESTS RECEIVED, OTHER
THAN THOSE ACKNOWLEDGED IN THE
REPORT OF THE DIRECTOR OF
THE MENAGERIE.

STATEMENT

In detail of the Gifts, Devises and Bequests, other than those acknowledged in the Report of the Director of the Menagerie, received from May 31st, 1872, to December 31st, 1873, and the names of the persons by whom the same have been so given, devised or bequeathed.

MISCELLANEOUS.

1872.

- April 19. Mr. Andrew R. Leggatt, New York City, 1 lot
Indian curiosities.
- " 26. Mrs. W. W. Havell, Water Valley, Miss., 1 selec-
tion Snakes in alcohol.
- May 23. Dr. Morsely, New York City, specimen Tattoo
Skin.
- " 30. Mr. C. B. Hillhouse, New York City, 1 collec-
tion Birds' Eggs.
- July 29. Mr. Joseph Cousin, Greenpoint, N. Y., 1 piece
Coral.
- November 11. Miss C. C. Talman, New York City, 1 bust of
Abraham Lincoln and pedestal for the same.
- January 9. Mr. George Winter, New York City, 1 stuffed
Owl.
- February 24. Mr. F. S. Webster, Troy, N. Y., 1 prepared
specimen of Red Fox.
- May 13. Mr. Jos. H. Mandeville, Goshen, N. Y., 2 dead
specimens Bittern.

1872.

- June 3. Mr. H. B. Plant, New York City, Vertebrae and Jaw of a Shark.
- August 26. George Bayles, M. D., New York City, 1 American Horned Fish, in Alcohol.

 BOTANICAL.

1872.

- January 24. Mr. W. O. McDonald, New York City, package Seed Royal Lily of India. *Nelumbium Speciosum*.
- February 12. Mr. Leonard Jacob, Mamaroneck, N. Y., 4 packages Seeds.
- " 13. Mr. Henry Herbert, New York City, 25 Plants.
- April 15. Prof. Robert Demcker, New York City; 12 species European Ferns, 12 species Alpine and Herbaceous Plants, 6 species New Holland Plants, 25 species Bedding Plants, 50 Succulent Plants.
- August 17. Mr. Joseph Hanserd, Columbus, Ga., 1 Cotton Plant.
- October 15. S. L. M. Barlow, New York City, 1 large Ficus *Elastica*, 1 *Pandanus Utilis*, 1 *Pittosporum Tobira*, 1 *Musa Sapientum*, 1 Mexican Palm, 1 *Podocarpus Nerifolium*.
- December 6. Mr. Alfred Pell, New York City, 1 Package Seeds (*Primula Japonica*).

1873.

- January 27. Prof. Robert Demcker, New York City, 245 packages Seeds of rare Greenhouse, Hot-house and Hardy Perennial Plants; 150 Tulip Bulbs,

- 1873.
- in 9 botanical sorts; 100 Narcissus, in 11 botanical species; 250 Crocus, in 15 botanical species; 10 specimens of Bromeliaceas, 5 Limodorum Tankervillæ, 50 species Sedum, Sempervivum, Crassula Epiphyllum and 4 varieties of Echeveria; Lomaria Gibba, 12 species hardy Perennial Plants.
- March 28. Mrs. Kate Lefferson, New York City, seeds of Ohio Benanch, or Paw Paw.
- April 2. A. Stephani & Co., New York City, 12 cases various Flower Bulbs.
- June 7. Mr. F. E. Matthew — 1 package Thistle Seed.
- “ 16. Prof. Robert Demcker, New York City, 500 packages Seeds from various countries; 500 packages Seeds of rare Plants, 200 packages Seeds Tropical Ferns, 75 packages Seeds Cucurbitacea, 125 packages Seeds Ornamental Grasses.
- September 27. 12 packages rare East India Seeds.
- November 5. Mr. C. Ludmann, New York City, 1 Agave, 1 Yucca and 2 Cactus.

ANIMALS.

- 1872.
- February 1. Mr. P. J. Faye, New York City, 1 Opossum.
- “ 13. Master H. Steinhardt, New York City, 1 Rabbit.
- “ 17. Masters Jesse, David and Arthur Dovale, Inwood on the Hudson, 1 Pig with eight feet.
- April 1st. Master Thornton N. Motley, New York City, 1 Squirrel Monkey.

- 1872.
- April 15. Richard E. Kunze, M. D., New York City, 1 Salamander.
- “ 17. Mr. T. D. McGaffrey, New York City, 1 Squirrel.
- “ 19. Mrs. Ann Monteith, New York City, 1 Robin.
- “ 25. Mrs. E. B. Seelye, New York City, 1 Setter Dog.
- May 4. Donor not known, 1 White Owl.
- “ 6. Miss Bell M. Hall, New York City, 1 Rabbit.
- “ 10. Mr. W. S. Bigelow, Boston, Mass., 9 Wild Turkey Eggs.
- “ 11. Sergt. M. R. Beam, Central Park Police, 1 White Turkey.
- “ 14. Mr. Jno. J. Pollock, New York City, 1 Turtle.
- June 21. O. H. Richley, M. D., New York City, 1 pair Lop-eared Rabbits.
- July 12. Mr. Benj. Haiens, Elizabeth, N. J., 1 Alligator.
- “ 14. Mr. George J. Wicks, Brooklyn, N. Y., 1 Java Monkey.
- September 7. Mr. E. R. Knapp, New York City, 1 Rain Snake.
- October 1. Mrs. Fowler, New York City, 2 Sea Gulls.
- “ 3. Miss Matilda A. Brownell, New York City, 2 Pigeons.
- “ 8. Mr. Wm. H. Fletcher, New York City, 1 Wild Drake.
- “ 15. Mr. Fred Emmons, New York City, 1 Marmoset.
- “ 28. Mr. Francis Kendrick, New York City, 1 Bantam Cock.
- “ 28. Mr. Victor Meyer, New York City, 4 small Alligators.

1872.

- October 28. Mr. Samuel Hatch, New York City, 1 Red Fox.
 November 1. Master James F. Mahon, New York City, 1
 young Owl.
 " 28. Donor unknown, 1 Black Bear.
 " 28. Mr. Henry Reiche, New York City, 9 English
 Hares.
 December 2. Mr. Serrall A. Dodge, New York City, 1 Horned
 Owl.
 " 16. Mr. Patrick Fitzpatrick, New York City, 1 Fowl.

1873.

- January 27. Mr. F. Van Benschoten, New York City, 1
 Rabbit.
 " 27. Sml. W. Francis, M. D., Newport, R. I., 1 Slug.
 February 24. Mr. John O'Shaughnessey, New York City, 1
 Rabbit.
 March 28. C. B. Holman, M. D., Troy Ala., 1 Pine Lizard.
 " 28. Master C. P. Buchanan, New York City, 1 Rabbit.
 May 13. Misses Emma and Jennie Beach, New York City,
 2 Pea Fowls.
 " 13. Mr. Charles Shultz, New York City, 1 Red-
 breasted Mergaweer.
 " 19. Mrs. Sarah M. Mallory, New York City, 1
 Spotted Deer.
 " 21. Mr. T. R. Proctor, Utica, New York, 1 Red
 Deer.
 June 18. R. E. Kunze, M. D., New York City, 12 Spotted
 Tortoises, 2 Painted Tortoises, 2 Muhlenberge
 Tortoises.
 " 30. Mr. Geo. Bapter, Danville, Vt., 2 Goshawk
 Nestlings.

- 1873.
- July 22. Master Thomas Lesnan, New York City, 1 King Bird.
- August 7. Mr. T. G. Guirmaraes, New York City, 1 Tapir.
- “ 15. R. E. Kunze, M. D., New York City, 22 Painted Turtles.
- “ 25. Mr. Geo. E. Stillwell, New York City, 1 Woodchuck.
- September 11. Mr. R. E. Kunze, New York City, 10 Painted Turtles.
- “ 21. Mr. Geo. Bing, Rochester, N. Y., 1 Pea Fowl.
- November 1. Master Merrit L. Stewart, New York City, 14 Box Turtles.

APPENDIX H.

STATISTICAL TABLES,

COMPILED FROM THE GATE-KEEPERS' RETURNS

OF THE

NUMBER OF VISITORS

ENTERING THE CENTRAL PARK.

TABLE showing the Number of Visits to the Central Park, by each Gate, for each Month during the Year 1872.
ON FOOT.

1872.	Scholar's.	Children's.	Inventor's.	Miner's.	Engineer's.	Artist's.	Artisan's.	Merchant's.	Woman's.	All Saints'.	Boy's.	Farmer's.	TOTALS.
January.....	146,481	23,942	22,984	6,374	2,937	97,437	45,805	81,267	6,765	857	1,084	9,996	446,429
February.....	117,159	21,376	27,526	11,447	2,686	56,846	16,761	41,791	6,255	559	1,801	4,947	309,153
March.....	77,574	17,920	7,409	8,853	1,854	15,422	10,912	16,881	2,307	579	1,992	4,168	165,871
April.....	192,646	35,692	20,582	14,438	4,106	68,803	69,686	63,916	2,656	111	2,309	9,531	484,476
May.....	245,544	42,601	44,592	22,721	5,716	95,079	92,580	124,784	9,110	558	3,292	15,077	701,654
June.....	255,239	101,190	34,385	42,306	7,143	142,244	136,549	148,411	10,316	229	4,203	17,678	899,893
July.....	214,423	70,703	30,583	23,909	9,558	89,463	124,841	109,974	8,873	.....	2,097	6,253	690,681
August.....	206,723	62,296	25,881	29,714	8,045	101,451	111,665	118,099	6,466	62	2,600	9,847	682,879
September.....	206,152	62,970	25,064	22,896	8,030	63,406	63,684	84,658	8,234	50	3,407	6,984	557,535
October.....	142,148	56,018	17,871	15,851	5,698	55,568	67,210	51,981	6,947	.....	1,966	4,197	425,455
November.....	85,789	38,327	15,097	12,023	5,049	27,274	28,237	22,179	3,327	.....	1,508	2,552	241,564
December.....	119,620	26,614	21,758	13,161	2,744	57,188	20,839	44,452	7,054	.....	1,389	5,834	320,583
Totals.....	2,009,500	559,649	293,732	224,195	63,566	870,111	790,769	908,393	78,310	3,004	27,678	97,066	5,925,973

TABLE showing the Number of Visits to the Central Park, by each Gate, for each Month during the Year 1872—(Continued).

ON HORSEBACK.

1872.	Scholar's.	Inventor's.	Miner's.	Engineer's.	Merchant's.	Woman's.	All Saints.	Boy's.	Farmer's.	TOTALS.
January.....	2,388	151	26	277	921	16	7	.....	589	4,375
February.....	1,890	156	32	413	839	14	53	47	699	4,143
March.....	2,065	55	47	268	1,708	117	60	61	307	4,688
April.....	4,990	234	172	528	1,081	41	6	85	661	7,798
May.....	5,698	692	284	618	1,231	109	27	73	1,750	10,482
June.....	3,822	217	254	292	638	80	15	341	746	6,405
July.....	1,575	179	140	326	457	61	.....	32	543	3,363
August.....	1,292	297	165	390	3,754	465	.....	57	271	6,691
September.....	2,913	205	317	474	1,581	103	.....	103	1,014	6,720
October.....	2,873	166	96	202	1,037	66	.....	146	603	5,189
November.....	1,753	44	64	273	799	20	.....	36	313	3,302
December.....	1,178	64	192	130	546	22	.....	19	209	2,360
Totals.....	32,437	2,460	1,789	4,191	14,592	1,114	168	1,060	7,705	65,516

TABLE showing the Number of Visits to the Central Park, by each Gate, for each Month during the Year 1872—(Continued).

CARRIAGES.

1872.	Scholar's.	Inventor's.	Miner's.	Engineer's.	Merchant's.	Woman's.	All Saints'.	Boy's.	Farmer's.	TOTALS.
January.....	92,247	3,746	1,306	11,017	10,212	211	368	42	27,536	155,685
February.....	34,175	3,049	1,860	9,465	6,383	143	295	418	18,735	74,728
March.....	86,558	1,992	1,672	8,062	6,453	88	330	411	28,399	133,967
April.....	60,524	6,784	3,171	12,209	16,722	124	50	597	34,669	134,850
May.....	116,770	6,642	3,092	14,757	19,146	545	208	1,445	83,853	247,058
June.....	82,632	4,039	4,316	10,097	14,251	433	429	1,767	80,005	197,969
July.....	49,417	3,932	3,599	12,419	12,048	570	.....	1,803	40,842	124,630
August.....	42,932	3,045	2,910	12,772	14,098	1,632	28	2,926	36,641	116,984
September.....	51,015	3,214	3,462	13,682	14,030	605	11	1,856	53,304	146,179
October.....	40,224	2,689	2,404	13,022	11,320	513	.....	1,875	42,867	114,914
November.....	22,636	1,820	1,335	7,055	3,629	771	.....	737	28,736	66,719
December.....	15,341	1,057	1,061	5,542	4,367	226	.....	341	25,693	53,628
Totals.....	694,471	42,009	30,788	130,099	141,866	5,861	1,719	14,213	306,280	*1,567,311

* Estimating three persons in each carriage, the total number of persons entering in carriages was 4,701,933.

TABLE showing the Number of Visits to the Central Park, by each Gate, for each Month during the Year 1872 — (Continued).

SLEIGHS.

1872.	Scholar's.	Inventor's.	Miner's.	Engineer's.	Merchant's.	Woman's.	All Saints'.	Boy's.	Farmer's.	TOTALS.
January.....							3			3
February.....	6,922	199	179	1,074	908	13	5	32	2,169	11,421
March.....	34	6	17		4			1	13	95
April.....										
May.....										
June.....										
July.....										
August.....										
September.....										
October.....										
November.....	176	9	4	129	6				378	702
December.....	9,156	302	538	9,766	3,744	10		159	24,044	47,910
Totals.....	16,308	716	738	10,969	4,662	23	7	192	26,524	*60,139

* Estimating three persons in each sleigh, the total number entering in sleighs was 180,417.

TABLE showing the Number of Visits to the Central Park, on Sundays, during the Year 1872.

1872.	ON FOOT.	ON HORSEBACK.	IN CARRIAGES.	IN SLEIGHS.	TOTALS.
Jan. 7th.....	38,826	71	7,494	.....	46,391
“ 13th.....	18,452	140	18,939	.....	37,531
“ 21st.....	42,949	223	32,181	.....	75,353
“ 28th.....	24,873	78	8,214	.....	33,165
Feb. 4th.....	25,927	21	1,392	19,689	47,029
“ 11th.....	17,730	112	9,765	.....	27,607
“ 18th.....	46,485	138	14,283	.....	60,906
“ 25th.....	22,941	150	11,262	.....	34,353
March 3d.....	16,000	100	24,981	.....	41,081
“ 10th.....	730	4	984	.....	1,718
“ 17th.....	3,234	66	4,146	.....	7,446
“ 24th.....	27,703	341	38,625	.....	66,669
“ 31st.....	961	12	645	.....	1,618
April 7th.....	1,241	2	795	.....	2,038
“ 14th.....	61,876	248	22,929	.....	85,053
“ 21st.....	79,256	364	16,557	.....	96,177
“ 28th.....	83,013	289	31,110	.....	114,412
May 5th.....	62,941	293	42,696	.....	105,930
“ 12th.....	75,918	374	54,968	.....	131,261
“ 19th.....	28,950	77	13,452	.....	42,479
“ 26th.....	102,168	579	32,364	.....	135,111
June 2d.....	86,853	656	38,562	.....	126,071
“ 9th.....	91,702	599	35,571	.....	127,872
“ 16th.....	98,764	289	22,410	.....	121,463
“ 23d.....	81,830	234	28,350	.....	110,414
“ 30th.....	72,956	172	18,579	.....	91,707
July 7th.....	65,063	184	13,953	.....	79,200
“ 14th.....	87,669	153	24,853	.....	112,680

TABLE showing the Number of Visits to the Central Park, on Sundays, during the Year 1872.—(Continued.)

1872.	ON FOOT.	ON HORSEBACK.	IN CARRIAGES.	IN SLEIGHS.	TOTALS.
July 21st.....	38,573	101	15,297	.....	53,971
“ 28th.....	62,163	125	17,538	.....	79,826
Aug. 4th.....	36,365	263	11,388	.....	48,016
“ 11th.....	60,882	321	18,552	.....	79,755
“ 18th.....	62,169	188	13,629	.....	75,986
“ 25th.....	68,693	224	15,375	.....	84,292
Sept. 1st.....	54,318	152	19,245	.....	73,715
“ 8th.....	52,640	147	26,715	.....	79,502
“ 15th.....	33,674	622	19,185	.....	53,481
“ 22d.....	63,522	264	30,609	.....	94,395
“ 29th.....	41,636	317	19,029	.....	60,982
Oct. 6th.....	50,800	387	15,999	.....	67,186
“ 13th.....	34,473	216	17,907	.....	52,596
“ 20th.....	46,743	248	19,245	.....	66,236
“ 27th.....	42,805	28	1,716	.....	44,549
Nov. 3d.....	2,433	1	330	.....	2,764
“ 10th.....	34,404	134	19,515	.....	54,053
“ 17th.....	16,442	94	11,925	.....	28,461
“ 24th.....	31,584	162	13,095	.....	44,841
Dec. 1st.....	8,963	37	3,672	5,526	18,198
“ 8th.....	3,276	97	4,611	.....	7,984
“ 15th.....	18,178	171	18,180	.....	36,529
“ 22d.....	31,395	11	3,492	5,772	40,670
“ 29th.....	43,624	31	369	31,089	75,113
Totals.....	2,306,766	10,310	906,684	62,076	3,285,836

TABLE showing the Number of Visits to Central Park on Concert Days during the Year 1872.

1872.	ON FOOT.	ON HORSEBACK.	IN CARRIAGES.	TOTALS.
May 18th.....	21,697	581	23,631	45,909
“ 25th.....	37,700	521	25,737	63,958
June 1st.....	45,600	377	55,038	101,015
“ 8th.....	41,254	227	37,125	78,606
“ 15th.....	52,168	300	48,489	100,957
“ 22d.....	40,869	183	18,999	60,051
“ 29th.....	25,177	142	13,719	39,038
July 4th.....	31,678	98	5,496	37,272
“ 6th.....	40,412	105	15,975	56,492
“ 13th.....	26,899	127	15,459	42,485
“ 20th.....	28,971	120	15,039	44,130
“ 27th.....	36,078	98	14,331	50,507
Aug. 3d.....	29,762	301	12,402	42,465
“ 10th.....	40,298	281	13,272	53,851
“ 17th.....	26,064	241	12,828	39,133
“ 24th.....	31,918	259	12,582	44,759
“ 31st.....	20,714	156	12,576	33,446
Sept. 7th.....	29,958	193	17,319	47,470
“ 14th.....	24,193	376	20,913	45,482
“ 21st.....	32,515	250	23,172	55,937
“ 28th.....	31,117	286	22,818	54,221
Oct. 5th.....	17,216	197	15,213	32,626
“ 12th.....	20,091	277	25,641	46,009
“ 19th.....	13,311	285	17,433	31,029
Nov. 2d.....	17,106	61	4,692	21,859
25 days.....	762,766	6,042	499,899	1,268,707

TABLE showing the Largest and Smallest Number of Visits to the Park, in Winter and Summer respectively, in the Year 1872.

IN WINTER (JANUARY, FEBRUARY, MARCH AND DECEMBER.)		
The largest number of visitors, on foot, on any one day, was.....	46,485	on Sunday, 18th February.
The smallest number of visitors, on foot, on any one day, was.....	81	on Thursday, 26th December.
The largest number of visitors, on horseback, on any one day, was.....	406	on Thursday, 28th March.
The smallest number of visitors, on horseback, on any one day, was.....	0	on Thursday, 26th December.
The largest number of visitors, in carriages, on any one day, was.....	38,625	on Sunday, 24th March.
The smallest number of visitors, in carriages, on any one day, was.....	75	on Thursday, 26th December.
The largest number of visitors, in sleighs, on any one day, was.....	31,089	on Sunday, 29th December.
The smallest number of visitors, in sleighs, on any one day, was.....	60	on Tuesday, 6th February.
The largest number of visitors, of all classes, on any one day, was.....	75,353	on Sunday, 21st January.
The smallest number of visitors, of all classes, on any one day, was.....	399	on Thursday, 26th December.
IN SUMMER (APRIL TO NOVEMBER, INCLUSIVE.)		
The largest number of visitors, on foot, on any one day, was.....	102,168	on Sunday, 26th May.
The smallest number of visitors, on foot, on any one day, was.....	873	on Tuesday, 26th November.
The largest number of visitors, on horseback, on any one day, was.....	656	on Sunday, 2d June.
The smallest number of visitors, on horseback, on any one day, was.....	1	on Sunday 3d November.
The largest number of visitors, in carriages, on any one day, was.....	55,038	on Saturday, 1st June.
The smallest number of visitors, in carriages, on any one day, was.....	324	on Tuesday, 12th November.
The largest number of visitors, of all classes, on any one day, was.....	135,111	on Sunday, 26th May.
The smallest number of visitors, of all classes, on any one day, was.....	1,268	on Tuesday, 12th November.
The total number of visits, in carriages, during the year, was.....	4,701,933	
The total number of visits, in sleighs, during the year, was.....	180,417	
The total number of visits, on horseback, during the year, was.....	65,516	
The total number of visits, on foot, during the year, was.....	5,925,973	
	10,873,839	
The average daily number of visits, of all classes, during the year, was.....	29,792	
The proportion of foot visits to the whole number, was.....	54½	in 100

TABLE showing the Number of Visits to the Central Park, by each Gate, for each Month during the Year 1873.

ON FOOT.

1873.	Scholar's.	Children's.	Inventor's.	Miner's.	Engineer's.	Girl's.	Pioneer's.	Artist's.	Artisan's.	Merchant's.	Woman's.	Hunter's.	Mariner's.	All Saints'.	Boy's.	Farmer's.	Warrior's.	Stranger's.	TOTAL FOR THE MONTH.
January.....	143,623	21,363	22,416	15,163	1,728	.....	.....	54,026	37,326	46,515	27,675	.....	.....	187	2,559	5,518	.....	.....	378,099
February.....	84,674	23,780	12,614	9,638	1,744	.....	.....	38,501	21,822	35,088	4,648	.....	.....	.....	350	5,006	.....	.....	237,865
March.....	91,081	24,812	13,381	15,114	5,150	.....	.....	45,292	28,732	39,343	6,656	.....	.....	.....	648	3,561	.....	2,063	275,853
April.....	131,211	37,340	19,204	14,988	9,162	.....	.....	45,381	31,578	63,859	6,376	.....	.....	.....	1,607	6,676	.....	.....	367,382
May.....	161,128	48,893	22,130	15,074	8,407	.....	.....	67,651	64,485	62,380	8,048	.....	.....	101	2,621	3,955	.....	.....	465,573
June.....	203,755	64,753	28,411	19,854	9,870	.....	3,880	98,449	125,097	87,313	7,248	927	8	582	2,925	5,261	94	.....	657,509
July.....	131,747	49,785	23,030	21,085	8,253	.....	.....	65,193	92,629	87,818	22,445	.....	.....	316	2,355	3,689	1,483	.....	510,755
August.....	201,135	50,874	21,806	18,320	8,230	.....	.....	116,048	118,420	111,637	7,445	.....	.....	403	3,114	4,303	89	.....	661,830
September.....	159,890	51,750	20,348	19,234	7,510	.....	.....	72,094	72,130	93,449	8,497	.....	.....	526	2,753	5,027	548	.....	513,756
October.....	150,190	55,830	17,920	11,248	7,057	.....	.....	67,113	40,250	73,874	6,377	.....	.....	521	3,366	8,472	343	.....	442,561
November.....	57,596	35,925	9,816	8,089	8,057	.....	.....	31,798	24,583	25,368	6,300	.....	25	1,153	3,867	4,658	.....	.....	217,235
December.....	43,248	22,649	8,018	10,873	3,878	69	2,922	11,941	10,908	12,214	2,356	14	271	1,383	4,229	5,229	.....	.....	140,202
Total for the year....	1,559,278	487,754	219,094	179,280	79,061	69	6,802	713,487	667,980	738,858	114,071	941	304	5,172	30,394	61,355	2,557	2,063	4,868,620

TABLE showing the Number of Visits to the Central Park, by each Gate, for each Month during the Year 1873.—(Continued.)

ON HORSEBACK.

1873.	Scholar's.	Inventor's.	Miner's.	Engineer's.	Girl's.	Merchant's.	Woman's.	Mariner's.	All Saints'.	Boy's.	Farmer's.	Warrior's.	TOTAL FOR MONTH.
January.....	688	5	33	256	.....	194	81	.....	2	32	152	.....	1,443
February.....	434	10	31	218	.....	291	6	.....	.....	27	331	.....	1,348
March.....	1,426	54	73	673	.....	741	4	.....	.....	84	474	168	3,697
April.....	4,004	63	125	457	35	1,321	18	.....	155	1,036	266	.....	7,480
May.....	5,831	89	164	317	.....	840	22	31	207	2,469	454	.....	10,424
June.....	4,505	129	160	266	22	580	78	.....	19	126	769	.....	6,654
July.....	1,861	94	115	212	.....	441	57	.....	13	121	451	.....	3,365
August.....	1,482	96	121	238	.....	418	94	.....	18	111	442	.....	3,020
September.....	1,924	84	104	272	1	438	82	.....	22	121	534	.....	3,582
October.....	4,744	120	129	307	.....	664	76	5	5	90	940	109	7,489
November.....	2,996	129	83	357	.....	507	65	.....	37	117	1,040	.....	5,331
December.....	1,448	92	59	239	.....	597	56	.....	42	20	869	.....	3,422
Total for the year.....	31,343	965	1,197	3,812	58	7,032	639	36	520	4,354	6,722	277	76,955

TABLE showing the Number of Visits to the Central Park, by each Gate, for each Month during the Year 1873.--(Continued.)

CARRIAGES.

1873.	Scholar's.	Inventor's.	Miner's.	Engineer's.	Merchant's.	Woman's.	Mariner's.	All Saints'.	Boy's.	Farmer's.	Warrior's.	TOTAL FOR MONTH.
January.....	4,186	516	161	4,050	2,519	31	.....	.....	297	9,248	.....	21,008
February.....	6,853	423	393	4,447	3,414	90	.....	.....	558	15,068	.....	31,276
March.....	19,550	1,367	1,496	14,171	6,363	180	.....	.....	934	35,821	.....	79,882
April.....	44,190	2,072	3,333	13,822	13,055	199	7	.....	1,997	51,873	.....	130,548
May.....	52,923	2,405	2,760	9,787	12,094	303	.....	26	2,561	48,119	2,090	133,068
June.....	63,487	2,812	3,081	14,417	21,530	431	.....	176	3,341	58,098	5,250	172,623
July.....	43,881	2,464	2,242	10,127	17,071	1,036	.....	126	2,515	40,862	.....	120,324
August.....	47,762	2,075	2,102	9,163	12,967	1,260	.....	96	2,653	47,708	.....	125,786
September.....	69,021	2,366	2,299	11,208	15,052	1,517	.....	223	2,848	50,130	.....	154,664
October.....	114,699	2,879	2,496	11,394	12,716	2,141	27	7,243	676	129,877	600	284,748
November.....	49,453	1,588	1,621	13,800	6,059	1,857	.....	205	672	59,029	.....	134,284
December.....	23,832	1,371	1,859	8,146	8,734	1,180	.....	125	364	40,808	.....	86,419
Total for the year.....	539,837	22,338	23,843	124,562	131,574	10,225	34	8,220	19,416	586,641	7,940	*1,474,630

* Estimating three persons in each carriage, the total number entering in carriages was 4,423,890.

TABLE showing the Number of Visits to the Central Park, by each Gate, for each Month, during the Year 1873.—(Continued.)

SLEIGHS.

1873.	Scholar's.	Inventor's.	Miner's.	Engineer's.	Merchant's.	Woman's.	All Saints.	Boy's.	Farmer's.	TOTAL FOR MONTH.
January.....	55,503	2,448	906	18,743	12,667	70	.....	672	88,218	180,227
February.....	11,320	620	705	6,862	5,196	51	.....	310	24,069	49,133
March.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
April.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
August.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
September.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
October.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
November.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
December.....	1,183	136	201	579	2,249	103	9	22	3,056	7,538
Total for the year.....	78,006	3,204	1,812	26,184	20,112	224	9	1,004	115,343	*236,898

* Estimating three persons to each sleigh, the total number entering in sleighs is 710,694.

TABLE showing the Number of Visitors to the Central Park, on Sundays, during the Year 1873.

1873.	ON FOOT.	ON HORSEBACK.	IN CARRIAGES.	IN SLEIGHS.	TOTALS.
Jan. 5th.....	984	2	141	888	2,015
“ 12th.....	52,509	44	1,497	28,797	82,847
“ 19th.....	42,786	8	5,274	6,852	54,920
“ 26th.....	59,557	47	1,074	42,642	103,320
Feb. 2d.....	34,360	28	693	18,627	53,708
“ 9th.....	18,932	115	5,748	.....	24,795
“ 16th.....	315	2	303	840	1,460
“ 23d.....	18,908	26	3,951	5,061	27,946
Mar. 2d.....	23,965	68	5,724	12	29,769
“ 9th.....	50,948	142	14,202	.....	65,292
“ 16th.....	21,602	142	12,243	.....	33,987
“ 23d.....	29,439	196	17,532	.....	47,167
“ 30th.....	30,442	261	15,897	.....	46,600
Apl. 6th.....	21,254	144	12,471	.....	33,869
“ 13th.....	31,280	176	11,073	.....	42,529
“ 20th.....	2,944	189	6,804	.....	9,937
“ 27th.....	43,973	247	20,940	.....	65,160
May 4th.....	82,400	274	25,407	.....	108,081
“ 11th.....	16,679	225	11,811	.....	28,715
“ 18th.....	61,249	335	24,696	.....	86,280
“ 25th.....	46,174	274	23,997	.....	70,445
June 1st.....	66,065	217	21,750	.....	88,032
“ 8th.....	60,268	192	24,015	.....	84,475
“ 15th.....	59,266	241	17,319	.....	76,826
“ 22d.....	30,278	136	13,863	.....	44,277
“ 29th.....	66,407	123	22,104	.....	88,634
July 6th.....	38,074	130	20,481	.....	58,685
“ 13th.....	43,119	106	17,282	.....	60,508

TABLE showing the Number of Visitors to the Central Park, on Sundays, during the Year 1873.—(Continued.)

1873.	ON FOOT.	ON HORSEBACK.	IN CARRIAGES.	IN SLEIGHS.	TOTALS.
July 20th.....	56,224	130	26,982	.....	83,336
“ 27th.....	5,436	35	3,942	.....	9,413
Aug. 3d.....	23,328	91	11,100	.....	34,519
“ 10th.....	75,135	108	19,440	.....	94,683
“ 17th.....	63,914	116	20,172	.....	84,202
“ 24th.....	76,953	118	20,499	.....	97,570
“ 31st.....	40,580	117	18,189	.....	58,886
Sept. 7th.....	45,458	145	21,372	.....	66,975
“ 14th.....	36,744	100	15,648	.....	52,492
“ 21st.....	41,377	141	20,271	.....	61,789
“ 28th.....	50,463	141	28,746	.....	79,350
Oct. 5th.....	56,477	586	62,850	.....	119,913
“ 12th.....	19,597	303	47,529	.....	67,429
“ 19th.....	48,121	269	87,426	.....	135,816
“ 26th.....	43,072	356	64,566	.....	107,994
Nov. 2d.....	25,839	324	22,377	.....	48,540
“ 9th.....	18,181	259	17,604	.....	36,044
“ 16th.....	17,533	320	19,749	.....	37,602
“ 23d.....	15,280	160	19,671	.....	35,111
“ 30th.....	10,816	406	18,963	.....	30,185
Dec. 7th.....	12,647	190	18,348	.....	31,185
“ 14th.....	10,776	203	14,022	.....	25,001
“ 21st.....	15,588	237	18,405	.....	34,230
“ 28th.....	4,215	35	6,621	4,977	15,848
Total.....	1,867,931	8,980	982,785	108,696	2,968,392

TABLE showing the Number of Visitors to the Central Park, on Concert Days, during the Year 1873.

1873.	ON FOOT.	ON HORSEBACK.	IN CARRIAGES.	TOTALS.
May 31st.....	24,309	337	20,202	44,848
June 28th.....	19,752	116	8,475	28,343
July 4th.....	42,308	108	8,757	51,173
“ 5th.....	17,034	148	8,010	25,192
“ 12th.....	21,221	139	13,824	35,184
“ 19th.....	9,915	62	7,392	17,369
“ 26th.....	19,366	76	9,966	29,408
August 2d.....	22,668	127	13,326	36,121
“ 9th.....	28,908	143	16,419	45,470
“ 16th.....	28,002	130	13,113	41,245
“ 23d.....	29,162	164	18,087	47,413
“ 30th.....	25,432	111	16,344	41,887
September 6th.....	26,393	123	15,159	41,675
“ 13th.....	22,668	111	17,340	40,119
“ 20th.....	17,752	143	17,943	35,838
“ 27th.....	22,416	177	19,017	41,610
October 4th.....	15,586	553	33,255	49,394
17 days.....	392,892	2,768	256,629	652,289

TABLE showing the largest and smallest number of visitors to the Park, in winter and in summer respectively, in the year 1873.

WINTER (JANUARY, FEBRUARY, MARCH AND DECEMBER.)		
The largest number of visitors, on foot, on any one day, was.....	59,557	on Sunday, 26th January.
The smallest number of visitors, on foot, on any one day, was.....	315	on Sunday, 16th February.
The largest number of visitors, on horseback, on any one day, was.....	263	on Wednesday, 3d December.
The smallest number of visitors, on horseback, on any one day, was.....	2	on Sunday, 16th February.
The largest number of visitors, in carriages, on any one day, was.....	18,849	on Sunday, 7th December.
The smallest number of visitors, in carriages, on any one day, was.....	303	on Sunday, 16th February.
The largest number of visitors, in sleighs, on any one day, was.....	42,642	on Sunday, 26th January.
The smallest number of visitors, in sleighs, on any one day, was.....	3	on Friday, 26th December.
The largest number of visitors, of all classes, on any one day, was.....	103,320	on Sunday 26th January.
The smallest number of visitors, of all classes, on any one day, was.....	1,460	on Sunday, 16th February.
SUMMER (APRIL TO NOVEMBER, INCLUSIVE.)		
The largest number of visitors, on foot, on any one day, was.....	82,400	on Sunday, 4th May.
The smallest number of visitors, on foot, on any one day, was.....	376	on Sunday, 12th April.
The largest number of visitors, on horseback, on any one day, was.....	586	on Sunday, 5th October.
The smallest number of visitors, on horseback, on any one day, was.....	1	on Saturday, 12th April.
The largest number of visitors, in carriages, on any one day, was.....	87,426	on Sunday, 19th October.
The smallest number of visitors, in carriages, on any one day, was.....	384	on Saturday, 12th April.
The largest number of visitors, of all classes, on any one day, was.....	135,816	on Sunday, 19th October.
The smallest number of visitors, of all classes, on any one day, was.....	761	on Saturday, 12th April.
The total number of visits, in carriages, during the year, was.....	4,423,890	
The total number of visits, in sleighs, during the year, was.....	710,694	
The total number of visits, on horseback, during the year, was.....	56,955	
The total number of visits, on foot, during the year.....	4,868,620	
	<u>10,660,159</u>	
The average daily number of visits, of all classes, was.....	27,592	
The proportion of foot visits to the whole number, was.....	48½ in 100	

TABLE showing the Number of Visitors to the Central Park, for each Month, during the past Eleven Years.

MONTHS.	1863.	1864.	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.
January.....	169,621	809,359	892,474	543,470	991,724	634,368	503,346	358,619	819,254	917,865	983,247
February.....	200,601	305,680	380,159	484,075	251,652	477,999	295,932	354,676	475,302	571,743	480,440
March.....	179,114	301,536	343,578	291,405	261,313	328,475	319,234	397,096	527,262	572,745	519,196
April.....	363,143	372,303	576,955	240,107	686,999	396,437	639,921	621,776	714,235	896,824	766,506
May.....	149,302	607,243	582,280	778,087	615,131	561,822	736,670	808,362	1,136,474	1,453,310	875,201
June.....	504,785	479,135	771,685	879,239	753,589	1,028,156	849,427	970,007	1,117,150	1,500,205	1,182,032
July.....	375,627	1,115,783	914,548	712,995	725,669	765,246	959,123	947,460	1,222,482	1,067,934	875,092
August.....	549,526	439,566	950,638	682,405	614,114	741,519	978,685	842,534	1,141,681	1,040,522	1,042,208
September.....	681,861	507,021	891,918	826,593	766,635	596,203	731,081	1,070,063	1,234,341	1,002,792	981,330
October.....	486,046	452,219	530,000	1,344,181	743,959	711,339	613,395	938,232	1,051,489	775,386	1,303,994
November.....	237,486	373,682	475,968	537,485	374,114	457,008	428,731	696,372	742,543	446,929	625,418
December.....	429,388	365,652	282,936	519,331	442,956	391,226	295,412	623,629	582,198	627,584	425,495
Total for year.....	4,326,500	6,120,179	7,593,139	7,839,373	7,227,855	7,089,798	7,350,957	8,628,826	10,764,411	10,873,839	10,060,159

TABLE showing the Number of Visitors to the Central Park, on Sundays, for each Month, during the past Ten Years.

MONTHS.	1864.	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.
January.....	198,429	166,597	173,971	185,097	218,323	177,195	120,325	170,433	192,440	243,102
February.....	114,502	43,953	100,228	49,987	110,421	96,407	102,605	42,960	169,895	107,909
March.....	111,946	89,951	68,435	112,708	102,923	112,941	79,709	143,646	118,532	222,815
April.....	99,532	191,813	172,602	256,505	110,659	175,059	157,926	291,646	297,680	151,495
May.....	209,176	111,540	237,252	191,464	223,295	194,175	266,894	285,636	414,781	293,521
June.....	126,387	200,172	183,765	202,422	253,681	192,310	289,239	233,435	577,527	382,244
July.....	225,547	266,655	203,771	207,329	167,576	233,040	229,658	366,150	325,677	211,942
August.....	90,033	190,453	201,290	204,694	265,403	313,518	190,140	307,363	288,049	369,860
September.....	90,749	212,184	268,031	258,768	132,411	175,129	244,598	397,073	362,075	260,606
October.....	98,141	190,562	171,685	205,358	196,049	151,252	199,864	341,306	230,567	431,152
November.....	81,296	115,366	109,676	82,484	168,091	117,079	100,088	217,707	130,119	187,482
December.....	110,196	74,134	143,552	86,895	44,333	35,961	101,078	165,142	178,494	106,264
Total for year.....	1,555,934	1,853,380	2,034,258	2,043,711	1,993,165	1,974,066	2,082,124	2,962,497	3,285,836	2,968,392

APPENDIX J.

TABLES

RELATING TO BOATING AND SKATING

AND THE

PROMENADE CONCERTS

IN THE

CENTRAL PARK.

TABLE showing the use of Boats on the Central Park during the Season of 1872.

		CALL BOATS.	PASSAGE BOATS.
Number of passengers served during the week ending	April 20	184	804½
" " " " " "	" 27	544	2,249½
" " " " " "	May 4	725	2,051
" " " " " "	" 11	650	1,768
" " " " " "	" 18	970	3,254
" " " " " "	" 25	768	3,030
" " " " " "	June 1	1,385	3,433
" " " " " "	" 8	1,252½	3,399½
" " " " " "	" 15	1,978½	4,933
" " " " " "	" 22	2,663	4,296½
" " " " " "	" 29	1,607	2,967½
" " " " " "	July 6	1,781½	7,220½
" " " " " "	" 13	1,338	3,452
" " " " " "	" 20	1,676	4,159
" " " " " "	" 27	1,442½	4,130½
" " " " " "	August 3	1,244½	4,559
" " " " " "	" 10	937½	4,547½
" " " " " "	" 17	725½	3,473
" " " " " "	" 24	1,462½	4,873
" " " " " "	" 31	949½	4,903½
" " " " " "	Sept. 7	1,015	3,804½
" " " " " "	" 14	818½	3,318
" " " " " "	" 21	361½	1,749½
" " " " " "	" 28	626½	2,515½
" " " " " "	Oct. 5	235½	1,068
" " " " " "	" 12	424½	1,711½
" " " " " "	" 19	94½	513½
" " " " " "	" 26	159	647
" " " " " "	Nov. 2	189	579
" " " " " "	" 9	15	77
TOTALS.....		28,223½	89,488

TABLE showing the use of Boats on the Central Park during the Season of 1873.

		CALL BOATS.	PASSAGE BOATS.
Number of passengers served during the week ending	May 3	234	875½
" " " " " "	" 10	443	1,612½
" " " " " "	" 17	419½	1,329
" " " " " "	" 24	856	2,864
" " " " " "	" 31	1,511	3,921½
" " " " " "	June 7	2,083	5,072
" " " " " "	" 14	2,042½	4,734½
" " " " " "	" 21	1,872	4,448
" " " " " "	" 28	831	2,849
" " " " " "	July 5	2,061½	6,517
" " " " " "	" 12	2,069½	5,277½
" " " " " "	" 19	1,412	4,686
" " " " " "	" 26	1,855	6,175
" " " " " "	August 2	925½	2,651½
" " " " " "	" 9	1,575½	4,475½
" " " " " "	" 16	1,065	4,365½
" " " " " "	" 23	1,075½	3,121
" " " " " "	" 30	1,505½	6,554½
" " " " " "	Sept. 6	1,184½	4,366
" " " " " "	" 13	823½	3,599
" " " " " "	" 20	579	2,023
" " " " " "	" 27	747	3,203
" " " " " "	Oct. 4	714	2,716
" " " " " "	" 11	747	2,766½
" " " " " "	" 18	340½	1,200½
" " " " " "	" 25	308½	1,425
" " " " " "	Nov. 1	134	448½
" " " " " "	" 8	91	303
" " " " " "	" 15	38	112
TOTALS.....		29,604	94,292

TABLE showing the Days on which there was Skating

1858-59.	1859-60.	1860-61.	1861-62.	1862-63.	1863-64.	1864-65.	1865-66.
1858.	1859.	1860.	1861.	1862.	1863.	1864.	1866.
Dec. 29	Dec. 24	Dec. 14	Dec. 29	Dec. 22	Dec. 11	Dec. 21	Jan. 8
1859.	" 25	" 15	" 30	1863.	" 23	" 22	" 9
Jan. 3	" 26	" 16	" 31	Jan. 20	" 24	" 23	" 10
" 22	" 27	" 18	1862.	Feb. 5	" 25	" 24	" 11
" 23	" 28	1861.	Jan. 1	" 24	" 26	" 25	" 12
" 24	" 29	Jan. 11	" 2	" 25	" 27	" 30	" 15
" 25	" 30	" 12	" 3	" 26	1864.	1865.	" 17
" 26	" 31	" 13	" 4	" 27	Jan. 3	Jan. 2	" 18
" 27	1860.	" 14	" 5	" 28	" 4	" 3	" 19
" 28	Jan. 1	" 18	" 6	" 29	" 6	" 4	" 21
" 29	" 2	" 19	" 7	" 30	" 7	" 5	" 22
" 30	" 3	" 20	" 8	" 31	" 8	" 6	" 23
Feb. 10	" 4	" 21	" 11	" 1	" 9	" 8	" 24
" 11	" 5	" 22	" 14	" 2	" 10	" 9	" 26
" 12	" 6	" 23	" 17	" 3	" 11	" 11	" 27
" 21	" 7	" 26	" 22	" 4	" 12	" 12	" 28
" 22	" 20	" 28	" 23	" 5	" 13	" 13	" 29
" 23	" 27	" 29	" 24	" 6	" 16	" 15	" 30
Mar. 5	" 28	" 30	" 27	" 7	" 17	" 16	" 31
" 6	" 29	" 31	" 28	" 8	" 22	" 17	Feb. 1
	" 30	Feb. 1	" 29	" 9	" 23	" 18	" 2
	" 31	" 4	Feb. 1	" 10	" 23	" 19	" 3
	Feb. 1	" 5	" 2	" 11	" 19	" 20	" 4
	" 2	" 6	" 3	" 12	" 20	" 21	" 5
	" 3	" 7	" 4	" 13	" 21	" 22	" 6
	" 5	" 8	" 5	" 14	" 21	" 24	" 7
	" 8	" 9	" 6	" 15	" 21	" 25	" 17
	" 9	10	" 8	" 16	" 21	" 26	" 18
	" 10	"	" 9	" 17	" 21	" 27	"
	" 11	"	" 10	" 18	" 21	" 28	"
	" 12	"	" 11	" 19	" 21	" 29	"
	" 13	"	" 12	" 20	" 21	" 30	"
	" 14	"	" 13	" 21	" 21	" 31	"
	" 15	"	" 15	" 22	" 21	Feb. 1	"
	" 16	"	" 16	" 23	" 21	" 2	"
	" 17	"	" 17	" 24	" 21	" 3	"
	" 20	"	" 18	" 25	" 21	" 4	"
		"	" 19	" 26	" 21	" 6	"
		"	" 21	" 27	" 21	" 7	"
		"	" 22	" 28	" 21	" 9	"
		"	" 23	" 29	" 21	" 10	"
		"	" 25	" 30	" 21	" 11	"
		"	" 26	" 31	" 21	" 13	"
		"	" 28	" 1	" 21	" 14	"
		"	Mar. 1	" 2	" 21	" 15	"
		"	" 2	" 3	" 21	" 18	"
		"	" 3	" 5	" 21	" 19	"
		"	" 5	" 6	" 21	" 20	"
		"	" 6	" 7	" 21	" 21	"
		"	" 7	" 8	" 21	" 22	"
		"	" 8	"	" 21	" 24	"
Days.. 19	Days . 36	Days.. 27	Days.. 50	Days.. 6	Days.. 24	Days.. 50	Days.. 28

at the Park, since it was opened to the Public in 1858.

