

# Typification of Zahnian *Hieracium* names in the herbarium of De Wever in the Maastricht Natural History Museum

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## Key words

apomicts  
Compositae  
*Hieracium*  
infraspecific taxa  
lectotypification  
nomenclature

**Abstract** – In this paper, 12 *Hieracium* names, based on the collection of De Wever which is kept in the Maastricht Natural History Museum (MAAS), are lectotypified: *Hieracium murorum* L. subsp. *chloroprasinoides* Zahn var. *dubiosum* Zahn in Soest, *Hieracium laevigatum* Willd. subsp. *hypodasyphyllum* Zahn in Soest, *Hieracium vulgatum* Fr. subsp. *aspernatum* Jord. var. *lycopoliiforme* Soest et Zahn in Soest, *Hieracium praecox* Sch.Bip. subsp. *medium* (Jord.) Zahn var. *fissifolium* (Jord. ex Boreau) Zahn f. *meerssenense* Soest et Zahn in Soest, *Hieracium laevigatum* Willd. subsp. *mixopolium* Dhlt. var. *mixopoliiforme* Zahn in Soest, *Hieracium murorum* L. subsp. *pilosuliforum* Zahn in Soest, *Hieracium maculatum* Sm. subsp. *arrectarium* (Jord.) Zahn var. *pinnatifidoide* Zahn in Soest, *Hieracium murorum* L. subsp. *sericellipes* Zahn var. *subcontractum* Soest et Zahn in Soest, *Hieracium murorum* L. subsp. *exotericum* Jord. ex Boreau var. *pseudosilvularifolium* (Touton) Zahn f. *subhirsutum* Zahn in Soest, *Hieracium vulgatum* Fr. subsp. *fastigiatum* (Fr.) Zahn var. *sublachenalii* Zahn in Soest, *Hieracium laevigatum* Willd. subsp. *brevihirsutum* Zahn var. *terwormense* Zahn in Soest, and *Hieracium laevigatum* Willd. subsp. *weveri* Zahn in Soest.

**Samenvatting** – De taxonomie en nomenclatuur van het genus *Hieracium* s. str. (Havikskruid) is zeer gecompliceerd. Dit heeft niet alleen te maken met de verschillende hieraciologische scholen in Europa en de hieruit volgende wirwar van namen. Door het jammerlijke verlies van het grote herbarium met typecollecties van de hieracioloog Zahn, dat sneuvelde in de grote brand die het herbarium van Berlin-Dahlem teisterde na een bomaanval van de geallieerden in 1943, zal de betekenis van honderden namen die Zahn gaf waarschijnlijk voor altijd onduidelijk blijven. Het Nederlandse materiaal dat Zahn reviseerde en van namen voorzag en dat de basis vormde voor het overzicht dat Van Soest publiceerde in de jaren 1920–1930 is echter bewaard gebleven, doordat het na revisie teruggestuurd werd naar Nederland. Het grootste deel hiervan ligt in het herbarium van Naturalis in Leiden (L), maar de collectie van De Wever is na revisie door Zahn naar de verzamelaar teruggestuurd en het maakt nu onderdeel uit van de collectie van het Natuurhistorisch Museum in Maastricht (MAAS).

Een eerste stap uit de chaotische nomenclatorische situatie in *Hieracium* is de typificering van de namen. In dit artikel maken we hiermee een begin door de lectotypes aan te wijzen voor de 12 namen die gebaseerd zijn op materiaal in het herbarium van De Wever (MAAS): *Hieracium murorum* L. ssp. *chloroprasinoides* Zahn var. *dubiosum* Zahn in Soest, *Hieracium laevigatum* Willd. subsp. *hypodasyphyllum* Zahn in Soest, *Hieracium vulgatum* Fr. subsp. *aspernatum* Jord. var. *lycopoliiforme* Soest et Zahn in Soest, *Hieracium praecox* Sch.Bip. subsp. *medium* (Jord.) Zahn var. *fissifolium* (Jord. ex Boreau) Zahn f. *meerssenense* Soest et Zahn in Soest, *Hieracium laevigatum* Willd. subsp. *mixopolium* Dhlt. var. *mixopoliiforme* Zahn in Soest, *Hieracium murorum* L. subsp. *pilosuliforum* Zahn in Soest, *Hieracium maculatum* Sm. subsp. *arrectarium* (Jord.) Zahn var. *pinnatifidoide* Zahn in Soest, *Hieracium murorum* L. subsp. *sericellipes* Zahn var. *subcontractum* Soest et Zahn in Soest, *Hieracium murorum* L. subsp. *exotericum* Jord. ex Boreau var. *pseudosilvularifolium* (Touton) Zahn f. *subhirsutum* Zahn in Soest, *Hieracium vulgatum* Fr. subsp. *fastigiatum* (Fr.) Zahn var. *sublachenalii* Zahn in Soest, *Hieracium laevigatum* Willd. subsp. *brevihirsutum* Zahn var. *terwormense* Zahn in Soest en *Hieracium laevigatum* Willd. subsp. *weveri* Zahn in Soest. Alle lectotypes worden afgebeeld met een foto.

