

To Professor Lindley
from the Lib.

NARCISSINEARUM

MONOGRAPHIA.

AUTORE

A. H. HAWORTH,

Soc. Linn. Lond.—Soc. Horticult. Lond.—Soc. Cæsar. Nat. Curios. Mosc.—necnon
Soc. Reg. Horticult. Belgic. Socius. &c. &c.

AUTHOR OF LEPIDOPTERA BRITANNICA; SYNOPSIS PLANTARUM SUCCULENTA-
RUM; AND MANY OTHER WORKS.

Multum adhuc restat, multumque restabit.

THE SECOND EDITION,
WITH ADDITIONS AND IMPROVEMENTS.

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M.DCCC.XXXI.

" ... Sulphur Phoenix (or Crown) was omitted casually. I was not aware of it.

The paper was printed in a periodical in a great hurry and with many typographic errors. I had 25 copies for the manuscript (now all given to British and foreign Authors) save one for myself (and 2 proofs full of corrections). Before these said 25 were worked, I revised the press and advised Ridgway to cancel the others and strike off new from the revised types. But I know not whether he did so.

- From a letter by Haworth to the Rev. H.T. Ellacombe, now in the Rowley Library.

P R E F A C E.

THE present MONOGRAPH on the beautiful family of NARCISSINEAN Plants, the finest early group in our Gardens, was compiled from the author's manuscripts, at a very short notice, to be ready for publication at the end of the last volume of his friend Sweet's *British Flower Garden*; and the consequence of this haste was, typographical errors, a few other inaccuracies, and insufficient descriptions; which have been corrected in the present edition.

Notwithstanding the short time which has elapsed since the first publication of the MONOGRAPH, many material new varieties (four of which may prove to be species) of these charming plants, have been added to their showy and fragrant affinities; each hereunder inserted in its most appropriate place.

An idea may, perhaps, be entertained by some, who are insufficiently acquainted with AMARILLIDEOUS plants, of which NARCISSINEÆ form the fifth *sub-orde*, that many of the articles hereunder enumerated as *species*, by the author, are not primitive and originally distinct species, but seminal variations only, originating in the Flowery Gardens of the Dutch. But, both the author, and his acute friend, Mr. Sweet, (whose knowledge of living plants is, perhaps, unrivalled,) have found good reason to determine otherwise; not only on account of the characteristics given, but because the *species* themselves were actually fostered in the gardens of our forefathers, one or two hundred years ago; and they were managed too, with a degree of skill and success that has never since been equalled, particularly in Britain.

And this very early period was, before the Gardens of Holland had either raised, or acquired from other countries, many seedling varieties of NARCISSINEAN plants; as we satisfactorily learn from Miller, who says, in the last edition of the Gardeners Dictionary, printed in his time, in the year 1768, under the article *Narcissus Tazetta*:—"The printed catalogues, by Dutch Florists, contain more than *thirty varieties*;" and he enumerates a great many of them. But of Miller more hereunder.

Moreover, the various countries from whence the plants were brought from their native wilds, are likewise carefully stated by some or other of the elder Botanists, (however, since neglected,) as Clusius, Tournefort, and Barrellier; Rudbeck, Besler, and Swertius; by Lobel, Chabræus, Dodoneus, and Garidel; and others among foreigners: and in our own country, by Gerrard, Johnson, and the faithful Parkinson; by the great Ray; and Morison; and by Trew, in his fine and beautiful works. By the celebrated Madam Merian, whose journey to, and long sojourn at Surinam, in quest of natural knowledge, cannot be forgotten; and by the ingenious author of *Theatrum Floræ*, abounding in *Narcissinean* Plants: and last, but not least, by a name nearer to our

own days, and which the Botanists of Chelsea rejoice in repeating that of *Phillip Miller*, whom foreigners have emphatically styled "the Prince of Gardeners;"

"Hortulanorum Princeps;"

and of whose Dictionary the great Linnæus said,

"Non erit Lexicon Hortulanorum, sed Botanicorum."