1866-67.	1867-68.	1868-69.	1869-70.	1870-71.	1871-72.	1872-73.	1873-74.
1866. Dec. 15	1867. Dec. 17	1868. Dec. 14	1870. Feb. 25	1870. Dec. 26	1871. Dec. 15	1872. Dec. 16	1874. Jan. 20
" 16	" 18	" 15		" 27	" 16	" 17	" 26
" 19	" 19	" 16		" 28	" 17	" 18	" 27
" 20	" 20	" 19		" 29	" 19	" 19	Feb. 2
" 21	" 21	" 20		" 30	" 20	" 21	" 4
" 22	" 24	" 22		" 31	" 21	" 22	" 5
" 26	" 25	" 24		1871. Jan. 1	" 22	" 23	" 6
" 28	" 30	" 25		" 2	" 25	" 24	" 7
" 29	" 31	" 26		" 3	" 28	" 25	" 8
" 30	1868. Jan. 3	" 27		" 4	" 29	" 28	" 9
" 31	" 5	" 28		" 7	" 30	" 29	" 10
1867. Jan. 1	" 6	" 29		" 8	1872. Jan. 2	" 30	" 11
" 2	" 7	" 30		" 9	" 3	1873. Jan. 1	" 12
" 3	" 9	" 31		" 10	" 6	" 2	
" 4	" 10	1869. Jan. 2		" 11	" 7	" 4	
" 5	" 11	" 3		" 12	" 8	" 7	
" 6	" 12	" 6		" 13	" 9	" 8	
" 7	" 13	" 7		" 17	" 10	" 10	
" 8	" 14	" 11		" 18	" 11	" 11	
" 9	" 15	" 13		" 19	" 15	" 12	
" 10	" 16	" 14		" 20	" 16	" 13	
" 11	" 17	" 16		" 21	" 17	" 15	
" 12	" 18	" 17		" 22	" 18	" 19	
" 13	" 19	" 18		" 23	" 19	" 20	
" 14	" 20	" 20		" 24	" 21	" 21	
" 15	" 22	" 21		" 25	" 22	" 23	
" 16	" 23	" 22		" 26	" 23	" 25	
" 19	" 25	" 23		" 27	" 24	" 26	
" 20	" 26	" 24		" 28	" 25	" 28	
" 23	" 28	" 26		" 29	" 26	" 29	
" 24	" 31	" 27		" 30	" 27	" 30	
" 25	Feb. 1	" 28		" 31	" 28	" 31	
" 26	" 2	Feb. 1		Feb. 1	" 30	Feb. 1	
" 27	" 3	" 2		" 3	" 31	" 2	
" 28	" 4	" 5		" 4	Feb. 1	" 3	
" 29	" 5	" 6		" 5	" 2	" 5	
" 30	" 6	" 7		" 6	" 4	" 6	
Feb. 1	" 7	" 8		" 7	" 5	" 7	
" 2	" 8			" 8	" 7	" 8	
	" 10			" 10	" 8	" 9	
	" 11			" 11	" 9	" 10	
	" 12			" 13	" 10	" 11	
	" 13			" 15	" 15	" 14	
	" 14			" 16	" 16	" 15	
	" 15			" 19	" 17	" 18	
	" 16			" 20	" 18	" 20	
	" 17			" 22	" 24	" 22	
	" 18			" 23		" 23	
	" 19					" 24	
	" 20					" 25	
	" 22					" 26	
	" 23					Mar. 1	
	" 24					" 2	
	" 25					" 3	
	" 26					" 4	
	" 28					" 5	
	" 29					" 6	
	Mar. 1					" 7	
	" 4					" 8	
	" 5						
	" 6						
Days.. 39	Days.. 61	Days.. 38	Days.. 1	Days.. 48	Days.. 47	Days.. 59	Days.. 13

TABLE showing the Number of Promenade Concerts in the several Parks during the Year 1872.

		MAY.	JUNE.	JULY.	AUGUST.	SEPT.	OCT.	NOV.	TOTAL IN EACH PARK.
The Battery.....	Tuesdays ...	28	11 18	2 9 16 23 30	6 13 20 27	3 10 24	1		16
Mt. Morris Square.....	Wednesdays..			24	7 14 21 28	4 11 18 25	2		10
Tompkins Square.....	Fridays.....	31	21 28	5 12 19 26	2 9 23 30	6 13 20 27			15
Central Park.....	Saturdays ...	*18 25	1 8 15 22 29	†4 6 13 20 27	3 10 17 24 31	7 14 21 28	5 12 19	‡2	25
Total for each month.....		4	9	15	17	15	5	1	
Total during the year 1872.....									66

* Unveiling of Shakespeare Monument.

† Thursday.

‡ Unveiling of the Scott Monument.

TABLE showing the Number of Promenade Concerts in the several Parks during the Year 1873.

		MAY.	JUNE.	JULY.					AUGUST.				SEPTEMBER.			OCTOBER.	TOTAL IN EACH PARK.		
Tompkins Square.....	Tuesday.....						22		5	19		2	16	30			6		
Mt. Morris Square.....	Thursday.....				10	24		7	21		4				2		6		
Washington Square.....	Tuesday.....					15			12	26		9	23				5		
Madison Square.....	Thursday.....					17	31			28					11	18	25	6	
Central Park.....	Saturday.....	*31	28	†4	5	12	19	26	2	9	16	23	30	6	13	20	27	4	17
Total in each month.....		I	I	II					12				10			5			
Total during the year 1873.....																40			

* Inauguration of the Bethesda Fountain,

† Friday.

TABLE showing the Number and Dates of Concerts

1859.	1860.	1861.	1862.	1863.	1864.	1865.	1866.
July 9	Aug. 25	Aug. 10	June 7	May 30	June 4	June 3	June 2
" 23	Sept. 1	" 17	" 14	June 6	" 11	" 10	" 9
" 30	" 8	" 24	" 21	" 13	" 18	" 17	" 16
Aug. 6	" 15	" 31	" 28	" 20	" 25	" 24	" 23
" 20	" 22	Sept. 7	July 5	" 27	July 2	July 1	" 30
" 27	" 29	" 14	" 12	July 4	" 4	" 4	July 4
Sept. 3	Oct. 13	" 21	" 19	" 11	" 9	" 8	" 7
" 10	" 27	" 28	" 26	" 18	" 16	" 15	" 14
Oct. 1	Nov. 18	Oct. 5	Aug. 2	" 25	" 23	" 29	" 21
" 15		" 12	" 9	Aug. 1	" 30	Aug. 5	" 28
			" 16	" 8	Aug. 6	" 12	Aug. 4
			" 23	" 15	" 13	" 16	" 11
			" 30	" 22	" 20	" 19	" 18
			Sept. 6	" 29	" 27	" 23	" 25
			" 13	Sept. 5	Sept. 3	" 26	Sept. 1
			" 20	" 12	" 10	" 30	" 8
			" 27	" 26	" 17	Sept. 2	" 15
			Oct. 4	Oct. 3	" 24	" 6	" 22
			" 18	" 10	Oct. 1	" 9	" 29
			" 25	" 17	" 8	" 13	Oct. 6
			Nov. 1		" 15	" 16	" 13
					" 22	" 20	" 20
					" 29	" 23	" 27
					Evenings.	" 27	
					July 6	" 30	
					" 13	Oct. 4	
					" 20	" 7	
						" 14	
						" 21	
						" 28	
Days. 10	Days. 9	Days. 10	Days. 21	Days. 20	Days. 26	Days. 30	Days. 23

on the Central Park during the past fifteen years.

1867.	1868.	1869.	1870.	1871.	1872.	1873.
June 8	June 6	May 29	May 21	May 20	May 18	May 31
" 15	" 13	June 5	June 18	" 27	" 25	June 28
" 22	" 20	" 12	" 25	June 3	June 1	July 4
" 29	" 27	" 19	July 2	" 10	" 8	" 5
July 4	July 4	" 26	" 9	" 17	" 15	" 12
" 6	" 11	July 3	" 16	" 24	" 22	" 19
" 13	" 18	" 5	" 23	July 1	" 29	" 26
" 20	" 25	" 10	" 30	" 4	July 4	Aug. 2
" 24	Aug. 1	" 17	Aug. 6	" 8	" 6	" 9
" 27	" 15	" 21	" 13	" 15	" 13	" 16
" 31	" 22	" 28	" 20	" 22	" 20	" 23
Aug. 7	" 29	" 31	" 27	" 29	" 27	" 30
" 14	Sept. 5	Aug. 7	Sept. 3	Aug. 5	Aug. 3	Sept. 6
" 17	" 12	" 11	" 10	" 12	" 10	" 13
" 21	" 19	" 14	" 24	" 19	" 17	" 20
" 24	" 26	" 18	Oct. 1	" 26	" 24	" 27
" 28	Oct. 3	" 21	" 8	Sept. 2	" 31	Oct. 4
" 31	" 10	" 25	" 15	" 9	Sept. 7	
Sept. 4	" 17	" 28	" 22	" 16	" 14	
" 7	" 24	Sept. 1	" 29	" 23	" 21	
" 11	" 31	" 4		" 30	" 28	
" 14		" 11			Oct. 5	
" 18		" 15			" 12	
" 21		" 18			" 19	
" 25		" 25			Nov. 2	
" 28		" 29				
Oct. 2		Oct. 2				
" 9		" 9				
" 12		" 16				
" 16		" 30				
" 19						
" 23						
" 26						
Days... 33	Days.. 21	Days.. 30	Days.. 20	Days.. 21	Days. 25	Days. 17

TABLE showing the Number of Concerts at the smaller Parks, during the past four years.

	1870.	1871.	1872.	1873.
Mt. Morris Square.....	21	18	10	6
Tompkins Square.....	22	16	15	6
Washington Square.....	23	..	..	5
Madison Square.....	20	6	..	6
The Battery.....	19	9	16	..
City Hall Park.....	..	7	..	..
Totals.....	105	56	41	23

APPENDIX J.

REPORT

OF THE

LANDSCAPE ARCHITECT

ON THE

PROPOSED NEW SYSTEM OF WALKS IN THE
SOUTH-EAST QUARTER OF THE
CENTRAL PARK.

REPORT OF THE LANDSCAPE ARCHITECT
ON THE
PROPOSED NEW SYSTEM OF WALKS IN THE SOUTH-
EAST QUARTER OF THE CENTRAL PARK.

DEPARTMENT OF PUBLIC PARKS,
OFFICE OF DESIGN AND SUPERINTENDENCE, }
NEW YORK, 11th December, 1872.

TO THE HON. HENRY G. STEBBINS,

President of the Board.

SIR: On June 19th, the undersigned was requested to report as to the obliteration of a walk leading from the Drive to the Museum, and to suggest a plan in relation to approaches to the Museum from the main Drive.

A great number of visitors entering the Park on Fifty-ninth street, from the Sixth, Seventh and Eighth avenues and, on the west side of the Drive, from Fifth avenue wish to visit the Museum and Menagerie, and a majority of all who do so, both in going and returning, strive to make their way across the Drive at some point between the Scholar's Gate and the Mall. The Drive is here more thronged, horses are more difficult of control, and it is more annoying to drivers to be compelled to pull up to avoid footmen than anywhere else on the Park. Most of these visitors also attempt to cross the Bridle Road, and not a few to follow the Bridle Road, using it as a walk, between the Ball Ground and the Museum, putting themselves in danger and greatly annoying riders. Visitors to the Croquet Grounds and swings on the east side

often take the same courses. The opening of the Lennox Library, the Conservatory and the Art Museum will add to the number; and the need, recognized in the resolution, for some better means of communication from east to west, through the district in question, will not cease with the removal of the Museum and Menagerie.

With the present arrangements, not only is the crossing of the Drive and Ride on the line of walk which it is proposed to obliterate, highly objectionable, but the attempts to cross at other and forbidden points are so frequent, that if half the keepers at any time on the Park were employed to prevent it they could not be entirely successful. As things are, visitors may be seen on any fine day constantly disregarding the rules in this respect, which, both in the minds of visitors and of the officers and keepers of the Park, are thus brought into contempt. The disorder and injury which directly and indirectly results is much to be regretted, and the question of a remedy has had prolonged attention.

The only way in which the present difficulties of communication in this quarter can be adequately overcome is by the introduction of another arched passage across the Drive and Ride. In fact, by no other plan can any essential improvement be secured upon the present objectionable arrangements, until, at least, the Menagerie and Museum shall have been removed.

The line of the present walk leading across the Ride from the Museum offers favorable conditions for an archway, as the required excavation would be wholly in an embankment of earth formed above the natural surface, and the material to be removed would all be needed close at hand in preparing the ascent needed to the arch over the Bridle Road. The map

hereto appended, marked A, shows the position of the arches as thus suggested, and also the new lines of walk which it would be practicable to form in connection with them. Three different routes are suggested for reaching the proposed arch from the entrance walk from the Scholar's Gate; the walk leading from the Sixth avenue entrance along the shore of the pond is extended to the arch and beyond it, so as to give an improved approach to the Mall as well as to the Museum and Menagerie.

By a small foot-bridge at the narrows of the pond, a much more direct line of communication is opened between the Museum and all the southeast parts of the Park and the south entrances on Sixth, Seventh and Eighth avenues. The walks proposed to be formed for this purpose lead across the peninsula and open an interesting district from which the public has hitherto been excluded.

Another sketch (B) shows how the ground now occupied by the Museum and Menagerie Buildings would probably be laid out after their removal, and it will be evident from it that the works now proposed, though especially desirable while those buildings remain, would be a great permanent convenience.

It is proposed to build the arch under the Drive of rough stone. Its estimated cost is \$50,000. It is proposed to cross the Bridle Road with a light span of iron, similar in character to those which have been made over it at other points, and the cost of which has been five to seven thousand dollars. At present rates it is estimated that this work would cost \$10,000.

Respectfully,

FRED. LAW OLMSTED,

Landscape Architect.

APPENDIX K.

REPORT

OF THE

LANDSCAPE ARCHITECT.

ON THE

PRELIMINARY PLANS FOR RIVERSIDE PARK
AND AVENUE.

REPORT OF THE LANDSCAPE ARCHITECT

ON

RIVERSIDE PARK AND AVENUE.

DEPARTMENT OF PUBLIC PARKS,
OFFICE OF DESIGN AND SUPERINTENDENCE,
NEW YORK, 29th March, 1873. }

To the Hon. HENRY G. STEBBINS,

President of the Board :

SIR—The topographical map of the site of the proposed Riverside Park is completed; a model of the ground is nearly prepared, and a series of soundings is now being made to determine certain conditions of the ground to which the plan of the Park must be conformed.

A brief study of the capabilities of the site has led me strongly toward a conclusion on which, if sound, it might be advisable for the Board to recommend immediate legislation. I therefore ask your attention to the following considerations :

The tract of land assigned to the Park is a steep hill side, the upper parts of which will overlook the buildings which are to stand between it and the Hudson river. The Twelfth avenue will bound the Park on the west, and its grade is such for a distance of nearly two miles that an excavation must be made in the foot of the hill from twenty to nearly a hundred feet in depth. The hill being chiefly of earth, the

bank will cave and wash off unless artificially sustained. It would be most economically treated by a retaining wall of moderate height at the bottom and a sloping cut above it.

As the western parts of the tract will thus generally be too steep to admit of the construction of walks except at excessive cost, and will be cut off from the view of the river by buildings, the permanent condition of value of the site as a place of public recreation lies wholly in the higher parts near the eastern boundary.

At the points on the eastern parts where the views will be finest, and which will be most attractive, the natural surface slopes rapidly to the west, and generally a footing for visitors will need to be gained by more or less excavation and embankment.

A walk through the Park would, for example, for the most part be a continuous shelf.

Such a shelf on the side of the Park facing the afternoon sun would be intolerably hot should it not be well shaded.

But trees cannot stand on the slope to the westward of it without cutting off the view, and thus destroying the main element of value of the tract for a public park. The shelf must therefore be wide enough for the trees to stand on the level of the walk.

The eastern boundary of the tract is a highway intended to be formed on the general plan of the city avenues, one hundred feet wide. Following the natural surface as closely as practicable, its grade will be undulating and often disagreeably steep. The grade of Fifth avenue, where it is steepest on Murray Hill, is about as sharp as it is pleasant to drive upon at a trot. This is at the rate of inclination of one in twenty-six. There are a dozen places on the Riverside avenue where

the grade will be considerably steeper than this, and several where it will be steeper than 1 in 16. The value of the avenue as a pleasure drive will be much restricted by this circumstance.

If a walk is formed in the Park, as above indicated, it will have to be laid out generally at an elevation of from ten to thirty feet below that of the avenue, and the heads of trees planted on the same level to shade it, will wholly intercept the view from those parts of the avenue where it would otherwise be finest.

The advantages of the situation for a grand public promenade are thus to be lost as far as Riverside avenue is concerned.

It is then a question how far they can be supplied in the Park.

A driving road and walk, both sufficient for general public accommodation, obviously cannot be formed at any reasonable cost within the Park as at present defined.

Abandoning the drive, a walk twenty-five feet wide might be formed along the highest parts of the hill side, where it would command the view over the Hudson, which would bring it for considerable distances close under the retaining wall of the avenue. Such a walk, if extended three miles, which is the length of the Park site, would accommodate not more than one quarter as many foot visitors as the walks on the Central Park. Overbanked by the avenue, shaded by a single, formal curved line of trees, the steep slope below it generally covered with turf and low shrubs in order to keep the view open, it could neither have a very stately nor yet a picturesque character, and it would be difficult to avoid a monotonous dullness.

Yet it would only have been obtained, as has been shown, at the cost of the finer views which might otherwise have been commanded from the outer sidewalk of the avenue above it.

Regarding the present property of the city in the site of the proposed Park, and in the site of the proposed Avenue as one interest, it would seem to be but feebly used by any such method of dealing with it.

If the bounds of the Park could be extended to the east line of Riverside avenue, with a provision that a highway affording equal public accommodation should be carried through the Park, this might be done, at points especially to which the above objections to the present plan more particularly apply, upon one broad shelf, whereon would be associated ample driving, riding and walking ways; the whole shaded by trees so planted as not to obstruct the view to the westward from any part. With freedom to divide and divert the main drive in whole or part from the eastern boundary where desirable, somewhat easier grades could be obtained. The outer walk would generally follow a bold terrace, the slope below being planted with shrubs so arranged as to shut out of view the buildings and docks, and allow the eye to range over the expanse of the river beyond.

With these conditions it would not be difficult, nor would it take many years to form a really grand promenade of much value to the whole city, having for long distances something of the general character of the Spanish Alamedas, with the great advantage of a prospect of rare extent, great beauty and much variety of interest.

It would not be merely an addition to the existing pleasure grounds of the city but would supply a want which neither

the Central Park nor any other has been designed or can be adapted to meet.

There may possibly be difficulties in the way of carrying out the suggestion which do not at once occur to me, but the advantages it promises are so great that I submit that it ought to have consideration. Work is already beginning on Riverside avenue, and the opportunity will be lost if application is not at once made to the Legislature.

Respectfully,

FRED. LAW OLMSTED,

Landscape Architect.

APPENDIX J.

STATISTICAL REPORT

OF THE

LANDSCAPE ARCHITECT.

STATISTICAL REPORT
OF THE
LANDSCAPE ARCHITECT.

DEPARTMENT OF PUBLIC PARKS,
OFFICE OF DESIGN AND SUPERINTENDENCE,
NEW YORK, 31st December, 1873. }

To the Hon. S. H. WALES,
President of the Board:

SIR:—Accompanying a new reference map of the Central Park, I present:

I. A chronological table of the progress of the Park undertakings, mainly compiled from the minutes and annual reports.

II. A list of the printed documents and papers of the Commissioners of the Central Park and of the Department of Public Parks, chiefly relating to the Central Park, with an indication of their contents.

III. A list of the Commissioners from the organization of the Board in 1857 to the present date, with their terms of office.

IV. Statistics of areas and distances in the Central Park; general and by topographical divisions, and, respectively, of meadow surfaces, of wooded ground, of waters, of carriage-

ways, of ridingways, of walks, of buildings, of seats, and of bridges and arches.

V. Table showing localities and areas of parks and places of New York.

VI. A statistical comparison of the public grounds of New York and of Paris.

VII. A comparison of areas and distances in the Bois de Boulogne, the Bois de Vincennes, Hyde Park and the Central Park.

VIII. Situations and distances of points in the Central Park and other parts of the City of New York.

IX. Quantities of certain works done and materials used in the construction of the Central Park.

X. An index to the trees, shrubs and plants of the Central Park, prepared by Robert Demcker, Landscape Gardener.

1. Deciduous trees and shrubs.
2. Evergreen and "American" plants.
3. Coniferous plants.
4. Perennial and Alpine plants.
5. Exotic and tender plants.

Respectfully,

FRED. LAW OLMSTED,

Landscape Architect.

I.

A Chronological Table of the progress of the Park undertakings, mainly compiled from the Minutes and Annual Reports of the Board.

1849. Mr. A. J. Downing publicly urged the need of a large park for the City.
1850. Mr. Downing visited England and published descriptions of the English public parks.
1851. April. Mayor Kingsland recommended the Common Council to consider the question. A committee of the Common Council reported favorably, and recommended Jones' Wood for the purpose.
- July. Act of the Legislature (ch. 529) providing for a park at Jones' Wood.
- August. Committee of Common Council recommended a change of the site.
1853. July. Act of the Legislature (ch. 616) passed, taking site of the present Central Park, south of 106th street.
- November. Commissioners of Estimate and Assessment appointed under the Act of July.
1855. March. Resolution passed by Common Council, favoring a reduction of the area; vetoed by Mayor Fernando Wood (23d).

1856.

- February. Report of Commissioners of Estimate and Assessment confirmed, and the title of the City to the site of the Central Park, south of 106th street, established.
- May. Mayor Wood and Street Commissioner Taylor appointed by the Common Council a Commission for the management of the Park (19th); Egbert L. Viele appointed Chief Engineer; Washington Irving, Charles P. Briggs, James Phalen and Stewart Brown, appointed Advisory Committee. Topographical Survey of the ground ordered. Special Police appointed.

1857.

- April. Act of Legislature (ch. 771) passed, establishing the Board of Commissioners of Central Park (17th). Board organized. J. E. Cooley, President (30th).
- June. Andrew H. Green elected Treasurer (16th).
- August. Workmen employed to clean the ground of stones and rubbish, and open surface drains; work begun (12th).
- September. Competitive designs for laying out the Park invited by public advertisement; 500 men at work (25th).
- October. Work suspended (27th).
- November. Work resumed (16th).
- December. 1,120 men at work.

1858.

- February. Special Police disbanded. Appointment of 24 Park-keepers (9th).

1858.

- March. Ordinances for the government of the Park adopted (16th).
- April. Competitive designs received (1st); prize awarded (28th).
- May. Plans publicly exhibited 30 days. Work ordered under the prize plan (4th).
- August. 2,000 men at work.
- October. First tree planted in the Park (17th).
- November. 2,600 men at work.
- December. Water let into the lake (7th). First skating on the Park (19th).
- The planting done this year was chiefly on the Mall and in its neighborhood, the East Green and the Ramble.

1859.

- January. First curling on the Park (23d).
- April. Act of Legislature (ch. 101) passed, providing for the extension of the Park to 110th street (15th).
- May. Old Boston Post Road through the Park closed (26th).
- June. The Ramble declared open to public use by advertisement of the Commission (2d); 3,000 men at work.
- July. First Concert in the Park (by private contribution) (9th); first deer presented to the Park; 40 bbls. gunpowder used daily; 3,800 men employed.
- August. Vista Rock Tunnel cut through—work upon it having been continuous for several months, day and night.

1859.

November. $3\frac{1}{2}$ miles of drive declared open to public use; Lake completed; first transverse road open to public use.

December. Construction of the Park south of Seventy-ninth street announced by Commission to be "complete."

During this year ten viaduct arches completed; 7 miles of walk constructed; 10 miles of drainage-pipe laid; 17,300 trees and shrubs planted, including most of the deciduous trees south of Seventy-ninth street; plan prepared for extension to 110th street; average force of laborers employed, 2,977.

1860.

May. Twelve Swans presented to the Park by the City of Hamburg,

June. Committee of State Senate investigated the management of the Park.

September. 2,500 men at work.

October. Casts of the Crawford Sculptures presented to the Park by Mrs. Crawford; 24 Swans presented by Vintners Company of London; 26 Swans presented by Dyers Company of London.

November. Ten Swans presented by the City of Hamburg.

During this year 16,200 trees planted, including most of the deciduous shrubs and evergreen trees south of Seventy-ninth street; average force of laborers employed, 1,328.

1861.

January. Proceedings to acquire title to ground north of 106th street discontinued.

1861.

April. Volunteers quartered in the old arsenal in the Park; regular boat service on the Lake commenced (24th).

June. Proceedings for extension of the Park to 110th street renewed (27th).

At the end of this year, carriage road in public use seven miles; total length of drainage-pipe laid in Park, 62 miles; of water-pipe, 13½ miles. During this year the Fifty-ninth street Mall (previously formed by widening the street on the Park side 40 feet) was planted; enclosing wall of Park commenced on Fifty-ninth street; average force of laborers employed, 650; 52,700 trees and shrubs planted, including winter-drive district and most of the deciduous trees north of Seventy-ninth street and south of 110th street.

1862.

During this year average force of laborers employed, 560; trees and shrubs planted, 74,730; Mount St. Vincent used as an Army Hospital; Music Pavilion erected at the Mall.

1863.

April. Report of Commissioners of Estimate and Assessment in the proceeding to acquire title to land for Central Park north of 106th street, confirmed (21st).

September. Eight Deer presented to the Park by the City of Philadelphia.

During this year average force of laborers employed, 492; the expense of the music during the season

was paid by the Commission, which heretofore had been defrayed by private contribution; number of visitors to the Park, 4,326,500.

1864.

April. Two Regiments of the National Guard illegally paraded in the Park; Manhattan Square annexed to Central Park by Act of the Legislature. (ch. 119.)

During this year English Sparrows were introduced on the Park (7 pairs); 20,000 trees and shrubs planted; average force of laborers employed, 541; number of visitors to the Park, 6,120,179.

1865.

June. Statue of Commerce presented.

December. The Loch completed and filled (15th).

During this year average force of laborers employed, 341; the drive and ride were completed; school-boys were allowed to play ball on the Park, and the building of the enclosing wall was continued to a total of 15,544 feet (say 3 miles); number of visitors to the Park, 7,593,139.

1866.

August. Harlem Meer completed. "Kinderberg," rustic shelter for children, built.

During this year average force of laborers employed, 256; trees and shrubs planted, 17,700; elms planted in Fifth Avenue Mall; number of visitors to the Park, 7,839,373.

1867.

- June. Belvidere commenced.
- October. Bronze of "the tigress" presented (28th); boys play-house commenced; Crawford Collection opened to visitors at Mount St. Vincent.
- During this year average force of laborers employed, 241; the first hot-house erected on the Park, and the meteorological observatory established; number of visitors to the Park, 7,227,855.

1868.

- June. Palæozoic Museum commenced (5th).
- December. Bronze Statue of the Indian Hunter, by J. Q. A. Ward, presented (28th).
- During this year average force of laborers employed, 396; trees and shrubs planted, 6,800; number of visitors to the Park, 7,089,798.

1869.

- February. Bust of Humboldt presented (11th).
- April. Statue of Columbus presented (8th).
- September. Bust of Humboldt inaugurated (14th). Dairy commenced. Merchant's gate commenced.
- November. Movable skating-house at Lake and curling-house at Conservatory water built.
- During this year 12,522 trees and shrubs were planted; the average force of laborers employed was 1,179; the self-registering apparatus at the Observatory was first used; a Museum of Natural History was established in the Arsenal; steam-rollers were first used on

the Park roads; boys play-house first in use; number of visitors to the Park, 7,350,957.

1870.

May. Charter of 1870 (ch. 137) took effect; first meeting of the Board of the Department of Public Parks (3d); Board organized; resolution to remove the offices of the Board to No. 265 Broadway passed (9th).

June. Zoological Gardens ordered to be laid out (7th); day's work reduced to 8 hours in conformity with Act of Legislature (ch. 385, 1870). Carrousel ordered.

September. Ground plan of Conservatory approved, and the foundations ordered to be prepared (7th).

October. "Sheepfold" commenced.

December. Building of the Palæozoic Museum ordered to be discontinued.

During this year "Dairy" opened to use; average force of laborers employed 1,587; number of visitors to the Park, 8,628,826.

1871.

April. Stables and workshops commenced; reorganization of park-keepers' force.

November. Reorganization of the Board (23d); work discontinued on Zoological Gardens, Deer House, Conservatory, &c.

December. Park-keepers force reduced by the discharge of 54 keepers.

During this year average force of laborers employed, 2,970; number of visitors to the Park, 10,764,411.

1872.

- May. Deer House removed.
- October. Carrousel removed to its present location.
- November. Park-keepers' force ordered to be reduced, and extra keepers to be employed from the laboring force (20th).
- During this year number of visitors to the Park, 10,873,839.

1873.

- May. Construction work generally discontinued for lack of funds (15th); Bethesda fountain inaugurated (31st).
- June. Reorganization of the Board under the charter of 1873 (ch. 335); construction work resumed.
- October. Revised system of rules adopted for the regulation of the force of Park-keepers.
- During this year number of visitors to the Park, 10,060,159.

II.

A List of the printed Documents and Papers of the Central Park Commission and of the Department of Public Parks, chiefly relating to the Central Park, with an indication of the contents of each :

No. of
Dec. 1857.

- January 19. Document No. 5 of the Board of Aldermen, containing communication from Fernando Wood, Mayor, and Joseph S. Taylor, Street Commissioner, Commissioners of the Central Park, with a full report of operations, from Engineer in Chief (Vielé); together with an Appendix containing the history of the legislation and the action of the Common Council on the subject of the Central Park.
- 1 May 15. Chap. 771, of 1857, passed April 17th, for the regulation and government of the Central Park.
- 2 May 26. Communication to the Mayor relative to the purchase by the City of New York of the Arsenal building in the Central Park.
- 3 “ Report of the Committee on Buildings relative to the occupancy of land and buildings on the Central Park.
- 4 June 2. Communication to the Common Council asking for appropriation of funds for the improvement of Central Park.

No. of
Doc. 1857.

- 5 July 7. Report of Committee on Roads and Walks recommending the removal of stone walls and surface stones from the Park by contract.
- 6 Sept. 1. Report of the Executive Committee defining the duties of the various officers of the Commission.
- 7 " Ordinance of Common Council to create funds for the improvement of the Central Park.
- 8 Sept. 11. Report of Special Committee on advertising for plans for laying out Park, recommending the offer of four prizes for designs and specifications.
- 9 Sept. 23. Report of Chief Engineer (Vielé) on present operations: enclosing the ground, drainage, manuring, removal of buildings and trees.
- 10 October 6. Report of Superintendent (Olmsted) on a comprehensive plan of drainage for the Central Park.
- 11 October 20. Report of Superintendent (Olmsted) on trees, and recommending the importation and purchase of trees and plants.
- 12 October 30. Report of Committee on Drainage, recommending immediate thorough draining; also Report of Superintendent of Drainage (Waring) on the same subject.
- 13 Nov. 10. Ordinance of the Common Council to provide money for the improvement of the Central Park.

1858.

January 1. First Annual Report for the year 1857.

No. of
Doc. 1858.

- 14 January 5. Report of Chief Engineer (Vielé) on the cost and character of material now being prepared for roadway construction, and on the method of construction.
- 15 March 16. The First Annual Report of the Commission.
- 16 " Report of Chief Engineer (Vielé) on a comprehensive system of drainage ; on location, size, and depth, of drains and estimates of cost.
- 1 May 4. Amendments to the By-Laws.
- 2 May 10. Report of Special Committee relative to the work to be prosecuted forthwith.
- 3 May 17. Report of Superintendent (Olmsted) as to modification of plan No. 33.
- 4 May 13. By-Laws as amended.
- 5 May 31. Report of Architect in Chief (Olmsted) as to certain modifications in the plan proposed by Commissioner Dillon.
- 6 June 17. Report of Architect in Chief (Olmsted), with statement of the force employed and estimates of expenditures required for remainder of the year.
- 7 May 17. Report of Superintendent (Olmsted) on the subject of the construction of certain parts of the work on the Park by contract, recommending materials to be procured by contract, and work to be done by days' work.
- 8 June 17. Report of majority of the Special Committee, that it is not expedient for the work in the Central Park to be done by contract.

No. of
Doc. 1858.

- 9 June 17. Report of minority of Special Committee, recommending that the work of construction generally be done by contract.
- 10 July 15. Review of the two preceding Reports by the President (Green), recommending that the work be carried on as heretofore, and that the Board should not adopt the contract system.
- 11 Sept. 9. Communication of the Architect in Chief (Olmsted) with regard to details of the walks and rides laid out in the Park.
- 12 " 16. Communication of the President (Green) to the Common Council as to the construction of the avenues adjoining the Park; their width, the projections and erections upon them, and their drainage; and recommending the extension of the Park to 110th Street.
- 13 Dec. 9. Ordinance of the Common Council to provide a further sum for the improvement of the Central Park.

1859.

- January 1. Second Annual Report, for the year 1858, with detailed statement of expenditures; description of the plan of the Park; report of the Engineer (Grant) on the evaporation and filtration of water on the Park; statements as to the drainage and analyses of the soils.
- 14 January 14. Communication to the Common Council on the sewerage of the Park.

No. of
Doc. 1859.

- 15 January 14. Communication to the Common Council on the subject of procuring surplus earth from Hamilton square.
- 16 “ Memorial to the Legislature requesting amendments to the law to increase the efficiency of the Commissioners; to make the Board of Commissioners a corporation; to allow the President and Treasurer to receive compensation; to provide additional improvement fund; to provide for the appointment of a police force; to extend the Park to 110th Street; and to widen Seventh avenue from 110th street to Harlem river.
- 17 January 29. Draft of Annual Report to the Common Council.
- 1 July 7. Report of Architect in Chief and Superintendent (Olmsted) upon the changes made in the original plan and their cost.
- 2 July 21. Report of Special Committee upon present expenditure, with estimate of amounts required to complete the present undertakings.
- 3 October 20. By-Laws as amended.
- 4 Dec. 31. Report of Architect in Chief and Superintendent (Olmsted) on his visit to European parks.
- 1860.
- January 2. Third Annual Report, for the year 1859, with Report of the Engineer (Grant), and Statement of the Draining Engineer (Waring).
- 5 March 21. Chap. 85 of 1860, passed 19th March, for the construction, regulation, maintenance and government of Central Park, and to provide additional means therefor.

No. of
Doc. 1860.

- 6 April 26. Report of Architect in Chief (Olmsted) on the subject of the permanent provision of refreshments in the Central Park, recommending the erection of a refectory, the dairy, and other refreshment houses; and also recommending a carriage service.
- 1 May 3. Report of Architect in Chief and Superintendent (Olmsted) on cost of transverse roads.
- 2 May 24. Report of Architect in Chief and Superintendent (Olmsted) on the quantity of brick, sand, cement and lumber required for the remainder of the year.
- 3 June 7. Report of Architect in Chief (Olmsted) of the work expedient to be prosecuted during the remainder of the year.
- 4 July 12. Report of Special Committee on Entrances on Fifty-ninth street, recommending that those on Sixth and Seventh avenues be made the principal entrances architecturally.
- 5 August 30. Opinion of the Counsel to the Corporation on the constitutional validity of the Acts of 1857 and 1860.
- Dec. 31. Fourth Annual Report, for the year 1860, with the opinions of Judges Mitchell and Harris on the application relative to the laying out of the Central Park; report of the Special Committee of the Senate appointed to examine the condition of affairs and progress of the Central Park; ordinances for the government of the Central Park.

No. of
Dec. 1861.

- 6 April 24. Chapter 88 of 1861. Act of the Legislature amending the previous Acts relating to the government of the Central Park, and fixing the term of office of the Commissioners.
- Dec. 31. Fifth Annual Report for the year 1861, with a topographical description of the Central Park and a report on the nomenclature of the gates.

1862.

- 1 April 10. Chapter 46 of 1862. Act authorizing the New York Historical Society to occupy the Arsenal for the purpose of establishing therein a museum of antiquities and science, and a gallery of art.
- 2 " Report of Committee on the nomenclature of the gates of the Park.
- 3 " By-Laws as amended.
- 1 Dec. 23. Communication to Common Council requesting the appropriation of further funds for proceeding with the work in Central Park.
- " 31. Sixth Annual Report for the year 1862, with description of Terrace.

1863.

- 2 Jan. 26. Report of Committee recommending construction of an enclosing wall around the Park.
- 1 May 14. Statement of the Comptroller concerning the finances, the force employed, and the condition and progress of the Park.
- Dec. 31. Seventh Annual Report for the year 1863, with opinion of Judge Ingraham relative to the

No. of
Doc. 1864.

taking of land for the extension of the Park to 110th Street, and a Catalogue of Trees, Shrubs, and Plants, with the months of flowering or fruiting.

- 1 May 12. Chapter 275, of 1864, Act amending the Act of 1859, relative to the widening of Seventh avenue, above 110th street.
- 2 " " Chapter 319, of 1864, Act annexing Manhattan square to the Central Park.
- 3 Nov. 19. Statement from the Comptroller of the Park (Green), relative to the present condition of work, the prosecution of new work and estimate of the cost thereof.
- Dec. 31. Eighth Annual Report for the year 1864, with the First Report relative to the Zoological Collection, and the first statement of the condition of gifts, devises and bequests.

1865.

- 4 Feb. 21. Chapter 26 of 1865. Act for the Improvement, &c., of the Central Park and to provide additional means therefor.
- 1 May 11. Chapter 564, of 1865. Act for the Improvement of part of the City of New York between 110th street and the Harlem river.
- 2 " " Chapter 581, of 1865. Act discontinuing part of Croton Aqueduct and establishing Eighth avenue grade.
- 3 May 10. Report of the Committee on the subject of the appropriation of the Arsenal for the use of the New York Historical Society, rec-

No. of
Dec. 1865.

ommending such appropriation under certain conditions.

4 June 10. Chapter 565, of 1865. Act to provide for laying out the Boulevard and of that part of the island north of 155th street.

Dec. 30. Ninth Annual Report for the year 1865, with statement concerning the Zoological Garden of London; the authorization for the laying of the foundation of the Shakespeare monument; tabular arrangement of the Vertebrata of North America; and a Supplemental Catalogue of Plants in Central Park.

1866.

5 Feb. 26. Report of Committee on the plan for the building for the New York Historical Society on the Park.

6 " " Report of the Comptroller of the Park (Green), relative to the persons in the employ of the Commissioners.

7 Jan. 11. Report of Comptroller of the Park (Green), relative to changing the grade of the Eighth avenue, from Fifty-ninth to Ninety-second street; and the improvement of Sixth and Seventh avenues; also as to the laying out that part of the island above 155th street, and the public drive on the Boulevard.

1 May 3. Chapter 367, of 1866. Act relative to the laying out of Avenue St. Nicholas and Manhattan street.

2 " " Chapter 550, of 1866. First west side act.

No. of
Doc. 1866.

3 May 3. Chapter 632, of 1866. Act establishing Eighth avenue grade.

“ “ Chapter 757, of 1866. Act widening Broadway, between Fifty-seventh and Fifty-ninth streets.

Dec. 31. Tenth Annual Report for the year 1866, with communication of the Comptroller of the Park (Green), relative to laying out the island above One hundred and fifty-fifth street, the Boulevard and other subjects; also description of the design for a zoological garden on Manhattan square.

1867.

5 Feb. 14. Report of the Committee on Site for the Seventh Regiment memorial, recommending a location near the Warrior's Gate.

Dec. 31. Eleventh Annual Report for the year 1867, with the first Meteorological Report, with tables; a circular to school teachers on the advantages of the Park for children; communication and Report of the Comptroller of the Park (Green) on the treatment of the "West Side," with a plan for the same.

1868.

1 May 14. Chapter 288 of 1868. Act approving the pier and bulk-head lines as laid out by the Commissioners.

Dec. 31. Twelfth Annual Report for the year 1868, with correspondence relative to the statue of the Indian Hunter. A list of birds inhabiting the Park. Notes on the educational

No. of
Dec. 1869.

- department of the Park. Correspondence and report on fossil restorations. Communication of the Comptroller of the Park (Green) relative to Westchester county, Harlem river and Spuyten Duyvil creek.
- 1 May 13. Chapter 350, of 1869. Act authorizing the erection of Soldiers and Sailors' monument.
- 2 " " Chapter 595, of 1869. Act authorizing the erection and maintenance of Observatory in the city of New York.
- 3 " " Chapter 826, of 1869. Act for the Improvement of certain parts of Westchester county, Harlem river and Spuyten Duyvil creek.
- 4 June 17. Chapter 890, of 1869. Broadway widening act.
- 5 " " Chapter 689, of 1869. Act to establish a public place at Sixty-third street, Ninth avenue and Boulevard.
- Dec. 31. Thirteenth Annual Report for the year 1869, with correspondence as to the Museum of Natural History. Paper on the watering of roads. Correspondence relative to the Columbus statue and the Humboldt bust. Paper on Park entrances. Correspondence on the subject of a parade ground.

1870.

- April 20. Fourteenth (and last) Report of the Commissioners for the period from 1st January to 20th April, 1870, with the address of the Commissioners to the People of the City and State of New York. Proceedings of the

No. of
Doc. 1870.