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## INTRODUCTION

Widely varying taxonomic treatment had made the nomenclature of largely apomictic European *Hieracium* L. subgenus *Hieracium* (Asteraceae) extremely complicated (Gottschlich & Raabe 1991; Gottschlich et al. 1998; Schuhwerk 2002; Tyler 1999). By far the most influential and productive Central European taxonomist to have worked on this genus over the past century was K.H. Zahn (December 3, 1865 – February 8, 1940), who published hundreds of names (Zahn 1921–1923; 1930–1935; 1936–1938). He described *Hieracium* apomict lineages at the level of subspecies, grouped under taxonomically equal-levelled principal species ("Hauptarten") and intermediate species ("Zwischenarten"). Further north and west in Europe, in contrast, notably in Scandinavia and the UK, apomict lineages were generally described at species level, usually without any reference to Central European taxonomy or nomenclature (and vice versa). Early investigators of the genus were inclined to formally describe every morphologically distinct form, furthermore, thus creating a tangle of synonyms and taxa of uncertain status. According to Beaman (1990), over 10,000 taxon names have been published for *Hieracium* (incl. *Pilosella*). Even with the understanding that *Hieracium* is a largely apomict genus with hundreds and perhaps thousands of apomict lineages, this is a mind-boggling number and the resulting Gordian knot needs to be untangled if *Hieracium* taxonomy is to make any sense.

The first, essential step out of this quagmire is to verify the published names on the basis of type material. Unfortunately, a disastrous fire in the Berlin-Dahlem Museum following a bombing raid by allied forces in March 1943 (Hiepko 1987) destroyed most of the *Hieracium* collection conserved there, including the large herbarium of Zahn with innumerable original collections and types (Bräutigam 1973; Vogt & Schuhwerk 2000). As a result, the exact meaning of many of the Zahnian *Hieracium* names will most likely remain forever uncertain. However,

Zahn published several dozen new *Hieracium* names based on material sent to him from the Netherlands by the Dutch botanist Van Soest and after his revisional work the material was returned to Van Soest, thus surviving the animosities and destruction of the war. Most of these names were published in Van Soest's landmark papers on the *Hieracium* flora of the Netherlands (van Soest 1926; 1927; 1928; 1929). Most of the revised material seen by Zahn is kept in the herbarium of Naturalis in Leiden (L), but the majority of the material collected by De Wever is kept in the herbarium of the Natural History Museum of Maastricht (MAAS).

August (F.C.A.) de Wever (March 14, 1874 – March 21, 1947), who worked as a general practitioner in Nuth, South Limburg, was an extremely proficient amateur botanist and an active *Hieracium* collector. His herbarium consists of some 19,000 collections, of which 396 belong to the genera *Hieracium* and *Pilosella*, mostly collected in South Limburg. De Wever was already in contact with Zahn before Van Soest started his work on *Hieracium* and on the basis of the herbarium material revised by Zahn in this early period *H. vulgatum* Fr. subsp. *argillaceum* (Jord.) Zahn var. *limburgense* Zahn (1921; = *H. limburgense* (Zahn) Haveman (2013)) was described. Most of the material collected by De Wever prior to 1930 was probably sent to Zahn by Van Soest in the framework of his revisional work and among the new names in the Van Soest papers several are based on this material. On most of the sheets with original collections, the handwritten diagnosis by Zahn is mounted (Fig. 1), as well as a determination label by Zahn.

In this paper we typify a series of names based on material in the herbarium of De Wever stored in MAAS. Part of De Wever's *Hieracium* herbarium is kept in the collection of Naturalis (L), from which *Hieracium limburgense* and *H. weverianum* (Zahn) Haveman have already been typified in earlier publications (Haveman 2006; 2013).