For the culture and management of these plants, I refer the reader to that famous Dictionary; but, as the book is both high priced and not in every one's possession, it may likewise be desirable to detail a few particulars on this head, in the present place.

NARCISSINÆ have all annually quiescent, perennial, bulbous roots, of the tunicated kind, of an ovato-pyramidal form, covered externally with brownish thin membranous scariose coats, and are from the size of a large Spanish nut or filbert, in the Genera *Corbularia* and *Ganymedes*, to that of the clenched fist of a man, in *Hermis cupularis*. A few new inner tunics are annually formed in the centre of the bulb, one by the base of every leaf of the year, which is completed on the annual quiescence of the bulb, when the leaf decays down to its base; and a few of the extreme and living tunics are annually absorbed and exsiccated by the regular growth of the plant, into exterior membranous ones. These last, though dead, endure about the bulb for a long time, and help to protect it from frosts; therefore I never willfully destroy those coats, but re-plant and close them round it.

The roots require transplantation once in three or four years, to take off their offsets, and to encrease them; but if they are transplanted annually, as in Holland, they form the largest, roundest, and finest roots. This may be done as soon as their leaves decay in summer, and not long after, lest they should form new fibres; after which, transplanting would be very injurious; and if they are moved in winter or spring, they are rarely able to flower for two or more years afterwards. After taking them up, the flowering sized roots may be kept out of the ground dry, like Tulips, a few weeks, or more, if desirable; but they are best planted late in September, except the very early species, which should be planted late in October, as by so retarding them, they more easily escape from frost, pushing later out of the ground. All offsets, and weak bulbs, ought never be kept out at all, because, drying shrivels and greatly weakens them.

The soil these plants thrive best in, is a rich or loamy one, a foot and a half beneath their bulbs, which should be six inches apart, filling up with the same, or any soil that is light, three or four inches over the tops of the larger roots, and two or three over small ones; but there should be no stones or gravel, which would cut the swelling bulbs, and prevent their due and equal enlargement. All barren sandy soils

are to be avoided; the flowers in such, especially double white ones, are never fine, and rarely perfect. The Genera *Ganymedes*, and its nearest allies, and *Corbularia*, should be planted in pure loam, and covered over their tips three inches, to protect them from cold.

All NARCISSINEÆ, (except those from cold native situations,) require to be planted in beds, raised two or three inches above the walks, in an unshaded situation, or near a South or West aspected wall, and to be covered, in frosty weather, with a single mat, or a light protection of dry straw or litter of any kind, but not near so thick as is used for early radishes; for that would blanch their early leaves; and it should be removed occasionally, in open weather, for the same reason. Common empty garden pots placed over single plants, or patches of plants, equally answer the purposes against frost, and should be removed in the same manner, and for the same reasons, stopping up the holes at the bottom of the pots; or single large roots, covered with earth over their tips, four or five inches, often escape very well in dry situations, without any other protection.

These plants are nearly all natives of Europe, or Asia Minor, a few excepted, as stated by authors, under the account of the species respectively, which are found near Gibraltar, Algiers, Morocco, and the most northern coast of Africa; and one solitary specimen is extant in the Herbarium of the late Sir J. E. Smith, brought from Nipaul by the late Dr. Hamilton: but my excellent friend Dr. Wallich, (the best of all judges of Indian plants,) joins with me in supposing it not to be an Indian plant, but to have been sent there as a lovely fragrant flower, through the way of Persia. This plant is very closely allied to, if not the same as *Hermione tazetta*, of Linn.

All the NARCISSINEÆ hereunder enumerated, are at this present time actually growing in the noble Gardens of the Horticultural Society at Chiswick; or those of Mr. Sweet, and his friends; except such only as are marked with an * in the following pages; and any so marked, the writer of this *Monograph* would be glad to receive bulbs of, from any one, addressed to him at the Publisher's, Mr. RIDGWAY, Bookseller, Piccadilly, London: and for such communications the author would cheerfully and thankfully return any of the species or varieties he has described, which are duplicate with him, and which may be requested.