- Humboldt Centennial. Communication of the Comptroiler of the Park (Green), on the improvement of Westchester county, &c.
- 1 May 6. Chapter 593, of 1870. Act establishing the grade of Eighth avenue.
- 2 " " Chapter 44, of 1870. Act laying out part of One hundred and thirty-sixth street.
- 3 " " Inventory of property in possession of employes of the Department.
- 4 May 9. Chapter 626, of 1870. Act authorizing the Department to lay out the eastern Boulevard.
- 5 May 19. Report of the Engineer (Kellogg), on completing the Boulevard, so as to furnish a convenient roadway from Fifty-ninth street to One hundred and eighth street.
- 6 May 24. Report of the Comptroller (Van Nort), on the cost of structures in progress on the Central Park.
- 7 " " Chapter 797, of 1870. Passed May 19th, authorizing the Department to lay out and improve Westchester county and the Harlem river. (Repealed, Chapter 534, 1871.)
- 8 " " Report of the Engineer (Kellogg) on construction of enclosing walls of the Central Park.
- 9 May 31. Report of Architect in Chief (Mould) on cost of completing structures in progress.
- 10 " " Report from Landscape Architects (Olmsted & Vaux) relative to the works in progress on their designs.

No. of
Doc. 1870.

- 11 May 31. Correspondence with the American Museum of Natural History relative to the collection of that society in the Arsenal building.
- 12 " " Inventory of tools in the possession of keepers of the Central Park, and in the office of the Architect in Chief.
- 13 Jan. 7. Report of Landscape Architects (Olmsted, Vaux & Co.,) relative to works in progress on their designs.
- 14 " " Clerk's Report on unfinished engagements of the late Board.
- 15 Oct. 4. Report of the Engineer (Kellogg) on the adaptation of the Park to the change of grade of the Eighth avenue.
- 16 Nov. 22. Report of Civil and Topographical Engineer (Grant) on the organization of his bureau and the work in progress.
- 17 " " Estimate of amounts required to complete surveys in Yonkers and West Farms.
- 18 " " Report of Executive Committee as to the grade of Fourth avenue, between Eightieth and Eighty-ninth streets.
- 19 " " Report of Comptroller (Van Nort) submitting list of contributions to the zoological collection.
- 20 Dec. 6. Ordinance of Common Council to create funds for the improvement of Central Park.
- 21 " " Ordinances respecting the uses of streets and avenues within the distance of 350 feet from the boundary of the Central Park.

No. of
Doc. 1871.

- 22 April 8. Chapter 290, of 1871. Act creating Central Park improvement fund; authorizing the appointment of a force of keepers; discontinuing Fort Washington Park and a certain new avenue between Avenue St. Nicholas and the Tenth avenue, and giving exclusive power to the Department to acquire title to streets and avenues, and public places north of Fifty-ninth street.
- 23 " " Chapter 534, of 1871. Act for the improvement of parts of Westchester county, Harlem river, &c.
- 24 " " Chapter 628, of 1871. Act to establish a parade ground in the city of New York.
- 25 " " Communication from Shultz & Walker relative to the sale of the Mineral Spring buildings to the Department.
- 26 " " Report of the Captain of the Park Keepers (Mills) on the number of the force.
- 27 " " Report of the Engineer (Kellogg) on the Battery wall, recommending that it be repaired.
- 28 " " Communication from the Department of Docks as to respective jurisdiction over certain portions of the water front of the city.
- 29 " " Report of Engineer (Kellogg) with surveys, plans and maps of Morningside Park.
- May 1. First Annual Report of the Department of Public Parks for the year ending 1st May, 1871, with a legal history of the Department jurisdiction. Report on the site for

- No. of
Doc. 1871. Zoological and Botanical Garden (Manhattan square). Report on the water supply of lower Westchester county. Specifications for surveys and maps of the Westchester district.
- 30 Nov. 25. Report of the Comptroller of the Department (Van Nort) on condition of accounts and liabilities of the Department, works in progress, with a list of employes.
- 31 Dec. 9. Communication to Supervisor of Westchester county relative to surveys of that county.
- 32 Dec. 12. Report of Surgeons of Park-keepers (Hilton and Nesmith), giving a summary of their work during the year.
- 33 " " Statement of expenditures of the Department from April 20th, 1870, to 22d of November, 1871.
- 1872.
- 34 March 6. Communication from S. B. Parsons in relation to the trees on the Central Park,
- 35 March 27. Communication from Landscape Architects (Olmsted & Vaux) in relation to a review of the plan of Union square, providing an area for public meetings at its north end.
- 36 May 16. Communication from Landscape Architects (Olmsted & Vaux) relative to the communication between the Terrace and Reservoir; and on the deficiency of shade on the drives and walks.
- 37 May 22. Report of a Board of Engineers on concrete pavements.

No. of
Doc. 1872.

- 38 June 19, Chapter 878, of 1872. Act repealing act relative to the improvement of parts of Westchester county, so far as it relates to towns of Eastchester and Westchester.
- 39 July 17. Report of Treasurer (Olmsted), on Wages.
- August 21. Second Annual Report for the year ending 1st May, 1872, with an account of the disaster to the trees in March, 1872, with tables; and two letters from the Landscape Architects (Olmsted & Vaux), reviewing the recent changes and projected changes in the plan of the Central Park.
- 40 Oct. 16. Communication from the President (Olmsted) on location of a parade ground.
- 41 Oct. 24. Communication from the Treasurer (Olmsted), relative to the police and its reform.
- 42 Nov. 20. Report of the Director of the Menagerie (Conklin), of his European tour.

1873.

- 43 March 31. General order for the organization and routine of duty of the keepers' service of the Central Park, and conditions of holding appointments in the force. Observations on the conduct required of the keepers; and ordinances applicable to the ordinary use of the Central Park.
- Supplement containing instructions to extra keepers and night-watchmen.
- 44 June 23. Report of the Landscape Architect (Olmsted), exhibiting the present standing of the princi-

No. of
Doc. 1873.

- pal undertakings of the department under his supervision.
- 45 June 25. Report of the Civil and Topographical Engineer (Grant), relative to the condition of all the works under his direction.
- 46 July 17. Report of the Special Committee on Statues and Monuments, recommending for adoption rules to govern the question of accepting and disposing of them.
- 47 " " Report of the Landscape Architect (Olmsted), on the reason for the changes recently made in the management of the keeper force.
- 48 August 27. Opinion of the Counsel to the Corporation as to the proper method to raise money to defray the expenses of laying out the north end of the island.
- 49 Sept. 10.] Statement of facts connected with the contract of the mason work of the Museum of Natural History, and the opinion of the Counsel to the Corporation on the same.
- 50 Oct. 11. Report of the Landscape Architect (Olmsted), on the improvement of Morningside Park, with a preliminary study of a design for laying out the same, and the estimate of the cost of carrying the same into effect.
- 51 " " Report of the Landscape Architect (Olmsted), on the disposition of the zoological collection of the Department.
- 52 Nov. 20. Communication of Dexter A. Hawkins on the subject of Kingsbridge road.

No. of
Doc. 1873.

- 53 Dec. 3. Report of the President (Wales), on the law relative to the books and documents of the Department, and allowing the inspection of the same by citizens.
- Dec. 31. Third General Report for the period of twenty months, from 1st May, 1872, to 31st December, 1873, with Reports of the Landscape Architect (Olmsted), on the proposed new system of walks in the southeast quarter of the Park and on the preliminary plan for Riverside park and avenue. Chronological table of the progress of the Central Park. List of printed documents, with a synopsis of their contents. Tables of areas of parks and places. List and index of trees, shrubs and plants in the Central Park.

III.

A List of the Commissioners from the organization of the Board in 1857, to the present date (31st December, 1873), with their terms of office:

Robert J. Dillon,	17th April, 1857, to 21st October, 1858.
	24th April, 1870, to 26th November, 1872.
James E. Cooley,	17th April, 1857, to 5th January, 1858.
President.	
Charles H. Russell,	17th April, 1857, to 20th April, 1870.
John F. Butterworth,	17th April, 1857, to 20th April, 1870.
John A. C. Gray,	17th April, 1857, to 3d February, 1862.
Vice-President.	
Waldo Hutchins,	17th April, 1857, to 20th April, 1870.
Thomas C. Fields,	17th April, 1857, to 13th January, 1873.
Secretary.	
Andrew H. Green,	17th April, 1857, to May, 1873.
Pres., Vice-Pres. and Treas.	
Charles W. Elliott,	17th April, 1857, to 7th April, 1860.
Secretary and Treasurer.	
William K. Strong,	17th April, 1857, to 3d February, 1862.
James Hogg,	17th April, 1857, to 21st April, 1859.
August Belmont,	16th March, 1858, to 3d February, 1862.
Henry G. Stebbins,	21st April, 1859, to 20th April, 1870.
Pres., Vice-Pres. and Treas.	22d November, 1871, to 28th May, 1872.
	23d October, 1872. to date.

- Rich'd M. Blatchford, 21st April, 1859, to 20th April, 1870.
 President. 3d December, 1872, to May, 1873.
- Moses H. Grinnell, 19th April, 1860, to 20th April, 1870.
 Vice-President.
- Peter B. Sweeny, 15th April, 1870, to 22d November, 1871.
 President.
- Henry Hilton, 15th April, 1870, to 22d November, 1871.
 Vice-President and Treasurer.
- Frederick E. Church, 22d November, 1871, to May, 1873.
- Fred'k Law Olmsted, 29th May, 1872, to 23d October, 1872.
 President and Treasurer.
- Salem H. Wales, 13th January, 1873, to date.
 President.
- Philip Bissinger, 26th May, 1873, to date.
- David B. Williamson, 16th June, 1873, to date.
 Treasurer.
- Samuel Hall, 21st June, 1873, to date.

IV.

Statistics of Areas and Distances in the Central Park, general and by topographical divisions, and, respectively, of Meadow Surfaces, of Wooded Ground, of Waters, of Carriageways, of Ridingways, of Walks, of Buildings, of Seats and of Bridges and Arches :

The Central Park (exclusive of Manhattan Square) measures, from north to south (Fifty-ninth street to One hundred and Tenth street), 13,464 feet 10 inches,* or 265 feet over two and one-half miles; in breadth, 2,719 feet, or 79 feet over half a mile. The area within these bounds measures 840 acres, of which 152 acres are not part of the Park, viz., 143 acres occupied by the reservoirs of the city water works, and nine acres by the transverse roads (public highways for ordinary street traffic which cross the Park at a lower level than the Park drives). Five acres have also been appropriated to buildings foreign to the purpose of the Park, leaving of ground for rural recreation 683 acres.

Exterior to the bounds of the Park proper, but generally divided from it only by a low parapet, is to be a shaded walk, six and one-sixth miles in length, and from 20 to 40 feet in breath: no part of it is yet in finished condition, but a length of 7,850 feet (a mile and a half) is planted and in use, as shown by the map. Exterior to the Park, but associated with it, there is a public property formerly known as Manhattan square, upon which the buildings of the American Museum of Natural History are to be situated. There are also

* This measurement is to the outer face of the enclosing walls; the length stated in previous reports is the measurement to the boundaries of the Park as acquired by the City.

two small places at the Scholar's and the Merchant's Gates, occupying together 2.40 acres. These several areas, added to that within the boundaries of the Central Park, make a total of contiguous public grounds of 879.18 acres.

MEADOW GROUND.

Of fair meadow surface unbroken by ledges and unshaded by trees, there are six spaces of one acre or more in extent, the whole of such surface on the Park being 55 acres.

Of these spaces there are :

In "the North Meadows".....	19	acres.
In "the Green"	16	"
In "the Ball Ground".....	10	"
In the other three.....	10	"

There are also of small glades and openings in the woody parts, about..... 54 "

WOODED GROUND.

There are covered with woods, groves and shrubbery (including the unfinished parts designed to be planted), the greater part of which is of broken surface, and nearly all, except the narrow wooded borders of the meadows, of inclined surface, about 400 acres.

The number of hardy trees and shrubs and woody vines which have been set out in the Central Park is between four and five hundred thousand, of which 260,000 had been planted before 1865, and 140,000 have been planted since 1870; the latter being chiefly of underwood and trees on border parts of the Park, the grading of which was previously incomplete. The planting between 1864 and 1870 is supposed to have been

about equal to the losses and removals. There are now about 20,000 hardy woody plants in the Park Nursery, chiefly rooted cuttings. During the last three years 50,000 hardy perennial plants have been propagated and planted out on the Park, and 160,000 hardy ferns and common wild plants of the woods and swamps have been collected and planted out upon it.

WATERS.

The total area of water is $43.\frac{259}{1000}$ acres; of which "the Lake" takes $20.\frac{167}{1000}$; "Harlem Meer," $12.\frac{654}{1000}$; "The Pond," $4.\frac{800}{1000}$; "Conservatory Water," $2.\frac{579}{1000}$; "The Pool," $2.\frac{013}{1000}$, and "The Loch," $1.\frac{046}{1000}$.

CARRIAGEWAYS.

The length of carriageway, not including the transverse roads, is $9.\frac{435}{1000}$ miles. Its breadth varies from 60 feet to 15 feet (a short by-road only being less than 30), the average breadth being 54 feet. The area, occupied by the carriageway, including spaces for carriages in waiting, is $51.\frac{615}{1000}$ acres.

RIDINGWAYS.

The length of ridingways is $5.\frac{503}{1000}$ miles; the average breadth, 16.5 feet, and the area $15.\frac{371}{1000}$ acres.

WALKS.

The length of walks is $28.\frac{252}{1000}$ miles; the breadth from 4 to 40 feet; the average breadth being 13 feet, and the area 39.3 acres.

BUILDINGS.

Including offices, shops, &c., there are thirty-one buildings and groups of buildings on the Park. Three of these are old buildings retained for temporary use; twelve are of rustic work,

constructed chiefly of small logs of sassafras and red cedar. With twenty-two archways, the extent of tightly-roofed space available for shelter to the public in showers is 175,000 square feet, which, at the rate of one person to $3\frac{1}{2}$ square feet, will accommodate 50,000 persons: there is one such place of shelter, on an average, in each space of ten acres. They are generally provided with seats and drinking fountains.

There is also of flooring, shaded with vines on trellises, 17,000 square feet.

SEATS.

Outside the walled houses there is seating provided on the Park for 9,550 persons, of which the accommodation for 600 is in the form of fixed seats, generally covered with rustic roofs or vine-covered trellises, and that for 8,950 in the form of iron-framed settees with wooden-slat seats, generally placed in the shade of trees or tents.

BRIDGES AND ARCHES.

There are forty-six bridges, archways and tunnels on the Park, of which twelve carry the Park over the transverse roads, being spans of forty feet, and of the average length of one hundred and nineteen feet, having the character of tunnels, and designed to sustain plantations which will screen the roads below. These (indicated by capital letters on the map) are all constructed of brick and granite (syenite), except one (the tunnel) which is an excavation of rock in place; of the remainder six are of stone, twenty-four of stone and brick, four of stone and iron, three of iron, two of stone and wood, and six of wood. Further particulars are given in the following table:

ARCHWAYS AND BRIDGES.

No.	NAME.	KIND OF MATERIAL.	STYLE OF ARCH.	SPAN OF ARCH.	HEIGHT OF ARCH OR GIRDER ABOVE ROAD, WALKS OF WATER.	LENGTH OF PASS-AGE UNDER.	LENGTH OF BALUS-TRADE.
				Ft. In.	Ft. In.	Ft. In.	Ft. In.
1	Terrace.....	Stone, iron girders.....		29. 0	16. 0		
2	Driprock Arch.....	Stone and brick.....	Elliptical....	24. 0	11. 0	65. 0	79. 8
3	Willowdell Arch..	Stone and brick.....	Segmental ...	14. 0	9.10	47. 6	60. 0
4	Balcony Bridge....	Stone.....	Cycloid.....	27. 0	11. 6	65. 1	100. 0
5	Bow Bridge.....	Abutments stone, bridge iron	Elliptical....	87. 4	9. 6	15. 8	142.10
6	Dalehead Arch	Stone and brick.....	Elliptical....	24. 0	11. 0	80. 0	76.11
7	Denesmouth Arch..	Stone.....	Elliptical....	37. 3	14. 0	47. 0	130. 0
8	Glade Arch.....	Stone and brick.....	Elliptical....	29. 6	10. 0	50. 7	95. 1
9	The Marble Arch..	Stone.....	Segmental ...	15. 4	10. 6	75.11	88. 8 58. 8
10	Bankrock Bridge..	Abutment stone, rustic wood.		55.11	6. 5	14.0	73. 0
11	Green Gap Arch...	Stone and brick.....	Segmental ..	25. 0	13. 3	81. 3	101. 6
12	Trefoil Arch.....	Abutment stone, iron girders.	Circular ... {	19. 3 15.10	11. 9	66. 0	110. 9
13	Greysbot Arch.....	Stone and brick.....	Elliptical....	30. 6	10. 1½	80. 3	100. 2
14	Playmates' Arch...	Stone and brick.....	Elliptical....	17. 8	9.11	66. 0	63. 0
15	Pinebank Arch.....	Abutment stone, bridge iron.	Segmental ...	60. 0	11. 0	15.10	85. 6
16	Dipway Arch.....	Stone and brick.....	Segmental ...	15. 6	11. 7	50. 9	27. 8
17	Winterdale Arch...	Stone and brick.....	Elliptical....	45. 6	12. 3	53. 8	65. 0
18	Riftstone Arch.....	Rustic, stone arch.....	Segmental ...	30. 0	11. 9	35. 0	100. 0
19	Spur-rock Arch....	Cast iron arch.....	Elliptical....	25. 0	12. 6	14. 7	88.10
20	.....	Rustic stone.....	Circular	5. 0	13. 6	9. 0	32. 0
21	Gill Bridge.....	Rustic wood.....		10.10	2. 4	15. 7	21. 5
22	.....	Rustic wood.....		13. 5	5. 4	13. 3	34. 6
23	Greywacke Arch...	Stone and brick.....	Bi-segmental.	18. 3	11. 3	56. 0	31. 0
24	.....	Stone and brick.....	Elliptical....	17. 6	10. 5	68. 0	49. 0
25	Springbanks Arch..	Stone and brick.....	Elliptical....	17. 5	9. 2	71. 0	72. 8
26	The Glen Span.....	Stone and brick.....	Segmental ...	36. 0	11. 6	15. 2	51. 0
27	.....	Iron.....	Segmental ...	38.10	10. 9	14. 3	73. 6
28	.....	Iron.....	Elliptical....	37. 6	13. 0	14. 3	91.10
29	Huddleston Bridge	Rustic stone.....	Elliptical....	22. 0	10. 0	36. 0	52. 6
30	.....	Rustic wood.....					
31	.....	Rustic wood.....					
32	.....	Rustic wood.....					
33	Inscope Arch*.....	Stone and wood.....		14. 0	12. 0	100. 0	36. 0
34	Outset Arch*.....	Iron.....		60. 7	14. 0	17. 2	100. 0

* Ordered.

TRANSVERSE ROAD ARCHWAYS.

No.	KIND OF MATERIAL.	STYLE OF ARCH.	SPAN OF ARCH.	HEIGHT OF ARCH ABOVE ROAD.	LENGTH OF PASS-AGE UNDER.
A	Brick and stone.....	Elliptical	Ft. In. 40. 0	Ft. In. 14. 9	Ft. In. 171. 0
B	do. do.	do.	do. do.	do. do.	130. 0
C	do. do.	do.	do. do.	do. do.	50. 0
D	do. do.	do.	do. do.	do. do.	130. 0
E	do. do.	do.	do. do.	do. do.	156. 0
F	do. do.	do.	do. do.	do. do.	126. 0
G	do. do.	do.	do. do.	do. do.	80. 0
H	do. do.	do.	do. do.	do. do.	112. 0
I	do. do.	do.	do. do.	do. do.	115. 0
J	do. do.	do.	do. do.	do. do.	95. 0
K	do. do.	do.	do. do.	do. do.	145. 0
	Tunnelled rock in place	Circular	do. do.	do. do.	150. 0

V.

TABLE showing the Locality and Areas of the Parks and Places of New York.

NAMES.	LOCALITY.	AREAS.	AREAS, including street spaces surrounding.
		Acres.	Acres.
Abingdon.....	West 12th street and Eighth avenue...	0.202	2.197
	Avenue St. Nicholas and 123d street...	0.072	1.551
	Avenue St. Nicholas and 137th street...	0.038	1.199
Battery.....	Bet. Battery pl., State and Whitehall sts	21.199	27.338
Beach Street.....	Cor. of Beach st. and West Broadway..	0.038	0.996
	Boulevard and 63d street.....	0.344	3.021
	Boulevard and 66th street.....	0.069	2.350
Bowling Green.....	Bet. Broadway and Whitehall street...	0.517	1.836
Canal Street.....	Corner Canal and West streets.....	0.318	2.681
Central Park, with Manhat. Sq. ²	Bet. Fifth & Eighth avs., 59th to 110th st.	858.972	937.682
Christopher Street.....	Corner Bleecker and Christopher sts...	0.139	0.663
City Hall.....	Bet. Broad'y, Chambers st. & Park row..	8.234	13.514
Cooper Institute.....	Cor. of Fourth avenue and 7th street...	0.224	2.891
Duane Street.....	Cor. of Duane and Hudson streets.....	0.108	1.096
Five Points.....	Cor. of Park and Worth streets.....	0.114	0.764
Grand Street.....	Cor. of Grand st. and East Broadway..	0.063	1.041
High Bridge.....	Tenth avenue and 173d street.....	23.380	28.762
Jackson.....	Eighth avenue and 13th street.....	0.227	1.499
Madison.....	Bet. Fifth & Madison av., 23d to 26th sts.	6.840	11.917
Morningside.....	Bet. Ninth & New av., 110th to 123d sts.	31.238	47.848
Mount Morris.....	Bet. 120th and 124th sts., Fifth avenue.	20.174	26.464
	New avenue and 114th street.....	0.018	0.814
Park Avenue.....	Park avenue, from 34th to 40th street...	1.165	5.286
Reservoir.....	Sixth avenue, from 40th to 42d street...	4.775	7.595
Riverside.....	Along Hudson river, from 72d to 129th st.	89.380	177.860
Sixth Avenue.....	Sixth avenue, 32d and 35th streets.....	0.186	3.796
Stuyvesant.....	Second avenue, 15th to 17th street.....	4.229	7.284
Tompkin's.....	Avenue A to B, bet. 7th and 10th sts...	10.508	14.568
Union.....	Bet. Broad'y & Fourth av., 14th to 17th st.	3.483	10.712
Washington.....	Bet. Fourth st. and Waverly pl., Worth and McDougal.....	8.115	13.657
Total of all parks.....		1,094.020	1,358.782
Central Park.....		858.972	937.682
Riverside Park.....		89.380	177.860
Morningside Park.....		31.238	47.848
Small parks.....		114.430	195.392
		1,094.020	1,358.782

* See p. 338.

VI.

A Statistical Comparison of Public Grounds for New York and for Paris.

The area of New York as now laid out and in process of laying out in streets and town lots, under the Department of Public Parks, including the recent annexation from Westchester county, is about forty-two square miles. The area of Paris, as similarly laid out, within the line of its defensive works, is about twenty-eight square miles.

The small parks and places, each over an acre in extent, within the walls of Paris, have a total area of about 250 acres. Adding the two nearest and most frequented of the great suburban parks, viz., the Bois de Boulogne and the Bois de Vincennes, but not including the pleasure grounds of Versailles, St. Cloud and many others without, nor numerous promenades in the form of avenues and double and quadruple avenues within the walls, there are open and conveniently situated for the daily use of the people of Paris 4,565 acres of public parks.

The small parks and places of New York, and reservations for the same, (under thirty and over one acre in extent) have together an area of 112 acres. With the Central and the proposed Riverside and Morningside Parks, this forms a total area of 1,094 acres, being at the rate of $23\frac{1}{2}$ acres to the square mile; the rate of Paris being 163 acres to the square mile.

There are no suburban parks for New York corresponding to those at Versailles, St. Cloud, Meudon, Fontainebleau, &c.

The extent of pleasure drives in the public parks and grounds of Paris, not including Versailles and other distant suburban parks, is 87 linear miles, being about three to each square mile of city. The extent of such drives in the public parks of New York is $9\frac{1}{4}$ miles, being less than one-quarter of a linear mile to the square mile of city.

The length of shaded boulevards and grand avenues, intended and adapted, by borders of trees and shrubbery, seats, walks, or character of pavement, special arrangements in lighting, and occasional decorations, to serve as recreative promenades as well as streets, is in Paris 117 miles. In New York there are of "boulevards," partly prepared with a partially similar intention, 8 miles.

Total of pleasure drives for Paris, as above defined, 204 miles.

Total of pleasure drives for New York, as above defined, 17 miles.

The drives, ridingways, and walks of the Central Park are generally wider than those of the Paris parks, the larger part of the drives being from 45 to 50 feet, the ridingways 25 to 30 feet, and the walks 12 to 16 feet, while in the Bois de Boulogne the larger part of the drives are less than 40 feet, the ridingways 12 to 17 feet, and of walks 8 to 12 feet. The widest carriageway in the Bois de Boulogne, except on the routes for general traffic passing through it, is 48 feet wide; the widest on the Central Park 60 feet.

VII.

A Tabular Comparison of Areas and Distances in the Central Park, Bois de Boulogne, Bois de Vincennes and Hyde Park.

	BOIS DE BOULOGNE.		BOIS DE VINCENNES.		HYDE PARK (WITH KENSINGTON GAR).		CENTRAL PARK.	
	Acres	Percentage of Total Area.	Acres	Percentage of Total Area.	Acres	Percentage of Total Area.	Acres	Percentage of Total Area.
Total area.....	Acres...2,290*		Acres...2,225†		Acres...654‡		Acres...683§	
Drives, length.....	Miles...36.				Miles...4.42		Miles...9.05	
Rides, do.	do. ...7.2				do. ...1.68		do. ...5.5	
Walks, do.	do. ...15.5				do. ...28.03		do. ...28.25	
Public drives, rides and walks, not including race course)	Acres...285.33	13.65	do. ...182.75	8.21	Acres...104.35	15.8	Acres...105.	15.25
Woods,.....	do. ...1,009.	48.27	do. ...812.	36.50	do. ...242.62	37.1	do. ...400.	58.17
Unshaded turf.....	do. ...674.	32.25	do. ...731.	32.76	do. ...256.84	39.4	do. ...109.	15.85
Exposed rock.....							do. ...24.	3.5
Standing and running waters.....	do. ...75.5	3.6	do. ...59.25	2.66	do. ...48.93	7.5	do. ...44.	6.4

* Including the race course of Longchamps, (195 acres); the zoological ground, (50 acres); and amusement gardens, leased, (21 acres).

† Including the race course, (193.33 acres); the amusement gardens, leased, (440 acres); and the ground for military exercises, (486.25 acres), but not the barracks, etc.

‡ Not including the palace, barracks and other military premises.

§ Not including the City Water Works, the sunken roads and the Museum premises.

VIII.

*Situations and Distances of Points in the Central Park and other parts
of the City of New York.*

	MILES.
1. The length of the City of New York, from its extreme northern end at Yonkers to its extreme southern end at Whitehall pier is.....	16.02
2. The length of Manhattan Island from north to south is.....	13.63
3. The centre of the line from the extreme north to the south of the city is at a point between One hundred and fifteenth and One hundred and sixteenth streets, near Sixth avenue.	
4. The centre of the line from north to south of Manhattan Island is at a point 560 feet north of the northern line of the Transverse road, No. 3, Central Park, and 1,300 feet in the continuation of the north side of Eighty-ninth street from Eighth avenue.	
5. The centre of population (1874) is at Washington statue in Union square.	
6. The centre point of the Central Park is at a point 60 feet east of the line M, and 25 feet north of line 67, of the map herewith published.	

	MILES.
7. Its bearing and distance from the centre of the city is $32^{\circ} 30'$ southwest.....	$1 \frac{4.9.6}{1000}$
8. Its bearing and distance from the centre of the is- land, $25^{\circ} 36'$ southwest.....	$0 \frac{2.4.2}{1000}$
9. Its bearing and distance from the present centre of population, $23^{\circ} 5'$ northeast.....	$3 \frac{6.7.4}{1000}$
10. Distance between Central Park and Madison square,	$2 \frac{0.6.3}{1000}$
11. Distance between Central Park and Union square,	$2 \frac{5.1.5}{1000}$
12. Distance between Central Park and City Hall Park,	$4 \frac{3.1.7}{1000}$
13. Distance between Central Park and Battery.....	$5 \frac{0.9.3}{1000}$
14. Distance between Central Park and Harlem river, <i>via</i> Eighth avenue.....	$2 \frac{2.5.4}{1000}$
15. Distance between Central Park and King's Bridge, <i>via</i> Avenue St. Nicholas and Kingsbridge road,	$6 \frac{3.0.3}{1000}$
16. Distance between Central Park and centre of pop- ulation.....	$2 \frac{7.1.9}{1000}$

IX.

Statement of the Quantity of certain Classes of Work done and of Materials used in the Construction of the Central Park, exclusive of Operations on the General Water Works of the City.

The quantity of material handled in grading, fertilizing and building has been four millions, eight hundred and twenty-five thousand (4,825,000) cubic yards, or nearly ten millions of ordinary city one-horse cart-loads, which, in single file, would make a procession thirty thousand (30,000) miles in length. Of the above amount 4,140,000 cubic yards were of the original ground material of the Park, and the change in place of this has been equal to the lifting and re-arrangement of all the ground to a depth of three and three-quarters ($3\frac{3}{4}$) feet; four hundred and seventy-six thousand (476,000) cubic yards of rock (besides small boulders) have been excavated, removed and reset, and, in the blasting out of this quantity, twenty thousand eight hundred (20,800) barrels (25 lbs. each) of gunpowder have been used.

Two hundred and seventy-two thousand (272,000) cubic yards of masonry have been laid, chiefly of first-class building stone, one-third of it in curved work. More than half the stone has been quarried on the Park. All the masonry laid is equal to

twenty-seven (27) miles in length of ordinary four-story house front, sixteen inches thick. The larger part of it is either under ground or below the level of the eye and concealed from observation.

One hundred and fourteen (114) miles of subterranean channels have been laid in the Park, of which thirty-three (33) miles consists of close-jointed sewer pipe, and nineteen (19) miles of metallic pipe, the remaining sixty-two (62) miles being nearly all cylindrical earthenware tile laid with collars. Over ten miles of curbing has been set on curves, vertical and horizontal, of constantly varying radius. In the study of the plans and for the guidance of the operations fourteen thousand (14,000) drawings (maps, tracings and copies included) have been prepared, and a million and a half stakes set.

X.

A LIST OF CERTAIN CLASSES OF PLANTS ON THE CENTRAL PARK IN 1873, PREPARED BY ROBERT DEMCKER, LANDSCAPE ARCHITECT.

- | | |
|-------------------------------------|---------------------------------|
| 1. DECIDUOUS TREES AND SHRUBS. | 3. CONIFEROUS PLANTS. |
| 2. EVERGREEN AND "AMERICAN" PLANTS. | 4. PERENNIAL AND ALPINE PLANTS. |
| 5. EXOTIC AND TENDER PLANTS. | |

1.—*Deciduous Trees and Shrubs growing exposed on the Park in 1873, with an indication of the locality in which a specimen of each may be found.*

[NOTE.—Those marked with an * have not proved hardy. W. L. F., 1875.]

	A. POLYPETALÆ. LEGUMINOSÆ (Papilionaceæ).	LOCALITY. (Reference to Map.)
1	<i>Acacia Farnesiana</i> . * Rogl.	188 V, 107 V.
2	<i>Gymnocladus Canadensis</i> . Lam.	4 G, 20 P, 43 R, 67 R.
3	<i>Gleditsia tinctoria</i> . Mchx. (Virgilia)	106 V.
4	<i>Gleditsia triacanthos</i> . L.	7 Z ¹ , 6 O, 28 B, 105 V.
5	“ <i>horrida</i> , Hort.	120 W.
6	“ <i>inermis</i> Mill.	7 O, 120 V, 69 S.
7	<i>Sophora Japonica</i> . L.	49 R, 68 V, 125 V.
8	“ “ <i>pendula</i> . Hort.	120 U.
9	<i>Cercis siliquastrum</i> . L.	118 W.
10	“ <i>Canadensis</i> . Willd.	2 O, 19 V, 130 Z ¹ , 125 V.
11	“ <i>Chinensis</i> . Bge. (Japonica)	118 U.
12	<i>Laburnum vulgare</i> . Gris. (Cytisus)	3 J, 3 T, 114 T, 46 P.
13	“ “ <i>quercifolium</i> . Hort.	120 W.
14	“ “ <i>Adami</i> . Hort.	119 W.
15	“ <i>alpinum</i> . Mill.	119 W, 46 N, 41 K.
16	“ <i>nigricans</i> . L.	118 X, 34 Q, 33 O.
17	“ <i>sessilifolium</i> . L.	118 X, 122 V, 116 U.
18	<i>Cytisus austriacus</i> . L.	25 U, 116 V.
19	“ <i>hirsutus</i> . L.	34 Q, 33 O.
20	“ <i>purpureus</i> . Scop.	118 X, 34 O, 33 O.

DECIDUOUS TREES AND SHRUBS—(Continued).

A. POLYPETALÆ.		LOCALITY.
LEGUMINOSÆ (Papilionaceæ).		(Reference to Map.)
21	<i>Cytisus triflorus</i> . L'Her.....	43 S, 43 P.
22	<i>Spartium Scoparium</i> . L.....	91 E, 91 F, 118 V.
23	“ <i>juncum</i> .* L.....	92 E, 92 F, 118 V, 31 N.
24	<i>Genista tinctoria</i> . L.....	118 U, 31 N.
25	<i>Halimodendron argenteum</i> . D. C.....	119 X.
26	<i>Caragana arborescens</i> . Lam.....	2 H.
27	“ <i>microphylla</i> . Lam.....	119 V.
28	“ <i>frutescens</i> . L.....	44 L, 50 F.
29	“ <i>Chamlagu</i> . Lam.....	119 W.
30	“ <i>jubata</i> . Pall.....	119 W.
31	<i>Robinia Pseudacacia</i> . L.....	41 P, 69 V, 133 O.
32	“ <i>glutinosa</i> . Sims.....	17 W, 44 P, 44 Q, 44 R.
33	“ <i>hispida</i> . L.....	17 Y.
34	“ <i>inermis</i> . Hort.....	120 U, 41 P.
35	<i>Wistaria frutescens</i> . L.....	4 P, 48 O.
36	“ <i>sinensis</i> . D. C.....	118 Q, 118 S, 48 O.
37	<i>Colutea arborescens</i> . L.....	15 C, 99 V, 107 W.
38	<i>Indigofera Dosua</i> .* Fr. Ham.....	118 X.
39	<i>Amorpha fruticosa</i> . L.....	16 G, 27 E, 130 O.
40	“ <i>nana</i> . Nutt.....	109 U, 102 Q.
41	“ <i>canescens</i> . Nutt.....	49 Y, 109 U, 134 X.
42	<i>Coronilla Emerus</i> . L.....	117 U.
DRUPACEÆ.		
43	<i>Amygdalus nana</i> . L.....	31 R, 30 K, 115 U, 116 U.
44	<i>Persica vulgaris</i> . Fl. pl. Mill.....	119 W.
45	<i>Prunus triloba</i> . Lind. (<i>Amygdalopsis</i>).....	119 Y.
46	“ <i>spinosa</i> . L.....	113 U.
47	“ <i>Americana</i> . Marsh.....	118 X, 46 W, 124 X.

DECIDUOUS TREES AND SHRUBS—(Continued).

A. POLYPETALÆ.		LOCALITY.
DRUPACEÆ.		(Reference to Map.)
48	<i>Prunus maritima</i> . Wangenh.....	118 V, 44 W.
49	“ <i>Sinensis</i> . Fl. pl. Person.....	45 R, 48 L, 131 N.
50	“ <i>Mahaleb</i> . L.....	9 M, 117 X.
51	“ <i>Pennsylvanica</i> . L.....	42 R, 41 T, 40 P.
52	“ <i>Padus</i> . L.....	52 K, 111 V.
53	“ <i>Virginiana</i> . L.....	18 N, 112 T, 48 P.
54	“ <i>serotina</i> . Ehrh.....	2 L, 112 T, 48 P, 52 K.
POMACEÆ.		
55	<i>Cratægus pirifolia</i> . Desf.....	71 H, 114 X.
56	“ <i>tomentosa</i> . Dur.....	71 H.
57	“ <i>microcarpa</i> . Lindl. (<i>ferox</i>).....	119 X, 49 P, 51 F.
58	“ <i>cordata</i> . Ait. (<i>Mespilus acerifolia</i> Poir.)	72 H, 114 X.
59	“ <i>Crus-galli</i> . Ait. (<i>lucida</i>).....	3 R, 32 M.
60	“ <i>linearis</i> . Pers.....	119 V, 124 Y.
61	“ <i>sanguinea</i> . Pall.....	70 Z.
62	“ <i>horrida</i> . Hort.....	119 X.
63	“ <i>corallina</i> . Loud.....	58 E, 51 F.
64	“ <i>monogyna</i> . Pall.....	71 H.
65	“ <i>Oxyacantha</i> . L.....	3 K, 111 H and I, 112 J.
66	“ “ Florc. pl. Hort.....	71 H, 72 H, 34 O.
67	“ “ <i>tanacetifolia</i> . Poir.....	125 W.
68	“ “ <i>splendens</i> . Hort.....	72 H, 33 O.
69	<i>Cotoneaster frigida</i> . Wall.....	115 W, 27 S.
70	<i>Amelanchier rotundifolia</i> . Lam.....	24 Z, 129 O.
71	“ <i>Canadensis</i> . L.....	46 Q, 49 R, 125 W.
72	“ <i>spicata</i> . Lam.....	105 F, 126 V.
73	<i>Sorbus Aucuparia</i> . L.....	7 Z, 55 W, 133 L.
74	“ <i>Americana</i> . Willd.....	115 X, 50 X, 133 G.

DECIDUOUS TREES AND SHRUBS—(Continued).

A. POLYPETALÆ.		LOCALITY.
POMACEÆ.		(Reference to Map.)
75	<i>Sorbus Aria.</i> L.....	115 X.
76	“ <i>nana.</i> Hort.....	119 Y.
77	<i>Pyrus spectabilis.</i> Ait.....	11 C.
78	“ <i>Toniso.</i> Sieb.....	117 Y.
79	“ <i>floribunda.</i> Hort.....	118 Y, 132 F.
80	<i>Cydonia sinensis.</i> Thouin.....	16 Q, 49, 51 W.
81	“ <i>Japonica.</i> Thunberg.....	3 L, 30 K, 51 X.
ROSACEÆ.		
82	<i>Rosa lutea.</i> Mill.....	31 R, 32 S, 118 U, 34 O.
83	“ <i>spinosissima.</i> L.....	118 Y.
84	“ <i>Cinnamomea.</i> L.....	66 R.
85	“ <i>Boursantlis.</i> Hort.....	131 G.
86	“ <i>Carolina.</i> L. (<i>pennsylvanica</i>).....	65 R.
87	“ <i>rubifolia.</i> Willd.....	131 G.
88	“ <i>gallica.</i> L.....	118 W, 36 R, 35 Q, 57 S.
89	“ <i>canina.</i> L.....	30 K, 110 K.
90	“ <i>rubiginosa.</i> L.....	111 K, 112 L, 115 I.
91	“ <i>setigera.</i> Michx.....	119 W.
92	“ “ <i>hybrida.</i> Hort.....	119 W, 33 W, 41 R.
93	“ <i>chinensis.</i> Jacq.....	118 W.
94	<i>Rubus odoratus.</i> L.....	131 H.
95	“ <i>occidentalis.</i>	131 G, 127 U.
96	“ <i>leucodermis.</i> Dougl.....	118 U, 45 M.
97	“ <i>spectabilis.</i> Pursh.....	94 Y, 99 V, 131 G.
98	“ <i>villosus.</i> Ait.....	116 G, 113 K, 127 U.
99	“ <i>trivialis.</i> Mchx.....	114 X, 109 X, 129 .
100	<i>Potentilla fruticosa.</i> L.....	31 U, 31 T, 32 T.
101	<i>Kerria japonica.</i> D. C.....	28 D, 46 P.

DECIDUOUS TREES AND SHRUBS—(Continued).

A. POLYPETALÆ.		LOCALITY.
ROSACEÆ.		(Reference to Map.)
102	<i>Exochorda grandiflora.</i> Lindl.....	117 Y, 118 V, 131 N.
103	<i>Spiræa sorbifolia.</i> L.....	90 Z ¹ , 49 R, 47 L.
104	“ <i>opulifolia.</i> L.....	10 K, 14 C, 29 E.
105	“ <i>ariaefolia.</i> Sm.....	28 R, 26 B, 27 L.
106	“ <i>salicifolia.</i> L.....	119, 120 N, 63 G.
107	“ “ <i>rubra grandiflora.</i> Hort.....	120 R, 33 Q.
108	“ <i>carpinifolia.</i> Willd.....	125 V, 39 P.
109	“ <i>Douglasii.</i> Hook.....	123 V, 124 W.
110	“ <i>tomentosa.</i> L.....	122 Q, 51 F.
111	“ <i>laevigata.</i> L.....	119 T.
112	“ <i>ulmifolia.</i> Scop.....	39 P, 108 T, 131 N.
113	“ <i>confusa.</i> Regl.....	123 X, 124 W, 132 N.
114	“ <i>crenata.</i> L.....	45 R, 129 O.
115	“ <i>Thunbergii.</i> Bl.....	27 S, 41 S, 41 M.
116	“ <i>hypericifolia.</i> L.....	33 Q, 53 F.
117	“ <i>prunifolia.</i> S. et Z.....	28 M, 14 O, 26 Z ¹ , 15 G.
118	“ <i>trilobata.</i> L.....	45 R, 40 L, 128 R.
119	“ <i>callosa.</i> Thunb.....	29 K, 31 Q, 107 T.
120	“ <i>bella.</i> Sims.....	49 R, 103 S.
121	“ <i>Reevesiana.</i> Lindl.....	32 T, 38 S, 46 N, 53 E.
SANIFRAGINEÆ.		
122	<i>Philadelphus coronarius.</i> L.....	6 T, 30 H, 129 O.
123	“ <i>speciosus.</i> Lindl.....	45 R, 99 X, 115 V.
124	“ <i>gordonianus.</i> Lindl.....	9 U, 124 X.
125	“ <i>nanus.</i> Mill.....	33 H.
126	<i>Deutzia crenata.</i> S. et Z.....	41 S, 45 N, 128 O.
127	“ “ <i>flore pleno rosea.</i> Hort.....	41 S, 132 M.

DECIDUOUS TREES AND SHRUBS—(Continued).

	A. POLYPETALÆ. SAXIFRAGINEÆ.	LOCALITY. (Reference to Map.)
128	<i>Deutzia scabra</i> . Hort.....	6 B, 132 M, 125 K.
129	“ <i>gracilis</i> . S. et L.....	2 H, 30 H, 39 P, 125 K.
130	<i>Hydrangea arborescens</i> . L.....	28 G.
131	“ <i>nivea</i> . Mchx.....	45 Q, 57 S, 56 V.
132	“ <i>quercifolia</i> . Bart.....	16 R.
133	“ <i>paniculata</i> . Sieb.....	120 Y.
134	<i>Itea virginica</i> . Willd.....	39 V, 39 P.
	CALYCANTHACEÆ.	
135	<i>Calycanthus macrophyllus</i> . Hort.....	115 L.
136	“ <i>floridus</i> . L.....	14 Q, 49 X, 50 I, 43 O.
	MAGNOLIACEÆ.	
137	<i>Magnolia tripetala</i> . L.....	43, 44 N, 43 O.
138	“ <i>cordata</i> . Mchx.....	119 X.
139	“ <i>acuminata</i> . L.....	16 Y, 30 K, 45 R.
140	“ <i>auriculata</i> . Lam.....	43 N, 44 O, 45 R.
141	“ <i>macrophylla</i> . Mchx.....	33 R, 35 Q, 45 R.
142	“ <i>Yulan</i> . Hort.....	45 L, 45 M, 43 N.
143	“ <i>purpurea</i> . Curt.....	33 V, 35 Q.
144	“ <i>gracilis</i> . Salisb.....	45 M.
145	<i>Liriodendron Tulipifera</i> . L.....	5 E, 26 L, 46 V, 43 I.
	BERBERIDEÆ.	
146	<i>Berberis vulgaris</i> L.....	37 S, 51 F, 24 H.
147	“ “ <i>atropurpurea</i> . Hort.....	41 T.
148	“ <i>aristata</i> . D. C.....	119 U.
149	“ <i>dulcis</i> . Hort.....	119 T.
	RANUNCULACEÆ.	
150	<i>Clematis flammula</i> . L.....	46 O, 46 H, 131 K.
151	“ <i>Vitalba</i> . L.....	46 N, 46 H.