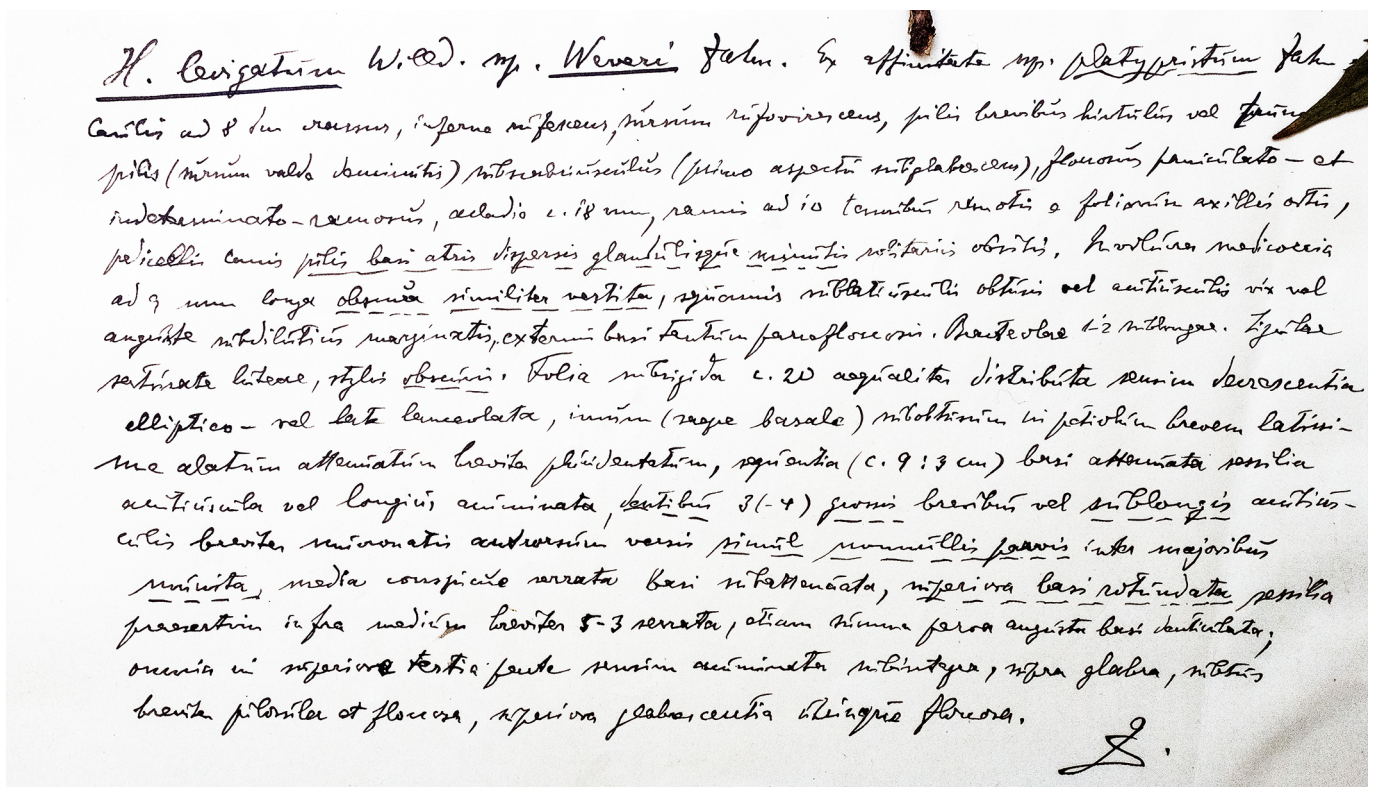


Fig. 1. Zahn's original handwritten diagnosis of *Hieracium laevigatum* Wild. subsp. *weveri* Zahn. Photo: Rense Haveman.



## MATERIALS AND METHODS

The *Hieracium* collection in the De Wever herbarium in MAAS was searched for 'original material': specimens mentioned by Van Soest in his revision of the genus (van Soest 1926; 1927; 1928; 1929) and described by Zahn as a new taxon. From this original material, an appropriate (*viz.* in accordance with the protolog) type was chosen. In some cases only one collection is mentioned by Van Soest, making typification straightforward. When more than one collection was available that was seen by Zahn prior to the publication of the name, the collection with the handwritten description of the species was designated as the type, unless the material was severely damaged. Until 1977, the herbarium of De Wever in MAAS was kept partly unmounted, between newspapers, either with accompanying herbarium labels reading "HERBARIUM VAN A. DE WEVER TE NUTH" or with relevant data recorded by De Wever on slips of paper or on the newspaper. It was not until 1977 that a major project was started to integrally mount or remount the entire herbarium in a consistent fashion, preserving all the original labels and other handwritten data and notes and introducing structured collection numbers. This project was undertaken by A.A. van Heurn, who completed this work during the 1990s, going on to digitalize the entire herbarium until his passing away in 2006 (this work being completed by the third author). Separate sheets were kept and numbered together by Van Heurn, but not all sheets were provided with labels, merely with the relevant reference numbers, as De Wever often provided only one label. In accordance with Art. 8.3 of the ICN (Turland et al. 2018),

we consider the sheets to represent a single collection when bearing the same "codenr." [code no.] and "volgnr." [serial no.].

The symbol  $\Xi$ , preceding specific and infraspecific names, is used to represent homotypic or nomenclatural synonyms, as used in the ICN (Turland et al. 2018).

## LIST OF TYPIFIED NAMES

In the following, all typified names are listed in alphabetical order, with the typified epithet printed in bold.

*Hieracium murorum* L. subsp. *chloroprasinoides* Zahn var. ***dubiosum*** Zahn in Soest (1929: 114).

Lectotypus (hoc loco designatus): "Herbarium van A. de Wever te Nuth, *Hierac.* *murorum* ssp. *euchloroprasinoides*, Geulhem, boschhell. tegenover "t Paradijs" AdeW, 10 VIII 27", codenr. 137.85B.03, volgnr. 12, vel-nr. 02 (MAAS).