Before closing this Preface, it may not be useless to observe that vast numbers of chiefly Dutch, imported bulbs, of the Genera *Hermione* and *Jonquilla*, with a few of *Philogyne*, *Corbularia*, and *Ajax*, are annually and easily forced into early and beautiful bloom, from the end of January, to the end of April, by Nurserymen, Gardeners, and others, for the purpose of sale, both at home, and in the vegetable Markets of London, and elsewhere; where they are in great demand, and sell readily, and very profitably, before their periods of flowering in the open ground.

The process of forcing these plants, is effected in the following manner :—

The largest and roundest, and, consequently, the heaviest and hardest bulbs, of their respective sorts, are carefully selected for this purpose ; and one, two, or three of them are planted in rich loamy earth, in rather large pots, from the size of that called 32 by the Gardeners, to any size you please ; but the larger the pot, the stronger the plant. The bulbs should be only just covered over with earth, that their fibres may have more room. They are planted at various times, or at short intervals, to secure a regular succession ; and those which are planted the earliest, of course, bloom the first, if of the same sort.

As soon as planted, they should be plunged in the earth, or old tan of some pit, at the front of a hot or greenhouse, or in garden frames ; or may be placed on shelves in such houses themselves ; but they should always be near the glass. They also succeed pretty well in the sunny windows of a dwelling house ; and may be even flowered, but not vigorously, in common bulb-glasses, filled with water, occasionally changed in the usual way ; the darker the glass the better ; as all exposure to light is injurious and unnatural to the white fibres of the roots, and prevents their flowering again for at least two seasons of the best subsequent care.

After plunging and covering the pots as abovementioned, the plants will particularly require to have air and water duly and regularly given to them, at all proper and favourable opportunities ; and the more close they are kept, the weaker will be their beautiful blooming, which will occur from the end of January, in the early kinds, to the middle or end of April, in the late ones ; and there is one fine white-flowered species of *Hermione*, which blooms, in its wild state, near Naples, in November and December, which is figured by Tenore, in his *Flora Neapolitana*, and named *Narcissus unicolor*. But this plant, although it has been, is not, at present, in the British gardens ; or, at least, the writer has never seen it.

In March or April, in the neighbourhood of London, roots that have been forced, and whose flowers have faded, are usually turned carefully out of their pots, into some cool border of rich soil, near a wall or fence, and covered with earth 3 or 4 inches over their bulbs, and duly watered until they recover ; which (unless forced in water) they will sometimes do, so as to flower again the following season.

It must not be forgotten, that it is as necessary to defend these forced plants from weeds, and from worms—from slugs, and from snails ; as it is requisite to protect them from cold, by straw, or mats, &c. during every frost, or loss and disappointment will ensue ; for blighted will be the precocious beauties, and in vain the gardener's every care :

“ And DAFFODILLIES fill their cups with tears.”

Chelsea, November, 1831.

NARCISSINEÆ.

Nat. Ordo. AMARYLLIDEÆ. *Brown prodr.* 1. 296. *Subordo* 5. Hexandria Monogynæ *Linn. Spatha* monophylla 1, usque ad 20 flora. *Corolla* tubulosa limbo sexpartito hexapetaloidæ coronata. *Ovarium* subturbinateum seu oblongum vel cylindricum triloculare, trivalve; *valvis* biseptiferis. *Semina* numerosa, in 2-4-ordinibus inserta.

* Genitalia adscendentia.

I. CORBULARIA. *Narc. Revis.* 111. *Corollæ laciniis* exiguis coronâ truncatâ sæpissimè brevioribus. *Ovarium* subturbinateum cylindricum, semina triangularia numerosa bitariam inserta. *Folia* filiformia canaliculata viridia.