DECIDUOUS TREES AND SHRUBS—(Continued).

A. POLYPETALÆ.		LOCALITY.
RANUNCULACEÆ.		(Reference to Map.)
152	<i>Clematis Virginiana</i> . L.	20 W, 47 P, 123 N.
153	“ <i>viticella</i> . Moench.	44 I, 45 J, 46 H.
154	“ “ <i>rubra</i> . Hort.	45 J, 46 H.
155	“ <i>coerulea</i> . Lindl.	118 V, 46 H.
156	“ “ <i>grandiflora</i> . Hort. (patens) ...	118 V.
157	<i>Xanthorrhiza apiifolia</i> . L'Her.	43 J, 44 I.
158	<i>Pæonia arborca</i> . Donn.	30 H, 119 W.
159	“ <i>papaveracea</i> . Willd.	118 V.
TAMARICACEÆ.		
160	<i>Tamarix tetrandra</i> . Pall. (africana)	10 O, 16 K, 31 R, 31 U, 50 K, 50 I.
161	“ <i>gallica</i> . L.	28 Y.
162	“ <i>Germanica</i> . L.	123 Y.
TILIACEÆ.		
163	<i>Tilia Europæa</i> . Mill.	8 Z', 34 X, 132 O.
164	“ “ <i>latifolia</i> . Hort.	34 X, 131 O.
165	“ <i>Americana</i> . L.	8 K, 134 H, 124 L.
MALVACEÆ.		
166	<i>Hybiscus Syriacus</i> . L.	5 A, 134 T.
HYPERICACEÆ.		
167	<i>Hypericum Kalmianum</i> . L.	1 J, 120 T.
SAPINDACEÆ.		
168	<i>Koelreuteria paniculata</i> . Laxm.	1 S, 15 Q, 32 R
169	<i>Æsculus Hippocastanum</i> . L.	32 Z', 28 U.
170	“ <i>carnea</i> . Willd.	51 Z', 51 Q.
171	<i>Pavia Ohioensis</i> . Mchx.	123 H.
172	“ <i>flava</i> . Moench.	50 R.

DECIDUOUS TREES AND SHRUBS—(Continued).

A. POLYPETALÆ.		LOCALITY.
SAPINDACEÆ.		(Reference to Map.)
173	<i>Pavia rubra</i> . Poir (<i>rubicunda</i>).....	5 D.
174	“ <i>macrostachya</i> . Mchx.....	44 R, 38 L, 40 K.
175	<i>Staphylea pinnata</i> . L.....	10 A, 38 S, 46 P.
176	“ <i>trifoliata</i> . L.....	3 M, 72 S, 52 F.
ACERINEÆ.		
177	<i>Acer Tataricum</i> . L.....	119 W, 109 V.
178	“ <i>Pennsylvanicum</i> . L.....	25 V, 123 W.
179	“ <i>palmatum</i> . Thunb.....	20 Q, 122 Y.
180	“ <i>Pseudo-Platanus</i> . L. (<i>polymorphum</i>).....	2 K, 32 Z, 12 P.
181	“ <i>macrophyllum</i> . Pursh.....	122 Y, 64 R.
182	“ <i>Platanoides</i> . L.....	4 B, 25 V, 21 M.
183	“ <i>nigrum</i> . Mchx. (<i>sacharinum</i>).....	1 D, 63 R.
184	“ <i>campestre</i> . L.....	7 E, 59 R, 124 and 125 V.
185	“ <i>dasy carpum</i> . Ehrh.....	2 F, 23 W, 21 L.
186	“ <i>rubrum</i> . L.....	22 N, 17 N, 31 Z, 19 B, 53 W.
187	“ <i>sacharinum</i> . Hort. angl.....	6 K, 14 E, 14 B.
188	<i>Negundo fraxinifolium</i> . Nutt (<i>accroides</i>).....	8 O, 108, 109 V, 110 O.
AMPELIDEÆ.		
189	<i>Vitis Labrusca</i> . L.....	12 P, 42 T, 42 O.
190	“ <i>æstivalis</i> . Mchx.....	12 P, 43 S, 44 R.
191	“ <i>cordifolia</i> . Mchx.....	12 P, 45 Q, 45 L.
192	“ <i>odoratissima</i> . Donn. (<i>riparia</i>).....	12 P, 122 Y.
193	“ <i>heterophylla</i> . Thunb.....	120 X, 122 Y.
194	“ <i>capreolata</i> . Royle.....	120 X, 45 J.
195	“ <i>vinifera laciniata</i> . Hort.....	12 P, 122 Y.
196	<i>Ampelopsis quinquefolia</i> . Mchx.....	48 Y, 3 O, 17 R, 37 S, 123 N.
197	“ <i>bipinnata</i> . Torr. et Gr.....	120 X, 122 Y.

DECIDUOUS TREES AND SHRUBS—(Continued).

	A. POLYPETALÆ. RUTACEÆ.	LOCALITY. (Reference to Map.)
198	<i>Xanthoxylum fraxineum.</i> Desf.....	122 Y, 124 X.
199	<i>Ptelea trifoliata.</i> L.....	107 W, 124 and 125 Z ¹ .
	THEREBINTHACEÆ.	
200	<i>Rhus copallina.</i> L.....	101 H.
201	“ <i>glabra.</i> L.....	26 K, 121 K, 41 Q.
202	“ “ <i>laciniata.</i> Hort.....	119 U.
203	“ <i>typhina.</i> L.....	7 E, 9 Z ¹ , 42 R.
204	“ <i>Toxicodendron.</i> L.....	59 S, 122 M, 128 J.
205	“ <i>Cotinus.</i> L.....	2 L, 18 U, 102 H, 41 P.
	SIMARUBACEÆ.	
206	<i>Ailanthus glandulosus.</i> Desf.....	31 V, 7 H, 22 N, 106 W.
207	<i>Coriaria myrtifolia.</i> L.....	124 O, 118 L, 116 K, 133 O.
	JUGLANDEÆ.	
208	<i>Juglans Regia.</i> L.....	120 W, 46 V.
209	“ <i>nigra.</i> L.....	30 V, 119 U, 118 T.
210	“ <i>cinerea.</i> L. (alba Marsh).....	121 and 122 T.
211	<i>Carya porcina.</i> Nutt.....	124 X.
212	“ <i>microcarpa.</i> Nutt.....	42 I, 133 K.
213	“ <i>tomentosa.</i> Nutt.....	115 O, 133 G.
214	“ <i>sulcata.</i> Nutt.....	118 W, 126 J.
215	“ <i>alba.</i> Nutt.....	8 N, 26 I, 133 H.
216	<i>Pterocarya caucasica.</i> C. A. Mey.....	109 X.
	RHAMNEÆ.	
217	<i>Rhamnus cathartica.</i> L.....	116 P, 130 Y.
218	“ <i>lanceolata.</i> Parsh.....	123 Y.
219	“ <i>franguloides.</i> Mchx.....	40 M.

DECIDUOUS TREES AND SHRUBS—(Continued).

A. POLYPETALÆ.		LOCALITY.
RHAMNÆÆ.		(Reference to Map.)
220	<i>Ceanothus Americanus</i> . L.....	104 T.
221	“ <i>thyrsiflorus</i> . Ehrh.....	123 Z.
222	<i>Celastrus scandens</i> . L.....	118 X, 113 T, 110 T.
223	<i>Euonymus Europæus</i> . L.....	22 X, 103 Q.
224	“ “ <i>atropurpureus</i> . L.....	4 A, 102 Q.
225	“ “ <i>latifolius</i> . Scop.....	42 T.
226	“ <i>atropurpureus</i> . Jacq.....	30 Q.
227	“ <i>Europ. albus</i> . Hort.....	103 Q, 124 V.
228	“ <i>Americanus</i> . L.....	6 Z, 103 R, 122 L.
RIBESICÆÆ.		
229	<i>Ribes divaricatum</i> . Dougl.....	33 R, 50 T.
230	“ <i>nigrum</i> . L.....	101 O, 53 S.
231	“ <i>sanguineum</i> . Pursh.....	121 W, 122 X.
232	“ <i>Gordonianum</i> . Lem.....	122 X, 51 X.
233	“ <i>aureum</i> . Pursh.....	30 J, 16 G.
ARALIACÆÆ.		
234	<i>Aralia spinosa</i> . L.....	2 J, 30 A, 102 T.
235	<i>Hedera Helix</i> . L.....	133 H, 9 H, 133 F, 132 H, 133 K.
CORNACÆÆ.		
236	<i>Cornus sanguinea</i> . L.....	101 K, 110, 111 K, 111 E.
237	“ <i>alba</i> . L. (<i>tatarica</i> Mill.).....	1 N, 13 P, 114 V.
238	“ <i>stolonifera</i> . Mchx.....	9 Z, 94 X, 44 V, 56 V.
239	“ <i>mascula</i> . L.....	115 W, 44 I.
240	“ <i>florida</i> . L.....	7 F, 27 Z, 44 V.

DECIDUOUS TREES AND SHRUBS—(Continued).

	B. MONOPETALÆ. CAPRIFOLIACÆ.	LOCALITY. (Reference to Map.)
241	<i>Lonicera Periclimenum</i> . L.....	16 Z, 133 K.
242	“ <i>Caprifolium</i> . L.....	4 M, 51 J, 40 K.
243	“ <i>Americana</i> . Mill.....	45 O.
244	“ <i>Douglasii</i> . Lindl.....	44 I, 122 Y.
245	“ <i>hirsuta</i> . Eat.....	122 Y, 133 H.
246	“ <i>flava</i> . Sims.....	45 I, 122 Y.
247	“ <i>Brownii</i> . Hort.....	45 J, 44 I.
248	“ <i>sempervirens</i> . L.....	29 R, 31 R, 133 K.
249	“ <i>Japonica</i> . Thunb.....	44 R, 133 K.
250	“ <i>brachypoda</i> . D. C.....	45 I, 45 J, 122 Y.
251	“ <i>fragrantissima</i> . Paxt.....	29 H, 29 G, 132 N.
252	“ <i>tatarica</i> . L.....	11 P, 32 O, 39 S.
253	“ “ <i>versicolor</i> . Hort.....	32 U.
254	“ <i>nigra</i> . L.....	112 V, 128 O.
255	“ <i>Ledebourii</i> . Esch.....	112 U.
256	<i>Xylosteum vulgare</i> . Rochl.....	42 S, 46 P, 126 P.
257	“ <i>ciliatum</i> . Pursh.....	128 K, 127 J.
258	“ <i>coeruleum</i> . Dum.....	111 T, 127 L.
259	<i>Diervilla Canadensis</i> . Willd.....	44 M.
260	<i>Weigelia multiflora</i> . Lem.....	121 X.
261	“ <i>versicolor</i> . S. et Z.....	121 X, 131 N.
262	“ <i>hortensis</i> . S. et Z. (alba.).....	121 X.
263	“ <i>amabilis</i> . Carr.....	16 I, 51 Z ¹ , 133 J.
264	“ <i>rosea</i> . Lindl.....	7 W, 31 R, 51 Z ¹ .
265	<i>Leicesteria Formosa</i> . Wall.....	120 W.
266	<i>Symphoricarpus glomeratus</i> . Pursh.....	25 B, 133 I, 94 Z.
267	“ <i>racemosus</i> . Mchx.....	30 W, 108 F, 126 R.

DECIDUOUS TREES AND SHRUBS—(Continued).

B. MONOPETALÆ.		LOCALITY.
VIBURNÆ.		(Reference to Map.)
268	<i>Viburnum Lantana</i> . L.....	27 L, 115 T, 42 N.
269	“ <i>nudum</i> . L.....	46 W, 64 R.
270	“ <i>laevigatum</i> . Wall.....	66 S, 103 S.
271	“ <i>lentago</i> . L.....	116 S, 120 H.
272	“ <i>prunifolium</i> . L.....	27 V, 51 Z ² .
273	“ <i>Opulus</i> . L.....	3 Z ¹ , 29 G, 30 M.
274	“ “ <i>nanus</i> . Lk.....	117 V.
275	“ <i>oxycoccus</i> . Willd.....	7 O.
276	“ <i>dentatum</i> . L.....	112, 113 X, 114 U, 116 R & S.
277	“ <i>acerifolium</i> . L.....	122 Z, 119 G.
278	<i>Sambucus Canadensis</i> . L.....	117 M, 119 M, 103 P, 125 O.
279	“ <i>nigra heterophylla</i> . Hort.....	115 V.
RUBIACEÆ.		
280	<i>Cephalanthus occidentalis</i> . L.....	106 W, 44 N.
COMPOSITÆ.		
281	<i>Bacharis halimifolia</i> . L.....	44 L.
282	<i>Artemisia Abrotanum</i> . L.....	123 Y.
STYRACEÆ.		
283	<i>Halesia tetraptera</i> . L.....	19 Y, 47 N, 48 N.
EBENACEÆ.		
284	<i>Diospyros Virginiana</i> . L.....	40 S.
OLEACEÆ.		
285	<i>Fraxinus Ornus</i> . L.....	111, 112 V.
286	“ <i>excelsior</i> . L.....	4 G, 28 N.
287	“ “ <i>pendula</i> . Hort.....	19 Z, 16 L.
288	“ “ <i>aurea</i> . Hort.....	11 K.

DECIDUOUS TREES AND SHRUBS—(Continued).

B. MONOPETALÆ.		LOCALITY.
OLEACEÆ.		(Reference to Map.)
289	<i>Fraxinus parvifolia</i> . Vahl.....	2 E.
290	“ <i>lentiscifolia</i> . Desf.....	29 Y.
291	“ <i>juglandifolia</i> . Willd.....	111 V, 71 Z, 65 G.
292	“ <i>Americana</i> . L. (alba).....	10 X, 1 T, 109 U, 69 R.
293	“ <i>sambucifolia</i> . Lam.....	43 S, 69 R, 63 H.
294	“ <i>quadrangulata</i> . Mchx.....	58 R.
295	“ <i>viridis</i> . Hort.....	118 V.
296	<i>Chionanthus Virginica</i> . L.....	2 H, 32 Z ¹ .
297	“ <i>macrophylla</i> . Hort.....	123 Z.
298	<i>Forsythia suspensa</i> . Thunb.....	3 J, 27 D, 52 J, 51 J.
299	“ <i>Thunbergii</i> . Sieb.....	123 Z.
300	“ <i>viridissima</i> . Lindl.....	1 M, 15 I, 26 L, 29 I, 111 T.
301	<i>Syringa vulgaris</i> . L.....	32 S, 29 V, 28 B, 1 Q.
302	“ <i>Chinensis</i> . Willd.....	46 P, 57 S, 50 I.
303	“ <i>Persica</i> . L.....	5 J, 9 M, 29 G.
304	“ <i>Josikæa</i> . Jacq.....	2 T, 48 K, 46 P.
305	“ <i>Emodi</i> . Wall.....	47 K, 123 Z.
306	<i>Ligustrum vulgare</i> . L.....	12 K, 115, 116 M, 119, 22 L.
307	“ <i>ovalifolium</i> . Hassk. (japonicum)*....	3 K, 30 P.
308	“ <i>Italicum</i> . Hort.....	131 N, 132 N.
309	“ “ <i>fructu—albo</i> . Hort.....	131 N, 124 U.
310	“ <i>lucidum</i> . Ait.....	123 Z.
JASMINEÆ.		
311	<i>Jasminum fruticans</i> . L.....	44 I.
312	“ <i>nudiflorum</i> . Lindl.....	44 I, 46 H.
ASCLEPIADEÆ.		
313	<i>Periploca Græca</i> . L.....	19 W, 46 O.

DECIDUOUS TREES AND SHRUBS—(Continued.)

	B. MONOPETALÆ. LOGANIACEÆ.	LOCALITY. (Reference to Map.)
314	<i>Buddleya Lindleyana</i> . Fort.....	123 W.
315	“ <i>Amurense</i> . Reg.....	123 W.
	PERSONATÆ ET BIGNONIACEÆ.	
316	<i>Paulownia imperialis</i> . S. et Z.....	10 Z, 20, 30 K, 49 K.
317	<i>Catalpa syringæfolia</i> . Sims.....	25 K, 31 Z, 17 L, 113, 115 M.
318	“ <i>Bungei</i> . C. A. Mey.....	122 X.
319	<i>Tecoma radicans</i> . Willd (Bignonia).....	50, 7 M, 16 P.
320	“ <i>grandiflora</i> . Thunb.....	14 K, 27 H, 44 I.
	VERBENACEÆ.	
321	<i>Callicarpa purpurea</i> . Juss.....	1 P, 125, 126 T, 120 C, 116 G.
322	<i>Vitex Agnus-castus</i> . L.....	120 Y, 124 X.
	SOLANÆÆ.	
323	<i>Solanum Dulcamara</i> . L.....	44 I, 46 H.
324	<i>Lycium barbarum</i> . Ait.....	27 R, 124 P, 123 O, 123 Q.
	C. APETALÆ.	
	LAURINÆÆ.	
325	<i>Sassafras officinale</i> . N. v. Es.....	2 P, 27 L, 43 R, 41 I.
326	<i>Benzoin odoriferum</i> . N. v. Es.....	2 H, 28 J, 43 S, 112 X.
	THYMALEÆ.	
327	<i>Daphne mezereum</i> . L.....	29 R, 103 E, 105 E, 45 O, 45 J.
	ELÆAGNACEÆ.	
328	<i>Hyppophæ Rhamnoides</i> . L.....	119 U, 120 Y.
329	<i>Shepherdia argentea</i> . Pursh.....	8 B, 74 E, 75, 76 D.
330	<i>Elæagnus angustifolia</i> . L. (hortensis.).....	2 G, 30 V, 30 A, 51 L, 49 K, 41 K.

DECIDUOUS TREES AND SHRUBS—(Continued.)

	C. APETALÆ. ARISTOLOCHIACEÆ.	LOCALITY. (Reference to Map.)
331	<i>Aristolochia Siph.</i> L'Her.....	44 I, 119 W, 122 Z.
332	“ <i>tomentosa.</i> Sims.....	123 X, 119 W.
	CHENOPODIACEÆ.	
333	<i>Atriplex Halimus.</i> L.....	72 Z ¹ .
	CUPULIFERÆ.	
334	<i>Quercus Robur.</i> L.....	43 O, 57 R, 55 X.
335	“ “ <i>fastigiata.</i> Hort.....	57 R.
336	“ “ <i>atropurpurea.</i> Hort.....	28 E, 119 W.
337	“ <i>pedunculata.</i> L.....	16 C, 18 A, 66 R.
338	“ <i>Cerris.</i> L.....	5 I, 19 Z, 72, 87 E, 71 Z.
339	“ <i>alba.</i> Mchx.....	17 E, 24 E, 43, 42 I.
340	“ <i>Phellos.</i> L.....	123 X.
341	“ <i>rubra.</i> L.....	16 H, 44 N, 39 M.
342	“ <i>nigra.</i> Mchx.....	18 E, 42 I, 46 W.
343	“ <i>macrocarpa.</i> Mchx.....	116 W, 123 X, 122 I.
344	<i>Castanea vesca.</i> L.....	3 R, 42 I, 115 P and Q.
345	“ <i>Americana.</i> Don.....	2 L, 42 I, 45 I.
346	<i>Fagus sylvatica.</i> L.....	4 Y, 110, 109 T, 114 S, 105 V.
347	“ “ <i>atropurpurea.</i> Hort.....	32 V, 19 W, 111 V.
348	“ “ <i>pendula.</i> Hort.....	24 V, 49 P, 46 G, 115 V.
349	“ “ <i>asplenifolia.</i> Hort.....	109 U, 115 W, 45 L.
350	“ <i>ferruginea.</i> Ait.....	133 G.
351	<i>Corylus Americana.</i> Mchx.....	29 M, 44 N, 43 I.
352	“ <i>avellana.</i> Willd.....	45 H, 133 G.
353	“ “ <i>purpurea.</i> Hort.....	44 I, 123 X.
354	<i>Carpinus Betulus.</i> L.....	10, P, 53 L to O.
355	“ <i>Americana.</i> Mchx.....	9 X, 38 V.
356	<i>Ostrya Virginica.</i> Mchx.....	43 X, 43 I.

DECIDUOUS TREES AND SHRUBS—(Continued).

	C. APETALÆ. ULMACEÆ.	LOCALITY. (Reference to Map.)
357	<i>Ulmus campestris</i> . L.....	3 A, 8 K, 25 M.
358	“ <i>microphylla</i> . Hort.....	33, Z.
359	“ <i>montana</i> . With.....	1 C, 22 E, 32 N, 128 O.
360	“ “ <i>exoniensis</i> . Hort.....	27 N, 101 F.
361	“ “ <i>suberosa</i> . Hort.....	15 Y, 23 T.
362	“ <i>Americana</i> . L.....	16 S, 23 R, 23 P, 23 L, 19 Q.
363	“ <i>fulva</i> . Mchx.....	9 Z, 20 T, 114 T.
364	“ <i>parvifolia virens</i> . Jacq.....	100 T, 112 H.
365	<i>Celtis australis</i> . L.....	110 W, 122 H.
366	“ <i>lævigata</i> . Willd.....	104, 105 T, 123 H.
367	“ <i>occidentalis</i> . L.....	108 V, 127 J.
368	“ <i>humilis</i> . Hort.....	104 U, 102, 103 U, 101 V.
	MORACEÆ.	
369	<i>Maclura aurantiaca</i> . With.....	20 Y, 24 W, 22 Y.
370	<i>Broussonetia papyrifera</i> . L.....	7 X.
371	<i>Morus rubra</i> . L.....	1 D, C, 15 114 W.
	HAMAMELIDEÆ.	
372	<i>Nissa multiflora</i> . Wangurts.....	102 Q, 102 S.
373	“ <i>aquatica</i> . L.....	45 N, 43 I.
374	<i>Hamamelis Virginiana</i> . L.....	45 W, 42 I.
	PLATANÆÆ.	
375	<i>Liquidambar Styraciflua</i> . L.....	9 O, 108 U.
376	<i>Platanus orientalis</i> . L.....	118 V.
377	“ <i>occidentalis</i> . L.....	6 Z ¹ , 28 P, 17 B, 57 T, 110 X.
	SALICACEÆ.	
378	<i>Populus alba</i> . L.....	18 E, 53 K, 134 Z ¹ .

DECIDUOUS TREES AND SHRUBS—(Continued).

C. APETALÆ.		LOCALITY.
SALICACEÆ.		(Reference to Map.)
379	<i>Populus tremula pendula</i> . Hort.....	24 W, 27 V, 45 H.
380	“ <i>grandidentata</i> . Mchx.....	114 K.
381	“ <i>monolifera</i> . Ait. (Canadensis).....	3 I, 7 K, 133 P.
382	“ <i>balsamifera</i> . L.....	2 S, 13 L, 121 K.
383	“ <i>nigra fastigiata</i> . Desf.....	31 U, 19 P, 125, 126 Z.
384	<i>Salix Japonica</i> . Sieb.....	125, 126 Y, 120 Z.
385	“ <i>Babylonica</i> . L.....	2 W, 22 O, 63 G, 63 H.
386	“ <i>nigra</i> . Marsh.....	6 N, 56 V.
387	“ <i>vitellina</i> . L.....	43 W, 57 R.
388	“ <i>Dasyclados</i> . Wimm.....	120 X.
389	“ <i>alba</i> . L. (aurea).....	44 W, 40 V.
390	“ <i>lucida</i> . Sieb.....	2 V, 126 Z, 125 P.
391	“ <i>rosmarinifolia</i> . Gouan.....	94 Z ¹ , 124 Y.
392	“ <i>viminalis</i> . L.....	63 R, 120 Z.
393	“ <i>Caprea</i> . L.....	33 V, 123 Y.
394	“ <i>Americana</i> . Mchx. (sericea).....	37 R, 75, 76 C.
BETULINÆ.		
395	<i>Alnus viridis</i> . A. Gray.....	64 R, 63 R, 40 K, 126, 127 O.
396	“ <i>glutinosa</i> . L.....	37 P.
397	“ <i>cordata</i> . Lois.....	3 Y, 8 X, 59 R, 126 Y.
398	“ <i>rugosa</i> . Ehrh. (serrulata).....	2 X, 8 Z.
399	“ <i>incana</i> . L.....	58 R.
400	<i>Betula lenta</i> . L. (nigra).....	23 P, 60 R, 111 L, 115 J.
401	“ <i>lutea</i> . Mchx.....	68 T, 62 R.
402	“ <i>alba</i> . L.....	4 O, 27 T, 1 O, 32 N, 43 R.

2.—[Non-coniferous] “Evergreen” [sub-evergreen] and “American” Plants growing exposed or partially protected on the Central Park in 1873, with an indication of the locality in which a specimen of each may be found.—[DEMCKER.]

[NOTE.—Those needing protection with straw or mats are marked Pr.]

LEGUMINOSÆ.		LOCALITY.
		(Reference to Map.)
1	<i>Ulex Europæus.</i> L.....Pr.	118 V.
2	<i>Spartium album.</i> Desf.....Pr.	119 U.
3	<i>Genista sagittalis.</i> L.....	120 Y.
4	“ <i>triquetra.</i> Wet K.....	120 Y.
5	“ <i>pilosa.</i> L.....	120 Y.
6	“ <i>prostrata.</i> Lamb.....	120 Y.
7	<i>Caragana pygmaea.</i> L.....	121 W.
8	<i>Indigofera decora.</i> Lindl.....	120 X.
9	<i>Coronilla glauca.</i> L.....Pr.	120 X.
10	<i>Desmodium penduliflorum.</i> Hort.....	Collection Mt. St. Vincent.
DRUPACEÆ.		
11	<i>Prunus Caroliniana.</i> Mill.....Pr.	122 Y.
12	“ <i>Lusitana.</i> L.....Pr.	122 Y, 33 O, 33 Q.
13	“ <i>Lauro-Cerasus.</i> L.....Pr.	122 Y, 33 O, 33 Q.
14	<i>Mespilus Pyracantha.</i> L. (Cratægus).....	121 V, 31 M, 122 Y, 133 L.
15	<i>Cotoneaster microphylla.</i> Lindl.....	115, 116 H, 33 O, 33 Q.
16	“ <i>buxifolia.</i> Wall.....	115, 116 H, 125 R.
17	<i>Cotoneaster thymifolia.</i> Hort. (microph. Wall)....	115, 116 H, 33 O, 33 Q.
18	<i>Photinia serrulata.</i> Lindl.....Pr.	39 M.
ROSACEÆ.		
19	<i>Rosa noisettiana.</i> Th. et Red.....Pr.	Collection Mt. St. Vincent.
20	“ <i>indica.</i> Lindl.....Pr.	“ “ “

SMOOTH-LEAVED EVERGREEN AND AMERICAN PLANTS—(Continued).

	ROSACEÆ.	LOCALITY. (Reference to Map.)
21	<i>Rosa semperflorens.</i> Curt.....Pr.	Collection Mt. St. Vincent.
22	“ <i>fragrans.</i> Red. Ros.....Pr.	“ “ “
23	“ <i>Lawrenciana.</i> Hort.....Pr.	“ “ “
24	“ <i>Bourbonica.</i> Jacq.....Pr.	“ “ “
25	<i>Kerria Japonica.</i> L.....	43 Q, 122 Y.
26	“ “ <i>fol. albo. var.</i> Sieb.....Pr.	43 Q, 34 Q, 34 O, 122.
SAXIFRAGINEÆ.		
27	<i>Hydrangea Hortensis.</i> L.....Pr.	4 J, 32 O, 32 Q, 49 P, 51 P.
28	“ <i>involutrata.</i> Sieb.....Pr.	122 Y.
29	“ <i>quercifolia.</i> Bastr.....	44 P.
30	“ <i>Japonica.</i> Hort.....Pr.	44 P, 42 K.
31	<i>Escallonia floribunda.</i> D. C.....Pr.	Collection Mt. St. Vincent.
CALYCANTHACEÆ.		
32	<i>Calycanthus praecox.</i> T. et Gr.....Pr.	“ “ “
33	“ <i>laevigatus.</i> T. et Gr.....Pr.	“ “ “
MAGNOLIACEÆ.		
34	<i>Magnolia grandiflora.</i> Hort.....Pr.	“ “ “
35	“ <i>glauca.</i> L.....	46 O, 47 P, 45 P, 46 P.
BERBERIDEÆ.		
36	<i>Akebia quinata.</i> Thunb.....	17 R, 44, 55 J.
37	<i>Berberii Darwinii.</i> Hook.....Pr.	46 H, 115 H.
38	“ <i>dealbato.</i> Lindl.....Pr.	Collection Mt. St. Vincent.
39	“ <i>empetrifolia.</i> Lond.....Pr.	“ “ “
40	“ <i>aristata.</i> D. C.....Pr.	“ “ “
41	“ <i>ilicifolia.</i> Fort.....Pr.	“ “ “
42	<i>Mahonia aquifolium.</i> Nutt.....	3 N, 53, 54 G, 59 H, 11 O.

EVERGREEN AND AMERICAN PLANTS—(Continued).

BERBERIDÆ.		LOCALITY.
		(Reference to Map.)
43	<i>Mahonia aquifolium</i> . Nutt.....	115, 116 H, 133 L.
44	“ <i>Bealii</i> . Forst.....Pr.	46 H.
45	“ <i>Japonica</i> . Sieb.....	15 N, 46 H, 115 H, 114
46	“ <i>Nepalensis</i> . D. C.....Pr.	Collection Mt. St. Vincent.
47	“ <i>nervosa</i> . Pursh.....Pr.	“ “ “
CISTACEÆ.		
48	<i>Helianthemum vulgare</i> . Gaertn.....	“ “ “
49	“ <i>montanum</i> . L.....	“ “ “
50	<i>Helianthemum mutabile</i> . Hort.....	“ “ “
TERNSTROEMIIACÆ.		
51	<i>Eurya Japonica</i> . Thunb.....Pr.	“ “ “
HYPERICACEÆ.		
52	<i>Hypericum calycinum</i> . L.....Pr.	120 T.
53	“ <i>uralum</i> . Don.....	120 T.
RUTACEÆ.		
54	<i>Skimmia Japonica</i> . Thunb.....Pr.	Collection Mt. St. V.
RHAMNÆ.		
55	<i>Rhamnus alaternus</i> . L.....Pr.	“ “
56	<i>Evonymus Japonicus</i> . Thunb.....Pr.	46 O.
57	“ “ <i>nanus</i> . Bieb.....Pr.	46 H.
58	“ “ <i>fol. argent.</i>.....Pr.	46 O.
59	“ <i>radicans</i> . Sieb.....	46 H, 33, 34, O and Q.
60	“ <i>angustifolius</i> . Hort.....	45 H, 33, 34, O and Q.
ARALIACEÆ.		
61	<i>Aralia papyrifera</i> . Thunb.....Pr.	Collection Mt. St. V.

EVERGREEN AND AMERICAN PLANTS—(Continued).

	ARALIACEÆ.	LOCALITY. (Reference to Map.)
62	<i>Aralia Japonica</i> . Thunb. (<i>Fatsia</i>).....Pr.	Collection Mt. St. Vincent.
63	<i>Hedera Colchica</i> . C. Koth.....Pr.	“ “ “
64	“ <i>Hibernica</i> . Hort.....Pr.	4 J, 46 O, 130 L.
	CORNACEÆ.	
65	<i>Aucuba Japonica</i> . Thunb.....Pr.	44 T, 46 H, 33 O and Q, 123 N.
66	“ <i>Himalaica</i> . Hook.....Pr.	Collection Mt. St. V.
	ERICACEÆ—VACCINEÆ.	
67	<i>Vaccinium ovatum</i> . Pursh.....	45 N, 133 K.
68	“ <i>arboreum</i> . Mchx.....	45 M, 44 N.
69	“ <i>Pennsylvanicum</i> . Lamb... ..	42 J, 103 Q.
70	“ <i>corymbosum</i> . L.....	45 J.
71	“ <i>uliginosum</i> . L.....	120 U, 111 E and F, 112 F.
72	“ <i>erythrocarpum</i> . Mchx.....	Collection Mt. St. V.
73	<i>Gaultheria procumbens</i> . L.....	45 J.
74	“ <i>Shallon</i> . Pursh.....Pr.	Collection.
75	<i>Lyonia floribunda</i> . Pursh. (<i>Andromeda</i>).....	45 J, 46 H, 33 O and Q,
76	“ <i>Mariana</i> . L.....	Collection.
77	“ <i>pulverulenta</i> . Bartr.....	44 J, 46 H, 103 G.
78	“ <i>ligustrina</i> . D. C. (<i>paniculata</i>).....	45 J, 46 H, 103 G.
79	<i>Leucothoe axillaris</i> . Sol.....	44 N, 42 J.
80	“ <i>Catesbei</i> . Walt.....	44 M, 45 J, 33 O and Q.
81	<i>Cassandra calyculata</i> . Don.....	44 J, 47 H, 133 L.
82	<i>Andromeda Polifolia</i> . L.....	44 J, 47 H.
83	<i>Menziesia ferruginea</i> . Sin.....	Collection.
84	“ <i>coerulea</i> . Swarz.....	“
85	<i>Calluna vulgaris</i> . Willd. (<i>Erica</i>).....	“
86	<i>Erica Tetrabix</i> . L.....	“

EVERGREEN AND AMERICAN PLANTS—(Continued).

	ERICACEÆ—VACCINEÆ.	LOCALITY. (Reference to Map.)
87	<i>Erica cinerea</i> . L.....	Collection.
88	“ <i>vagans</i> . L.....	“
89	“ <i>multiflora</i> . L.....	“
90	“ <i>carnea</i> . Willd.....	34 W, and Collection.
91	“ <i>herbacea</i> . L.....	“ “
92	<i>Gypsocallis Hibernica</i> . Hort.....*	“ “
93	“ <i>mediterranea</i> . D. C.....*	“ “
94	“ <i>arborea</i> . D. C.....*	“ “
95	“ <i>sihgora</i> . D. C.....*	“ “
96	“ <i>hybrida nana</i> . Hort.....*	“ “
	RHODORACEÆ.	
97	<i>Leiophyllum buxifolium</i> . Berg.....	“ “
98	<i>Ledum palustre</i> . L.....	46 H, 104 F.
99	“ <i>latifolium</i> . Ait.....	45 J, 133 L.
100	<i>Clethra alvifolia</i> . L.....	44 N, 42 J, 103 F.
101	“ <i>acuminata</i> . Mchx.....	44 N, 42 J.
102	<i>Kalmia latifolia</i> . L.....	7 X, 47 O, 38 M, 33 O and Q.
103	“ <i>angustifolia</i> . L.....	48 H, 120 U, 133 L.
104	“ <i>glauca</i> . Ait.....	45 J, 120 U, 133 L.
105	<i>Epigacea repens</i> . L.....	46 H.
106	<i>Rhododendron ferrugineum</i> . L.....	46 H, 30 R, 33 O and Q.
107	“ <i>myrtifolium</i> . Schot.....	48 H, 30 R, 33 O and Q.
108	“ <i>hirsutum</i> . L.....	46 H, 28 and 29 R, 33 O and Q.
109	“ <i>ponticum</i> . L.....	7 X, 28, 29, 30 R.
110	“ <i>Catawbiense</i> . Mchx.....	{ 7 X, 9 O, 27 S, 37 S, 38 P, 46 O, 46 H.
111	“ <i>maximum</i> . L.....	7 X 9 O, 27 S, 38 P, 46 O.
112	“ <i>hybridum</i> . Hort.....	27 S, 37 S, 43 N, 30 R.
113	<i>Azalea indica</i> . L.....	Collection.

EVERGREEN AND AMERICAN PLANTS—(Continued).

	RHODORACEÆ.	LOCALITY. (Reference to Map.)
114	<i>Azalea obtusa</i> . Lindl.....	46 J, 46 H.
115	“ <i>amoena</i> . Lindl.....	46 J, 46 H, 33 O and Q.
116	“ <i>ledifolia</i> . Hook.....	46 H.
117	“ <i>sinensis</i> . Lodd.....	Collection.
118	“ <i>pontica</i> . L.....	43 O, 42 J.
119	“ <i>caleudnlacea</i> . Mchx.....	42 O, 44 M, 43 O.
120	“ <i>viscosa</i> . L.....	42 O, 44 M, 43 O.
121	“ <i>nudiflora</i> . L.....	44 O, 42 O, 43 M.
122	“ <i>hybrida</i> . Hort.....	45 and 46 K, 104 F.
123	<i>Rhodora Canadensis</i> . L.....	46 J, 46 H.
	AQUIFOLIACEÆ.	
124	<i>Ilex aquifolium</i> . L.....	46 H, 43 N, 113 B, 114 L.
125	“ “ <i>fol. variegat.</i> Hort..... Pr.	Collection.
126	“ <i>opaca</i> . Ait.....	4 O, 119, 110 U, 113 B, 114 L.
127	“ <i>latifolia</i> . Thunb..... Pr.	Collection.
128	“ <i>crenata</i> . Thunb..... Pr.	“
129	“ <i>nana</i> . Hort. (<i>Aquifol. nana</i>)..... Pr.	46 H.
130	<i>Prinos glabra</i> . L.....	106, 107 D, 106 E, 113 F.
131	“ <i>verticillata</i> . L.....	2 L, 119 N, 104 F, 113 E.
132	“ <i>laevigata</i> . Pursh.....	106 E, 104 F, 132 M.
133	<i>Ligustrum lucidum</i> . Ait.....	Collection.
134	“ “ <i>fol. var.</i> Hort.....	“
135	“ <i>Japonicum macroph.</i> Hort.....*	113, 114 L.
136	<i>Olea aquifolium</i> . Thunb..... Pr.	Collection.
137	<i>Philyrea latifolia</i> . L..... Pr.	106 E, 114 L.
	JASMINEÆ.	
138	<i>Jasminum fruticans</i> . L.....	46 H.

EVERGREEN AND AMERICAN PLANTS—(Continued).

JASMINEÆ.		LOCALITY. (Reference to Map.)
139	<i>Jasminum nudiflorum</i> . Lindl.....	46 H.
140	“ <i>Wallichianum</i> . Lindl.....	46 H.
THYMELEÆ.		
141	<i>Daphne Cueorum</i> . L.....	46 H, 120 U.
142	“ <i>Fortunei</i> . Hort.....	Collection.
143	“ <i>Alpina</i> . L.....	“
EUPHORBIACEÆ.		
144	<i>Buxus sempervirens</i> . L.....	123 N.
145	“ <i>arborescens</i> . Hort.....	15 P, 15 U, 120 U, 123 O.
146	“ “ <i>fol. var.</i> Hort.....	15 P, 15 U, 120 U.
147	“ <i>latifolia</i> . Hort.....	120 U.
MYRICACEÆ.		
148	<i>Myrica cerifera</i> . L.....	} 54 W, 125 U, 98 E, 104 D, 114 G and H. } 98 E, 104 D 113 H, 113 I, 113 and 114 L.
149	<i>Comptonia asplenifolia</i> . Banbi.....	

3.—*Coniferous Plants growing exposed on the Park, with an indication of the locality in which a specimen of each may be found.*

[DEMCKER,]

[Those marked with an * have not proved hardy.—W. L. F., 1875.]

A. ABIETINÆ.		LOCALITY. (Reference to Map.)
1	<i>Larix Europæa</i> . D. C.	6 Y, 2 R, 1 P, 12 O.
2	“ “ <i>pendula</i> . Lodd.....	40 O.
3	“ “ <i>nana</i> . Hort.....	16 M, 11 P.
4	“ <i>Americana</i> . Mchx. (<i>microcapa</i>)	123 S.

CONIFEROUS PLANTS—(Continued).

	A. ABIETINÆ.	LOCALITY. (Reference to Map.)
5	<i>Cedrus Libani</i> . Barr.....	42 P, 62 G, 79 C.
6	“ <i>Africana</i> . Gord (<i>atlantica</i>).....	80 C, 119 U.
7	<i>Abies alba</i> . Michx.....	20 N, 56, 57 H, 66 H.
8	“ “ <i>coerulea</i> . Lodd.....	16 R, 56, 57 H, 66 H.
9	“ <i>exelsa</i> . D. C.....	2 R, 3 O, 4 B, 36 S, 56, 57, 58 L.
10	“ “ <i>pygmaea</i> . Lond.....	48 H, 79 C.
11	“ “ <i>Clanbrasiliانا</i> . Lond.....	46 N, 44 L, 85 C, 120 U.
12	“ <i>menziesii</i> . Lond.....*	40 L, 78 C.
13	“ <i>nigra</i> . Michx.....	1 K, 90, 47 G.
14	“ <i>orientalis</i> . Poir.....	33 N, 40 M, 47 G, 76 C.
15	“ <i>Smithiana</i> . Lond. (<i>morinda</i>).....	41 L, 75 D.
16	<i>Tsuga Canadensis</i> . Carr. (<i>Picea</i>).....	4 B, 16 O, 61 F.
17	“ “ <i>nana</i> . Carr.....	119 U.
18	<i>Picea balsamea</i> . Lond.....	119 U.
19	“ <i>Cephalonica</i> . Lond.....	63 C, 64 E.
20	“ <i>Hudsonica</i> . Hort. (<i>Fraseri nana</i>).....	40, 41 K, 120 U.
21	“ <i>nobilis</i> . Lond.....	41 K, 120 U.
22	“ <i>Nordmanniana</i> . Lond.....	34 N, 60 F, 119 U.
23	“ <i>pectinata</i> . Lond.....	47 G, 59 H, 119 U.
24	“ <i>grandis</i> . Lond.....	47 G, 119 U.
25	“ <i>Pichta</i> . Lond.....	65 D, 119 U, 91 F.
26	“ <i>Pinsapo</i> . Lond.....	119 U.
27	<i>Pinus Austriaca</i> . Hort.....	6 Y, 6 E, 36 Y, 74 E.
28	“ “ <i>Laricio</i> . Endl.....	6 Y, 3 P, 78 D.
29	“ <i>Laricio</i> . Poiret.....	11 V, 40 M.
30	“ <i>Mugho</i> . Bank. (<i>pumilio</i>).....	18 Y, 61 C, 43 N.
31	“ <i>Pumilio</i> . Haenke.....	2 P, 16 R, 61 B, 85 C.
32	“ <i>rubra</i> . Michx (<i>resinosa</i>).....	41 I, 119 V, 34 U, 43 N.

CONIFEROUS PLANTS—(Continued).