The labels belonging to this type collection are mounted on sheet nr. ("vel-nr.") 01, on which a typical *chloroprasinoides* with spotted leaves is also mounted (Fig. 2). The annotation consists of the original herbarium label, and two annotation labels by Zahn. On the lower label the name and a short diagnosis are written. Underneath this diagnosis, Van Soest has written "(ad vel 2)" in pencil.



Fig. 2. Lectotype of *Hieracium murorum* L. subsp. *chloroprasinoides* Zahn var. ***dubiosum*** Zahn (right), with the label on the left sheet. Photos: Rense Haveman.





Fig. 3. Lectotype of *Hieracium laevigatum* Willd. subsp. *hypodasyphyllum* Zahn. Photo: Rense Haveman.

*Hieracium laevigatum* Willd. subsp. *hypodasyphyllum* Zahn in Soest (1929: 124).

Lectotypus (hoc loco designatus): "Herbarium A. de Wever te Nuth, *Hieracium laevigatum* W., Moorhei, 1920"; codenr. 137-85B-12, volgnr. 02, vel-nr. 01 (MAAS).

The sheet with the lectotype (Fig. 3) bears a label of the Herbarium of De Wever, the original handwritten diagnosis as well as an annotation label by Zahn, notes on a newspaper margin by De Wever and an annotation label by P. Heukels.

*Hieracium vulgatum* Fr. subsp. *aspernatum* Jord. var. *lycopifoliiforme* Soest & Zahn in Soest (1929: 121–122).

Lectotypus (hoc loco designatus): "Herbarium van De Wever te Nuth", codenr. 137.85B.07, volgnr. 11, vel-nr. 01 and 02 (MAAS), without original label, but a location and date "Vaesraderbosch, 18 VII" on a mounted margin of a journal.

≡ *Hieracium lachenalii* Suter subsp. *aspernatum* (Jord. ex Boreau) Zahn var. *lycopifoliiforme* (Soest & Zahn) Zahn 1934: 594

The sheets with the lectotype bear no label of Herbarium De Wever (Fig. 4). However, it contains the original hand-written Latin diagnosis by Zahn, as well as a note by Van Soest, written in German, as well as an annotation label by P. Heukels. The material is in poor condition, but the unusual shape of the leaves and the semi-amplexicaule petioles of this taxon are very characteristic, making it easy to recognise. It was described on the basis of this one collection only. Perhaps it still grows in the classical region: a collection from 1993 by the first author probably belongs to this taxon, and the *locus classicus* has not yet been extensively searched for *Hieracium* species.