† Albifloræ.

- 1 *cantabrica*. C. (the lesser white) candida: corona crenata, stylo inclusio. *Clus. Hist.* 166. f. 2.
- 2 *albicans*. C. (the larger white) corona sulphureo-albicans integerrima, stylo exserto. *Park. Par.* 106. f. 4.

†† Flavifloræ.

- 3 *Bulbocodium*. C. (the small entire-crowned) parva: corona integra, stylo inclusio. *Linn. sp. pl.* 3. 417. *atque ejus Herbarii.*
- 4 *tenuifolia*. C. (slender leaved) parva: corona 6-lobata, stylo exserto. *Narc. Revis.* p. 121. *Swt. Br. Fl. Gard.* t. 114. Martio floret.
- 5 *aurea*. C. (the shorter crowned) corona repando-crenata laciniis breviorè stylo exserto. *Schult. syst.* 7. 985. *Moris.* s. 4. t. 9. f. 15. *H. Eyst. ord.* 3. fol. 13. f. 4.
- 6 *obesa*. C. (the inflated) corona inflata integra, stylo exserto, foliis semper humifusis. *Narc. Revis.* p. 122. *exclus. synon.* Martio floret.
- 7 *lobulata*. C. (the lesser hoop-petticoat) corona undulato-lobata stylo fere semper inclusio. *Narc. Revis.* 122. *Park. Par.* 107. f. 7. *Clus. Hist.* 166. f. 1. Apr. floret.
- 8 *conspicua*. C. (the showy) magna: inodora: corona lævissimè repandulata, stylo fere semper exserto, foliis sub anthesin erectis. *Park. Par.* 107. f. 6. Floret f. Ap.
- 9 *serotina*. C. (the large, late) magna: corona integra, stylo inclusio. Pseud. *Narc. serotinus*, &c. *Park. Par.* 106. f. 8. *N. turgidus. Salisb. Prod.* p. 222. *N. Bulbocodium. Bot. Mag. nec Linn. neque ejus Herbarii.* med. Maii floret.

* 10. *Gigas* C. (the giant) corollæ laciniis lanceolato-linearibus coronam maximam campanularem plusquam 2-uncialem æquantibus, stylo alte porrecto. Pseudo *Narcissus pyrenæus* flore subluteo amplo calyce juncifolius. *Theatr. flor. t.* 21. Fig. inferior media. Cæteris 2-3-plo major.

** Genitalia recta.

II. AJAX. *Narc. Revis.* 111. *Corona* lobata, crenata, serratave, fere vel plus longitudine laciniarum sæpissimè imbricatarum corollæ. *Ovula* in valvis quadrifariam inserta. *Folia* ensiformia vel lorata obtusa sæpe infernè carinata, et supra, ab inflexis lateribus latè canaliculata.

* *Minores*, flaviflores, tubo longiusculo.
† *Corollæ laciniis* semiexpansis.

1 *minimus*. A. (the least) corollæ laciniis imbricatis, corona patula 6-lobata valde crispa, ante anthesin ipsum humum nutantum tangente. *Obs.* foliis perglaucis trientalibus humi subjacentibus. Pseudo-*Narcissus minimus. Park. Par.* 107. 3. *Mala. Narcissus minor. Bot. Mag.* 6. *spatha supra* germen ex errore posita!

2 *minor*. A. (the lesser) corollæ laciniis imbricatis, corona patula 6-lobata valde crispa, scapo erectiore. *Obs.* foliis patulo adscendentibus perglaucis 6-uncialibus.

A. minor. β. *Narc. Revis.* 112. *N. minor. Linn. sp. pl.* p. 415. et ejus *Herbarii. Ps. Narcis. minus. Park. Par.* 107. f. 2.

β. foliis longioribus erectioribus quam α. Pseudo-*Narcissus medius. Park. Par.* 105.