	A. ABIETINÆ.	LOCALITY. (Reference to Map.)
33	<i>Pinus sylvestris</i> . L.....	5 X, 14 Q, 20 Y, 34 S.
34	“ <i>Jeffreyana</i> . V. H.....*	119 V, 41 K.
35	“ <i>ponderosa</i> . Dougl.....*	45 H, 64 F.
36	“ <i>rigida</i> . Mill.....	119 U.
37	“ <i>Cembra</i> . L.....	12 P, 43 Q, 40 M.
38	“ <i>exelsa</i> . Wall.....	48 R, 55 G, 47 X.
39	“ <i>Strobus</i> . L.....	1 X, 4 P, 6 I, 36 S.
40	“ “ <i>nana</i> . Knight.....	63 E, 119 U.
41	<i>Cunninghamia Sinensis</i> . R. Br. (<i>Pinus</i>).....	119 U.
B. CUPRESSINÆ.		
42	<i>Juniperus communis</i> . L.....	100, 101 D, 76 E, 77 E.
43	“ <i>Hibernica</i> . Hort.....	100 D, 80 B.
44	“ <i>Suecica</i> . Mill.....	100, 101 D, 81 A.
45	“ <i>Chinensis pendula</i> . Hort.....	101 V, 101 F, 101 T.
46	“ <i>prostrata</i> . Pers.....	41 P, 114, 115 H.
47	“ <i>Sabina</i> . L.....	34 N, 45 L, 42 O.
48	“ <i>squamata</i> . Don.....	34 N, 48 Y, 114 H.
49	“ <i>Virginiana</i> . L.....	48 U, 47 R, 56 R.
50	“ “ <i>glauca</i> . Lodd.....	56 G, 101 V.
51	<i>Cupressus Lawsoniana</i> . Murr.....	64 F, 119 U, 75 C.
52	<i>Retinospora ericoides</i> . Zucc.....	17 Q, 44 R, 99 D, 105 D, 103 E.
53	“ <i>pisifera</i> . Lond.....	114 H.
54	“ <i>obtusa aurea</i> . Sieb.....	114 H.
55	<i>Thuja occidentalis</i> . L.....	7 G, 44 R, 45 Z, 123 O.
56	“ <i>plicata</i> . Hort.....	119 U.
57	“ <i>Sibirica</i> . Hort.....	119 U.
58	<i>Biota orientalis</i> . Endl. (<i>Thuja</i>).....	123 O, 124 J.

CONIFEROUS PLANTS--(*Continua*).

B. CUPRESSINEÆ.		LOCALITY. (Reference to Map.)
59	<i>Biota compacta</i> . Hort.....	119 U, 74 D.
60	“ “ <i>aurea</i> . Hort.....	34 N, 119 U.
61	<i>Thujaopsis borealis</i> . Fisch.....	114 H, 107 F, 123 O.
62	“ “ <i>dolobrata</i> . Sieb.....	114 H.
63	<i>Cryptomeria Japonica</i> . Don.....	45 J, 44 G, 77 C.
64	“ “ <i>elegans</i> . Lodd.....	119 U, 77 C.
65	<i>Sequoia gigantea</i> . Endl.....	33 N, 120 U.
66	<i>Taxodium distichum</i> . Rich.....	1 U, 22 Y, 60 G, 124 O.
C. TAXINEÆ.		
67	<i>Taxus baccata</i> . Thunb.....	15 N, 40 M, 39 M, 46 I.
68	“ <i>adpressa</i> . Carr.....	47 H, 119, 120 U, 115 G.
69	“ <i>Canadensis</i> . Lond.....	37 L, 72 F.
70	“ <i>ericoides</i> . Hort.....	47 H, 120 U, 72 F.
71	“ <i>fastigiata</i> . Lond.....	45 G, 129 U, 101 E.
72	“ <i>horizontalis</i> . Hort.....	46 G, 47 H.
73	“ <i>Dovastoni</i> . Lond.....	46 H.
74	“ <i>aurea</i> . Hort.....	119 U, 72 F.
75	<i>Torreya nucifera</i> . Zucc.....	47 Q.
76	“ <i>taxifolia</i> . Arnott.....	119 U.
77	<i>Cephalotoxus drupacea</i> . Sieb.....	46 N, 46 O, 72 F.
78	“ “ <i>Fortunei</i> . Hook.....	45 I, 46 G, 72 F.
79	<i>Podocarpus Japonica</i> . Sieb.....	47 G, 56, 57 H.
80	<i>Ginkgo biloba</i> . L. (<i>Salisburea</i>).....	32 S, 32 M, 130 Z.
D. GNETEÆ.		
81	<i>Ephedra monoshachya</i> . L.....	120 U.

4.—*Hardy Perennial and Alpine Plants in the collection near Mount St. Vincent, with an indication of other localities on the Park in which several kinds (not including the more common varieties) may be found.*—[DEMCKER.]

	A. ACOTYLEDONES. FILICES.	LOCALITY. (Reference to Map.)
1	<i>Polypodium vulgare.</i> L.....	130 K, 47 I.
2	“ <i>Dryopteris.</i> L.....	Collection.
3	<i>Adiantum pedatum.</i> L.....	124 O, 115 H, 46 J.
4	<i>Pteris aquilina.</i> L.....	Collection.
5	<i>Cheilanthes vestita.</i> Swtz.....	“
6	<i>Pellaea gracilis.</i> Hook.....	“
7	<i>Woodwardia virginica.</i> Smith.....	“
8	<i>Asplenium pinnatifidum.</i> Nutt.....	“
9	“ <i>Trichomanes.</i> L.....	“
10	“ <i>Ruta-muraria.</i> L.....	“
11	“ <i>thelypteris.</i> Michx.....	“
12	<i>Anthyrium Filix-foemina.</i> Bernh.....	132 I, 122 N, 46 J.
13	<i>Scolopendrium vulgare.</i> Smith.....	Collection.
14	<i>Aspidium spinulosum.</i> Swtz.....	“
15	“ <i>rigidum.</i> Swtz.....	“
16	“ <i>goldianum.</i> Hook.....	“
17	“ <i>Filix-mas.</i> Swtz.....	115 L, 124 D.
18	“ <i>acrostichoides.</i> Swtz.....	115 L, 124 D, 46 J.
19	<i>Cystopteris fragilis.</i> Bernh.....	46 J, 47 I.
20	<i>Strutiopteris germanica.</i> Willd.....	Collection.
21	<i>Onoclea sensibilis.</i> L.....	115 L, 124 D.
22	<i>Cyrtomium falcatum.</i> Lh.....	Collection.
23	<i>Woodsia obtusa.</i> Torr.....	“
24	“ <i>Iloensis.</i> R. Br.....	“
25	<i>Lomaria spicant.</i> L.....	“

HARDY PERENNIAL AND ALPINE PLANTS—(Continued.)

	I. ACOTYLEDONES. FILICFS.	LOCALITY. (Reference to Map.)
26	<i>Lygodium palmatum</i> . Swtz.....	Collection.
27	“ <i>scandens</i> . Hort.....	“
28	<i>Osmunda regalis</i> . L.....	“
29	“ <i>Claytoniana</i> . L.....	“
30	“ <i>cinamomea</i> . L.....	47 J, 112 J.
31	<i>Lycopodium dendroideum</i> . Mchx.....	Collection.
32	“ <i>clavatum</i> . L.....	“
	B. MONOCOTYLEDONES. GRAMINEÆ.	
33	<i>Aira cæspitosa</i> . Fol. var. Hort.....	Collection.
34	<i>Lizania aquatica</i> . L.....	“
35	<i>Stipa pennata</i> . L.....	“
36	“ <i>gigantea</i> . Hort.....	“
37	“ <i>juncea</i> . L.....	“
38	<i>Elymus glauca</i> . Hort.....	“
39	<i>Briza media</i> . L.....	“
40	<i>Erianthus Ravennæ</i> . Ten.....	119 U.
41	<i>Festuca glauca</i>	Collection.
42	“ <i>gigantea</i>	“
43	<i>Gymnotrix latifolia</i>	“
44	<i>Holcus lanatus</i> . Fol. var. Hort.....	“
45	<i>Imperata sachariflora</i>	“
46	<i>Phalaris arundinacea</i> . Fol. var. Hort.....	20 V, 5 and 6 O, 119 U.
47	<i>Arundo Donax</i> . L.....	Collection.
48	“ “ <i>versicolor</i> . Hort.....	45 N.
49	<i>Uniola latifolia</i> . Mchx.....	Collection.
50	<i>Bromus brizæformis</i> . Kth.....	“

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

B. MONOCOTYLEDONES.		LOCALITY.
GRAMINEÆ.		(Reference to Map.)
51	<i>Gynerium argenteum</i> . Nees.....	Collection.
52	<i>Arundinaria macrosperma</i> . Mchx.....	“
53	“ <i>falcata</i> . Lk.....	“
CYPERACEÆ.		
54	<i>Cyperus dentatus</i> . Torr.....	122 N.
55	<i>Killingia pumila</i> . Mchx.....	Collection.
56	<i>Scirpus pungens</i> . Vahl.....	122 N.
57	<i>Eriophorum latifolium</i> . L.....	Collection.
58	“ <i>cyperinum</i> . L.....	“
59	“ <i>vaginatum</i> . L.....	“
60	<i>Carex Japonica</i> . Sieb.....	119 U.
JUNCACEÆ.		
61	<i>Juncus effusus</i> . L.....	119 U.
62	“ <i>insignis</i> . Tries.....	Collection.
63	“ <i>acuminatus</i> . Mchx.....	119 U.
TYPHACEÆ.		
64	<i>Typha latifolia</i> . L.....	45 N, 133 M
65	“ <i>angustifolia</i> . L.....	45 N.
ALISMACEÆ.		
66	<i>Alisma Plantago</i> . L.....	133 M, 45 N.
67	<i>Sagittaria lancifolia</i> . L.....	45 N.
68	“ <i>variabilis</i> . Fngelm.....	45 N.
69	“ <i>heterophylla</i> . Pursh.....	45 N.
MELANTHIACEÆ.		
70	<i>Melanthium virginicum</i> . L.....	Collection.
71	<i>Helonias bullata</i> . L.....	“

HARDY PERENNIAL AND ALPINE PLANTS—(Continued.)

	B. MONOCOTYLEDONES.	LOCALITY.
	MELANTHIACEÆ.	(Reference to Map.)
72	<i>Veratrum viride</i> . Ait.....	116 I, 114 B, 116 L.
73	“ <i>nigrum</i> . L.....	Collection.
74	<i>Xerophyllum asphodeleum</i> . Nutt.....	“
75	<i>Chamælririum luteum</i> . Willd.....	
76	<i>Colchicum auctumnale</i> . L.....	119 U.
77	“ <i>maximum</i> . Hort.....	Collection.
78	“ <i>Byzanthinum</i> . Hort.....	“
	DIOSCOREÆ.	
79	<i>Dioscorea alata</i> . Lk.....	123 V.
80	“ <i>Japonica</i> . Sieb.....	123 V.
	SMILACEÆ.	
81	<i>Smilax rotundifolia</i> . L.....	42 L, 42 Q, 101 N.
82	<i>Trillium grandiflorum</i> . Salisb.....	Collection.
83	<i>Uvularia grandiflora</i> . Smith.....	“
84	“ <i>perfoliata</i> . L.....	“
85	<i>Smilacina racemosa</i> . L.....	123 V.
86	“ <i>stellata</i> . Desf.....	120 W.
87	<i>Convallaria majalis</i> . L.....	120 W, 73 J, 42 M.
88	“ <i>japonica</i>	Collection.
89	<i>Majanthemum bifoliatum</i> . L.....	42 M, 43 I, 120 W.
90	<i>Polygonatum latifolium</i> . L.....	120 W.
91	“ <i>multiflorum</i> . Willd.....	120 W, 40 P.
92	“ <i>giganteum</i> . Dietr.....	Collection.
93	<i>Ophiopogon Japonicum</i> . Fol. var. Sieb.....	“
94	“ <i>Jaburan</i> . Fol. var. Sieb.....	“
95	<i>Tricyrtis hirta</i>	“
96	“ <i>nigra grandiflora</i> . Hort.....	“

HARDY PERENNIAL AND ALPINE PLANTS—(Continued.)

B. MONOCOTYLEDONES.		LOCALITY.
SMILACEÆ.		(Reference to Map.)
97	<i>Rhuscus aculeatus</i> . L.....	120 W, 46 K.
98	“ <i>thyppophyllum</i> . Kth.....	Collection.
99	“ <i>racemosus</i> . L.....	120 W, 46 K.
100	“ <i>Hypoglossum</i> . Kth.....	Collection.
LILIACEÆ.		
101	<i>Tulipa sylvestris</i> . L.	120 W, 42 N.
102	“ <i>cornuta</i> Redouti.....	Collection.
103	“ <i>præcox</i> . Gr. et. Godr.....	120 W, 46 K, 12, 13 and 14 Z ¹ .
104	“ <i>turcica</i> . Roth.....	120 W.
105	“ <i>Gesneriana</i> . Bunge.....	120 W.
106	“ <i>Oculus Solis</i> . St. Amand.....	12, 13 and 14 Z ¹ , 120 W.
107	<i>Narcissus poeticus</i> . L.....	46 K, 42 N.
108	“ <i>Tacetta</i> . L.....	12, 13 and 14 Z ¹ .
109	“ <i>incomparabilis</i> . Hort.....	120 W.
110	“ <i>centifolius</i> . Hort.....	Collection.
111	“ <i>biflorus</i> . Hort.....	“
112	“ <i>Corbalaria</i> . Willd.....	120 W, 46 K.
113	“ <i>radiiflorus</i> . Lk.....	Collection.
114	“ <i>angustifolius</i> . Hort.....	“
115	“ <i>major</i> . Hort.....	“
116	“ <i>moschatus</i> . Hort.....	120 W.
117	“ <i>Jonquilla</i> . Hort.....	120 W, 12, 13 and 14 Z ¹ .
118	<i>Fritillaria meleagris</i> . L.....	Collection.
119	“ <i>imperialis</i> . L.....	120 W.
120	“ <i>persica</i> . Pall.....	120 W.
121	“ <i>Kamschatica</i> . Ledb.....	Collection.
122	<i>Lilium Philadelphicum</i> . L.....	104 H.
123	“ <i>Canadense</i> . L.....	111 H.

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

B. MONOCOTYLEDONES.		LOCALITY.
LILIACEÆ.		(Reference to Map.)
124	<i>Lilium saperbum</i> . L.....	Collection.
125	“ <i>longiflorum</i> . Thunb.....	120 W.
126	“ <i>auratum</i> . Lindl.....	29 G, 123 Y, 47 K.
127	“ <i>tigrinum</i> . L.....	123 Y, 47 I.
128	“ <i>testaceum</i> . D. C.....	Collection.
129	“ <i>speciosum</i> . Thunb.....	123 Y, 47 I.
130	“ <i>lancifolium</i> . Hort.....	47 I, 47 K.
131	“ <i>umbellatum</i> . Thunb.....	120 W.
132	“ <i>Martagon</i> . L.....	Collection.
133	“ <i>bulbiferum</i> . L.....	47 K.
134	“ <i>eximeum</i> . Van Houtte.....	Collection.
135	“ <i>giganteum</i> . Herb.....	“
136	“ <i>candidum</i> . L.....	147 K, 47 I, 121 V.
137	“ <i>Colchicum</i> . Hort.....	Collection.
138	<i>Erythronium dens-canis</i> . L.....	120 W.
139	“ <i>albidum</i> . Nutt.....	Collection.
140	“ <i>americanum</i> . Smth.....	125 O, 126 P, 122 M, 42 N.
141	<i>Galanthus nivalis</i> . L.....	47 I, 120 W.
142	<i>Leucojum vernum</i> . L.....	120 W.
143	“ <i>æstivum</i> . L.....	Collection.
AMARYLLIDÆ.		
144	<i>Sternbergia lutea</i>	Collection.
145	<i>Crinum capense</i> . (<i>Amar longifol</i>).....	“
146	<i>Alstroemeria chilensis</i> . Hort.....	“
HEMEROCALLIDÆ.		
147	<i>Hemerocallis fulva</i> . L.....	19 W, 6 O, 27 L.
148	“ <i>flava</i> . Lk.....	Collection.

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

B. MONOCOTYLEDONES.		LOCALITY.
HEMEROCALLIDEÆ.		(Reference to Map.)
149	<i>Hemerocallis lutea</i> . Kth.....	120 W.
150	“ <i>Kwanso</i> . Sieb.....	Collection.
151	“ <i>graminifolia</i> . Bot. Mag.....	“
152	<i>Funkia ovata</i> . Sprgl.....	120 W.
153	“ “ <i>albo-marginata</i> . Hook.....	120 W.
154	“ <i>lancifolia</i> . Sprgl.....	Collection.
155	“ <i>marginata</i> . Sieb.....	“
156	“ <i>undulata</i> . O et Dietr.....	120 W, 46 O.
157	“ <i>Sieboldiana</i> . Hook.....	Collection.
158	“ <i>cucullata</i> . Hort.....	“
159	“ <i>alba</i> (<i>grandiflora</i>). Hort.....	46 O, 45 N.
160	“ <i>Fortunis</i> . Sieb.....	Collection.
161	“ <i>subcordata</i> . Sprgl.....	“
162	<i>Yucca filamentosa</i> . L.....	3 and 5 P, 36 N, 57 G, 63 E.
163	“ <i>flaccida</i> . Tucc.....	119 U.
164	“ <i>gloriosa</i> . L.....	Collection.
ASPHODELEÆ.		
165	<i>Asphodelus luteus</i>	Collection.
166	“ <i>albus</i>	“
167	<i>Anthericum Liliago</i>	119 U, 120 X.
168	“ <i>Liliastrum</i>	Collection.
169	“ <i>ramosum</i>	“
170	<i>Asparagus officinalis</i> . L.....	46 H.
171	“ <i>longifolius</i> . D. C.....	Collection.
172	“ <i>verticillatus</i> . D. O.....	“
173	<i>Ornithogalum umbellatum</i> . L.....	“
174	“ <i>nutans</i> . Willd.....	“
175	“ <i>lacteum</i> . Willd.....	“

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

B. MONOCOTYLEDONES.		LOCALITY.
ASPHODELEÆ.		(Reference to Map.)
176	<i>Scilla Sibirica</i> . Hort.....	46 H, 120 X, 119 U.
177	“ <i>amoena</i> . L.....	Collection.
178	“ <i>bifolia</i> . Willd.....	“
179	“ <i>campanulata</i> . L.....	“
180	“ <i>cernua</i> . Kth. and B.....	119 U.
181	<i>Hyacinthus orientalis</i> . L.....	12, 13 and 14 Z, 46 H.
182	<i>Muscari botryoides</i> . L.....	Collection.
183	“ <i>comosus</i> . L.....	“
184	“ <i>mosohatus</i> . L.....	“
185	“ <i>plumosus</i> . Willd.....	“
186	“ <i>racemosus</i> . Hort.....	“
187	<i>Allium Moly</i> . L.....	“
188	“ <i>azureum</i> . Hort.....	“
189	“ <i>Victorale</i>	“
190	<i>Aletris farinosa</i> . L.....	“
191	<i>Tritoma Uvaria</i> . Lk.....	“
192	“ <i>Roeperi</i> . Lk.....	“
193	“ <i>grandiflora</i> . Hort.....	“
COMMELINEÆ.		
194	<i>Tradescantia virginica</i> . L.....	24 N, 3 N, 18 X, 21 Z, 14 Q.
195	“ “ <i>flora pleno</i> . Hort.....	Collection.
196	“ <i>viridis</i> . Hort.....	“
PONTEDERIACEÆ.		
197	<i>Pontederia cordata</i> . L.....	Collection.
IRIDEÆ.		
198	<i>Crocus vernus</i> . L.....	12, 13 and 14 Z, 73 L.
199	“ <i>sativus</i> . L.....	119 U.

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

B. MONOCOTYLEDONES.		LOCALITY.
IRIDÆÆ.		(Reference to Map.)
200	<i>Crocus speciosus</i> . Lk.....	Collection.
201	<i>Gladiolus communis</i> . L.....	43 L, 119 U.
202	“ <i>Byzanthinus</i> . Willd.....	119 U.
203	“ <i>Colvilli</i> . Lk.....	Collection.
204	<i>Iris versicolor</i> . L.....	45 N, 116 J.
205	“ <i>Virginica</i> . L.....	45 N, 116 J, 123 N.
206	“ <i>albiensis</i> . Hort.....	Collection.
207	“ <i>foetidissima</i> fol. var. Hort.....	“
208	“ <i>Germanica</i> . L.....	123 N, 116 J, 45 N, 35 O.
209	“ <i>Florentina</i> . Kch.....	35 O, 119 U.
210	“ <i>graminea</i> . Hort.....	119 U.
211	“ <i>Guildenstædti</i> . Willd.....	Collection.
212	“ <i>Japonica</i> . Sieb.....	45 N, 6 O, 119 U.
213	“ <i>Pseudo-acorus</i> . L.....	Collection.
214	“ <i>pumila</i> . L.....	119 U, 63 F, 47 Q.
215	“ <i>sambucina</i> . Lk.....	Collection.
216	“ <i>cuprea</i> . Pursh.....	“
217	“ <i>cristata</i> . Ait.....	“
218	<i>Pardanthus Chinensis</i> . Ker.....	44 Q, 119 U.
219	<i>Tritelleya uniflora</i> . V. H.....	Collection.
220	<i>Sisyrinchium Bermudianum</i> . L.....	“
ORCHIDÆÆ.		
221	<i>Orchis latifolia</i> . L.....	Collection.
222	“ <i>maculata</i> . L.....	“
223	“ <i>militaris</i> . L.....	“
224	“ <i>morio</i> . L.....	“
225	“ <i>mascula</i> . L.....	“
226	<i>Ophrys apifera</i>	“

HARDY PERENNIAL AND ALPINE PLANTS—(Continued.)

	B. MONOCOTYLEDONES. ORCHIDÆÆ.	LOCALITY. (Reference to Map.)
227	<i>Habenaria tridentata</i> . Hook.....	Collection.
228	“ <i>ciliaris</i> . R. Br.....	“
229	<i>Goodiera repens</i> . R. Br.....	“
230	“ <i>pubescens</i> . R. Br.....	“
231	<i>Spiranthes latifolia</i> . Ton.....	“
232	“ <i>graminea</i> . Lindl.....	“
233	<i>Cacallorhiza multiflora</i> . Nutt.....	“
234	<i>Cypripedium parviflorum</i> . Salieb.....	“
235	“ <i>spectabilis</i> . Scotz.....	“
236	“ <i>acaule</i> . Ait.....	“
237	“ <i>Calceolus</i> . L.....	“
238	“ <i>pubescens</i> . Willd.....	“
	AROIDEÆ.	
239	<i>Arisaema triphylla</i> . Torr.....	46 N.
240	“ <i>Dracontium</i> . Schott.....	Collection.
241	“ <i>ringens</i> . Lucc.....	“
242	“ <i>serotina</i> . Wort.....	“
243	<i>Peltandra Virginica</i> . Rafi.....	“
244	<i>Calla palustris</i> . L.....	46 N.
245	<i>Symplocarpus foetidus</i> . Salisb.....	116 L, 115 E, 122 N, 104 B.
246	<i>Orontium aquaticum</i> . L.....	Collection.
247	“ <i>Japonicum</i> . S. and L.....	“
248	<i>Acorus Calamus</i> . L.....	46 N, 116 I.
249	“ <i>gramiaifolius</i> , fol. var. Hort.....	Collection.
250	<i>Arum Dracunculus</i> . L.....	46 N, 119 U.
251	“ <i>maculatum</i> . Sch.....	Collection.
252	“ <i>italicum</i> . Endl.....	“
253	“ <i>cornutum</i> . Willd.....	“

HARDY PERENNIAL AND ALPINE PLANTS—(Continued.)

	C. DICOTYLEDONES. RANUNCULACEÆ.	LOCALITY. (Reference to Map.)
254	Ranunculus repens. L. var. fl. pl.	45 P.
255	“ acris. L. var. fl. pl.	Collection.
256	“ aconitifolius, pl. Hort.	“
257	“ Asiaticus. L.	“
258	Caltha palustris. L. var. fl. pl.	“
259	Trollius Europæus. D. C.	“
260	“ Asiaticus. Bot. Mag.	“
261	“ laxus. Salisb.	
262	Helleborus niger. L.	45 P, 119 U, 44 Q.
263	“ viridis. D. C.	Collection.
264	“ purpurascens. B. F. G.	“
265	“ Orientalis. R. Br.	“
266	Paeonia herbacea. L.	
267	“ officinalis. L.	
268	“ tennifolia, fl. pl. Hort.	
269	Aquilegia Canadensis. L.	54 H, 45 G, 50 K, 133 K.
270	“ vulgaris. D. C.	43 E, 63 F, 46 L.
271	“ Skinneri. V. H.	Collection.
272	“ alpina. Rchb.	“
273	“ leptoceras. Hort.	“
274	“ Sibirica. Pall.	“
275	“ stellata. Reg.	“
276	“ jucunda. Hort.	“
277	“ glandulosa. Sk.	“
278	Delphinium exaltatum. Ait.	“
279	“ azureum. Mchx.	“
280	“ grandiflorum. Hook.	“
281	“ Chinense. L.	63 F, 120 W.

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

C. DICOTYLEDONES.		LOCALITY.
RANUNCULACEÆ.		(Reference to Map.)
282	<i>Delphinium elatum</i> . Rchb.....	46 L, 119 U, 120 W.
283	“ <i>formosum</i> . Doogl.....	46 M, 119 U, 120 W.
284	“ <i>tricornis</i> . Michx.....	Collection.
285	“ <i>nudicaule</i> . Tor. and Gr.....	“
286	<i>Aconitum Napellus</i> . D. C.....	“
287	“ <i>Japonicum</i> . Klf.....	“
288	“ <i>ochrobecum</i> . D. C.....	“
289	“ <i>Stoerkianum</i> . Nees.....	“
290	“ <i>variegatum</i> . Rchb.....	“
291	<i>Actæa spicata</i> . L.....	120 W.
292	“ <i>alba</i> . Brgel.....	Collection.
293	“ <i>brachypoda</i> . Eli.....	“
294	<i>Cimicifuga racemosa</i> . Eli.....	120 W.
295	<i>Clematis Viorna</i> . L.....	Collection.
296	“ <i>cylindrica</i> . Sinn.....	“
297	“ <i>Virginica</i> . L.....	120 W.
298	“ <i>montana</i> . T. and Gr.....	Collection.
299	“ <i>ereoba</i> . D. C.....	“
300	“ <i>integrifolia</i> . Bot. Mag.....	“
301	“ <i>Alpina</i> . D. C.....	“
302	“ <i>angustifolia</i> . D. C.....	“
303	<i>Adonis vernalis</i> . L.....	63 and 64 F, 120 W.
304	<i>Anemone multiflora</i> . D. C.....	Collection.
305	“ <i>narcissiflora</i> . Bot. Mag.....	“
306	“ <i>Japonica</i> . Bot. Mag.....	“
307	“ <i>coronaria</i> . D. C.....	“
308	“ <i>Pennsylvanica</i> . L.....	“
309	“ <i>palmata</i> . R. Br.....	“

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

	C. DICOTYLEDONES. RANUNCULACEÆ.	LOCALITY. (Reference to Map.)
310	<i>Anemone nemorosa</i> . L.....	110, 111, 112 H and I.
311	“ <i>Appenina</i> . D. C.....	Collection.
312	“ <i>sylvestris</i> . L.....	116, 117, 118 K.
313	“ <i>Pulsatilla</i> . L.....	Collection.
314	“ <i>ranunculoides</i> pl. Hort.....	“
315	<i>Hepatica triloba</i> . Chaip.....	119 L, 117 K.
316	<i>Thalictrum anemoneoides</i> . Mchx.....	116 L, 116, 110-112 K.
317	“ <i>dioicum</i> . L.....	127 Q.
318	“ <i>clavatum</i> . D. C.....	Collection.
319	“ <i>aquilegiæfolium</i> . D. C.....	“
320	“ <i>minus</i> . D. C.....	“
321	“ <i>glaucum</i> . Hort.....	“
	BERBERIDEÆ.	
322	<i>Caulophyllum thalictroides</i> . Mchx.....	Collection.
323	<i>Diphylla cymosa</i> . Mchx.....	“
324	<i>Jeffersonia diphylla</i> . Pers.....	“
325	<i>Podophyllum peltatum</i> . L.....	116 O, 113 N.
326	“ <i>Emodi</i> . Wall.....	Collection.
	NYMPHÆACEÆ.	
327	<i>Brassenia peltata</i> . Pursh.....	Collection.
328	<i>Nelumbium luteum</i> . Willd.....	“
329	<i>Nymphaea odorata</i> . Ait.....	45 K, 45 L, 46 M.
330	“ <i>alba</i> . L.....	Collection.
331	<i>Nuphar advena</i> . Ait.....	45 K, 46 M.
332	“ <i>luteum</i> . Smith.....	Collection.
	SARRACENIACEÆ.	
333	<i>Sarracenia purpurea</i>	Collection.

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

	C. DICOTYLEDONES. PAPAVERACEÆ.	LOCALITY. (Reference to Map.)
334	<i>Papaver orientale</i> . L.....	Collection.
335	“ <i>bracteatum</i> . D. C.....	“
336	“ <i>nudicaule</i> . D. C.....	Collection.
337	“ <i>alpinum</i> . D. C.....	“
338	<i>Chelidonium majus</i> . L.....	“
339	“ <i>Japonicum</i> . Sieb.....	“
340	<i>Bocconia cordata</i> . Willd.....	27 R, 36 N, 118 M.
341	<i>Sanguinaria Canadensis</i> . L.....	Collection.
	FUMARIACEÆ.	
342	<i>Adlumia cirrhosa</i> . Rafi.....	44 M.
343	<i>Dicentra cucullaria</i> . D. C.....	44 M, 112 E.
344	“ <i>eximia</i> . D. C.....	Collection.
345	“ <i>spectabilis</i> . Rgl.....	4 Q, 3 M, 22 V, 37 Z.
346	<i>Corydalis aurea</i> . Willd.....	Collection.
347	“ <i>nobilis</i> . D. C.....	“
348	“ <i>bulbosa</i> . D. C.....	“
349	“ <i>capnoidea</i> . Hort.....	“
	CRUCIFERÆ.	
350	<i>Cardamine pratensis</i> . L.....	“
351	<i>Arabis albida</i> . D. C.....	“
352	“ <i>bellidifolia</i> . D. C.....	“
353	“ <i>lucida</i> . Fol. var. Hort.....	“
354	<i>Draba alpina</i> . D. C.....	“
355	“ <i>aizoides</i> . D. C.....	“
356	<i>Alyssum saxatile</i> . D. C.....	“
357	“ <i>alpestre</i> . D. C.....	“
358	<i>Aubrietia deltoidea</i> . D. C.....	“

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

	C. DICOTYLEDONES. CRUCIFERÆ.	LOCALITY. (Reference to Map.)
359	<i>Aubrietia purpurea</i> . B. F. G.....	Collection.
360	“ <i>græca</i> . D. C.....	“
361	<i>Cheiranthus alpinus</i> . D. C.....	“
362	<i>Erinus alpinus</i> . D. C.....	“
363	<i>Iberis Gibraltica</i> . Bot. Mag.....	“
364	“ <i>Tenoriana</i> . D. C.....	“
365	“ <i>sempervirens</i> . L.....	119 U.
	VIOLACEÆ.	
366	<i>Viola odorata</i> . L.....	Collection.
367	“ <i>cornuta</i> . D. C.....	45 P, 62 and 63 F.
368	“ <i>lutea</i> . Hort.....	Collection.
369	“ <i>pedata</i> . B. F. G.....	“
370	“ <i>altaica</i> . Pall.....	“
371	“ <i>cucullata</i> . Ait.....	42-44 L, 56-58 C.
372	“ <i>Canadensis</i> . L.....	42-44 L, 56-58 C.
373	“ <i>tricolor</i> . Var. Hort.....	Collection.
374	“ <i>rotundifolia</i> . Mchx.....	“
375	<i>Erpetion reniforme</i> . Mill.....	“
	CISTACEÆ.	
376	<i>Helianthemum vulgare</i> . L.....	63 F.
377	“ <i>mutabile</i> . D. C.....	Collection.
378	“ <i>alpestre</i> . D. C.....	“
379	“ <i>Canadenses</i> . Mchx.....	63 F.
380	“ <i>corymbosum</i> . Mchx.....	Collection.
381	<i>Hudsonia cricoides</i> . L.....	“
	DROSERACEÆ.	
382	<i>Drosera rotundifolia</i> . L.....	“
383	“ <i>filiformis</i> . Raf.....	“

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

	C. DICOTYLEDONES. HYPERICACEÆ.	LOCALITY. (Reference to Map.)
384	<i>Hypericum perforatum</i> . L.....	63 F.
385	“ <i>nudiflorum</i> . Mchx.....	Collection.
386	“ <i>Canadense</i> . L.....	63 F.
	CARYOPHYLLÆÆ.	
387	<i>Dianthus Caryophyllus</i> . L.....	Collection.
388	“ <i>fimbriatus</i> . D. C.....	119 U.
389	“ <i>petræus</i> . B. F. G.....	Collection.
390	“ <i>barbatus</i> . D. C.....	63 T, 2-5 O.
391	“ <i>plumarius</i> . D. C.....	4 O, 65 F.
392	“ <i>superbus</i> . Willd.....	Collection.
393	“ <i>Chinensis</i> . Hort.....	2-5 O, 29 G.
394	“ <i>deltoides</i> . L.....	Collection.
395	“ <i>mulei</i> . Hort.....	“
396	“ <i>imperialis</i> . Hort.....	“
397	“ <i>laciniatus</i> . Hort.....	29 G, 65 F, 45 P.
398	“ <i>arenarius</i> . L.....	Collection.
399	“ <i>Seguerii</i> . D. C.....	“
400	“ <i>Tymphrestens</i> . Hort. Harg.....	“
401	<i>Saponaria officinalis</i> . L.....	45 P, 50 K.
402	“ <i>Caucasica</i> . Hort. V. H.....	Collection.
403	<i>Silene Pennsylvanica</i> . Mchx.....	“
404	“ <i>Schafta</i> . A. Br.....	“
405	“ <i>Regia</i> . Suris.....	“
406	“ <i>acaulis</i> . L.....	“
407	“ <i>alpestris</i> . D. C.....	“
408	“ <i>maritima</i> . D. C.....	“
409	“ <i>Saxifraga</i> . D. C.....	“
410	<i>Lychnis flos-cuculi</i> . L.....	“

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

	C. DICOTYLEDONES. CARVOPHYLLÆÆ.	LOCALITY. (Reference to Map.)
411	<i>Lychnis viscaria</i> . L.....	Collection.
412	<i>Stellaria Holostea</i> . L.....	119 and 120 E.
413	<i>Cerastium Biebersteini</i> . Lk.....	63 and 64 F.
414	“ <i>tomentosum</i> . D. C.....	63 and 64 F.
415	“ <i>alpinum</i> . D. C.....	Collection.
416	<i>Sagina procumbens</i> . L.....	119 E.
	PORTULACÆÆ.	
417	<i>Claytonia Virginica</i> . L.....	114 and 115 D.
	MALVACÆÆ.	
418	<i>Malva rotundifolia</i> . L.....	Collection.
419	“ <i>moschata</i> . L.....	“
420	<i>Althæa rosea</i> . Cav. var. pl.....	32 Z, 130 K, 132 and 133 M.
421	<i>Callirrhoe pedata</i> . Hort.....	Collection.
422	<i>Hybiscus moscheutos</i> . L.....	“
423	“ <i>militaris</i> . Cav.....	120-122 N, 45 N.
424	“ <i>grandiflorus</i> . Mchx.....	45 N, 119 U.
	LINACÆÆ.	
425	<i>Linum flavum</i> . D. C.....	Collection.
426	“ <i>perenne</i> . Korh.....	45 Q, 63 F.
	GERANIACÆÆ.	
427	<i>Geranium sanguineum</i> . L.....	Collection.
428	“ <i>tuberosum</i> . D. C.....	45 Q.
429	“ <i>pratense</i> . L.....	45 Q.
430	“ <i>aconitifolium</i> . D. C.....	Collection.
431	“ <i>nodosum</i> . D. C.....	“
432	<i>Erodium Reichardii</i> . D. C.....	“

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

	C. DICOTYLEDONES.	LOCALITY.
	OXALIDEÆ.	(Reference to Map.)
433	<i>Oxalis violacea</i> . L.....	Collection.
434	“ <i>corniculata macrantha</i> . Hort.....	45 Q.
	RUTACEÆ.	
435	<i>Ruta graveolens</i> . L.....	Collection.
	ONAGRARIÆ.	
436	<i>Gaura Lindheimeri</i> . Hort.....	“
437	<i>Epilobium angustifolium</i> . L.....	“
438	“ <i>alpinum</i> . L.....	“
439	<i>Oenothera fruticosa</i> . L.....	45 Q.
440	“ <i>chrysantha</i> . Mchx.....	Collection.
441	“ <i>pumila</i> . L.....	“
442	“ <i>Missouriensis</i> . B. M.....	“
443	“ <i>riparia</i> . Nutt.....	“
444	“ <i>Frazeri</i> . Hort.....	“
445	“ <i>speciosa</i> . Hort.....	“
446	“ <i>taraxacifolia</i> . Hort.....	“
	MELASTOMEÆ.	
447	<i>Rhexia Virginica</i> . L.....	“
	LYTHRACEÆ.	
448	<i>Lythrum Salicaria</i> . L.....	“
449	“ <i>elatum</i> . Pursh.....	“
450	“ <i>speciosum</i> . Hort.....	“
	CACTEÆ.	
451	<i>Opuntia vulgaris</i> . L.....	“
452	“ <i>Rafinesqui</i> . Engolm.....	45 Q, 63 F, 3 P, 131 and 132 L.

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

C. DICOTYLEDONES.		LOCALITY.
PASSIFLOREÆ.		(Reference to Map.)
453	<i>Passiflora lutea</i> . L.....	Collection.
454	“ <i>incarnata</i> . L.....	“
CUCURBITACEÆ.		
455	<i>Thladiantha dubia</i> . Kth.....	46 M.
UMBELLIFORÆ.		
456	<i>Eryngium amethystinum</i> . D. C.....	Collection.
457	“ <i>planum</i> . D. C.....	“
458	“ <i>aquaticum</i> . L.....	“
459	“ <i>alpinum</i> . D. C.....	“
460	<i>Heracleum lanatum</i> . Mchx	
461	“ <i>persicum</i> . Lk.....	41 R, 21 Z, 65 G.
462	“ <i>sibiricum</i> . L.....	119 U and Collection.
463	“ <i>asperum</i> . Willd.....	Collection.
464	“ <i>eminens</i> . C. Korh.....	“
465	“ <i>Lehmannianum</i> . Bunge.....	“
466	“ <i>Leichtlinii</i> . Sieb.....	“
467	“ <i>platytænium</i> . Sieb.....	“
468	“ <i>spondilium</i> . L.....	“
CORNACEÆ.		
469	<i>Cornus Canadensis</i> . L.....	“
RUBIACEÆ.		
470	<i>Galium Aparine</i> . L.....	119 U.
471	<i>Mitchella repens</i> . L.....	Collection.
472	<i>Asperula odorata</i> . L.....	40 and 41 M.
473	<i>Crucianella stylosa</i> . D. C.....	59 E.
474	<i>Rubia tinctoria</i> . L.....	Collection.

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

	C. DICOTYLEDONES. VALERIANEÆ.	LOCALITY. (Reference to Map.)
475	<i>Centranthus ruber.</i> Willd.	Collection.
476	<i>Valeriana odorata.</i> Hort.	"
	COMPOSITÆ.	
477	<i>Vernonia novæ-boracensis.</i> Willd.	"
478	<i>Liatris squarrosa.</i> Willd.	120 W, 44 L.
479	" <i>scariosa.</i> Willd.	Collection.
480	" <i>elegans.</i> Willd.	"
481	" <i>spicata.</i> Willd.	120 W, 44 L.
482	<i>Eupatorium purpureum.</i> L.	Collection.
483	" <i>album.</i> L.	"
484	" <i>aromaticum.</i> L.	"
485	<i>Mikania scandens.</i> L.	"
486	<i>Nardosmia fragrans.</i> Willd.	"
487	" <i>palmata.</i> Hook.	"
488	<i>Tussilago Farfara.</i> L.	"
489	" <i>Petasites.</i> L.	120 W.
490	<i>Petasites nivea.</i> Kch.	Collection.
491	" <i>alpina.</i> Kch.	"
492	<i>Aster alpinus.</i> D. C.	"
493	" <i>grandiflorus.</i> R. Br.	"
494	" <i>novæ-anglicæ.</i> L.	96 B, 102 K, 100 I, 128 S.
495	" <i>squarrulosus.</i> D. C.	Collection.
496	" <i>dumosus.</i> D. C.	"
497	" <i>ericoides.</i> L.	128 S, 102 K, 112-114 O.
498	" <i>horizontalis.</i> L.	114 O, 120 R.
499	" <i>humifosus.</i> L.	120 R, 116 M.
500	" <i>spectabilis.</i> Ait.	Collection.
501	" <i>multiflorus.</i> Ait.	116 M, 120 and 121 O.

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

C. DICOTYLEDONES.		LOCALITY.
COMPOSITÆ.		(Reference to Map.)
502	<i>Erigeron glabellum</i> . Nutt.....	Collection.
503	“ <i>grandiflorum</i> . Hort.....	“
504	“ <i>Hoopesii</i> . Hort.....	“
505	<i>Boltonia giastifolia</i> . L'Her.....	“
506	<i>Bellis perennis</i> . L.....	45 Q.
507	<i>Solidago multiradiata</i> . L.....	Collection.
508	“ <i>ambigua</i> . L.....	113-115 O.
509	“ <i>Canadensis</i> . L.....	123 O.
510	“ <i>latifolia</i> . L.....	123 O.
511	“ <i>mollis</i> . L.....	Collection.
512	“ <i>Virga-aurea</i> . L.....	113-115 O, 114 P, 109 and 110 D.
513	“ <i>odora</i> . Ait.....	101-103 B.
514	<i>Polymnia Canadensis</i> . L.....	Collection.
515	“ <i>Uvedalia</i> . L.....	“
516	<i>Silphium laciniatum</i> . L.....	“
517	“ <i>perfoliatum</i>	120 T.
518	<i>Echinacea purpurea</i> . Mench.....	Collection.
519	“ <i>intermedia</i> . Hook.....	“
520	“ <i>angustifolia</i> . D. C.....	“
521	<i>Rudbeckia speciosa</i> . Wendroth.....	“
522	“ <i>fulgida</i> . Ait.....	120 T.
523	“ <i>hirta</i> . L.....	Collection.
524	“ <i>laciniata</i> . L.....	“
525	<i>Helianthus angustifolius</i> . L.....	120 T.
526	“ <i>Orgialis</i> . Hort.....	Collection.
527	“ <i>multiflorus</i> . Fl. pl. Hort.....	“
528	“ <i>tuberosus</i> . L.....	“
529	“ <i>stramosus mollis</i> . L.....	“

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

	C. DICOTYLEDONES. COMPOSITÆ.	LOCALITY. (Reference to Map.)
530	<i>Corcopsis tripteris</i> . L.....	Collection.
531	<i>Achillea millefolium rubrum</i> . Hort.....	119 and 120 T, 22 Y, 4 N.
532	“ <i>Ptarmica</i> . L.....	119 and 120 T.
533	“ <i>alpina</i> . D. C.....	Collection.
534	“ <i>nobilis</i> . Willd.....	“
535	“ <i>tomentosa</i> . D. C.....	44 P, 22 Y, 4 N, 58 and 59 E.
536	<i>Matricaria eximia</i> . Hort.....	58 and 59 E, 22 Y.
537	“ <i>capensis</i> . Willd.....	Collection.
538	“ <i>Parthenium</i> . L.....	“
539	<i>Tanacetum vulgare</i> . L.....	102 T, 4 X, 121 W.
540	<i>Artemisia Stelleriana</i> . Reg.....	102 T, 4 N, 121 W, 59 E, 44 P.
541	“ <i>Dracunculus</i> . L.....	Collection.
542	“ <i>alpina</i> . D. C.....	“
543	“ <i>absinthium</i> . L.....	“
544	“ <i>frigida</i> . Willd.....	“
545	<i>Gnaphalium uliginosum</i> . L.....	“
546	“ <i>Leontopodium</i> . L.....	“
547	“ <i>carpaticum</i> . D. C.....	“
548	“ <i>purpureum</i>	44 P.
549	<i>Antennaria margaritacea</i> . R. Br.....	Collection.
550	“ <i>dioica</i> . D. C.....	44 P, 120 T.
551	“ <i>plantaginea</i> . D. C.....	Collection.
552	“ <i>tomentosa</i> . Hort.....	“
553	<i>Arnica montana</i> . D. C.....	“
554	<i>Onopordon acaule</i> . D. C.....	“
555	“ <i>tauricum</i> . D. C.....	“
556	<i>Cynara cardunculus</i> . Lk.....	35 N.
557	“ <i>Scolymus</i> . L.....	35 N, 121 W.