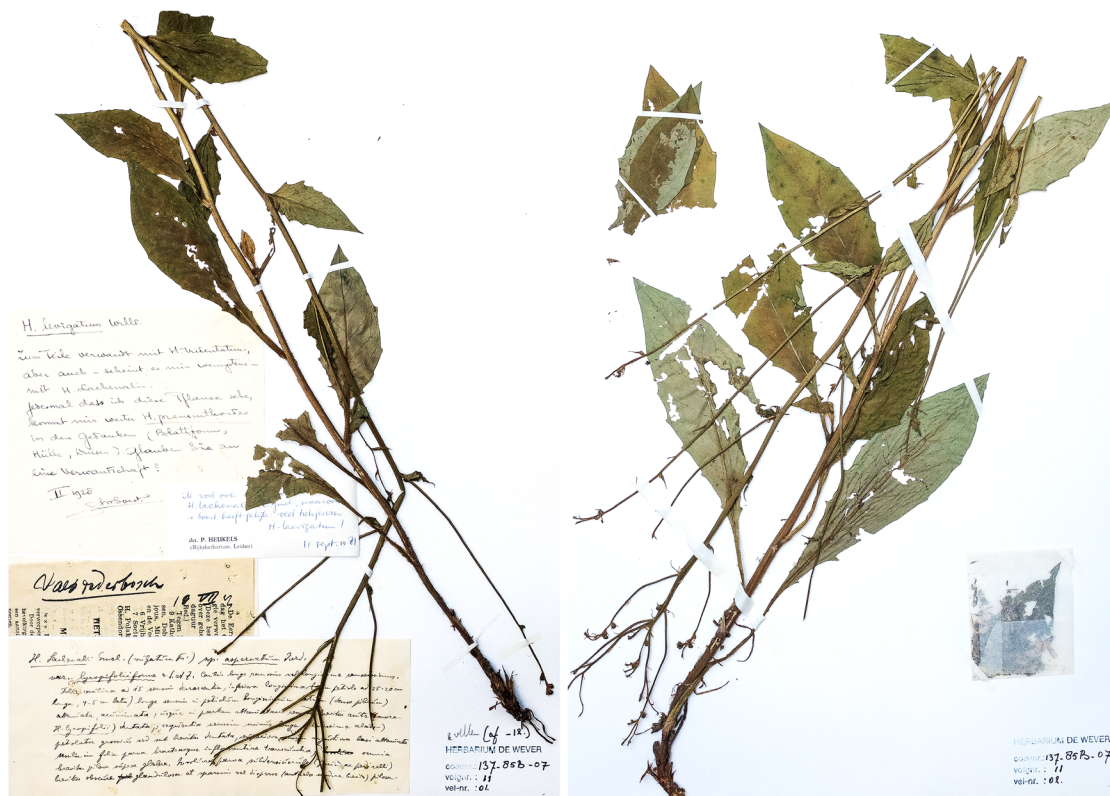


Fig. 4. Lectotype of *Hieracium vulgatum* Fr. subsp. *aspernatum* Jord. var. *lycopifoliiforme* Soest & Zahn. Photos: Rense Haveman.



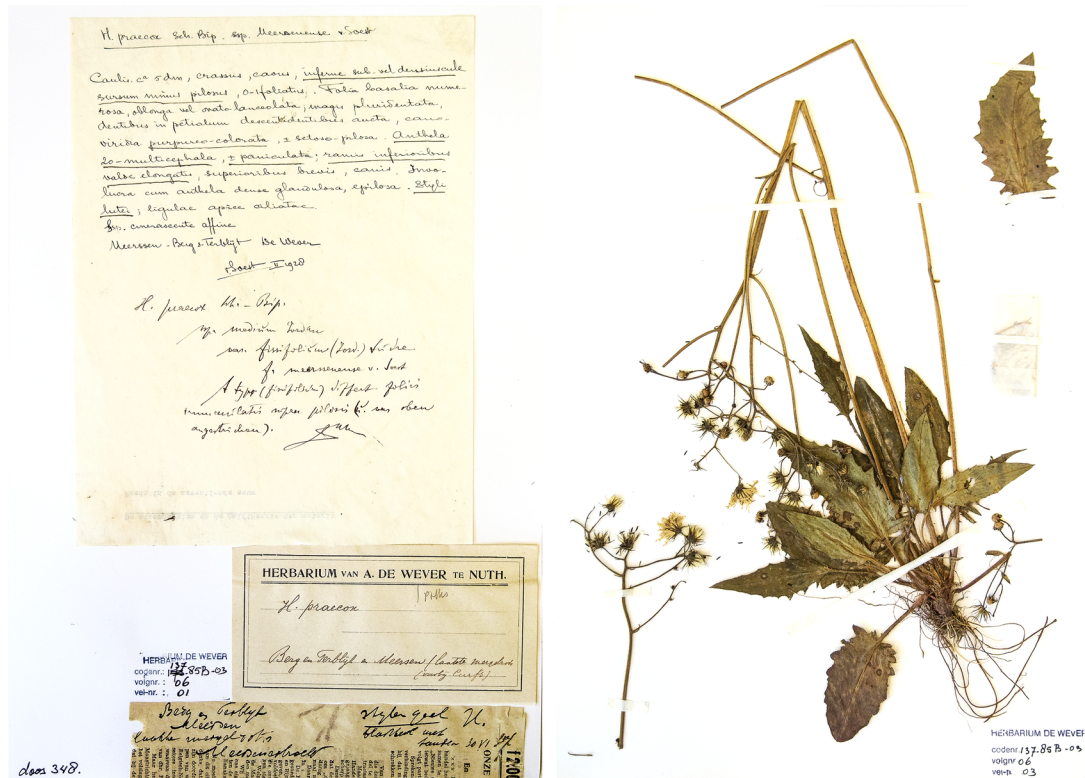


Fig. 5. Lectotype of *Hieracium praecox* Sch. Bip. subsp. *medium* (Jord.) Zahn var. *fissifolium* (Jord. ex Boreau) Zahn f. *meerssenense* Soest & Zahn. Photos: Rense Haveman.



Fig. 6. Lectotype of *Hieracium laevigatum* Willd. subsp. *mixopolium* Dhlst. var. *mixopoliiforme* Zahn. Photo: Rense Haveman.

*Hieracium praecox* Sch. Bip. subsp. *medium* (Jord.) Zahn var. *fissifolium* (Jord. ex Boreau) Zahn f. *meerssenense* Soest & Zahn in Soest (1929: 106–107).

Lectotypus (hoc loco designatus): "Herbarium van A. de Wever te Nuth, *H. praecox*, Berg en Terblijt en Meerssen (laatste mergelrots (voorbij Curfs)", codenr. 137.85B.03, volgrn. 6, vel-nr. 01 to 03 (MAAS).

The description of *Hieracium praecox* subsp. *medium* var. *fissifolium* f. *meerssenense* is based on two plants, which are mounted on separate sheets, separately from the corresponding labels (Fig. 5). The original herbarium label of De Wever, the field notes by De Wever (on a journal margin), a Latin diagnosis by Van Soest and the Latin diagnosis by Zahn are mounted on a separate sheet, numbered 137.85B.03, volgrn. 6, vel-nr. 01. The other two sheets have the same initial codes, but numbered 'vel-nr. 02' and 'vel-nr. 03', with 'vel-nr.' translating to 'sheet number'.