γ. *angustus*, foliis erectis longè angustioribus quam in prioribus. Forte propria species: Omnes var. med. Martii florent excepta forte hæc, quæ non vidi florens.

3 *pumilus*. A. (the small) corollæ laciniis obtusatis distinctis, corona precedentium. *Ajax cuneifolius. Narc. Revis.* 113. *Narcis. pumilus. Salisb. Prod.* p. 220.

- †† *Reflexiflores*, corollæ laciniis reflexis.
- * 4 *cyclamineus*. A. (small reflexing-flowered). N. hispanicus minor luteus amplo calyce foliis reflexis. *Theat. Flor.* t. 220.
- ** *Pallidiflores*: corollæ mediocris seu majusculæ, tubo abbreviato, laciniis quam prioribus magis expansis albicantibus seu albis, corona alte lutea.
- 5 *nanus*. A. (the dwarf sulphur) corollæ laciniis subsemierectis ovatis sulphureis tubo sesquiongioribus, corona per lutea subrecta, ore lobatim crenato plicatulo crispo.
N. minor ♂. conspicuus. *Narc. Revis.* p. 112.
Obs. *Foliis* glaucissima semunciam lata. Flos sesquiuincialis fere inodorus aperiens f. Feb. sen i. Mart.
β. Corollæ laciniis horizontalibus, foliis duplo angustioribus minus glaucis.
Amicus Dom. Penny communicavit. Floret cum a.
γ. *fl. pl.* apud amicum Rev. Dom. Ellcomb. Non vidi.
- 6 *brevisflos*. A. (short whitish petalled yellow crown) corollæ laciniis albescentibus, tubo coronâ luteâ cylindricâ rectissimâ crenato-incisâ duplo brevior, foliis glaucis.
Ajax lorifolius, β. *Narc. Revis.* 119.
- 7 *lorifolius*. A. (whitish petalled yellow crown) corona lutea, corollæ laciniis albis s. albicantibus, scapo teretiusculo ancipiti, foliis vix glaucescentibus.
A. lorifolius α. *Narc. Revis.* 119.
N. bicolor, *Bot. mag.* 1187, nec Linn., neque ejus Herbarii. *Obs.* Elatior quam priore foliis magis viridibus corolla longiore.
β *anceps*. Scapo ancipiti, magis compresso.
A. lorifolius γ. *anceps*. *Narc. Rev. l. c.*
- 8 *bicolor*. A. (great white petalled yellow crown) corollæ tubo longitudine pericarpî, laciniis niveis incurvo horizontalibus subtortis tubo triplo longioribus ovato-lanceolatis corona lutea basi ventricosa brevissima 6-lobata repando-crenata, vix plicata. *Narc. Rev.* 119.
Narcissus bicolor. Linn. *sp. pl.* 1. 415.
N. tubæflorus. Salisb. *Prod.* p. 221.
- *** *Albiflores*, corollis mediocribus seu majusculis, primo sulphureis demum albis, corona longissima.
- 9 *albicans*. A. (the greatest Spanish white) corollæ laciniis ovato-lanceolatis planiusculis albidis: corona crenata sulphurescente.
Pseudo-Narcissus hispanicus maximus albidus. *Park. Par.* p. 100. t. 101. f. 1.
Vidi florentem, apud Dom. Young's Epsomæ. Apr. 1831.
- 10 *tortuosus*. A. (the great tortuose white) corollæ laciniis prætortuosis sulphureo-albicantibus, corona citrina crenata demum alba longe brevioribus.
N. tortuosus. *Nob. in Misc. Nat.* p. 179.
N. moschatus. *Bot. Mag.* t. 924, nec Linn., neque ejus Herbarii. N. longiflorus. Salisb. *in Hort. Tr.* 1. p. 349.
- 11 *cernuus*. A. (the drooping creamy white) corollæ cernuæ denique albæ laciniis prætortuosis sulphureis, corona citrina ore sexlobato plicatulo, lobis rotundatis recurvantibus margine aliquantillum repandulo.
N. cernuus. *Roth. Cat. Bot. fasc.* 1. p. 43. *Succet br. fl. gar. v. 2. s. 2. t.* 101. Pseudo-N. hispanicus flore albo minor. *Park. Par.* 100.
β. flore elegantissime pleno. *Nob. in Phil. Mag.* Jun. 1830. p. 134.
Succet br. fl. gar. v. 2. s. 2. t. 101.
Vidi in horto Whitley, Brames, & Milne, apud Fulham, Aprilis florentem.
- 12 *moschatus*. A. (the lesser Spanish white) corollæ laciniis tortis primo sulphurescentibus demum albis, coronæ longitudine.
N. moschatus. Linn. *sp. pl.* 1. p. 415. et ejus Herbarii. N. moschatus β. *Bot. Mag.* t. 1800. N. candidissimus. *Redout. Lil. t.* 188. Ajax patulus. Salisb. *in Hort. Tr.* 1. p. 348. Pseudo N. hispanicus fl. albo minor. *Park. Par.* p. 100. t. 101. f. 4.
- **** *Lutei*, floribus plerumque luteis, sæpe sulphureis, rarissimè stramineo-albicantibus, corona plus minusve sæpe saturatiore.
- † *Serricoronæ*, statura mediocri, coronâ minus profundè serrata seu crenata quam in sequentibus.
- 13 *Pseudo Narcissus*. A. (the garland) scapo ancipite teretiusculo recto striato; corollæ laciniis pallidè sulphureis, exterioribus lanceolato-ellipticis tubum vix superantibus: corona lutea ore recto crenatim serrato longitudine laciniarum. Linn. *spec.* 1. p. 414.
Ajax festalis. Salisb. *in Hort. Tr.* 5. 243. Narc. Pseudo-Narcissus. *Eng. Bot.* t. 17.
a. *pallidus*, corollæ laciniæ pallide luteæ.
β. *albus*. Corollæ laciniis albis.
γ. *luteus*. Corollæ laciniis pallidè luteis.
δ. *plenus*, laciniis pallidis. *Park. Par.* t. 101. f. 8. *Parte in superius* *partem inferiorem*
ε. *plenissimus*. John Tradescant's great Rose Daffodill. *Park. Par.* t. 101. f. 6.
ζ. *ryticarpus*. Capsulis rugosis. An propria species? Habitat in anglia.