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

C. DICOTYLEDONES.		LOCALITY.
COMPOSITÆ.		(Reference to Map.)
558	<i>Doronicum caucasicum</i> . D. C.....	Collection.
559	“ <i>orientale</i> . L.....	“
560	<i>Hieracium aurantiacum</i> . L.....	“
LOBELIACEÆ.		
561	<i>Lobelia syphilitica</i> . L.....	105, 106 B.
562	“ <i>cardinalis</i> . L.....	46 L, 46 N.
563	“ <i>fulgens</i> . Kth.....	Collection.
564	“ “ <i>hybrida</i> . Hort.....	“
CAMPANULÆ.		
565	<i>Campanula Americana</i> . L.....	46 L, 59 E.
566	“ <i>glomerata</i> . D. C.....	Collection.
567	“ <i>latifolia</i> . D. C.....	“
568	“ <i>Trachelium</i> . D. C.....	“
569	“ <i>rhomboidalis</i> . D. C.....	“
570	“ <i>pumila</i> . Bot. Mag.....	“
571	“ <i>pulla</i> . Lh.....	“
572	“ <i>pusilla</i> . Hort.....	“
573	“ <i>muralis</i> . Willd.....	“
574	“ <i>medium</i> . L.....	“
575	“ <i>garganica</i> . R. Br.....	“
576	“ <i>barbata</i> . Willd.....	“
577	“ <i>carpatica</i> . Bot. Mag.....	59 E.
578	“ <i>alliariefolia</i> . Kch.....	Collection.
579	“ <i>persicifolia</i> . Willd.....	120 W.
580	“ <i>soldanellifolia</i> . Hort.....	Collection.
581	<i>Wahlenbergia grandiflora</i> . Lk.....	“

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

	C. DICOTYLEDONES.	LOCALITY.
	ERICACEÆ.	(Reference to Map.)
582	<i>Epigæa repens</i> . L.....	Collection.
583	<i>Azalea procumbens</i> . D. C.....	"
584	<i>Leiophyllum buxifolium</i> . Ell.....	"
585	<i>Grimaphila maculata</i> . Pursh.....	"
	PLUMBAGINEÆ.	
586	<i>Plumbago Larpentæ</i> . Bot. Mag.....	44 P.
587	<i>Acantholimon glumaceum</i> . D. C.....	Collection.
588	<i>Statice latifolia</i> . Willd.....	"
589	" <i>tartarica</i> . D. C.....	"
590	" <i>Gmelini</i> . Pall.....	"
591	" <i>Sareptana</i> . Pall.....	"
592	" <i>Limonium</i> . L.....	"
	PRIMULACEÆ.	
593	<i>Primula Auricula</i> . L.....	119 U.
594	" <i>veris</i> . L.....	59 E, 44 P.
595	" <i>acanthis</i> . Hort.....	119 U.
596	" <i>farinosa</i> . L.....	Collection.
597	" <i>cortusoides</i> . D. C.....	"
598	" <i>japonica</i> . Sieb.....	"
599	" <i>integrifolia</i> . Bot. Mag.....	"
600	<i>Cyclamen Europæum</i> . L.....	"
601	<i>Lysimachia thyrsoflora</i> . L.....	"
602	" <i>nummularia</i> . L.....	2-5 O, 132 H, 46 K.
603	<i>Soldanella alpina</i> . D. C.....	Collection.
604	" <i>minima</i> . D. C.....	"
	SCROPHULARINEÆ.	
605	<i>Mazus pumilio</i> . D. C.....	Collection.

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

C. DICOTYLEDONES.		LOCALITY.
SCROPHULARINEÆ.		(Reference to Map.)
606	<i>Linaria Cymbalaria</i> . D. C.	Collection.
607	“ <i>vulgaris</i> . Mill.	“
608	“ <i>alpina</i> . D. C.	“
609	“ <i>triornithophora</i> . Bot. Mag.	“
610	<i>Anthrinum majus</i> . L.	57, 58, E.
611	<i>Verbascum Blattaria</i> . L.	37 E.
612	<i>Scrophularia Japonica</i> . B. M.	Collection.
613	<i>Chelone glabra</i> . L.	“
614	“ <i>Lyonii</i> . Hort.	“
615	<i>Penstemon pubescens</i> . Solland.	“
616	“ <i>Digitalis</i> . Nutt.	“
617	“ <i>ovatus</i> . Willd.	“
618	“ <i>barbatus</i> . Bot. Reg.	“
619	“ <i>procerus</i> . Bot. Reg.	“
620	<i>Mimulus cardinalis</i> . Willd.	“
621	“ <i>atroroseus</i> . Hort.	“
622	<i>Veronica maritima</i> . W.	“
623	“ <i>incana</i> . D. C.	“
624	“ <i>gentianoides</i> . D. C.	22 Z.
625	“ <i>saxatilis</i> . Kch.	Collection.
626	“ <i>prostrata</i> . Willd.	“
627	“ <i>multifida</i> . Bot. Mag.	“
628	“ <i>caucasica</i> . Bot. Col.	“
629	“ <i>sibirica</i> . L.	119 U.
630	“ <i>alpina</i> . L.	Collection.
ACANTHACEÆ.		
631	<i>Ruellia streptans</i> . L.	Collection.
632	<i>Acanthus spinosus</i> . L.	“

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

	C. DICOTYLEDONES.	LOCALITY.
	ACANTHACEÆ.	(Reference to Map.)
633	<i>Acanthus Lusitanicus</i> . D. C.	Collection.
634	“ <i>mollis</i> . D. C.	“
	VERBENACEÆ.	
635	<i>Lippia repens</i> . D. C.	Collection.
	LABIATÆ.	
636	<i>Teucrium pyrenaicum</i> . Bot. Reg.	
637	“ <i>marum</i> . L.	
638	“ <i>Canadense</i> . L.	11 D, 39 V, 50 J.
639	<i>Mentha piperita</i> . L.	Collection.
640	<i>Hyssopus officinalis</i> . L.	“
641	<i>Origanum vulgare</i>	“
642	<i>Thymus Serpyllum</i> . L.	124 T.
643	“ <i>Corsicus</i> . Pers.	Collection.
644	“ <i>citriodorus</i> . Hort.	48 Q.
645	<i>Melissa officinalis</i> . L.	48 Q.
646	<i>Salvia officinalis</i> . L.	48 Q.
647	“ <i>pratensis</i> . L.	Collection.
648	<i>Horminum Pyrenaicum</i> . D. C.	“
649	<i>Monarda didyma</i>	48 Q, 59 E.
650	“ <i>fistulosa</i> . L.	Collection.
651	<i>Dracocephalum Ruisiolanum</i> . D. C.	“
652	“ <i>altaicum</i> . D. C.	Collection.
653	“ <i>grandiflorum</i> . D. C.	“
654	<i>Prunella vulgaris</i> . L.	119 U.
655	<i>Stachys lanata</i> . D. C.	4, 5 O, 12, 13 L and 9Z.
656	“ <i>coerulea</i> . D. C.	Collection.
657	<i>Phlomis tuberosa</i> . L.	“

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

C. DICOTYLEDONES.		LOCALITY.
BORAGINÆÆ.		(Reference to Map.)
658	<i>Echium creticum</i> . D. C.	Collection.
659	<i>Symphitum officinale</i> . L.	“
660	“ <i>asperum</i> . Hort.	“
661	<i>Lithospermum fruticosum</i> . B. M.	“
662	<i>Myosotis palustris</i> . With.	44 K, L, M and N.
663	“ <i>sylvatica</i> . Kch.	58, 59 E.
664	<i>Omphalodes verna</i> . Willd.	45, 46 Q.
665	<i>Anchusa sempervirens</i> . D. C.	Collection.
666	“ <i>italica</i> . D. C.	“
667	<i>Nordmannia cordifolia</i> . D. C.	“
668	<i>Lindelophia spertabilis</i> . Hort.	“
669	<i>Pulmonaria officinalis</i> . L.	“
670	“ <i>Virginica</i> . Willd.	119 U.
671	“ <i>sacharata</i> . Hort.	Collection.
POLEMONIACEÆ.		
672	<i>Polemonium coeruleum</i> . L.	Collection.
673	<i>Phlox paniculata</i> . L.	4 J, 23 Z, 34 O and Q.
674	“ <i>ovata</i> . L.	Collection.
675	“ <i>procumbens</i> . Lehm.	“
676	“ <i>reptans</i> . Michx.	120, 121 W.
677	“ <i>divaricata</i> . Mchx.	Collection.
678	“ <i>verna</i> . Willd.	120, 121 W.
679	“ <i>setacea</i> . L.	48 Q, 22 Z, 3-5 O.
680	“ <i>omniflora</i> . Hort.	Collection.
681	<i>Pixidantha barbulata</i> . Mchx.	“
CONVOLVULACEÆ.		
682	<i>Calystegia sepium</i> . R. Br.	124 O.

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

	C. DICOTYLEDONES. CONVOLVULACEÆ.	LOCALITY. (Reference to Map.)
683	<i>Calystegia dahurica</i> . Willd.....	Collection.
684	“ <i>pubescens</i> fl. pl. Hort.....	122 V.
	SOLANÆÆ.	
685	<i>Solanum Dulcamara</i> . L.....	132 L, 44 I.
686	<i>Physalis Alkekengi</i> . L.....	Collection.
687	<i>Datura Metel</i> . Willd.....	“
688	<i>Nierembergia rivularis</i>	45 N.
	GENTIANÆÆ.	
689	<i>Erythraea centaurium</i> . Pers.....	Collection.
690	<i>Gentiana acaulis</i> . L.....	“
691	“ <i>quinqueflora</i> . Lamb.....	“
692	“ <i>lutea</i>	“
693	“ <i>septemfida</i> . B. Mag.....	“
694	“ <i>asclepiadea</i> . Bot. Mag.....	“
695	<i>Menyanthes trifoliata</i> . L.....	“
	LOGANIACEÆÆ.	
696	<i>Gelsemium luteum</i> . Willd.....	Collection.
697	<i>Spigelia Marylandica</i> . L.....	“
	APOCYNÆÆÆ.	
698	<i>Apocynum androsæmifolium</i> . Moench.....	Collection.
699	<i>Vinca minor</i> . L.....	45 N, 45 K, 46 J, 44 L.
700	“ <i>major</i> . Willd.....	45 I, 45 N, 44 Q.
	ASCLEPIADEÆÆ.	
701	<i>Vincetoxicum nigrum</i> . Moench.....	44 Q, 121 V.
702	<i>Asclepias Cornuti</i> . Decaisn.....	44 Q, 85 B, 12 C.

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

	C. DICOTYLEDONES.	LOCALITY.
	ASCLEPIADÆÆ.	(Reference to Map.)
703	<i>Asclepias purpurea</i> . L.....	Collection.
704	“ <i>syriaca</i> . L.....	“
705	“ <i>incarnata</i> . L.....	“
706	“ <i>tuberosa</i> . L.....	119 U.
	ARISTOLOCHIACÆÆ.	
707	<i>Asarum Europaeum</i> . L.....	Collection.
708	“ <i>Canadense</i> . L.....	“
709	<i>Aristolochia Clematidis</i> . L.....	“
710	“ <i>Serpentaria</i> . L.....	“
	POLYGONÆÆ.	
711	<i>Polygonum Bistorta</i> . L.....	Collection.
712	“ <i>Japonicum</i> . Sieb.....	119 U, 37 K.
713	<i>Rheum undulatum</i> . Willd.....	Collection.
714	“ <i>palmatum</i> . Wall.....	“
	EUPHORBIACÆÆ.	
715	<i>Euphorbia Cyparissias</i> . L.....	28 G, 119 U.
716	“ <i>variegata</i> . Hort.....	Collection.
717	“ <i>Lathyris</i> . L.....	“
718	<i>Pachysandra procumbens</i> . Michx.....	“
719	“ <i>terminalis</i> , fol. var. Hort.....	“
	URTICÆÆ.	
720	<i>Humulus Lupulus</i> . L.....	13, O and P.
	POLYGALEÆÆ.	
721	<i>Polygala Chamaebuxus</i> . D. C.....	Collection.
	LEGUMINOSÆÆ.	
722	<i>Lupinus polyphyllus</i> . Willd.....	Collection.

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

	C. DICOTYLEDONES. LEGUMINOSÆ.	LOCALITY. (Reference to Map.)
723	Lupinus Douglasii. Bot. Mag.....	Collection.
724	“ macrophyllus. B. F. G.....	“
725	Psoralia floribunda. Nutt.....	“
726	Astragalus alpinus. D. C.....	“
727	“ alopecuroides. D. C.....	“
728	“ galegæformis. D. C.....	“
729	Apios tuberosa. Willd.....	13 P and Q.
730	Oxytropis campestris. D. C.....	Collection.
731	Glycyrrhiza glabra. L.....	“
732	Hedysarum coronarium. Willd.....	“
733	“ penduliflorum. Hort.....	“
734	Lotus corniculatus. D. C.....	“
735	Lathyrus grandiflorus. Willd.....	“
736	“ latifolius. D. C.....	22 and 23 Z, 48 C, 119 V.
737	Baptisia Australis. R. Br.....	119 V, 120 U.
738	“ alba. R. Br.....	Collection.
739	Ononis spinosa. L.....	“
740	“ fruticosa. B. Mag.....	“
741	“ rotundifolia. Willd.....	“
742	Galega Persica. Willd.....	121 X.
743	Trifolium rubens. D. C.....	Collection.
744	“ repens nigrum. Hort.....	121 X.
745	Thermopsis fabacea. D. C.....	Collection.
746	Cassia Marilandica. L.....	118 K, 127 R, 134 W, 123 Z.
	ROSACEÆ.	
747	Gillenia trifoliata. Moench.....	Collection.
748	Alchemilla alpina. L.....	“
749	Dryas octopetata. D. C.....	“

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

	C. DICOTYLEDONES.	LOCALITY.
	ROSACEÆ.	(Reference to Map.)
750	<i>Dryas Drummondii</i> . Bot. Mag.....	Collection.
751	<i>Geum coccineum</i> . Willd.....	59 E, 119 X.
752	“ <i>macrophyllum</i> . Willd.....	Collection.
753	<i>Waldsteinia fragarioides</i> . Prat.....	“
754	<i>Sibbaldia procumbens</i> . L.....	“
755	<i>Potentilla formosa</i> . Willd.....	“
756	“ <i>eximia</i> . Hort.....	“
757	“ <i>Mac-Nabiana</i> . Hort.....	“
758	“ <i>atrosanguinea</i> . Hort.....	“
759	<i>Fragaria vesca</i> . L. fol. var.....	119 X, 28 C.
760	<i>Rubus antarcticus</i> . D. C.....	Collection.
	SAXIFRAGINEÆ.	
761	<i>Spiræa Ulmaria</i> . L.....	119 X, 21 U and V, 27 Z.
762	“ <i>filipendula</i> . Willd.....	Collection.
763	“ <i>Aruncus</i> . L.....	“
764	“ <i>lobata</i> . Willd.....	119 U.
765	“ <i>pedata</i> . Willd.....	Collection.
766	“ <i>venusta</i> . Hort.....	“
767	“ <i>palmata</i> . Sieb. et Rgl.....	“
768	<i>Hotteya Japonica</i> . Bot. Mag.....	58 E, 48 Q.
769	<i>Parnassia palustris</i> . L.....	Collection.
770	<i>Astilbe decandra</i> . Don.....	“
771	“ <i>rivularis</i> . Willd.....	“
772	<i>Saxifraga oppositifolia</i> . L.....	“
773	“ <i>aizoides</i> . L.....	“
774	“ <i>tricuspidata</i> . Retz.....	“
775	“ <i>Aizoon</i> . Jac.q.....	“
776	“ <i>Virginiensis</i> . Mchx.....	128-130 J and K, 116 Q.

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

C. DICOTYLEDONES.		LOCALITY.
SAXIFRAGINEÆ.		(Reference to Map.)
777	<i>Saxifraga granulata</i> . L. var. pl.	Collection.
778	“ <i>crassifolia</i> . D. C.	“
779	“ <i>cordifolia</i> . D. C.	“
780	“ <i>umbrosa</i> . D. C.	“
781	“ <i>longifolia</i> . Bot. Mag.	Collection.
782	“ <i>pyramidalis</i> . D. C.	“
783	“ <i>oppositifolia</i> . D. C.	“
784	“ <i>hypnoides</i> . D. C.	“
785	“ <i>cæspitosa</i> . Rechb.	“
786	<i>Heucheria Americana</i> . L.	“
787	“ <i>cylindrica</i> . Bot. Mag.	“
788	“ <i>caulescens</i> . D. C.	“
789	<i>Mitella cordifolia</i> . Lamb.	“
790	<i>Tiarella cordifolia</i> . L.	“
CRASSULACEÆ.		
791	<i>Sedum acre</i> . L.	117 B, 127 I, 117 R, 126 X.
792	“ <i>hexangulare</i> . Willd.	Collection.
793	“ <i>ternatum</i> . Michx.	122 L.
794	“ <i>dasyphyllum</i> . D. C.	119 U.
795	“ <i>Telephium fol.</i> var. Hort.	119 U.
796	“ <i>telephioides</i> . Mchx.	Collection.
797	“ <i>Rhodiola</i> . D. C.	119 U.
798	“ <i>Maximowiszii</i> . Reg.	Collection.
799	“ <i>Fabaria</i> . Hort.	58 E.
800	“ <i>maximum</i> . Hort.	119 U.
801	“ <i>Aizoon</i> . L.	Collection.
802	“ <i>Goersii</i> . L.	119 U.
803	“ <i>Sieboldii</i>	119 U.

HARDY PERENNIAL AND ALPINE PLANTS—(Continued).

C. DICOTYLEDONES.		LOCALITY.
CRASSULACEÆ.		(Reference to Map.)
804	<i>Sedum oppositifolium</i>	Collection.
805	“ <i>populifolium</i> . L.....	“
806	“ <i>cantschaticum</i> . Lk.....	“
807	“ <i>reflexum</i> . L.....	119 U.
808	<i>Sempervivum Californicum</i> . T. et Gr.....	119 U.
809	“ <i>montanum</i> . L.....	Collection.
810	“ <i>arachnoideum</i> . Bot. Mag.....	“
811	“ <i>tectorum</i> . L.....	119 U.
812	“ <i>globiferum</i> . D. C.....	Collection.
813	“ <i>glaucum</i> . Ktze.....	“
814	“ <i>speciosum</i> . Hort.....	“
815	“ <i>maximum</i> . Hort.....	“

5.—*Exotic and Tender Plants, cultivated under glass, on Central Park, near Mt. St. Vincent.*

A. ACOTYLEDONES.

FILICES—FERNS.

1. *Acrostichum palmatum*. Lk.
2. “ *viscosum*. Sw.
3. *Adiantum Capillus Veneris*. L.
4. “ *eoncinnum*. H: B. Kth.
5. “ *cuneatum*. Langsd. & F.
6. “ *formosum*. Willd.
7. “ *Farleyense*. Moore.
8. “ *fulvum*. Rav.
9. “ *glanduliferum*. Lk.
10. “ *lunulatum*. Burm.

EXOTIC AND TENDER PLANTS—(Continued).

A. ACOTYLEDONES.

FILICES—FERNS.

11. *Adiantum macrophyllum*. Sw.
12. " *Moritzianum*. Kth.
13. " *rubellum*. Lk.
14. " *tenerum*. Sw.
15. " *trapeziforme*. L.
16. *Allosurus rotundifolius*. Kze.
17. *Alsophila Australis*. R. Br.
18. " *excelsa*. R. Br.
19. *Angiopteris erecta*. Hoffm.
20. " *macrophylla*. Hort. Belg.
21. *Angiopteris pruinosa*. Kze.
22. *Aneimia fraxinifolia*. Nutt.
23. *Anthyrium decurtatum*. Presl.
24. *Aspidium aculeatum*. Sw.
25. " *atrovirens*. Sm.
26. " *concinnum*. Nutt.
27. " *falcatum*. Kze.
28. " *reptans (radicans)*. Nutt.
29. " *serra*. Sw.
30. " *Sieboldii*. Van Houtte.
31. " *uliginosum*. Kze.
32. *Asplenium Brownii*. Sm.
33. " *alatum*. H. & Bonpl.
34. " *bulbiferum*. Kze.
35. " *Belangerii*. Kze.
36. " *Australasicum*. Hort.
37. " *compressum*. Sw.
38. " *dimorphum*. Kze.
39. " *Fabianum*. Het J.
40. " *flaccidum*. Lk.
41. " *formosum*. Willd.
42. " *asperum*. Bergm.
43. " *heterodon*. Blum.

EXOTIC AND TENDER PLANTS—(Continued).

A. ACOTYLEDONES.

FILICES—FERNS.

44. *Asplenium heteropteron*. Kze.
45. " *lunulatum*. Sw.
46. " *Mexicanum*. Hort.
47. " *marinum*. L.
48. " *Nidus*. L.
49. " *nigrocephalum*. Kze.
50. " *polymorphum*. Mast. et gall.
51. " *præmorsum*. Sw.
52. " *strigillosum*. Lowe.
53. " *umbrosum australe*. Ait.
54. *Balantium Antarcticum*. Labill.
55. *Blechnum australe*. L.
56. " *Brasiliense*. Desv.
57. " *Corcovadense*. Radd.
58. " *fraxineum*. Willd.
59. " *gracile*. Klfs.
60. " *longifolium*. H. B. Kth.
61. " *Pattersonii*. Moore.
62. *Ceratopteris thalictroides*. Brogn.
63. *Campylonema decurrens*. Presl.
64. *Chrysodium flagelliforme*. Mett.
65. *Cyathea medullaris*. Sw.
66. *Cyrtomium falcatum*. Presl.
67. *Cheilanthes microphylla*. Sw.
68. " *tomentosa*. Lk.
69. *Davallia canariensis*. Sm.
70. " *pyxidata*. Cav.
71. " *tenuifolia*. Sw.
72. *Dicksonia antarctica*. Labill.
73. " *arborescens*. Hort.
74. " *nitidula*. Kze.
75. " *tenera*. Pr.
76. *Diplacium decussatum*. Sw.

EXOTIC AND TENDER PLANTS—(Continued).

A. ACOTYLEDONES

FILICES—FERNS.

77. *Doodia aspera*. R. Br.
 78. “ *caudata*. Hook.
 79. *Dryopteris palmata*. Hook.
 80. *Didymochlæna limulata*. Desv.
 81. *Eupodium Kaulfussi*. I. Sm.
 82. *Gymnogramma chrysophylla Laucheana*. C. Kooh.
 83. “ *Peruviana*. Desv.
 84. “ *sulphurea*. Desv.
 85. “ *tatarica*. Desv.
 86. *Hymenodium crinitum*. Tei.
 87. *Hypolepis Endlicherianum*. Presl.
 88. *Lastræa patens*. Presl.
 89. “ *varia*. Kze.
 90. *Lonchites pubescens*. Hort.
 91. *Lomaria ciliata*. M.
 92. “ *gibba*. Labill.
 93. “ *Pattersonii*. Spreng.
 94. *Litobrachia alcyonis*. Hook.
 95. *Lomaropsis Quatemalensis*. Hort.
 96. *Marattia Laucheana*. Hort Hams.
 97. “ *cicutæfolia*. Kaulf.
 98. *Meniscium simplex*. Hook.
 99. *Nephrolepis exaltata*. Schott.
 100. “ *davallioides*. Kze.
 101. “ *tuberosa*. Hort.
 102. *Notochlæna nioca*. Desv.
 103. *Oleandra ensifolia*. Presl.
 104. *Onychium Japonicum*. Kze.
 105. *Platycerum alcicorne*. Desv.
 106. *Polypodium aureum*. L.
 107. “ *appendiculatum*. Hort.
 108. “ *costatum*. Wall.
 109. “ *decurrens*. Radd.

EXOTIC AND TENDER PLANTS—(Continued).

A. ACOTYLEDONES.

FILICES—FERNS.

110. *Polypodium fraxinifolium*. Jacq.
 111. " *tetragonum*. Hort.
 112. *Polybotria neriifolia*. Hort.
 113. *Pteris alata*. Hort.
 114. " *argyræa*. Th. Moore.
 115. " *cretica*. L. Var. *albo-lineata*.
 116. " *geraniæfolia*. Mett.
 117. " *hastata*. Sw.
 118. " *Japonica*. Mett.
 119. " *pedata*. Kze.
 120. " *palmata*. Willd.
 121. " *reflexa minor*. Hort.
 122. " *sagittæfolia*. Radd.
 123. " *serrulata*. L.
 124. " *cristata*. Hort.
 125. " *ensifolia*. Hort.
 126. *Scolopendrium Krebris*. Sw.
 127. *Todea superba*. Col.
 128. " *australis*. Hort.
 129. " *arborea*. Willd.
 130. *Trichomanes radicans*. Sw.
 131. *Woodwardia radicans*. S.
 132. *Selaginella Africana*. A. Br.
 133. " *cæsia* Hort.
 134. " *aurea*. Hort.
 135. " *affinis*. A. Br.
 136. " *arborea (cæsia arborea)*.^v Hort.
 137. " *Brasiliensis*. Radd.
 138. " *Cunninghami*. Hort.
 139. " *cuspidata*. Lk.
 140. " *crispa*. Hort. Lodd.
 141. " *erytropus*. Mart.
 142. " *flabellata*. L.

EXOTIC AND TENDER PLANTS—(Continued).

A. ACOTYLEDONES.

FILICES—FERNS.

143. *Selaginella denticulata*. L.
 144. “ *lepidophylla*. Hook.
 145. “ *Martensii*. Spring.
 146. “ *paradoxa*. Hort.
 147. “ *Poulterii*. M.
 148. “ *rubricaulis*. Moore.
 149. “ *Schottii*. Hort.
 150. “ *serpens*. Spr.
 151. “ *veriegata*. Spr.
 152. “ *Willdenowii*. Hort.

B. MONOCOTYLEDONES.

GRAMINEÆ.

153. *Andropogon formosum*. Hort.
 154. *Panicum plicatum*. Lam.
 155. “ *palmaefolium*. Poir.
 156. *Panicum sulcatum*. Aubas.
 157. “ *variegatum (plicatum)*. Hort. Veitch.

BAMBUSEÆ.

158. *Bambusa arundinacea*. Retz.
 159. “ *Japonica fol. var.* Sieb.
 160. “ *nigra*. Hort.
 161. *Arundinasia falcata*. Nees ab Esenb.
 162. “ *glaucescens*. P. de B.

CYPERACEÆ.

163. *Cyperus alternifolius*. L.
 164. “ *Papyrus*. L.
 165. *Isolepis pygmæa*. Kth.

DIOSCOREACEÆ.

166. *Dioscorea discolor*. Hamilt.
 167. *Dioscorea metallica*. Hort. Belg.

EXOTIC AND TENDER PLANTS--(Continued).

B. MONOCOTYLEDONES.

SMILACEÆ.

168. *Medeola asparagoides* (Myriophyllum). Willd.
 169. *Lapageria rosea*. Ruiz et Pav.

HÆMODORACEÆ.

170. *Barbacenia purpurea*. Lindl.
 171. *Barbacenia Rogieri*. Hort. Belg.

LILIACEÆ.

172. *Lilium cordifolium*. Thumb.
 173. *Lilium giganteum*. Wall.
 174. *Gloriosa Plantis*. Hort.
 175. *Fittonia modesta*. Hook.
 176. *Ornithogalum aureum*. Willd.
 177. " *arabicum*. L.

COMMELINEÆ.

178. *Commelina coclestris*. Kth.
 179. *Tradescantia zebrina*. L.
 180. " *discolor*. Sm.
 181. " " *vittato*. Miqu.
 182. " *viridis*. Hort.
 183. *Dichorisandra undulata*. Lindl.
 184. " *ovata*. Mart.
 185. " *cuprea*. Hort.

HEMEROCALLIDEÆ.

186. *Yucca aloëfolia*. L.
 187. " " *fol. var.* Hort.
 188. " *albo-spice*. Hort.
 189. " *gloriosa*. L.
 190. " *draconis*. L.
 191. " *quadricolor*. Hort.
 192. *Veltheimia viridiflora*. L.
 193. *Eucomis punctata*. Herit.
 194. *Lachenalia luteola*. Jacq.

EXOTIC AND TENDER PLANTS—(Continued).

B. MONOCOTYLEDONES.

HEMEROCALIDÆ.

195. *Lachenalia pendula*. Tratt.
 196. " *tricolor*. Jacq.
 197. *Agapanthus umbellatus*. Herit.
 198. " *minor*. fol. var. Hort.
 199. *Scilla natalensis*. Planch.
 200. " *maritima*. L.

AMARYLLIDÆ.

201. *Amaryllis aulica*. Herb.
 202. " *Bella-donna*. L.
 203. " *pardina*. Hook.
 204. " *tigrina*. V. Houtte.
 205. " *Regina*. Hort.
 206. " *reticulata*. L'Herit.
 207. " *solandræflora*. Lindl.
 208. " *Tettani* Topf. (*robusta* Sw.)
 209. " *vittata*. Hort.
 210. *Brunsvigia curvifolia*. Ait.
 211. " *falcata*. Ait.
 212. " *Sosephinae*. Ker.
 213. " *multiflora*. Eckl.
 214. *Collanea urceolata*. Schult.
 215. *Clivia nobilis*. Lindl.
 216. *Imatophyllum miniatum*. Hook.
 217. " *cyrtanthæflorum*. Lindl.
 218. *Coburgia incarnata*. Herb.
 219. *Pancratium calathinum*. Herb.
 220. " *caribæum*. Herb.
 221. " *littorale*. Herb.
 222. " *illiricum*. L.
 223. " *maritimum*. L.
 224. " *speriorum*. Hort.
 225. *Ismene nutans*. Herb.

EXOTIC AND TENDER PLANTS—(Continued).

B. MONOCOTYLEDONES.

AMARYLLIDÆ.

226. *Crinum asiaticum*. Herb. (zeylanicum.)
 227. “ *amabile*. Herb. (Don.)
 228. “ *capense*. Herb. (Am. longifolia.)
 229. “ *giganteum*. Andr. (Amaryllis.)
 230. “ *ornatum*. Herb.
 231. *Hymenocallis adnata princeps*. Hort.
 232. *Eucharis amazonica*. Lindl.
 233. “ *candida*. Pl. et Lind.
 234. “ *grandiflora*. Planch.
 235. *Hæmanthus albiflos*. Eckl.
 236. “ *coccineus*. L.
 237. “ *multiflorus*. Willd.
 238. “ *puniceus*. L.
 239. *tigrinus*. Eckl.
 240. *Lycoris aurea*. Herb.
 241. “ *radiata*. Herb.
 242. *Spreckelia formosissima*. Heist.
 243. *Furcroya gigantea*. Lucc.
 244. *Pincenectitia glauca*. (Baucairnea.) Hort.
 245. “ *tuberculata*. Hort. (Bauc. recurvata Ch. Lem.)
 246. *Littæa gemminiflora*. (Bonaparteæ.) R. et Pav.
 247. *Agave Americana*. L.
 248. “ *filifera*. Salm. Dyck.
 249. “ *Mexicana*. Lam.
 250. “ *Salmiana*. Karw.
 251. *Doryanthes excelsa*. R. Br.
 252. *Nerine coranica*. Herb.
 253. “ *Samiensis*. L.
 254. “ *undulata*. Herb.
 255. *Vallota purpurea*. Herb.
 256. *Griffinia hyacinthina*. Ker.
 257. “ *Blumenavia*. Hort. V. Houtte.
 258. *Zephyranthus Atamasco*. Herb.

EXOTIC AND TENDER PLANTS—(Continued).

B. MONOCOTYLEDONES.

AMARYLLIDÆ.

259. *Zephyranthus candida*. Herb.
 260. “ *grandiflora*. Lindl.
 261. “ *ochroleuca*. Herb.
 262. “ *rosea*. Herb.
 263. *Alstroemeria aurantiaca*. Don.
 264. “ *Brasiliensis*. Hort.
 265. “ *peregrina*. Hort.
 266. “ *peruviana*. Hort.
 267. “ *psittacina*. Lehm.
 268. “ *tricolor*. Hook.

ASPHODELEÆ.

269. *Bulbine aloides*. Haw.
 270. *Aloë arborescens*. L.
 271. “ *caesia*. S. Dyck.
 272. “ *cuspidata*. S. Dyck.
 273. “ *ciliaris*. S. Dyck.
 274. “ *fasciata*. S. Dyck.
 275. “ *mitraeformis*. S. Dyck.
 276. “ *nitida*. S. Dyck.
 277. “ *parva*. S. Dyck.
 278. “ *picta*. S. Dyck.
 279. “ *planifolia*. Bak.
 280. “ *retusa*. L.
 281. “ *serrulata*. Salm. Dyck.
 282. “ *tenuior*. Salm. Dyck.
 283. “ *verrucosa*. Salm. Dyck.
 284. “ *variegata*. D. C.
 285. *Gasteria maculata*. Haw.
 286. “ *nigricans*. Haw.
 287. “ *lingua*. Haw.
 288. “ *albo-punctata*. Haw.
 289. “ *umbellata*. D. C.

EXOTIC AND TENDER PLANTS—(Continued).

B. MONOCOTYLEDONES.

ASPHODELEÆ.

290. *Gasteria margaritifera* minor. Hort.
 291. " *carinata*. Salm. Dyck.
 292. *Apicra spiralis*. D. C.
 293. *Aletris farinosa*. L.
 294. *Reineckia carnea* C. Koth.
 295. *Phaedranassa chloracea*. Herb.
 296. " *fuchsioides*. Herb.
 297. *Chlorophyton Sternbergianum*. Steud.
 298. *Xanthorrhoea Australis*. R. Br.
 299. *Dracaena arborea*. Lk.
 300. " *Boerhavii* (Rumphii). L.
 301. " *Draco*. L.
 302. " *cernua*. Hort. Berol.
 303. " *elliptica*. Lk. (nigra).
 304. " *fragrans*. Nob.
 305. " *frutescens* (*Aletris*). Hort. Berol.
 306. " *mauritiana*. Willd.
 307. " *tesselata*. Willd.
 308. " *umbraculifera*. Jacq.
 309. " (*Cordyline*) *australis*. Hook.
 310. " " *cannaefolia*. Sweet.
 311. " " *congesta*. Hort.
 312. " " *Escholtziana* (*brasiliensis*). Mart.
 313. " " *ensifolia*. Nob.
 314. " " *Haageana*. Hort.
 315. " " *latifolia*. Hort.
 316. " " *indivisa*. Nob.
 317. " " *rubra*. Hort. Berol.
 318. " " *spectabilis*. Kth. and Bousché.
 319. " " *stricta*. Hort. Berol.
 320. " " *Veitchii*. Hort.
 321. " (*Calodracon*) *Cooperi*. Hort.
 322. " " *Guilfoyii*. Hort. Veitch.

EXOTIC AND TENDER PLANTS—(Continued).

B. MONOCOTYLEDONES.

ASPHODELEÆ.

323. *Dracæna* (*Calodracon*) *nobilis*. Van Houtte.
 324. “ “ *nigrescus*. Hort. Veitch.
 325. “ “ *Reginæ*. Hort. Veitch.
 326. “ “ *terminalis*. Jacq.
 327. “ “ *ferrea*. Jacq.
 328. *Phormium tenax*. Forst.
 329. “ *Cookii*. R. Br.
 330. *Dianella cœrulea*. R. Br.
 331. “ *latifolia*. R. Br.
 332. *Curculigo recurvata*. Dryandr.
 333. *Arthropodium fimbriatum*. Otto and Dietr.

IRIDÆÆ.

334. *Morea pavonia*. Hort.
 335. “ *collina*. Hort.
 336. “ *persica*. L.
 337. *Gladiolus ramosus*. Hort.
 338. “ *floribundus*. Hort.
 339. “ *gandavensis*. Van Houtte.
 340. *Watsonia iridifolia*. Ker.
 341. *Anomatheca cruenta*. Hort. Kew.
 342. *Antholiza Æthiopica*. L. Ell.
 343. *Aristea capitata*. Herb.
 344. *Babiana lilacina*. D. C.
 345. “ *sulphurea*. D. C.
 346. *Brodiaea congesta*.
 347. *Crocoshia aurea*. Planch.
 348. *Cypella Herbertii*. Hook.
 349. *Ferraria tigrina*. L.
 350. “ *speciosa* (*undulata*). Hort.
 351. *Phallicallis plumbea*. W. Herb.
 352. *Ixia candida*. Eckl.
 353. “ *dubia*. Eckl.

EXOTIC AND TENDER PLANTS—(Continued).

B. MONOCOTYLEDONES.

IRIDÆÆ.

354. *Ixia coccinea*. Eckl.
 355. “ *hybrida*. Hort.
 356. “ *crocata*. Ait.
 357. “ *viridiflora*. Eckl.
 358. *Sparaxis tricolor*. Ait.
 359. “ *hybrida*. Hort.
 360. *Millia biflora* (Tritelleya). Cav.
 361. “ *uniflora* “ Grah.
 362. *Rigidella coccinea*. Herb.
 363. *Schizostylis coccinea*. Backh. and Harw.

BROMELIACEÆ.

364. *Æchmæa discolor*. Hook.
 365. “ *fulgens* (miniata). A. Brogn.
 366. *Ananassa sativa*. Fol. var. Hort.
 367. *Billbergia amœna*. Lindl.
 368. “ *cœlestis*. De Jonghe.
 369. “ *fasciata*. Lindl.
 370. “ *farinosa*. Otto and Dietr.
 371. “ *Liboniana*. De Jonghe.
 372. “ *pyramidalis*. L.
 373. “ *zebrina*. Otto et Dietr.
 374. *Cryptanthus acaulis*. Hort.
 375. *Dasyilirion longifolium* (junceum). Hort.
 376. “ *serratum*. Salm. Dyck.
 377. *Encholirion Jonghii*. Hort. Belg.
 378. *Guzmania picta*. Fl. Van Houtte.
 379. “ *tricolor*. Ruiz et Pav.
 380. *Hechtia ghiesbrechtii*. Hort. Par.
 381. *Nidularium fulgens*. Mett.
 382. “ *spectabile*. Mett.
 383. *Pholidophyllum zonatum* (Tillandsia). L.
 384. *Pitcairnia punicea*. Lindl.

EXOTIC AND TENDER PLANTS—(Continued).

B. MONOCOTYLEDONES.

BROMELIACEÆ.

385. *Pitcairnia recurvata*. Lindl.
 386. “ *sulphurea*. Andr.
 387. “ *undulata*. Scheidw.
 388. *Puja Altensteimi*. Lk.
 389. “ *Chilensis*. Molina.
 390. “ *maidifolia*. Dsne.
 391. *Tillandsia bulbosa* (tuberculata). Hook.
 392. “ *serrulata*. Hort.
 393. “ *splendens*. A. Brogn.
 394. “ *usneoides*. L.
 395. *Dyckia remotiflora*. Otta and Dietr.

SCITAMINEÆ ET MUSACEÆ.

396. *Alpinia* (*Renealmia*) *nutans*. Roxb.
 397. “ “ “ fol. var. Hort.
 398. *Canna aurantiaca*. Bché.
 399. “ *annei*. Hort.
 400. “ *Bihorelli*. Haber.
 401. “ *coccinea*. Bché.
 402. “ *Caledoniensis*. Hort.
 403. “ *discolor*. L.
 404. “ “ *floribunda*. Haber.
 405. “ *gigantea*. Hort.
 406. “ *Guatemalensis*. Hort.
 407. “ *indica*. L. fol. var.
 408. “ *hybrida tricolor*. Hort.
 409. “ *flaccida*. Lk.
 410. “ *lagunensis*. Lk. and Bouché.
 411. “ *limbata*. Rosc.
 412. “ *lutescens*. Bché.
 413. “ *musæfolia*. Hort.
 414. “ *nigricans*. Hort.
 415. “ *spertabilis*. Hort.
 416. “ *Warscewitzii*. Bouché.

EXOTIC AND TENDER PLANTS—(Continued).

B. MONOCOTYLEDONES.

SCITAMINEÆ ET MUSACEÆ.

417. *Canna Van Houttei* (hybrida). Hort.
 418. *Costus discolor*. Wendl.
 419. “ *Malortianus*. Wendl.
 420. “ *speciosus*. Wendl.
 421. *Curcuma amada*. Roxb.
 422. “ *Rosciana*. Wall.
 423. “ *cordata*. Wall.
 424. “ *Leodaris*. Wall.
 425. *Globba erecta*. Hort. Berol.
 426. “ *Saltatoria*. Hort. Van H.
 427. *Phrynium cylindricum*. Horsf.
 428. “ *setosum*. Hort. Berol.
 429. *Hedychium angustifolium*. Wall.
 430. “ *Gardenerianum*. Wall.
 431. *Kæmpferia angustifolia*. Rosc.
 432. “ *rotunda*. L.
 433. *Marantha argyræa*. Hort.
 434. “ *arundinacea*. L.
 435. “ *bicolor*. Hort.
 436. “ *eximia*. Math.
 437. “ *fasciata*. Lk. and O.
 438. “ *illustris*. Lind.
 439. “ *Lindenii*. Hook.
 440. “ *micans*. Hort. Belg.
 441. “ *Pardina*. Planch et Lind.
 442. “ *Porteana*. Lind.
 443. “ *regalis*. Hort.
 444. “ *rosea-picta*. Lind.
 445. “ *truncata*. Kth. and B.
 446. “ *vittata*. Lind.
 447. “ *Veitchiana*. Hook.
 448. “ *Warscewiczii*. L. Math.
 449. “ *zebrina*. L.

EXOTIC AND TENDER PLANTS—(Continued).

B. MONOCOTYLEDONES.

SCITAMINEÆ ET MUSACEÆ.

450. *Calathea* (*Marantha*) *flavescens*. Lk. and O.
 451. *Stromanthe* (*Marantha*) *sanguinea*. Sond.
 452. *Thalia dealbata*. Willd.
 453. *Heliconia angustifolia*. Hook.
 454. “ *Bihai*. Sw.
 455. “ *Brasiliensis*. Mart.
 456. “ *discolor*. Hort.
 457. “ (*farinosa*) *pulverulenta*. Lindl.
 458. *Urania amazonica*. Hort.
 459. *Ravenalia Madagascariensis*. Adans.
 460. *Strelitzia Reginae*. Banks.
 461. “ “ *pumila*. Hort.
 462. “ “ *spatulata*. Hort.
 463. “ *Augusta* (*alba*). Thunb.
 464. *Musa Cavendishii* (*sinensis*). Paxt.
 465. “ *coccinea*. Roxb.
 466. “ *Dacca*. Hort.
 467. “ *discolor*. Hort.
 468. “ *paradisiaca*. L.
 469. “ *rosacea*. Jacq.
 470. “ *zebrina*. Van Houtte.

AROIDEÆ.

471. *Acorus graminifolius* fol. var. Hort.
 472. *Orontium Japonicum* fol. var. Hort.
 473. *Aspidistra lurida* fol. var. (*Plectogyne*). Hort.
 474. “ *lurida macrophylla*. Hort.
 475. *Alocasia alba*. Schott.
 476. “ *arborea* (*odorata*). Schott.
 477. “ *cucullata* (*arborea*). Schott.
 478. “ *gigantea*. Schott.
 479. “ *Jenningii*. Hort. Veitch.
 480. “ *Lowii*. Hort.