From the annotation label by Van Soest, it is clear he wished to describe this plant as a new subspecies of *Hieracium praecox*. Subsequently, Zahn wrote his comments on the same label, deciding it was better to name it as a forma under var. *fissifolium* of subsp. *medium*.

*Hieracium laevigatum* Willd. subsp. *mixopolium* Dhlst. var. *mixopoliiforme* Zahn in Soest (1929: 125).

Lectotypus (hoc loco designatus): "Herbarium A. de Wever te Nuth, *Hieracium laevigatum* W. subsp. *gracilipes* (Jord.) var. *Stenocladum* (Jord.) (met smal blad), Muschemig (bij Heerlen)"; codenr. 137-85B-12, volgrn. 13, vel-nr. 01 (MAAS).

Along with the label of Herbarium A. de Wever, the original diagnosis, a determination label by Zahn, a newspaper fragment with notes by De Wever are also mounted on the sheet with the





Fig. 7. Lectotype of *Hieracium murorum* L. subsp. *pilosuliforme* Zahn. Photo: Rense Haveman.

lectotype (Fig. 6). For comments on the collection number, see below, under *Hieracium laevigatum*. subsp. *brevihirsutum* var. *terwormense*.

*Hieracium murorum* L. subsp. *pilosuliforme* Zahn in Soest (1929: 113).

Lectotypus (hoc loco designatus): "Herbarium van A. de Wever te Nuth, *Hieracium murorum* L., (smallbladig), Stoepertweg", codenr. 137.85B.02, volgnr. 06, vel-nr. 01 (MAAS).

Besides the original herbarium label and a strip of paper from a journal on which De Wever made his field notes, the sheet with the lectotype bears a determination label by Van Soest, dated "V 1927" on which the name "*H. murorum* subsp. *exotericum* J." and "vel *cardiophyllum*" are written (Fig. 7). On another label Van Soest asks De Wever "geeft u mij s.v.p. op waar deze gevonden is" [please tell me where this was found]. Zahn added a determination label with the name "*Hieracium murorum* subsp. *pilosuliforme* Z.", dated 1927.

*Hieracium maculatum* Sm. subsp. *arrectarium* (Jord.) Zahn var. *pinnatifidoides* Zahn in Soest (1929: 108–109).

Lectotypus (hoc loco designatus): "Herbarium van A. de Wever te Nuth, *Hieracium*, boschhelling tussen Gronsveld en Eckelrade, 15 VII 1927 AdeW", codenr. 137.85B.07, volgnr. 05, vel-nr. 02 (MAAS).

Besides one rather severely damaged plant without flowering heads, the sheet bears the original label, a note by Van Soest

suggesting a hybrid between *pinnatifidum* (= *H. neopinnatifidum* Pugsley) and *maculatum*, the hand-written Latin diagnosis by Zahn and an annotation label by P. Heukels (Fig. 8). This taxon is known only from the type collection.

*Hieracium murorum* L. subsp. *sericellipes* Zahn var. *subcontractum* Soest & Zahn in Soest (1929: 110–111).

Lectotypus (hoc loco designatus): "Herbarium van A. de Wever te Nuth, *H. murorum* L., Epen, helling bij Terziet, 13.VI. '27", codenr. 137.85B.02, volgnr. 15, vel-nr. 03 (MAAS).

Apart from the original herbarium label and a journal margin with field notes by De Wever, "vel-nr. 3" [sheet 3] bears an annotation label by Zahn, dated 1927 (Fig. 9). Collection 137.85B.02/15 consists of several more sheets, which are identified as subsp. *cardiophyllum* ("vel-nr. 2", det. De Wever, and "vel-nr. 1", det. Van Soest), and var. *subcontractum* ("vel-nr. 5", det. Van Soest). A fifth sheet, numbered "vel-nr. 4" has no label, apart from a note by Van Soest, reading "Ik behoud 1 ex! v.S." [I'm keeping one specimen! v.S.]. This specimen is most probably the one in Leiden in Herbarium Van Soest number 1129 [L.3450859]. Van Soest attached a label to this plant, reading "Door Zahn gezien in 1928" [Seen by Zahn in 1928]. From the labels it is unclear whether Zahn had seen sheets 4 and 5, but from the label of the collection in Leiden it could be argued that sheet 4 comes from the same collection as the other one there, with the plants on both these sheets part of the type collection. However, since there is no direct evidence that Zahn actually saw these plants prior to the description, we reserve our judgement and consider only sheet 3 as lectotype.



Fig. 8. Lectotype of *Hieracium maculatum* Sm. subsp. *arrectarium* (Jord.) Zahn var. *pinnatifidoides* Zahn. Photo: Rense Haveman.