14 *serratus*. A. (the serrate) scapo striato subcompresso; corollæ laciniis planis sulphureis, exterioribus ovato-acuminatis: coronam luteam rectam plicatam alte serratam non attingentibus.

N. serratus. *Nob. in Misc. Nat. p. 179.*

β? *suavis*.

γ. *radians*. Corona perlutea intus crebre rugulosa, ore patulo plicato subregulariter valde radianter serrato, laciniis (corollæ) semi-expansis ovato-oblongis sulphureis, tubo duplo longioribus.

From the Epsom Nursery, March, 1831.

δ. *præcox*. Corollæ laciniis saturate sulphureis planis plusquam semiexpansis ovato-acuminatis tubo 5 lineas superantibus, coronâ patulâ luteâ grandè serratâ subæquantibus.

Fortè omnium præcocius floret in Hort. nobili, Hort. Londini Soc.

• 15 *nobilis*. A. (the noble serrate) scapo teretim ancipiti alte striato, laciniis corollæ patentissimis tortis ellipticis luteis, nectario perluteo ore patulo profundissime serrato brevioribus. *Nob. in Narc. Rev. p. 115.*

Narcissus pseudo Narcissus. *Red. Lill. t. 158.*

†† *LOBATO-CORONÆ*, mediocres lobis integrioribus.