EXOTIC AND TENDER PLANTS—(Continued).

B. MONOCOTYLEDONES.

AROIDÆ.

481. *Alocasia macrorrhiza*, fol. var. Hort.
 482. “ *marginata*. C. Koch.
 483. “ *odora*. C. Koch.
 484. “ *metallica*. Hook.
 485. “ *Veitchii*. Lindl.
 486. “ *zebrina*. Schott.
 487. *Colocasia antiquorum*. Schott.
 488. “ *coerulescens*. Hort.
 489. “ *euchlora* C. Koch. and Sellow.
 490. “ *esculenta*. Vent.
 491. “ *Javanica*. Hort.
 492. *Caladium argyrites* Ch. Lem.
 493. “ *Belleimii*. Hort. Chaut.
 494. “ *Baraquinis*. Chaut.
 495. “ *Brogniartii*. Ch. Lem.
 496. “ *bicolor*. Vent.
 497. “ *Chantiris*. Ch. Lem.
 498. “ *discolor*. Vent.
 499. “ *hastatum*. Ch. Lem.
 500. “ *Neumannii*. Ch. Lem.
 501. “ *pictum*. Vent.
 502. “ *Poeile*. Schott.
 503. “ *cupreum*. Chaut.
 504. “ *Houlettii*. Ch. Lem.
 505. “ *porphyrophyllum*. C. Koch.
 506. *Arisaema atrorubens*. Blume.
 507. “ *praecox*. Schott.
 508. “ *ringens*. Blume.
 509. “ *Sieboldii*. Schott.
 510. *Amorphophallus campanulatus*. Bl.
 511. “ *zebrinus*. Hort.
 512. “ *bulbiferus*. Mi.
 513. “ *Rivieri*. Hort. Par.

B. MONOCOTYLEDONES.

AROIDEÆ.

514. *Sauromatum guttatum*. Schott.
 515. *Dieffenbachia Seguine picta*. Schott.
 516. *Richardia aethiopica* (Calla). Schott.
 517. “ *sinensis* (pumila). Hort.
 518. “ *albo-maculata*. Hook.
 519. *Xanthosoma appendiculatum*. Schott.
 520. “ *atrovirens*. C. Koch. and Bouché.
 521. “ *Mafaffa*. C. Koch.
 522. “ *pilosum*. C. Koch.
 523. “ *sagittae-folium*. C. Koch.
 524. “ *violaceum*. Schott.
 525. *Anthurium Augustinianum*. C. Koch.
 526. “ *bellum*. Hort. Belg.
 527. “ *calophyllum*. Hort.
 528. “ *crassipes*. Schott.
 529. “ *Galeottii*. Hort.
 530. “ *Laucheanum*. C. Koch.
 531. “ *leuconeurum*. Ch. Lem.
 532. “ *macrophyllum*. Schott.
 533. “ *magnificum*. Lind.
 534. “ *Moritzianum*. Kltsch.
 535. “ *peltatum*. Schott.
 536. “ *pedatum*. Schott.
 537. “ *imperiale*. Miq.
 538. “ *regale*. Lind.
 539. “ *Scherzerianum*. Schott.
 540. “ *variabile*. Hort.
 541. *Pothos argyræa*. Schott.
 542. “ *lucida*. Hort.
 543. “ *hastata*. Hort.
 544. “ *pentaphylla*. Hort.
 545. *Philodendron albo-vaginatatum*. C. Koch.
 546. “ *auritum*. Hort.

EXOTIC AND TENDER PLANTS—(Continued).

B. MONOCOTYLEDONES.

AROIDEÆ.

547. *Philodendron bipinnatifidum*. Schott.
 548. “ *cardiophyllum*. C. Koch.
 549. “ *crassinervum*. C. Koch.
 550. “ *Lindenii*. Hort. Belg.
 551. “ *panduræforme*. Schott.
 552. “ *pertusum*. Kltsch.
 553. “ *pinnatifidum (giganteum)*. Hort. Belg.
 554. “ *sanguineum*. C. Koch.
 555. “ *Sellowianum*. C. Koch.

PALMÆ.

556. *Areca aurea*. Hort. Belg.
 557. “ *Catechu*. Willd.
 558. “ *rubra*. Borg.
 559. “ *sapida*. Soland.
 560. *Astrocaryum mexicanum*. Hort. Lind.
 561. *Caryota sobolifera*. Wall.
 562. *Cocos plumosa*. Hort. Kew.
 563. “ *nucifera*. L.
 564. *Acrocomia aculeata*. Lodd.
 565. *Carypha Australis*. R. Br.
 566. *Livistonia sinensis (Latania)*. Mart.
 567. *Phoenix dactylifera*. L.
 568. “ *Leonensis*. Hort. Par.
 569. “ *pumila*. Hort. Par.
 570. “ *sylvestris*. Roxb.
 571. *Rhapis flabelliformis*. Ait.
 572. *Pritchardia Martiana (pacifica)*. Hort. Belg.
 573. *Trinax elegans*. Wendl.
 574. *Chamædorca Arcenbergii*. H. Wendl.
 575. “ *desmoncoides*. H. Wendl.
 576. “ *Ernesti—Augusti*. H. Wendl.
 577. “ *geonomæformis*.

EXOTIC AND TENDER PLANTS—(Continued).

B. MONOCOTYLEDONES.

PALMÆ.

578. *Chamædorea lunata*. Lich.
 579. " *Martiana*. H. Wendl.
 580. " *Schiedeana*. Lk. and Otto.
 581. " *Wendlandii*. Lind.
 582. *Seafortia elegans*. R. Br.
 583. *Chamaerops stauracantha*. Hort.
 584. " *humilis*. L.
 585. " *excelsa*. Thunb.
 586. " *tomentosa*. Morr.
 587. *Plectocomia elongata*. Blume.

PANDANÆ.

588. *Pandanus utilis*. Borg.
 589. " *graminifolius*. Willd.
 590. " *javanicus*. Hort. Belg.
 591. " *laevis*. Blume.

CYCADÆ.

592. *Cycas revoluta*. L.
 593. " *circinalis*. Thunb.
 594. *Ceratozamia mexicana*. Miq.
 595. *Zamia muricata*. Miq.
 596. " *horrida*. Lehm.

C. DICOTYLEDONES.

CONIFERÆ.

597. *Torreya grandis*. T. et Gr.
 598. " *myristica*. Hook.
 599. *Podocarpus coriacea*. Rich.
 600. " *elongata*. Herit.
 601. " *lanceolata*. Steud.
 602. " *latifolia*. R. Br.
 603. " *neriifolia*. Don.
 604. " *Maki*. Sieb.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

CONIFERÆ.

605. *Podocarpus Pardina*. Hook.
 606. " *variegata*. Hort. Lodd.
 607. *Dacridium cupressinum*. Lamb.
 608. " *excelsium*. Wall.
 609. " *Franklini*. Hook.
 610. *Phyllocladus asplenifolia*. Hook.
 611. *Saxe-Gothæa conspicua*. Lindl.
 612. *Juniperus Bermudiana*. Lindl.
 613. " *dealbata*. Lond.
 614. " *drupacea*. Labill.
 615. " *Lycea*. L.
 616. " *squamata (minor)*. Don.
 617. *Widdringtonia junisperoides*. Endl.
 618. *Cupressus thurifera*. Hort.
 619. " *goveniana*. Lindl.
 620. " *sempervirens*. Lindl.
 621. " *torulosa*. Lamb.
 622. *Retinospora glauca*. Hort.
 623. " *spæroides*. Spach.
 624. *Biota Nepalensis*. Hort.
 625. *Thujopsis dolobrata*, fol. var. Sieb.
 626. *Fitz-Roya patagonica*. Hook.
 627. *Libocedrus Chilensis*. Endl.
 628. " *Doniana*. Endl.
 629. *Frenclia Australis*. Mirb.
 630. " *pyramidalis*. Hort.
 631. *Cryptomeria araucaroides*. Hort.
 632. *Sequoja sempervirens*. Endl.
 633. *Cedrus Deodora*. Lond.
 634. *Pinus maritima*. Lamb.
 635. " *Pinea*. L.
 636. " *Australis*. Michx.
 637. " *insignis*. Dougl.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

CONIFERÆ.

638. *Pinus Sabiniana*. Dougl.
 639. “ *Montezumæ*. Lamb.
 640. “ *parviflora*. Sieb.
 641. *Cunninghamia glauca*. R. Br.
 642. *Dammara orientalis* (alba). Lamb.
 643. *Araucaria brasiliensis*. Rich.
 644. “ *Bidwillii*. Hook.
 645. “ *excelsa*. Lamb.
 646. “ *Cookii*. Hook.
 647. “ *imbricata*. Ruiz et Pav.
 648. *Sciadopitys verticillata*. Sieb. et Lucc.

CASUARINÆ.

649. *Casuarina equisetifolia*. R. Br.
 650. “ *Lehmanniana*. Miq.
 651. “ *Hügeliana*. Miq.
 652. “ *quadri-valvis*. R. Br.
 653. “ *Fraseriana*. Miq.
 654. “ *robusta*. Miq.
 655. “ *stricta*. Hugel.
 656. “ *torrulosa*. Ait.

PIPERACÆ.

657. *Piper nigrum*. L.
 658. *Piperomia rubella*. Lk.
 659. “ *maculosa*. Lind.
 660. “ *Verschaffeltii*. Lind.
 661. “ *argyrophylla*. Lind.
 662. “ *peltata*. Lind.

CUPULIFERÆ.

663. *Quercus virens*. L.
 664. “ *suberosa*. L.
 665. “ *Ilex*. L.
 666. “ *acuminata*. Steud.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

CUPULIFERÆ.

667. *Quercus rugosa*. Thunb.
 668. “ *lanuginosa*. D. Prod.
 669. “ *lancifolia*. Thunb.
 670. “ *insignis*. Dew.

URTICÆ.

671. *Boehmeria argentea*. Lindl.
 672. *Urtica macrophylla*. Vent.
 673. *Gunnera scabra*. Ruiz et Pav.
 674. *Pilea muscosa*. Lindl.
 675. “ *serpillifolia*. Hort.
 676. *Ficus Bengalensis*. L.
 677. “ *elastica*. Roxb.
 678. “ *Chauvieri*. Hort. Belg.
 679. “ *dealbata*. Hort. Belg.
 680. “ *Cooperii*. Hook.
 681. “ *rhododendrifolia*. Lk.
 682. “ *religiosa*. L.
 683. “ *stipularis*. Thunb.
 684. “ *minima*. Hort.
 685. “ *lucida*. Hort.
 686. “ *Carica*. L.
 687. “ *macrophylla*. Kth.
 688. “ *Porteana*. Hort. Belg.
 689. “ *Suringarii*. Hort. Belg.
 690. *Artocarpus incisa*. L. fil.

EUPHORBIACÆ.

691. *Euphorbia fulgens*. Karw.
 692. “ *jacquiniflora*. Hort.
 693. “ *pulcherrima* (Poinsettia). Hort.
 694. “ *Caput-Medusee*. D. C.
 695. “ *canariensis*. Haw.
 696. “ *cereiformis*. Haw.
 697. “ *arborescens*. Haw.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

EUPHORBIACEÆ.

698. *Croton variegatum* (Codæum). Mull.
 699. “ *pictum*. Hort.
 700. “ *Cascarilla*. Adans.
 701. “ *longifolium*. Hort.
 702. *Phyllanthus angustifolius*. Lk.
 703. “ *latifolius* (arbuscula). Lk.
 704. *Acalypha tricolor* (colorata). Lind.
 705. *Dalechampia Rœzlia-rosea*. Muell.
 706. *Jatropha multifida*. Mart.
 707. “ *panduræformis*. Mart.

BEGONIACEÆ.

708. *Begonia argyrostigma*. Lk.
 709. “ *Boliviensis*. D. C.
 710. “ *Dregei* (microphylla). Willd.
 711. “ *diversifolia*. Grah.
 712. “ *fuchsioides*. Hook.
 713. “ *glauca pendula* (scandens). Sw.
 714. “ *coccinea*. Hook.
 715. “ *heracbeifolia*. Ktsoh.
 716. “ *hydrocotylefolia*.
 717. “ *incarnata*. Otto et Dietr.
 718. “ *manicata*. Kth.
 719. “ *miniata*. Planch et Lind..
 720. “ *odorata*. Willd.
 721. “ *peltata*. Willd.
 722. “ *pedata*. Kth.
 723. “ *prestoniensis*. Moore..
 724. “ *ricinifolia*. Ktsoh.
 725. “ *sanguinea*. Kth.
 726. “ *Rex*. Ptz.
 727. “ *smaragdina*. Hort.
 728. “ *Sedenii*. Hort. Angl..
 729. “ *semperflorens*. Otto.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

BEGONIACEÆ.

730. *Begonia Warscewiczii*. Hort. Berol.
 731. “ *Weltoniensis*. Hort. Angl.
 732. “ *Xanthina*. Hook.

PASSIFLOREÆ.

733. *Passiflora actinea*. Hook.
 734. “ *alba*. Lk. et Otto.
 735. “ *coerulea*. L.
 736. “ *quadrangularis*. L.
 737. “ *acerifolia*. Cham.
 738. “ *tinifolia*. Juss.
 739. “ *insignis*. Hort.
 740. “ *kermesina*. Mart.
 741. “ *Fordii*. Hort.
 742. “ *edulis*. L.
 743. “ *suberosa*. L.
 744. “ *racemosa*. Hort.
 745. “ *trifasciata*. Lindl.
 746. *Tacsonia splendens*. Lindl.
 747. “ *mollissima*. H. B. et Kth.
 748. “ *Van Vaulxenni*. Lindl.
 749. *Disemma Herbertii*. D. C.

CRASSULACEÆ.

750. *Crassula lactea*. D. C.
 751. “ *coccinea* (*Kalosanthes*). D. C.
 752. “ *spatulata*. D. C.
 753. *Diosomon Hookeri*. Haw.
 754. *Pachyphytum bracteosum*. Haw.
 755. *Rochea falcata*. D. C.
 756. “ *perfoliata*. D. C.
 757. *Umbilicus horizontalis*. D. C.
 758. “ *chrysanthus*. Boiss.
 759. *Bryophyllum crenatum*. D. C.

C. DICOTYLEDONES.

CRASSULACEÆ.

760. *Bryophyllum calycinum*. D. C.
 761. *Cotyledon orbiculatum*. Haw.
 762. “ *arboresum*. Haw.
 763. “ *rhombeum*. Haw.
 764. *Echeveria glauca*. Lindl.
 765. “ *Fischeri*. D. C.
 766. “ *secunda*. Hort.
 767. “ *metallica*. Lindl.
 768. “ *gibbiflora*. D. C.
 769. “ *grandiflora*. Haw.
 770. “ *retusa*. Haw.
 771. “ *sanguinea*. Haw.
 772. “ *Ehrenbergii*. D. C.
 773. *Sedum carneum*, fol. var. Hort.
 774. *Sempervivum laxum*. Harv.
 775. *Aichrysum cordifolium*. Webb.
 776. *Aeonium* (*Semperoivum*) *arboresum*. L.
 777. “ “ “ fol. var. Hort.
 778. “ “ “ *nigram*. Hort.
 779. “ “ *balsamiferum*. W. et B.
 780. “ “ *barbatum*. W. et B.
 781. “ “ *Webbianum*. Haw.
 782. “ “ *canariense*. W. et B.
 783. “ “ *chrysanthum*. W. et B.
 784. “ “ *Youngianum*. Haw.
 785. “ “ *tabulaeforme*. Haw.
 786. “ “ *urbicum*. W. et B.
 787. *Grenovia aurea*. Webb.
 788. “ *fallax*. Webb.
 789. “ *polypharmica*. Webb.

MALVACEÆ.

790. *Hybiscus rosa sinensis*. L. fl. pleno.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

MALVACEÆ.

791. *Hybiscus rosa sinensis splendens*. Hort.
 792. “ *ferox*. Hook.
 793. *Sida Japonica*. Thumb.
 794. *Abutilon striatum*. L.
 795. “ *venosum*. Ch. Lem.
 796. “ *Thompsonii*. Hort.
 797. “ *insignis*. Planch.
 798. “ *mesopotamicum*. A. S. H.
 799. *Cheirostemon platanoides*. R. et P.
 800. *Sterculia platanifolia*. L.

BUETTNERIACEÆ.

801. *Thomasia quercifolia*. Huegel.
 802. “ *purpurea*. Gay.
 803. *Rulingia corylifolia*. Grab.
 804. “ *parvifolia*. Endl.
 805. *Hermannia flammea*. Ait.
 806. “ *plicata*. Ait.
 807. *Mahernia odorata*. Cav.
 808. *Dombeya racemosa*. D. C.
 809. *Astrapæa Wallichii*. L.

TROPÆOLEÆ.

810. *Tropæolum brachyceras*. Hook.
 811. “ *Lobbianum*. Hook.
 812. “ *majus flore pleno*. Hort.
 813. “ *pentaphyllum*. Sweet.
 814. “ *polyphyllum*. Sweet.
 815. “ *speciosum*. Endl. and Poep.
 816. “ *tricolorum*. Swt.
 817. “ *tuberosum*. R. et Pav.

TILIACEÆ.

818. *Entelia arborescens*. Lindl.
 819. *Sparmannia africana*. L.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

ERICACEÆ.

820. *Erica mediterranea*. L.
 821. “ *persoluta*. Reg.
 822. “ *Mac-Nabiana*. Hort. Angl.
 823. “ *ampullacea*. Hort.
 824. “ *hyemalis*. Hort.
 825. “ *gracilis*. Otto and Dietr.
 826. “ *colorans*. Sm.
 827. “ *ventricosa*. Sm.
 828. “ *Cavendishii*. Hort.
 829. “ *Wilmoreana*. Hort.
 830. “ *arborea*. L.
 831. *Epacris miniata*. Hort.
 832. “ *nivalis* varietas. Hort.

RHODORACEÆ.

833. *Azalea indica*. L.
 834. “ *amcena*. Lindl.
 835. “ *obtusa*. Lindl.
 836. “ *hybrida*. Hort.
 837. “ *phœnicea*. Hort.
 838. *Rhododendron arboreum*. Smith.
 839. “ *campanulatum*. Hook.
 840. “ *hybridum*. Hort.
 841. *Clethra arborea*. Ait.

AURANTIACEÆ.

842. *Citrus Aurantium*. L.
 843. “ “ *myrtifolium*. Hort.
 844. “ “ *crispum*. Hort.
 845. “ “ *satrufolium*. Hort.
 846. “ “ *fol. var.* Hort.
 847. “ *Limonium*. L.
 848. “ *Sinensis*. Hort.
 849. “ *Japonicus*. Thunb.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

AURANTIACEÆ.

850. *Triphasia aurantiaca*. Lour.
851. *Murraya exotica*. L.

POLYGALEÆ.

852. *Polygala Dalmaisiana*. Hook.
853. “ *grandis*. Hort.
854. “ *myrtifolia*. Huegel.
855. “ *speciosa*. Sims.

SAPINDACEÆ.

856. *Stadtmannia Australis*. Lam.
857. “ *Jonghii*. Lind.

MALPLGIACEÆ.

858. *Malpigia rosea*. Hort.

TERNSTÆMIACEÆ.

859. *Eurya latifolia*. R. Br.
860. *Stuartia pentagyna*. W.
861. *Cleyera Japonica*. Thunb.
862. *Camellia Japonica*. L.
863. “ *sasangua*. Thunb.
864. *Thea viridis*. L.
865. “ *Bohea*. L.

MAGNOLIACEÆ.

866. *Illicium anisatum*. L.
867. “ *floridanum*. L.
868. “ *religiosum*. W.
869. *Magnolia fascata*. D. C.
870. “ *grandiflora*. L.
871. *Tassmannia aromatica*. R. Br.

PITTOSPORINEÆ.

872. *Pittosporum undulatum*. Vent.
873. “ *Tobira*. Ait.
874. “ “ *fol. var.* Hort.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

PITTOSPORINEÆ.

875. *Sollya heterophylla*. Lindl.
876. *Bursaria spinosa*. Cav.

RUTACEÆ.

877. *Metrodorea atropurpurea*. Fisch.
878. *Ziera macrophylla*. R. Br.
879. *Boronia serrulata*. Lindl.
880. " *viminea*. Lindl.
881. *Eriostemon buxifolium*. Sm.
882. " *latifolium*. Huegel.
883. " *intermedium*. Hook.
884. " *scabrum*. Huegel.
885. *Crowea saligna*. R. Br.
886. *Correa cardinalis*. Muell.
887. " *Cavendishii*. Hook.
888. " *speciosa*. R. Br.
889. " *splendens*. Hort.
890. *Diosma ambigua*. R. Br.
891. " *obtusa*. R. Br.
892. " *rubra*. Berg.
893. *Coleonema album*. Bart. and W.

ZYGOPHYLLÆÆ.

894. *Melianthus major*. L.

LINACEÆ.

895. *Linum flavum*. L.
896. " *monogynum*. Forst.
897. " *trigynum*. Eckl. and Zeh.

OXALIDEÆ.

898. *Oxalis Bowei*. L.
899. " *esculenta*. Hort.
900. " *Deppei*. Kth.
901. " *Lasyandra*. Lk. and O.
902. " *floribunda*. Hort.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

OXALIDÆÆ.

903. *Oxalis rosea*. Jacq.
 904. “ *tetraphylla*. Kth.
 905. “ *versicolor*. Planch.

GERANIACEÆ.

906. *Geranium Thunbergianum*. Hort.
 907. *Pelargonium dissectum*. Bach.
 908. “ *graveolens*.
 909. “ *hybridum* var. Hort.
 910. “ *inquinans*. Ait.
 911. “ *malvæfolium*. Jacq.
 912. “ *cucullatum*. L.
 913. “ *odoratissimum*. Ait.
 914. “ *peltatum*. Zeih. and Eckl.
 915. “ *grossularoides*. Ait.
 916. “ *quercifolium*. Ait.
 917. “ *roseum* var. Hort.
 918. “ *tomentosum*. Jacq.
 919. “ *vitifolium*. Ait.
 920. “ *zonale*. L.

MESEMBRYACEÆ.

921. *Mesembryanthemum aureum*. Salm. D.
 922. “ *acinaciforme*. Haw.
 923. “ *abyssinicum*. Rgl.
 924. “ *blandum*. Salm. Dyck.
 925. “ *coccineum*. Haw.
 926. “ *caulescens*. Mill.
 927. “ *cultriforme*. S. Dyck.
 928. “ *cordifolium*. L.
 929. “ *curvifolium*. S. Dyck.
 930. “ *deltoides*. Mill.
 931. “ *depressum*. S. D.
 932. “ *dolabriforme*. S. D.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

MESEMBRYACEÆ.

933. *Mesembryanthemum difforme*. S. D.
 934. " *echinatum*. L.
 935. " *Ecklonii*. Kze.
 936. " *falciforme*. S. D.
 937. " *incurvum*. Haw.
 938. " *inlandens*. Haw.
 939. " *lacerum*. Haw.
 940. " *Lehmanni*. S. D.
 941. " *linguæforme*. Haw.
 942. " *multiceps*. Haw.
 943. " *muscalinum*. Haw.
 944. " *mutabile*. S. Dyck.
 945. " *polyphyllum*. Hort.
 946. " *pugioforme*. S. D.
 947. " *rigidum*. Haw.
 948. " *roseum*. Hort.
 949. " *rubricaulæ*. Hort.
 950. " *Salmii*. Haw.
 951. " *polyanthon*. Haw.
 952. " *Spectabile*. Haw.
 953. " *tigrinum*. Haw.
 954. " *violaceum*. D. C.
 955. " *Zeiheri*. Lk.

THYMELEÆ.

956. *Daphne Aucklandii*. Hook.
 957. " *collina*. D. C.
 958. " *indica*. L.
 959. " *odorata rubra*. Hort.
 960. *Edgeworthia chrysantha*. D. C.
 961. *Pimelia decussata*. R. Br.
 962. " *ligustrina*. Labill.
 963. *Gnidia pinifolia*. R. Br.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

PROTEACEÆ.

964. *Protea corymbosa*. R. Br.
 965. *Leucadendron argenteum*. R. Br.
 966. " *plumosum*. R. Br.
 967. *Lomatia longifolia*. R. Br.
 968. " *silaifolia*. R. Br.
 969. " *Bidwillii*. R. Br.
 970. *Hakea saligna*. R. Br.
 971. " *acicularis*. R. Br.
 972. " *gibbosa*. R. Br.
 973. " *pectinata*. Rob. Br.
 974. *Grevillea Thelemani*. Hort.
 975. " *sulphurea*. Cunningh.
 976. " *rosmarinifolia*. D. C.
 977. *Dryandra floribunda*. R. Br.
 978. *Banksia ericaefolia*. R. Br.
 979. " *speciosa*. R. Br.
 980. *Stenocarpus Cunninghami*. Huegel.
 981. *Rhopala Corcovadensis*. Hort.
 982. " *elegans*. Hort. Angl.
 983. " *Jonghii*. Hort. Belg.

LAURINEÆ.

984. *Laurus foetens*. L.
 985. " *nobilis*. L.
 986. " *regalis*. W.

PAPILIONACEÆ ET MIMOSEÆ.

987. *Acacia alata*. R. Br.
 988. " *armata*. R. Br.
 989. " *calamifolia*. Lindl.
 990. " *cultriformis*. Hook.
 991. " *cyanophylla*. Lindl.
 992. " *dealbata*. Lk.
 993. " *dodoneæfolia*. Desv.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

PAPILIONACEÆ ET MIMOSÆÆ.

994. *Acacia Douglasii*. Hort.
 995. " *floribunda*. Hort.
 996. " *glaucescens*. Meissn.
 997. " *Huegeli*. Benth.
 998. " *horrida*. Willd.
 999. " *graveolens*. A. Cunningh.
 1000. " *ixiophylla*. Seem.
 1001. " *juniperina*. W.
 1002. " *leiophylla*. Benth.
 1003. " *leptophylla*. Meissn.
 1004. " *longissima*. Hort.
 1005. " *longifolia*. D. C.
 1006. " *Lophanta*. L.
 1007. " *lineata*. Lk.
 1008. " *linifolia*. Hort.
 1009. " *lanigera*. Cunningh.
 1010. " *Meissneri*. Lehm.
 1011. " *myrtifolia*. R. Br.
 1012. " *melanoxydon*. R. Br.
 1013. " *mollissima*. Seem.
 1014. " *mucronata*. Hort.
 1015. " *oxycedrus*. Sbr.
 1016. " *prostrata*. Meissn.
 1017. " *pulchella*. R. Br.
 1018. " *ruscifolia*. Cunningh.
 1019. " *stricta*. W.
 1020. " *Sophora*. R. Br.
 1021. " *undulæfolia*. Cunning.
 1022. " *verniciflua*. A. Cunning.
 1023. " *verticillata*. Willd.
 1024. " *saligna*. Seem.
 1025. *Callistachys ovata*. Benth.
 1026. " *purpurea*. R. Br.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

PAPILIONACEÆ ET MIMOSEÆ.

1027. *Oxylobium argenteum*. Benth.
 1028. " *lineare*. Benth.
 1029. *Chorizema varium*. R. Br.
 1030. " *rhombeum*. R. Br.
 1031. " *ilicifolium*. Labill.
 1032. *Dillwynia floribunda*. Bot. Mag.
 1033. *Pultenæa subumbellata*. R. Br.
 1034. " *daphnoides*. Seem.
 1035. *Hovea Celsii*. R. Br.
 1036. *Genista canariensis*. L.
 1037. " *candicans*. L.
 1038. *Cytisus Atleyanus*. Hort.
 1039. " *racemosus*. Marnock.
 1040. *Clianthus puniceus* Soland.
 1041. *Swainsonia coronillæfolia*. Salisb.
 1042. " *Osborni*. Lindl.
 1043. *Kennedia arenaria*. Lindl.
 1044. " *Banmanni*. F. Mull.
 1045. " *Maryattiana*. Lindl.
 1046. " *ovata*. Lk.
 1047. " *prostrata*. Benth.
 1048. " *racemosa*. Hort.
 1049. " *Sieboldii*. Hort. Berol.
 1050. *Hardenbergia Comptoniana*. Benth.
 1051. " *monophylla*. Benth.
 1052. *Zichya coccinea*. Meissn.
 1053. *Phaseolus Caracalla*. L.
 1054. *Fagelia bituminosa*. Hook.
 1055. *Edwardsia microphylla*. Salisb.
 1056. *Poinciana Gilliesii*. Hook.
 1057. *Cassia floribunda*. Cav.
 1058. " *fistulosa*. L.
 1059. " *corymbosa*. Lam.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

PAPILIONACEÆ ET MIMOSEÆ.

1060. *Cassia Blumenani*. Hort. Haag.
 1061. *Indigofera Australis*. Willd.
 1062. *Inga pulcherrima*. Cerv.
 1063. *Erythrina laurifolia*. W.
 1064. " *Cristo-galli*. L.
 1065. " *Caffra*. W.

POMACEÆ.

1066. *Eriobotrya japonica* (*Mespilus*). Lindl.

BREXICEÆ.

1067. *Brexia serrata*. L.
 1068. " *chrysophylla*. Sweet.
 1069. " *madagascariensis*. Kerr.

LYTHRACEÆ.

1070. *Heimia myrtifolia*. Lk. and O.
 1071. *Cuphea platicentra*. Benth.
 1072. " *miniata*. Brogn.
 1073. *Lagerstroemia indica*. L.

RHAMNEÆ.

1074. *Berchemia volubilis*. D. C.
 1075. *Rhamnus alaternus*. L.
 1076. *Phylica ericoides*. O. et Dietr.
 1077. *Pomaderis apetala*. Labill.
 1078. " *discolor* (*othroleuca*). Vent.
 1079. *Colletia ferox* (*Bictonensis*). Bot. Mag.

APOCYNÆÆ.

1080. *Allamanda grandiflora*. Hort.
 1081. " *neriifolia*. A. Br.
 1082. " *nobilis*. Moore.
 1083. *Tabernaemontana coronaria*. L.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

APOCYNÆ.

1084. Nerium Oleander. L.
 1085. Rynchospermum jasminoides. D. C.
 1086. " obtusum, fol. var. Hort.
 1087. Echitès nutans. Sinn.
 1088. " maxima. Lindl.
 1089. " Melaleuca. Hort.
 1090. " argyræa violacea. Lindl.
 1091. Mandevillea suaveolens. Lindl.
 1092. Dipladenia amabilis. Hook.
 1093. " urophylla. Hook.
 1094. " Harrissii. Purdie.
 1095. " atropurpurea. D. C.
 1096. " crassinoda. D. C.
 1097. Stephanotis floribunda. Hook.

OLEACEÆ.

1098. Olea europæa. L.
 1099. " angustifolia. L.
 1100. " fragrans. L.
 1101. " aquifolia. L.

SOLANÆÆ.

1102. Nicotiana glauca. D. C.
 1103. Datura arborea. L.
 1104. Brugmansia Knightii pl. Hort.
 1105. " sanguinea. Rz. et Pav.
 1106. Petunia variabilis. L.
 1107. Nicrembergia filicaulis. D. C.
 1108. " gracilis. Hort.
 1109. Solandra grandiflora. Sw.
 1110. Juanullos aurantiaca. Rz. et Pav.
 1111. Brunfelsia americana. L.
 1112. " longiflora. Bot. Mag.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

SOLANEE.

1113. *Franciscea latifolia*. Pohl.
 1114. " *acuminata*. Pohl.
 1115. " *hydrangaeformis*. Cham.
 1116. " *eximia*. Scheidw.
 1117. " *Hopeana*. Hook.
 1118. *Cestrum nocturnum*. D. C.
 1119. " *aurantiacum*. Lindl.
 1120. *Fabiana imbricata*. D. C..
 1121. *Habrothamnus corymbosus*. Brogn.
 1122. " *elegans*. Brogn.
 1123. " *fascicularis*. Endl.
 1124. *Jochroma tubulosum*. Schw.
 1125. " *coccineum*. Schw.
 1126. *Solanum Capsicastrum*. Lk.
 1127. " *arboresum*. Hort.
 1128. " *laciniatum*. Ait.
 1129. " *japonicum*. D. C.
 1130. " *Pseudo-capsicum*. L.
 1131. " *marginatum*. L.
 1132. " *robustum*. Hort.
 1133. " *Warscewizii*. Hort.

ASCLEPIADEE.

1134. *Asclepias angustifolia*. L.
 1135. " *curassavica*. L.
 1136. *Stapelia bidentata*. Hort.
 1137. " *bufonia*. Jacq.
 1138. " *campanulata*. Mass.
 1139. " *ciliata*. Thunb.
 1140. " *deflexa*. Jacq.
 1141. " *glauca*. Hort.
 1142. " *hirsuta*. Hort.
 1143. " *lepida*. Jacq.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

ASCLEPIADEÆ.

1144. *Stapelia marmorata*. Jacq.
 1145. “ *multiflora*. D. C.
 1146. “ *obliqua*. Willd.
 1147. “ *orbicularis*. Don.
 1148. *Hoya carnos*a. L.
 1149. “ *cinnamomea*. Hook.
 1150. “ *bella*. Hook.
 1151. “ *imperialis*. Lindl.
 1152. “ *variegata*. De Vriese.
 1153. *Ceropegia elegans*. Lindl.

CONVOLUACEÆ.

1154. *Convolvulus mauritanicus*. Boiss.
 1155. “ *oleaefolius*. Desv.
 1156. *Ipomœa ficifolia*. Lk.
 1157. “ *Learii* (Pharbitis). Lindl.
 1158. “ *tuberosa*. Willd.
 1159. “ *palmata*. Hort.
 1160. “ *mexicana* (*grandiflora*). Lindl.
 1161. “ *Sellowii*. Otto et Dietr.

PLUMBAGINEÆ.

1162. *Plumbago rosea*.
 1163. “ *coerulea* (*capensis*). D. C.
 1164. *Statice arborescens*. Brouss.
 1165. “ *Halfordii*. Hort. Angl.
 1166. “ *sinuata* (*fimbriata*). Hort. Belg.
 1167. “ *brassicaefolia* (*macrophylla*). Bark.

PRIMULACEÆ.

1168. *Primula chinensis* (*praenitens*). D. C.
 1169. *Cyclamen persicum*. Mill.
 1170. “ *Coum*. Mill.
 1171. “ *graecum*. C. Koch.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

PRIMULACEÆ.

1172. *Cyclamen ibericum*. Hort.
 1173. “ *neapolitanum*. Ten.
 1174. “ *macrophyllum (africanum)*. Hort.

MYRSINÆÆ.

1175. *Myrsine africana*. D. C.
 1176. *Ardisia crenulata*. L.
 1177. “ “ *fructu-abbo*. Lind.
 1178. *Theophrasta longifolia*. Jacq.
 1179. “ *imperialis*. Lind.
 1180. “ *ornata*. D. Dom.

JASMINEÆÆ.

1181. *Jasminum odoratissimum*. Hort.
 1182. “ *officinale*. L.
 1183. “ *revolutum*. D. C.
 1184. “ *Sambac*. Hort.
 1185. “ *Wallichianum*. D. C.

BORAGINÆÆ.

1186. *Echium arboreum*. Jacq.
 1187. “ *canariense*. D. C.
 1188. *Heliotropium corymbosum*. Hort.
 1189. “ *Peruvianum*. L.
 1190. *Myosotis azorica*. B.

LABIATÆÆ.

1191. *Salvia azurea compacta*. Hort.
 1192. “ *Grahami*. Benth.
 1193. “ *gesneriæfolia*. Otto et Dietr.
 1194. “ *ianthina*. Otto et Dietr.
 1195. “ *involucrata*. Otto et Dietr.
 1196. “ *patens*. Cavan.
 1197. “ *Roemeriana*. Scheel.
 1198. “ *splendens*. D. C.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

LABIATÆ.

1199. *Leonitis Leonurus*. Tourmf.
 1200. *Phlomis luteus*. Lk.
 1201. *Coleus scutellaroides* (niger). Benth.
 1202. “ *Blumei* (concolor). Benth.
 1203. *Gardoquia multiflora*. R. et Pav.
 1204. *Westringia rosmarinifolia*. D. C.
 1205. *Rosmarinus officinalis*. L.

VERBENACEÆ.

1206. *Verbena aubletia*. L.
 1207. “ *melindris* var. Hort.
 1208. “ *teucrioides*. Gill et Hook.
 1209. *Aloysia citriodora* (*Verbena*). D. C.
 1210. *Lantana Camara* var. Otto et Dietr.
 1211. “ *delicatissima*. Hort.
 1212. “ *Youngii*. Ait.
 1213. *Clerodendron fallax*. Hort.
 1214. “ *Kæmpferi*. Thunb.
 1215. “ *Bungei*. Steud.
 1216. “ *Balfouri*. Hort.
 1217. “ *Thompsoni*. Balf.

SAXIFRAGINEÆ.

1218. *Saxifraga Japonica*. Fol. var. Sieb.
 1219. “ *sarmentosa*. L.
 1220. *Greyia Sutherlandii*. Hook.

GESNERIACEÆ.

1221. *Achimenes coccinea* (*Trevisana*). Poir.
 1222. “ *grandiflora*. D. C.
 1223. “ *heterophylla*. Kl.
 1224. “ *hybrida coccinea*. Hort. Van Houtte.
 1225. “ *longiflora*. Benth.
 1226. “ *patens*. Benth.
 1227. “ *pedunculata*. Rgl.

EXOTIC AND TENDER PLANTS--(Continued).

C. DICOTYLEDONES.

GESNERIACEÆ.

1228. *Achimenes rosea*. Hort.
 1229. " *Skinneri*. Lind.
 1230. *Nægelia amabilis*. Fl. Van H.
 1231. " *chromatella*. Fl. Van H.
 1232. " *cinnabarina*. Fl. Van H.
 1233. " *Lindleyana*. Fl. Van H.
 1234. " *refulgens*. Linden.
 1235. *Eucodonia Ehrenbergii*. H. et K.
 1236. " *nægelioides*. L. Van Houtte.
 1237. *Plectopoma gloxiniaefolia*. Hanst.
 1238. *Gloxinia maculata*. Herit.
 1239. " *hybrida*. Hort. Van Houtte.
 1240. *Gesneria bulbosa*. Lk.
 1241. " *Douglasii*. Fl. V. H.
 1242. " *macrantha*. Kth. and O.
 1243. " *refulgens*. Hort.
 1244. " *tubiflora*. Hanst et Kl.
 1245. *Tydaea amabilis hybrida*. Fl. V. H.
 1246. " *gigantea*. H. V. H.
 1247. *Columnea Schiedeana*. Kth.
 1248. *Mitraria coccinea*. Cav.
 1249. *Chirita sinensis*. Lindl.

CYRTANDRACEÆ.

1250. *Æschynanthus cordifolius*. Hook.
 1251. " *grandiflorus*. Hort.
 1252. " *Lobbianus*. Hook.
 1253. " *pulcher*. Hook.
 1254. " *Roxburghii*. Hook.
 1255. " *zebrinus*. Hook.

BIGNONIACEÆ.

1256. *Tecoma Australis*. R. Br.
 1257. " *Latrobææ*. R. Br.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

BIGNONIACEÆ.

1258. *Tecoma venusta* (Bignonia). Kerr.
 1259. “ *capensis*. L.
 1260. *Bignonia capreslata*. W.
 1261. “ *Chamberleyonii*. Sims.
 1262. “ *panduræformis*. D. C.
 1263. “ *speciosa*. Grah.
 1264. *Incarvillea sinensis*. L.
 1265. *Eceremocarpus puniceus*. W.

ACANTHACEÆ.

1266. *Asystasia coromandelina*. Nees.
 1267. *Justitia speciosa*. Otto et Dietr.
 1268. *Ruellia varians*. L.
 1269. “ *maculata*. W.
 1270. *Goldfusia anisophylla*. Lk.
 1271. *Henfeya scandens*. Lindl.
 1272. *Hexacentris mysorensis*. Wight.
 1273. *Aphelandra aurantiaca*. Lindl.
 1274. “ “ var. *Roetzlii*. Ortg.
 1275. “ *Leopoldii*. Van Houtte.
 1276. “ *Porteana*. Morel.
 1277. “ *pulcherrima*. Hort.
 1278. “ *rosea*. Hort.
 1279. “ *variegata*. Morel.
 1280. *Geissomeria longiflora*. Hook.
 1281. *Cyrthanthera magnifica*. Lindl.
 1282. *Eranthemum pulchellum*. Lind.
 1283. “ *Cooperi*. Lind.
 1284. “ *igneum*. Lind.
 1285. “ *sanguineum*. Hort. Veitch.
 1286. “ *tuberculatum*. Lindl.
 1287. *Peristrophe angustifolia*. Nees. fol. var.
 1288. *Fittonia argyroneura*. Coem.
 1289. *Gymnostachium giganteum*. Lem.

EXOTIC AND TENDER PLANTS--(Continued).

C. DICOTYLEDONES.

ACANTHACEÆ.

1290. *Gymnostachium Verschaffeltii*. Lem.
 1291. *Thunbergia Chrysops*. Hook.
 1292. " *Harrissii*. Hook.
 1293. " *grandiflora*. Roxb.

SCROPHULARINEÆ.

1294. *Calceolaria rugosa*. D. C.
 1295. " *hybrida*. Hort.
 1296. *Alonsoa (Hemimeris) urticaefolia*. L.
 1297. " *Warscewiczii*. Hort.
 1298. *Angelonia Gardnerii*. Lindl.
 1299. *Maurandia Barclayana*. Lindl.
 1300. " *Laceyana*. Hort.
 1301. *Lophospermum scandens*. Don.
 1302. *Rhodochiton volubile*. D. C.
 1303. *Phygelius capensis*. Lindl.
 1304. *Penstemon gentianoides*. Benth.
 1305. " *Cobaea*. Nutt.
 1306. *Torrenia asiatica*. L.
 1307. *Buddleya globosa*. L.
 1308. *Veronica speciosa*. Cunningh.
 1309. " *salicifolia*. Forst.
 1310. " *Andersonii*. Hort.
 1311. " *Hendersonii*. Hort.
 1312. *Sibthorpia europæa*. L.
 1313. *Diplacus glutinosus*. Nutt.
 1314. *Meyenia erecta*. Benth.

COMPOSITEÆ.

1315. *Senecio grandifolia*. Nees.
 1316. " *mexicana (platainfolia)*. Hort.
 1317. " *Giesbrechtii*. (Hort. Par.)
 1318. *Ligularia Kaempferi* fol. var. Hort.
 1319. *Farfugium grande*. Lindl.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

COMPOSITEÆ.

1320. *Stevia mexicana*. Lk.
 1321. " *serrata*. Cav.
 1322. " *lanceolata*. Lag.
 1323. *Eupatorium ageratoides*. L.
 1324. " *multiflorum*. Hort.
 1325. *Tussilago japonica*. Sieb.
 1326. *Conoclinium ianthinum, atropurp.* Hort.
 1327. *Kleinia repens*. D. C.
 1328. " *articulata*. D. C.
 1329. " *ficoidea*. D. C.
 1330. " *mandralisca*. D. C.
 1331. " *pugnisformis*. D. C.
 1332. *Othonna crassifolia*. D. C.
 1333. *Micania scandens*. Kth.
 1334. *Eurybia argentea*. D. C.
 1335. " *ramulosa*. D. C.
 1336. *Polymnia Uvedalis*. D. C.
 1337. " *grandis*. Hort.
 1338. *Perimenium discolor*. Schrad.
 1339. *Montagnea heracleifolia*. Hort.
 1340. *Verbesina alata*. Hort.
 1341. *Chrysanthemum indicum*. D. C.
 1342. *Leucophyto Brownii*. Lindl.
 1343. *Humea elegans*. Sm.
 1344. *Helichrysum speciosum*. R. Br.
 1345. " *argenteum*. R. Br.
 1346. " *robustum*. R. Br.
 1347. *Cinneraria hybrida*. Hort.
 1348. *Gazanea splendens*. Hort.
 1349. *Uhdea pinnatifida*. Kth.
 1350. *Stiftia chrysantha*. Mikan.