Fig. 9. Lectotype of *Hieracium murorum* L. subsp. *sericellipes* Zahn var. *subcontractum* Soest et Zahn (left). The right sheet probably belongs to the same collection. Photos: Rense Haveman.



Fig. 10. Lectotype of *Hieracium murorum* L. subsp. *exotericum* Jord. ex Boreau var. *pseudosilvularifolium* (Touton) Zahn f. *subhirsutum* Zahn. Photo: Rense Haveman.

*Hieracium murorum* L. subsp. *exotericum* Jord. ex Boreau var. *pseudosilvularifolium* (Touton) Zahn f. *subhirsutum* Zahn in Soest (1929: 112–113).

Lectotypus (hoc loco designatus): "Herbarium van A. De Wever te Nuth, *H. murorum* subsp. *exotericum*, Houthem, Rondebosch, 15VIII '27" codenr. 137.85B.02, volgnr 11, vel-nr. 03 (MAAS).

According to the original label the sheet with the type collection was identified as subsp. *exotericum* by De Wever (Fig. 10). Zahn added an annotation label dated 1927. The other two sheets of volgnr. 11 are identified as subsp. *exotericum* by Zahn ("vel-nr. 01") and subsp. *gentile* by De Wever ("vel-nr. 2"). Additionally, they were collected in the Savelsbosch near Gronsveld, not in the Ronde Bosch near Houthem.

*Hieracium vulgatum* Fr. subsp. *fastigiatum* (Fr.) Zahn var. *sublachenalii* Zahn in Soest (1929: 119 [*sub-Lachenalii*]).

Lectotypus (hoc loco designatus): "Herbarium van De Wever te Nuth, *Hieracium praecox*, Simpelveld, spoorhelling van de kolenspoorweg naar Kerkrade, tunnel tegenover 't Paterklooster"; codenr. 137.85B.07, volgnr. 07, both vel-nr. 01 and vel-nr. 02 (MAAS).

≡ *Hieracium lachenalii* Suter subsp. *fastigiatum* (Fr.) Zahn var. *sublachenalii* (Zahn) Zahn (1934: 525).

The type collection consists of two sheets (Fig. 11), the first of which bears the upper part of two plants, one of which now lacking flower heads, as well as a single (rosette?) leaf. The second sheet (numbered 137.85B.07, volgnr. 07, vel-nr. 02) is in better shape and consists of a complete plant. An annotation label in Zahn's characteristic handwriting as well as the original handwritten diagnosis are mounted on sheet 01.



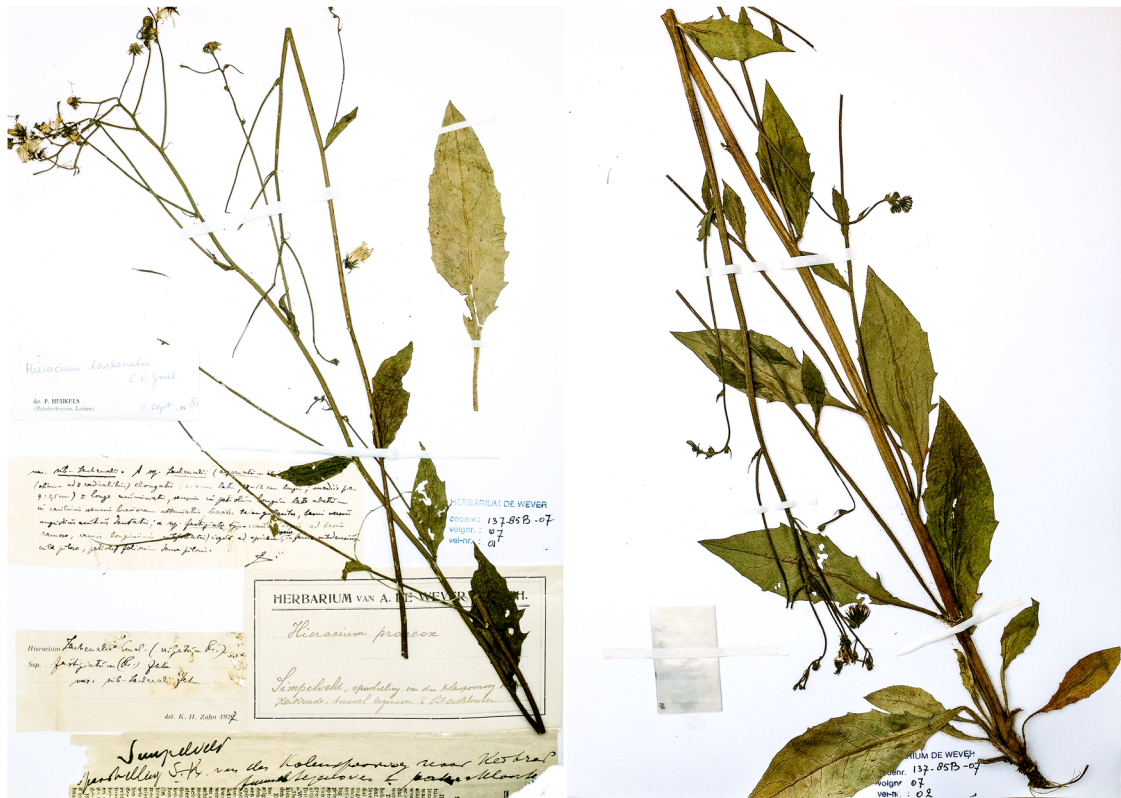


Fig. 11. Lectotype of *Hieracium vulgatum* Fr. subsp. *fastigiatum* (Fr.) Zahn var. *sublachenalii* Zahn. Photos: Rense Haveman.

This sheet also bears a margin of a journal with De Wever's field notes as well as an annotation label ("*Hieracium lachenalii* C.C. Gmel. 11 sept. 1981") by P. Heukels.

Van Soest also mentioned a f. *maculatum* Soest from the same location, but as yet we have been unable to retrieve any material under this name.

*Hieracium laevigatum* Willd. subsp. *brevihirsutum* Zahn var. **terwormense** Zahn in Soest (1929: 123).

Lectotypus (hoc loco designatus): "Herbarium A. de Wever te Nuth, *Hieracium laevigatum*, Terworm / Schinnen / Heerlen"; codenr. 137-85B-12, volgnr. 13, vel-nr. 02 (MAAS).

Apart from the herbarium label and the collection code, the sheet with the type material (Fig. 12) bears the handwritten diagnosis as well as a determination label by Zahn dated 1927. Curiously enough, the sheet has the same collection number [codenr. + volgnr.] as the type of *Hieracium laevigatum* subsp. *mixopolium* var. *mixopoliiforme* Zahn, which was collected at Musscheming north of Heerlen and about 1 km from Terworm. It seems probable that the two collections were confused during mounting.

*Hieracium laevigatum* Willd. subsp. **weveri** Zahn in Soest (1929: 126).

Lectotypus (hoc loco designatus): "Herbarium van A. de Wever te Nuth, *Hieracium laevigatum* W., Klimmen / holle weg langs Starmanshoeve, Heek-Hulsberg"; codenr. 137-85B-12, volgnr. 24, vel-nr. 01-03 (MAAS). Attached is also an annotation label by Zahn dated 1927 reading "*Hieracium laevigatum* Willd. subsp. *Weveri* Zahn".



Fig. 12. Lectotype of *Hieracium laevigatum* Willd. subsp. *brevihirsutum* Zahn var. *terwormense* Zahn. Photo: Rense Haveman.





Fig. 13. Lectotype of *Hieracium laevigatum* Willd. subsp. **weveri** Zahn; shown are two of the three sheets retrieved from MAAS. Photos: Rense Haveman.

In MAAS, two of the three original collections mentioned by [Van Soest \(1929\)](#) could be retrieved, viz. the above-mentioned material from Klimmen and the collection from the fort on Sint Pietersberg (codenr. 137-85B-12, volgrn. 19, vel-nr. 1 and 2). Although Zahn's hand-written description ([Fig. 1](#)) is attached to one of the two sheets from the latter location, this collection is not unambiguous. The collection consists of two plants, mounted on two sheets. Vel-nr. 1 bears several labels: the cited description by Zahn, a determination label by Zahn, reading "*Hieracium laevigatum* Willd. subsp. *Weveri* Zahn", a second determination label by Zahn, reading "*Hieracium lachenalii* Gmel. (*vulgatum* Fr.) subsp. *acuminatum* (Jord.) Sudre  $\alpha$  *genuinum* Zahn 1. *microtrichum* Zahn b. *tridentatiforme* Zahn", a label with several notes by De Wever in pencil, and a determination label by P. Heukels, reading "Zahn's beschrijving hoort wel bij vel 2. (*H. laevigatum* Willd. subsp. *Weveri* Zahn). Het materiaal op vel 1 neigt tot *H. lachenalii* C.C. Gmel." [Zahn's description probably belongs to sheet 2. (*H. laevigatum* Willd. subsp. *Weveri* Zahn). The material on sheet 1 tends towards *H. lachenalii* C.C. Gmel.]. We agree with Heukels and Zahn most probably made a correct determination right from the start, with the plants and their labels becoming mixed up during mounting by Van Heurn. Although the sheet with the description of the taxon could be designated as the type, we have chosen to designate a less ambiguous collection as such ([Fig. 13](#)). This collection from near the farmstead Starmanshoeve at Klimmen was seen by Zahn and determined as subsp. *weveri* prior to the description of the taxon, as evidenced by the annotation label. It consists of 3 sheets. In Leiden there is a fourth sheet originating from the same collection; we consider this sheet as syntype. Although it bears a type label, as far as we are aware it was never officially designated as such. In terms of habitus, it is very similar to vel-nr. 03 in MAAS.

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