COMBRETACEÆ.

1351. *Combretum aureum*. F. V.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

COMBRETACEÆ.

1352. *Combretum coccineum*. Don.
 1353. *Terminalia Catappa*. Gaertn.
 1354. *Quisqualis indica*. Rumph.

ONAGRARIÆ.

1355. *Lopezia mexicana*. Cav.
 1356. *Zauschneria californica*. Presl.
 1357. *Fuchsia fulgens*. R. et Pav.
 1358. “ *serratifolia*. R. et Pav.
 1359. “ *microphylla*. R. et Pav.
 1360. “ *linariaefolia*. Hort.
 1361. “ *arborescens*. Spach.
 1362. “ *corymbiflora*. R. et Pav.
 1363. “ *hybrida*. Hort.

MELASTOMÆ.

1364. *Centradenia rosea*. Lindl.
 1365. “ *floribunda*. Planch.
 1366. *Pleroma elegans*. Gardn.
 1367. *Lasiandra splendens*. Lindl.
 1368. “ *grandiflora*. Lindl.
 1369. “ *macrantha*. Seem.
 1370. *Melastoma heteromalla*. Mart.
 1371. *Monochaetum ensifolium*. Naud.
 1372. *Rhexia diversifolia*. D. C.
 1373. *Miconia scandens*. Hort. Belg.
 1374. *Cyanophyllum magnificum*. Naud.
 1375. *Medinilla magnifica*. Lindl.
 1376. “ *Sieboldiana*. Planch.

MYRTACEÆ.

1377. *Myrtus communis*. L.
 1378. “ “ *microphyllus fol. var.*
 1379. “ “ *macrophyllus flore. pllno.*

C. DICOTYLEDONES.

MYRTACEÆ.

1380. *Psidium Cattleianum*. Sabin.
 1381. *Punica granatum*. L.
 1382. " *nana*. Hort.
 1383. *Tristania laurina*. R. Br.
 1384. " *nerifolia*. R. Br.
 1385. *Colothamnus quadrifidus*. R. Br.
 1386. *Melaleuca alba*. Sm.
 1387. " *canescens*. Lehm.
 1388. " *diosmaefolia*. Andr.
 1389. " *ericaefolia*. Sm.
 1390. " *fulgens*. Lk. and O.
 1391. " *hypericifolia*. Sm.
 1392. " *linariaefolia*. Lk.
 1393. " *ovata*. Hort.
 1394. " *lucidula*. Lk. var. Minor.
 1395. " *thymifolia*. Sm.
 1396. *Leptospermum baccatum*. Sm.
 1397. " *buxifolium*. D. C.
 1398. " *scoparium*. Sm.
 1399. " *juniperinum*. Sm.
 1400. " *flavescens*. Hort. berol.
 1401. " *lanigerum*. Sm.
 1402. " *persicifolium*. Schawr.
 1403. " *Preissianum*. Lehm.
 1404. " *stellatum*. Cov.
 1405. *Baeckia virgata*. Andr.
 1406. *Kunzea lanuginosa*. Reichb.
 1407. " *leptospermoides*. F. Merell.
 1408. " *violacea*. Reichb.
 1409. " *microphylla*. Hort.
 1410. *Metrosideros florida*. Forst.
 1411. *Callistemon lanceolatus*. D. C.
 1412. " *linearis*. D. C.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

MYRTACEÆ.

1413. *Callistemon floribundus*. Hort.
 1414. " *purpurens*. Hort.
 1415. " *pinifolius*. D. C.
 1416. " *rigidus*. R. Br.
 1417. " *robustus*. D. C.
 1418. " *salignus*. D. C.
 1419. " *semperflorens*. D. C.
 1420. " *speciosus*. D. C.
 1421. " *viridiflorus*. D. C.
 1422. " *viminalis*. G. Don.
 1423. *Eucalyptus amygdalina*. Labill.
 1424. " *calophylla*. R. Br.
 1425. " *citriodora*. Muell.
 1426. " *colossa*. Muell.
 1427. " *diversifolia*. R. Br.
 1428. " *alba*. Muell.
 1429. " *flexuosa*. Lk. (Agonis.)
 1430. " *globulus*. Labill.
 1431. " *Gunnii*. R. Br.
 1432. " *longifolia*. Muell.
 1433. " *obliqua*. Muell.
 1434. " *piperita*. R. Br.
 1435. " *populifolia*. Muell.
 1436. " *robusta*. R. Br.
 1437. " *saligna (viminalis)*. Lk.
 1438. " *rostrata*. Muell.
 1439. " *resinifera*. R. Br.
 1440. *Eugenia Australis*. Wendl.
 1441. " *Jambos*. D. C.
 1442. " *Ugnei*. Hook.

CACTEÆ.

1443. *Mammillaria amoena*. Hopfr.
 1444. " *auriceps*. Lem.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

CACTEÆ.

1445. *Mammillaria bicolor*. Lem.
 1446. " *densa*. Lk. et Otto.
 1447. " *discolor*. Haw.
 1448. " *echinata*. D. C.
 1449. " *glochidiata*. Mart.
 1450. " *graulis minor*. Salm. D.
 1451. " *multiceps*. Salm. D.
 1452. " *polythele*. Mart.
 1453. " *pusilla*. D. C.
 1454. " *rhodantha*. Lk. et O.
 1455. " *radians*. D. C.
 1456. *Echinocactus cornigerus*. D. C.
 1457. " *gibbosus*. D. C.
 1458. " *Linkii*. Lem.
 1459. " *Ottonis*. Lem.
 1460. " *pumilus*. Lem.
 1461. " *turbinatus*. Lk. and O.
 1462. *Echinopsis Eyriesii*. Lucc.
 1463. " *multiplex*. Lucc.
 1464. " *Pentlandii*. Salm. D.
 1465. " *rhodocantha*. Salm. D.
 1466. " *Luccariniana*. Pfr.
 1467. *Echinocereus Ehrenbergii*. Engelm.
 1468. " *histris*. Hort.
 1469. " *multiangularis*. Engelm.
 1470. " *strigosus*. Engelm.
 1471. *Cereus flagelliformis*. Haw.
 1472. " *giganteus*. Engelm.
 1473. " *grandiflorus*. Haw.
 1474. " *nycticalus*. Lk.
 1475. " *hexagonus*. Hort.
 1476. " *Ackermanni*. Salm. D.
 1477. " *crenatus*. Salm. D.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

CACTEÆ.

1478. *Cereus latifrons*. Salm. D.
 1479. " *Peruvianus*. Tabern.
 1480. " *serpentinus*. Lag.
 1481. " *speciosus*. D. C.
 1482. " *tetragonus*. Lk.
 1483. " *flagelliformis*. D. C.
 1484. " *triangaleris*. Haw.
 1485. " *alatus* hybr. Hort.
 1486. *Epiphyllum Altenstemii*. Lk.
 1487. " *truncatum*. Haw.
 1488. " " *violaceum*. Hort.
 1489. " " *minor*. Hort.
 1490. *Opuntia brasiliensis*. Gill.
 1491. " *cylindrica*. Juss.
 1492. " *Ficus-indica*. Mill.
 1493. " *fullvispina*. Salm. D.
 1494. " *glomerata*. Haw.
 1495. " *mycrodasys*. Lehm.
 1496. " *senilis*. Hort.
 1497. " *Tuna*. Mill.
 1498. " *Peruviana*. Lk.
 1499. *Pereskia (Peirescia) aculeata*. Plum.
 1500. " *Bleo*. D. C.
 1501. " *rosea*. Hort. Berol.
 1502. " *floribunda*. Hort.
 1503. *Rhipsalis crispata*. Pfr.
 1504. " *mesembrianthoides*. Haw.
 1505. " *paradoxa*. Salm. D.
 1506. " *rhombea*. Pfr.
 1507. " *salicornioides*. Lehm.
 1508. " *stricta*. Salm. D.

RUBIACEÆ.

1509. *Coffea arabica*. L.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

RUBIACEÆ.

1510. *Serissa foetida*. L.
 1511. “ *japonica*, fol. var. Sieb.
 1512. *Psychotria leucantha* (Rudgea). R. Br.
 1513. *Pavetta borbonica*. Hort.
 1514. “ *caffra*. L.
 1515. *Ixora coccinea*. L.
 1516. “ *crocata*. Lindl.
 1517. “ *javanica*. Bl.
 1518. “ *salicifolia* (*angustifolia*). D. C.
 1519. *Rondeletia speciosa*. Hook.
 1520. “ *anomala*. Lindl.
 1521. *Pentas carnea*. Benth.
 1522. *Bouvardia triphylla*. Salisb.
 1523. “ *Leyantha*. Benth.
 1524. “ *splendens*. Grah.
 1525. “ *jasminoides*. Hort.
 1526. *Manettia bicolor*. Paxt. Mag.
 1527. “ *cordata*. D. C.
 1528. *Gardenia radicans*. Thunb.
 1529. “ “ *foliis albis*. Hort.
 1530. “ *florida*. D. C.
 1531. “ *Fortunei*. Lindl.
 1532. “ “ *foliis variegatis*. Hort.
 1533. *Gardenia citriodora*. Hook.
 1534. *Posoqueria longiflora*. Ch. Lem.
 1535. *Moussenda frondosa*. D. C.
 1536. “ *macrophylla*. Hort. Belg.
 1537. *Burchellia capensis*. D. C.
 1538. *Rogiera cordata*. Pl.
 1539. “ *gratissima*. Lindl.

AMPELIDÆ.

1540. *Cissus discolor* (*marmorata*). Blume.
 1541. “ *amazonica*. Lindl.

EXOTIC AND TENDER PLANTS—(Continued).

C. DICOTYLEDONES.

AMPELIDÆ.

1542. *Cissus porphyrophylla*. Lind.
 1543. “ *Lindenii*. E. Endr.

ARALIACEÆ.

1544. *Aralia Australis*. R. Br.
 1545. “ *catalpaefolia*. Lind.
 1546. “ *crassifolia*. C. Koch.
 1547. “ *Guatemalensis*. Hort.
 1548. “ *leptophylla*. Hort.
 1549. “ “ *macrophylla*. Hort.
 1550. “ *quinquefolia*. C. Koch.
 1551. “ “ *foliis variegatis*. Hort.
 1552. “ *papyrifera*. Hook.
 1553. “ *Scheffleri*. Hort.
 1554. “ *longifolia*. C. Koch.
 1555. “ *trifoliata*. C. Koch.
 1556. “ *integrifolia*. Hort.
 1557. *Gastonia palmata*. Roxb.
 1558. *Fatsia Japonica*. Dcn. et Pl.
 1559. “ “ *fol. var.* Hort.
 1560. *Hedera Algeriensis*. D. C.
 1561. “ *arborea foliis variegatis*. Hort.

APPENDIX M.

STATEMENT OF WORK DONE

ON SEVERAL UNDERTAKINGS OF THE

DEPARTMENT OF PUBLIC PARKS,

JUNE, 1872, TO JANUARY, 1874.

STATEMENT OF WORK DONE

ON SEVERAL UNDERTAKINGS OF THE DEPARTMENT OF PUBLIC PARKS,

JUNE, 1872, TO JANUARY, 1874.

Through the organization for design and superintendence as indicated below * general designs, plans, details, specifications and instructions have been prepared, all professional superintendence provided, estimates and measurements made, accounts kept and contract work inspected and certified for the various works named in the following statement, and for the quantities as therein stated, for the last twenty months.

-
- *Olmsted & VauxLandscape Architects and General Superintendents to May 29, 1872.
Calvert VauxLandscape Architect to October 24, 1872.
Consulting Architect to June 4, 1873.
Architect of Museums of Natural History and of Art to Jan., 1874.
Fred. Law Olmsted, Landscape Architect, October 24, 1872, to January, 1874.
J. Wrey MouldAssociate Architect to January, 1874.
Julius MunckwitzSuperintendent of Architectural Constructions to December 23, 1873.
Superintending Architect to January, 1874.
John BogartActing Chief Engineer, August 13, 1872, to September 15, 1872.
Chief Engineer to December 23, 1873.
Engineer to January, 1874.
A. O. DelanoActing Engineer to August 13, 1872.
Assistant Engineer in charge Central Park to December 17, 1872.
Frank A. CalkinsAssistant Engineer in charge City Squares and Places to January, 1874.
Fred. L. Underhill, Assistant Engineer, general service, to December 17, 1872.
Assistant Engineer in charge Central Park to January, 1874.
Chas. M. HarrisAsst. Engineer, general service, September 4, 1872, to October 20, 1873.
Asst. Engineer in charge Morningside Park to January, 1874.
Jas. C. AldrichAssistant Engineer in charge Riverside Park and on general service, October 6, 1873, to January, 1874.

CENTRAL PARK.

Enclosing Wall.

2,800 lineal feet upper vertical wall of Ohio stone.
 8,155 " " lower vertical wall, Ashlar.
 6,585 " " blue stone base coping.
 9,105 " " rubble foundation wall.
 2,268 " " " " " laid dry.
 66 " " wing wall and coping near Transverse roads.
 2 piers for Transverse roads.

Park Slopes adjacent to Eighth Avenue.

10,500 cubic yards filling.

Entrance Eighth Avenue and 85th Street (Mariners' Gate).

5,000 cubic yards excavation, rock.
 1,500 " " " earth.
 500 lineal feet roadway, 33 feet wide, paved.
 1,000 " " gutters built.

Entrance Eighth Avenue and 100th Street (Boys' Gate).

3,500 cubic yards filling.

Entrance Seventh Avenue and 110th Street (Warriors' Gate).

500 cubic yards filling on Drive.

Inscope Arch.

4,800 cubic yards excavation.
 216 piles driven.
 3,500 square feet timber grillage in foundations.
 45 lineal feet temporary bridge, 60 feet wide.
 2,000 square feet sheet piling.

Walks in Southeast System.

600 cubic yards excavation.
 9,000 " " filling.
 1,050 lineal feet walk foundation.
 10 silt basins built.
 410 lineal feet 6-inch vitrified pipe laid.
 175 " " 4 " " " "

Concert Ground on Mall.

22,200 square feet walk graded and paved.
 7,163 lineal feet benches constructed and set.

Pavement of Walks near Mall.

40,815 square feet Grahamite pavement.

Boat House.

9,000 feet timber worked ready for construction.

Casino.

260 cubic yards rock excavation.
 61 " " stone masonry.
 3,200 feet timber.
 1,500 square feet flooring.

Carrousel.

700 cubic yards excavation.
 65 " masonry.

South outer Wall of Central Park (59th Street).

2,200 cubic yards excavation.
 2,200 " " soil filling.

North outer Wall of Central Park (110th Street).

3,000 cubic yards filling.

The Plaza (Fifth Avenue, 58th and 59th Streets).

250 lineal feet curb set.

The Glen Span.

3,900 feet timber.
 35 cubic yards stone masonry.

Rustic Bridge.

280 feet timber.

Bank-rock Bridge.

2,300 feet timber.

Rustic Seats.

3 large seats made near Schiller monument.

Rinderberg.

Remodeled and repaired.

Manhattan Square.

130,000 cubic yards filling.
 12,500 " " rock excavation.

Museum of Natural History.

570 cubic yards stone masonry for foundations.

THE BATTERY.

- 140 cubic yards excavation.
- 231 lineal feet vitrified pipe laid.
 - 1 receiving basin built.
- 27,170 square feet pavement laid on walks.
- 26,500 " " walks graded.
- 400 lineal feet gas-pipe laid.
- 8 lamp-posts set.

CITY HALL PARK.

- 110 cubic yards excavation.
- 150 lineal feet vitrified pipe laid.
- 124 " " lead water-pipe laid.
 - 7 stop-cocks set.
 - 2 basins built.
 - 1 street washer set.
 - 4 drinking hydrants set.

FIVE POINTS PARK.

- 340 cubic yards excavation.
- 580 " " filling.
- 85 " " foundation masonry.
- 150 lineal feet vitrified pipe laid.
- 130 " " lead water-pipe laid.
- 374 " " six-inch curb set.
 - 2 stop-cocks set.
 - 3 basins built.

JACKSON PARK.

- 5,860 square feet flagging laid.

WASHINGTON SQUARE.

- 260 cubic yards excavation.
- 35 " " soil filling.
- 7,890 square yards carriage pavement repaired.
- 380 lineal feet curb set.
- 16 " " vitrified pipe laid.
- 120 " " water-pipe laid.
 - 1 drinking fountain set.
 - 1 " hydrant moved and reset.
 - 1 street washer set.
 - 1 basin built.

UNION SQUARE.

- 5,040 cubic yards earth excavation.
- 37 " " rock "
- 1,100 " " soil filling.
- 5,716 square yards Belgian pavement laid and relaid.
- 49,894 " feet walk " " "

- 49,600 square feet walks graded.
- 6,100 " " stone crosswalks laid and relaid.
- 3,166 lineal feet curb set.
- 860 " " vitrified pipe laid.
- 1,250 " " gas " "
- 321 " " water " "
- 6 stop-cocks set.
- 2 street washers set.
- 2 drinking hydrants set.
- 1 man-hole and trap to sewer set.
- 25 lamp-posts set.
- 20 basins built.

WORTH MONUMENT.

- 745 cubic yards earth excavation.
- 8,157 square feet of plaza graded and paved.
- 432 lineal feet curb set.
- 286 " " vitrified pipe laid.
- 70 " " water " "
- 1 stop-cock set.
- 2 basins set.
- 5 lamp-posts set.
- 10 trees planted.
- 9,850 square feet flagging taken up.

MADISON SQUARE.

- 110 cubic yards earth excavation.
- 2,035 square yards Belgian pavement laid and relaid.
- 3,600 " feet stone crosswalks " "
- 1,800 " " flagging relaid.
- 635 " " walk pavement relaid.
- 256 lineal " curb set.
- 104 " " vitrified pipe laid.
- 70 " " water " "
- 1 basin built.
- 2 drinking hydrants set.
- 4 stop-cocks.

STUYVESANT SQUARE.

- 32,040 square feet flagging relaid.
- 2,216 lineal " curb reset.
- 200 square " crosswalk relaid.
- 250 cubic yards earth excavation.

PARK AVENUE PARKS.

- 1,032 lineal feet granite coping set.
- 1,089 " " iron railing set.

PLACE, BOULEVARD AND 63D STREET.

- 100 cubic yards earth excavation.

MOUNT MORRIS SQUARE.

26,153 square feet walk laid (Day Vulcanite pavement).
 124 rock steps made (average 7.4 x 1.4).

PLACE, BOULEVARD AND 65TH STREET.

500 cubic yards rock excavation.

MORNINGSIDE PARK.

8,200 cubic yards soil excavated and piled.
 1,800 " " earth excavated.
 975 " " rock "
 400 lineal feet brick sewer built.
 1,200 " " walks graded (20 feet wide).

RIVERSIDE PARK.

1,350 cubic yards soil excavated and piled.
 1,000 " " earth excavation.
 1,405 " " retaining wall built.
 2,395 " " filling.
 89 acres cleared.

APPENDIX N.

TABLES

OF

LABOR AND RATES OF WAGES.

STATEMENT showing in Number of Days the Force, in various classes, employed on the Parks and other Works under charge of the Board,
for eight months ending December 31st, 1872.

1872.	Superintendent.	Architects.	Topographical Engineer.	Engineers.	Ast. Engineers.	Draughtsmen.	Surveyors.	Levelers.	Rodmen.	Chainmen.	Axemen.	Flagmen.	Tapemen.	Borers.	Division Engineers.	Meteorologist.	Ast. to Meteorologist.	Clerks.	Messengers.	Stone Breakers.
May.....	31	62	31	31	329	99	31	27	182	183	401	.....	.....	.....	124	31	.....	278	197	982
June.....	30	60	30	15	273	90	30	25	110	145	253	.....	.....	.....	90	30	.....	291	165	414
July.....	31	62	31	.....	62	97	31	21	62	162	202	.....	.....	.....	62	31	31	278	68	.....
August.....	31	62	31	.....	62	93	31	27	78	167	252	.....	24	21	62	31	31	306	108	...
September.....	30	60	30	24	228	162	60	111	141	228	323	16	25	29	.....	30	30	324	124	.....
October.....	31	62	31	27	227	194	92	76	111	228	284	27	27	30	.....	31	31	303	134	.....
November.....	30	60	30	26	296	202	85	23	86	258	323	.....	52	28	.....	30	30	293	129	.....
December.....	31	62	31	26	269	205	62	26	75	256	305	.....	52	.....	.....	31	31	302	130	.....

STATEMENT showing in Number of Days the Force, in various classes, employed on the Parks and other Works under charge of the Board, for eight months ending December 31st, 1872—(Continued).

1872.	Surgeon.	Captain.	Lieutenant.	Sergeants.	Roundsmen.	Patrolmen.	Gate-keepers.	Bridge-tenders.	Water-boys.	Sculptor.	Inspectors.	General Foremen.	Foremen.	Assistant Foremen.	Carpenters.	Painters.	Stone Cutters.	Masons.	Mechanical Engineer.	Iron-worker.
May.....	31	31	31	213	93	2,063	814	82	24	27	62	84	1,332	22	438	208	2,156	1,691	....	25
June.....	30	30	30	210	89	1,997	779	60	12	25	30	56	852	25	385	188	1,895	1,614	....	24
July.....	31	31	31	216	92	1,993	808	62	....	27	4	31	411	27	383	202	1,954	1,877	....	23
August.....	31	31	31	217	93	2,060	816	62	....	27	....	31	441	27	1,185	212	2,199	2,298	....	26
September.....	30	30	30	210	90	1,763	728	60	....	25	....	52	486	62	1,126	218	2,177	2,124	....	20
October.....	31	31	31	211	93	1,949	762	62	....	27	....	62	556	81	1,143	211	2,503	2,309	....	23
November.....	30	27	30	210	90	1,913	702	60	....	25	....	56	524	72	757	191	1,924	1,270	16	15
December.....	31	....	31	217	93	1,984	701	62	....	25	....	62	509	44	794	199	1,298	127	31	....

STATEMENT showing in Number of Days the Force, in various classes, employed on the Parks and other Works under charge of the Board, for eight months ending December 31st, 1872—(Continued).

1872.	Blacksmiths.	Helpers.	Plumbers.	Landscape Gardener.	Division Gardeners.	Gardeners.	Blasters.	Rockmen.	Skilled Laborers.	Laborers.	Double Teams.	Carts.	Steam Engineers.	Eight horse Teams.	Female Attendants.	Watchmen.
May.....	498	432	58	31	143	726	222	8,013	1,374	29,298	4,456	5,295	137	8	225	....
June.....	324	278	55	30	142	710	120	4,236	1,049	21,410	2,549	3,520	78	26	234	....
July.....	205	181	57	31	146	752	25	1,044	562	12,808	631	1,773	3	....	244	....
August.....	221	185	58	31	142	828	44	1,837	557	14,134	702	2,222	....	....	244	....
September.....	297	193	55	30	138	775	90	3,269	615	14,589	1,063	2,440	....	....	235	....
October.....	336	232	58	31	140	819	123	4,610	852	15,606	1,381	2,498	....	....	243	15
November.....	297	206	55	30	115	720	101	3,753	799	13,233	1,122	1,999	....	....	229	....
December.....	262	183	55	31	106	745	100	3,890	941	13,882	1,115	1,902	....	....	252	....

STATEMENT showing the average Working Force, in various classes, per day, Employed on the Parks and other Works under charge of the Board, for eight months ending December 31st, 1872.

MONTHS.	Superintendent.	Architects.	Topographical Engineer.	Engineer.	Ast. Engineers.	Draughtsmen.	Surveyors.	Levelers.	Rodmen.	Chairmen.	Axemen.	Flagmen.	Tapemen.	Borers.	Division Engineers.	Meteorologist.	Ast. to Meteorologist.	Clerks.	Messengers.	Stone Breakers.	Surgeon.	Captain.	Lieutenant.	Sergeants.	Roundsmen.	Patrolmen.	Gate Keepers.	Bridge Tenders.	
1872.																													
May.....	1	2	1	1	11	3	1	1	6	7	15	.....	.....	.....	4	1	.....	9	6	39	1	1	1	7	3	67	26	3
June.....	1	2	1	1	9	3	1	1	4	6	10	.....	.....	.....	3	1	.....	10	5	32	1	1	1	7	3	64	26	2
July.....	1	2	1	.....	2	3	1	1	2	6	7	.....	.....	.....	2	1	1	9	2	.....	1	1	1	7	3	64	26	2
August.....	1	2	1	.....	2	3	1	1	3	6	9	.....	1	1	2	1	1	10	4	.....	1	1	1	7	3	66	26	2
September.....	1	2	1	1	8	5	2	4	5	9	13	1	1	1	.....	1	1	11	5	.....	1	1	1	7	3	59	24	2
October.....	1	2	1	1	7	6	3	2	4	8	11	1	1	1	.....	1	1	10	5	.....	1	1	1	7	3	63	25	2
November.....	1	2	1	1	10	7	3	1	3	10	12	.....	2	1	.....	1	1	10	5	.....	1	1	1	7	3	64	24	2
December.....	1	2	1	1	9	7	2	1	2	10	12	.....	2	.....	.....	1	.....	10	5	.....	1	.....	1	7	3	64	23	2

STATEMENT showing the average Working Force, in various classes, per day, employed on the Parks and other Works under charge of the Board, for eight months ending December 31st, 1872.—(Continued).

MONTHS.	Water Boy.	Sculptor.	Inspectors.	General Foremen.	Foremen.	Ast. Foremen.	Carpenters.	Painters.	Stone Cutters.	Masons.	Mechanical Engineers.	Iron-Workers.	Blacksmiths.	Helpers.	Plumbers.	Landscape Gardener.	Division Gardeners.	Gardeners.	Blasters.	Rockmen.	Skilled Laborers.	Laborers.	D. Teams.	Carts.	Steam Engineers.	8 Horse Teams.	Female Attendants.	Watchmen.	
1872.																													
May.....	1	1	2	3	43	1	16	8	80	63	...	1	18	16	2	1	5	23	8	258	44	945	149	171	5	1	7	...	
June.....	1	1	1	2	28	1	15	8	76	65	...	1	13	11	2	1	5	24	5	151	35	714	85	117	3	2	8	...	
July.....	1	1	1	13	1	14	7	72	69	...	1	8	7	2	1	5	24	1	40	18	413	23	57	1	...	8	...		
August.....	1	...	1	14	1	44	8	81	85	...	1	8	7	2	1	5	27	2	68	18	456	26	72	...	...	8	...
September.....	1	...	2	16	2	43	8	87	85	...	1	12	8	2	1	5	26	4	131	21	486	43	81	...	...	8	...
October.....	1	...	2	18	3	42	8	93	89	...	1	12	9	2	1	5	26	5	171	27	504	48	81	...	...	8	1
November.....	1	...	2	17	3	32	8	87	60	1	1	12	9	2	1	4	24	5	156	27	441	45	67	...	...	8	...
December.....	1	...	2	16	2	32	8	68	7	1	...	10	7	2	1	4	24	4	150	30	448	45	61	...	...	8	...

STATEMENT showing in Number of Days the Force, in various classes, employed on the Parks and other Works under charge of the Board,
for twelve months ending December 31st, 1873.

MONTHS.	Superintendent.	Architects.	Topographical Engineer.	Engineer.	Ast. Engineers.	Draughtsmen.	Surveyors.	Levelers.	Rodmen.	Chainmen.	Axemen.	Consulting Engineer.	Tapemen.	President.	Landscape Architect.
1873.															
January.....	31	62	31	27	242	179	33	27	93	247	233	..	52	..	..
February.....	28	56	28	24	192	199	52	24	80	212	190	..	47	..	..
March.....	31	62	31	29	212	218	57	26	88	234	193	..	52	..	..
April.....	30	60	30	30	190	194	56	25	80	210	184	..	52	..	..
May.....	31	62	31	31	212	221	58	27	62	216	214	..	54	..	..
June.....	31	60	30	30	205	184	55	25	60	200	200	..	50	..	30
July.....	31	62	31	31	213	209	54	27	62	216	216	31	54	31	31
August.....	31	62	31	31	212	207	52	26	62	208	208	31	52	3	31
September.....	30	60	30	30	206	202	52	26	60	208	208	30	52	30	30
October.....	31	62	31	31	234	209	54	27	62	216	216	..	54	31	31
November.....	30	60	30	30	235	200	50	25	60	200	200	..	50	30	30
December.....	31	62	31	31	244	209	54	27	62	216	216	..	54	31	31

STATEMENT showing in Number of Days the Force, in various classes, employed on the Parks and other Works under charge of the Board, for twelve months, ending December 31st 1873—(Continued).

MONTHS.	Meteorologist.	Ast. to Meteorologist.	Clerks.	Messengers.	Book-keeper.	Surgeons.	Captain.	Lieutenant.	Sergeants.	Roundsmen.	Patrolmen.	Gate Keepers.	Bridge Tenders.	Secretary.	Sculptors.
1873.															
January	31	31	269	135	..	31	31	31	168	21	1,596	776	62	..	26
February	28	28	125	110	..	28	28	28	138	..	1,343	708	56	..	24
March	31	31	243	128	..	31	31	31	148	..	1,504	769	62	..	26
April	30	30	236	130	..	30	30	30	149	..	1,437	747	60	..	26
May	31	31	212	133	..	31	31	31	125	..	1,450	736	35	..	26
June	30	30	295	188	30	30	30	30	120	..	1,411	708	30	..	25
July	31	31	306	193	31	45	31	27	109	..	1,381	735	31	16	25
August	31	31	305	187	31	62	31	31	123	..	1,365	728	62	31	26
September	30	30	296	186	30	60	30	30	120	..	1,369	683	60	30	26
October	31	31	306	193	31	62	31	..	124	..	1,624	738	62	31	27
November	30	30	295	180	30	60	30	..	120	..	1,563	708	60	30	24
December	31	31	306	193	31	39	31	..	124	..	1,651	741	62	31	26

STATEMENT showing in Number of Days the Force, in various classes, employed on the Parks and other Works under charge of the Board, for twelve months, ending December 31st, 1873—(Continued).

MONTHS.	Ast. Secretary.	General Foremen.	Foremen.	Ast. Foremen.	Carpenters.	Painters.	Stone Cutters.	Masons.	Mech. Engineer.	Janitor.	Blacksmiths.	Helpers.	Plumbers.	Head Gardeners.	Division Gardeners.
1873.															
January.....	..	62	516	21	797	206	1,365	112	31	..	273	166	57	62	100
February.....	..	56	460	14	727	181	1,341	116	28	..	251	155	52	56	108
March.....	..	62	509	23	820	248	1,540	278	31	..	285	171	57	62	122
April.....	..	60	506	83	846	201	2,082	1,351	30	..	280	162	56	60	125
May.....	..	62	498	112	593	157	629	580	31	..	133	85	58	62	132
June.....	30	60	433	105	311	101	13	145	30	30	74	25	55	61	128
July.....	31	62	451	134	425	180	919	1,543	31	31	189	62	56	62	136
August.....	31	62	446	134	466	228	971	1,752	31	31	203	74	57	62	127
September.....	30	60	440	134	475	229	1,027	1,823	30	30	191	77	56	60	129
October.....	31	32	456	141	508	231	1,182	1,937	31	31	197	80	58	31	66
November.....	30	30	430	130	432	206	1,128	1,822	30	30	158	69	53	30	..
December.....	31	31	519	137	473	232	1,386	1,124	31	31	226	77	57	31	..

STATEMENT showing in Number of Days the Force, in various classes, employed on the Parks and other Works under charge of the Board, for twelve months, ending December 31st, 1873—(Continued).

MONTHS.	Gardeners.	Blasters.	Rockmen.	Skilled Laborers.	Laborers.	D. Teams.	Carts.	Station Men.	Night Watchmen.	Female Attendants.	Watchmen.	Vice President.	Treasurer.	Chief Clerk.	Pile Drivers.
1873.															
January.....	743	102	3,929	764	13,811	1,257	1,901	..	..	272	36	..	..	..	..
February.....	603	100	3,595	972	12,689	1,214	1,863	..	..	242	84	..	..	..	..
March.....	672	109	3,912	987	13,140	877	782	..	..	253	93	..	..	..	..
April.....	686	122	4,433	793	14,264	1,558	2,479	..	..	245	90	..	..	..	..
May.....	668	27	1,118	683	10,357	446	1,471	93	208	271	93	..	..	..	..
June.....	660	1	24	584	8,332	209	1,271	90	210	265	90	..	..	..	..
July.....	686	68	1,956	746	11,208	879	1,855	93	217	270	93	..	..	16	..
August.....	642	74	2,072	762	11,154	884	1,860	93	217	274	93	3	3	31	..
September.....	648	75	2,161	758	11,170	792	1,949	89	199	318	90	30	30	30	..
October.....	603	71	2,168	790	11,368	908	1,946	4	3	334	86	31	31	31	74
November.....	282	63	1,821	717	9,848	762	1,507	..	..	304	90	30	30	30	19
December.....	308	102	2,902	775	14,404	1,197	1,597	..	..	307	93	31	31	31	..

STATEMENT showing the average Working Force, in various classes, per day, employed on the Parks and other Works under charge of the Board, for twelve months, ending December 31st, 1873.

MONTHS.	Superintendent.	Architects.	Topographical Engineer.	Engineers.	Ast. Engineers.	Draughtsmen.	Surveyors.	Levelers.	Rodmen.	Chainmen.	Axemen.	Consulting Engineer.	Tapemen.	President.	Landscape Architect.	Meteorologist.	Assistant to Meteorologist.	Clerks.	Messengers.	Book-keeper.
1873.																				
January.....	1	2	1	1	8	6	1	1	3	9	9	..	2	..	..	1	1	9	5	..
February.....	1	2	1	1	7	7	2	1	3	9	8	..	2	..	..	1	1	8	5	..
March.....	1	2	1	1	7	7	2	1	3	9	7	..	2	..	..	1	1	8	5	..
April.....	1	2	1	1	6	6	2	1	3	8	7	..	2	..	..	1	1	8	5	..
May.....	1	2	1	1	7	7	2	1	2	8	8	..	2	..	..	1	1	7	5	..
June.....	1	2	1	1	7	6	2	1	2	8	8	..	2	..	1	1	1	10	6	1
July.....	1	2	1	1	7	7	2	1	2	8	8	1	2	1	1	1	1	10	6	1
August.....	1	2	1	1	7	7	2	1	2	8	8	1	2	1	1	1	1	10	6	1
September.....	1	2	1	1	7	7	2	1	2	8	8	1	2	1	1	1	1	10	7	1
October.....	1	2	1	1	8	7	2	1	2	8	8	..	2	1	1	1	1	10	6	1
November.....	1	2	1	1	8	7	2	1	2	8	8	..	2	1	1	1	1	10	6	1
December.....	1	2	1	1	8	7	2	1	2	8	8	..	2	1	1	1	1	10	6	1

STATEMENT showing the average Working Force, in various classes, per day, employed on the Parks and other Works under charge of the Board, for twelve months, ending December 31st, 1873—(Continued).

MONTHS.	Surgeons.	Captain.	Lieutenant.	Sergeants.	Roundsmen.	Patrolmen.	Gate Keepers.	Bridge Tenders.	Ast. Secretary.	Sculptor.	Secretary.	Gen. Foremen.	Foremen.	Ast. Foremen.	Carpenters.	Painters.	Stone Cutters.	Masons.	Mech. Engineer.	Janitor.
1873.																				
January.....	1	1	1	5	1	51	25	2	..	1	..	2	17	1	31	8	65	7	1	..
February.....	1	1	1	5	..	48	25	2	..	1	..	2	16	1	32	8	71	7	1	..
March.....	1	1	1	5	..	49	25	2	..	1	..	2	16	1	32	9	64	11	1	..
April.....	1	1	1	5	..	48	25	2	..	1	..	2	17	3	33	7	80	52	1	..
May.....	1	1	1	4	..	47	24	1	..	1	..	2	16	4	23	6	33	22	1	..
June.....	1	1	1	4	..	47	24	1	1	1	..	2	14	3	12	4	13	6	1	1
July.....	1	1	1	4	..	44	24	1	1	1	1	2	15	4	16	6	35	59	1	1
August.....	2	1	1	4	..	44	23	2	1	1	1	2	15	4	18	8	39	70	1	1
September.....	2	1	1	4	..	46	23	2	1	1	1	2	13	5	18	9	41	73	1	1
October.....	2	1	..	4	..	52	24	2	1	1	1	1	15	5	19	9	45	72	1	1
November.....	2	1	..	4	..	52	24	2	1	1	1	1	14	5	19	8	51	79	1	1
December.....	1	1	..	4	..	53	24	2	1	1	1	1	17	5	18	9	60	45	1	1

STATEMENT showing the average Working Force, in various classes, per day, employed on the Parks and other Works under charge of the Board, for twelve months, ending December 31st, 1873—(Continued).

MONTHS.	1873.																		
	January.....	10	6	2	2	4	24	4	151	29	442	43	61	9	3
February.....	11	7	2	2	4	22	5	150	35	453	49	67	..	..	9	3	..	..	..
March.....	11	7	2	2	5	22	5	157	32	424	31	57	..	..	8	3	..	..	..
April.....	11	6	2	2	5	23	5	170	26	475	56	83	..	..	8	3	..	..	..
May.....	5	3	2	2	5	22	1	93	22	334	15	47	3	7	9	3	..	..	..
June.....	3	1	2	2	4	22	1	24	19	278	7	42	3	7	9	3	..	..	..
July.....	7	2	2	2	4	22	3	75	24	361	28	62	3	7	9	3	..	..	1
August.....	8	3	2	2	4	21	3	80	25	390	30	60	3	7	9	3	1	1	1
September.....	7	3	2	2	4	21	3	83	25	372	26	65	3	7	11	3	1	1	1
October.....	7	3	2	1	3	19	3	80	26	367	31	63	2	1	11	3	1	1	1
November.....	7	3	2	1	..	9	3	79	24	328	35	58	..	..	10	3	1	1	1
December.....	9	3	2	1	..	10	4	112	25	465	46	61	..	..	10	3	1	1	1

TABLE showing the rate of pay per day from the commencement of the work to November 1st, 1873. (The working day previous to April, 1870, was ten hours; since that date it is computed at eight hours.)

	1857.		1858.		1859.		1860.		1861.		1862.		1863.		1864.	
	November 1.	April 1.	November 1.	April 1.	November 1.	April 1.	November 1.	April 1.	November 1.	April 1.	November 1.	April 1.	November 1.	April 1.	November 1.	
Foremen	\$1 50	\$1 50	\$1 75	\$1 75	\$2 00	\$2 00	\$2 00	\$2 00	\$2 00	\$2 00	\$2 00	\$2 00	\$2 00	\$2 50	\$3 00	
Assistant foremen	1 00	1 00	1 25	1 25	1 50	1 50	1 50	1 50	1 50	1 50	1 50	1 50	1 65	1 80	2 25	
Laborers	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 25	1 25	1 50	1 80	
Double teams	3 50	3 50	3 50	3 50	3 50	3 50	3 50	3 50	2 75	2 60	2 70	3 30	3 50	3 90	4 40	
Carts	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	1 80	1 75	1 80	2 20	2 50	2 80	3 15	
Blacksmiths	1 50	1 50	1 50	1 50	1 75	1 87 $\frac{1}{2}$	1 87 $\frac{1}{2}$	1 87 $\frac{1}{2}$	1 60	1 60	1 65	1 90	2 00	2 50	3 00	
Helpers	1 00	1 00	1 00	1 12	.....	1 25	1 25	1 00	1 05	1 10	1 25	1 35	1 60	1 90	1 90
Carpenters	1 50	1 50	1 50	1 50	1 75	1 75	1 75	1 75	1 60	1 60	1 75	2 00	2 00	2 50	3 00	
Rockmen .....	.....	.....	.....	.....	1 10	1 10	1 10	1 10	.....	.....	.....	.....	.....	1 60	1 90
Blasters .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hand-drillers .....	.....	.....	.....	.....	1 10	1 10	1 10	1 10	.....	.....	.....	.....	.....	.....	.....
Gardeners .....	.....	.....	.....	1 40	1 40	1 00	1 30	1 30	1 15	1 10	1 10	1 30	1 40	1 60	1 90
Masons .....	.....	.....	1 75	2 00	2 00	2 00	2 00	2 00	1 65	.....	1 75	.....	2 20	2 50	3 00
Stone-cutters .....	.....	.....	1 75	2 00	2 00	2 00	2 00	2 00	1 65	.....	1 75	.....	2 25	2 75	3 00
Bricklayers .....	.....	.....	1 75	1 75	2 00	2 00	2 00	.....	1 65	1 70	.....	.....	.....	.....	.....
Pavers .....	.....	.....	.....	.....	1 25	.....	1 10	1 10	1 00	1 00	.....	.....	1 35	1 60	1 90
Tile-layers .....	.....	.....	.....	.....	1 10	1 10	1 10	1 10	1 00	.....	.....	.....	.....	.....	.....

TABLE showing the rate of pay per day from the commencement of the work to November 1st, 1873 (continued).
 (The working day previous to April, 1870, was ten hours; since that date it is computed at eight hours.)

	1865.		1866.		1867.		1868.		1869.		1870.		1871.		1872.		1873.	
	April 1.	November 1.	April 1.	November 1.	April 1.	November 1.	April 1.	November 1.	April 1.	November 1.	April 1.	November 1.	April 1.	November 1.	April 1.	November 1.	April 1.	November 1.
Foremen.....	\$3 00	\$3 00	\$3 00	\$3 00	\$3 50	\$3 50	\$3 50	\$4 00	\$4 00	\$4 00	\$4 00	\$4 00	\$4 50	\$4 50	\$4 50	\$4 50	\$4 50	\$4 50
Assistant foremen.....	2 25	2 25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3 00	3 00	.....	.....	3 00	3 00
Laborers.....	1 90	1 90	1 90	1 90	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00
Double Teams....	4 70	4 70	4 70	5 00	5 50	5 50	5 50	5 50	5 50	5 50	5 44	5 44	5 44	5 44	5 44	5 44	5 44	5 44
Carts.....	3 40	3 40	3 40	3 40	3 50	3 50	3 50	3 50	3 50	3 50	3 60	3 60	3 60	3 60	3 60	3 60	3 60	3 60
Blacksmiths.....	3 25	3 25	3 25	3 50	3 50	3 50	3 50	3 50	3 50	3 50	3 50	3 50	3 50	3 50	3 50	3 50	3 50	3 50
Helpers.....	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00	2 00
Carpenters.....	3 25	3 35	3 25	3 50	3 50	3 50	3 50	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00	4 00
Rockmen.....	2 00	2 00	2 00	.....	.....	.....	.....	2 25	2 25	2 25	2 24	2 24	2 24	2 24	2 24	2 24	2 24	2 24
Blasters.....	.....	.....	.....	.....	.....	.....	.....	2 50	2 50	2 50	2 44	2 44	2 44	2 44	2 44	2 44	2 44	2 44
Hand-drillers.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gardeners.....	2 00	2 00	2 00	2 00	2 10	2 10	2 10	2 35	2 35	2 35	2 40	2 40	2 40	2 40	2 50	2 50	2 50	2 50
Masons.....	3 50	3 50	3 50	3 50	4 00	4 00	4 00	4 50	4 50	4 50	4 24	4 24	4 24	4 24	4 24	4 24	4 24	4 24
Stone-cutters.....	3 50	3 00	3 50	3 50	4 00	4 00	4 00	4 25	4 25	4 50	4 24	4 24	4 24	4 24	4 24	4 24	4 24	4 24
Bricklayers.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pavers.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tile-layers.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

MAP