16 *lobularis*. A. (Tenby 6-lobed Daffodill) corollæ laciniis luteis tubo obconico exactè duplo longioribus: corona perlutea patula sexlobata (lobis integris) laciniis tres lineas superante. *Nob. in Phil. Mag. May, 1830. p. 131.*

This grows wild near Tenby in Pembrokeshire, which by mistake was written Truby in Derbyshire, in the place above cited.

β? *amplicorona*.

Obs. In Chelsea Garden a wild bulb from Devonshire, with double flowers, produced offsets bearing for the three last years permanently *single* ones. Was its source genuine, it would form a good species with the following essential characters.

Corollæ laciniis ovato-acutis valde imbricantibus luteis, tubo sesquilongioribus; corona amplissima perlutea, basi ad apicem per dilatata sub-20 lineas expansa crenatim incisa subplicata crispula, intus rugosiuscula, laciniis superante.

γ. *plenus*. (The common deep yellow double Daffodill.)? *Gerard's* *

δ. *scoticus*. Scapo compresso ancipiti torto alte striato, corollæ laciniis lanceolato-ellipticis sulphureis tubum longe superantibus, corona lutea, ore magno expanso incisco-crenato ruguloso.

Fortè propria species. Exemplarium unum solum examinavi.

17 *rugilobus*. A. (the early rough lobed) corollæ laciniis ovato-acuminatis luteis, tubo tertia parte fere longioribus; corona perlutea alte sexlobata, lobis patulis plicatim crispo-rugosis.

Amicus Dom. Johannes Denson, Junior; communicavit. Floret i, Martio prope Londinum.

18 *cambricus*. A. (the recurving-lobed) corollæ laciniis luteis ovato-acuminatis tubo tertia parte fere longioribus, corona perlutea alte sexlobata, lobis patulis vix rugosiusculis plicato-crenatis recurvantibus.

Communicavit amicus Dom. Penny, fine Martii, 1831. *Habitat* in Cambria. Nova species, vel fortasse precedentem varietas. Florem unum marcescentem solum vidi.

19 *obvallaris*. A. (short-tubed spread crown) corollæ laciniis tubo $\frac{1}{2}$ longioribus rectis ovatis, interioribus multo angustioribus valde imbricatis; corona infundibuliformi basi cylindracea 6-fida, repando-dentata superne plicata.

A. obvallaris. *Narc. Revis. 120.*

N. obvallaris. *Salisb. Prod. p. 221.*

N. major γ. *Gawler in Bot. mag. t. 1381, fig. ima sine foliis.*

††† *INSCISLOBI*. Majores, et maximi, coronæ lobis profundis propriis sex, semper plus minus irregulariter laciniato-serratis, s. crenatis.

* 20 *spurius*. A. (deep yellow) scapo lævi compresso, ore coronæ perluteæ alte 6-fido patulo, laciniis corollæ semirectis lanceolatis luteis. *Narcis. Revis. p. 115.* Floret Aprili. Narc. major luteus calyce prælongo alter. *Rudb. Elys. 729.*

21 *Telamonius*. A. (the long-flowered) coronæ ore 6-fido expanso alte irregulariter crenato. *Narciss. Revis. p. 115.* Floret Aprili. In solo fertili, flos est fere trientalis longus.

β. *grandiplenus*. (the great double.) *Park. Par. t. 101. f. 7. Telamonius plenus*

γ. pleno pallidus acuminatus (the acuter pointed paler double.) In the Fulham Nursery.

22 *propinquus*. A. (the great rash-crowned) corollæ perluteæ laciniis semirectis tortis incurvo-patulis, corona laciniarum longitudine, ore subpatente profundissime irregulariter-dentato-crenato; foliis planis perglaucis.

N. propinquus. *Salisb. Prod. p. 221.*

Ajax lacinularis ejusd. in *Hort. trans. 1. p. 344.* Ajax propinquus. β. *Narc. Revis. p. 116.* N. major. β. *Gawler in Bot. mag. t. 1301, figura superior.*

23 *maximus*. A. (the intermediate large yellow) corollæ perluteæ laciniis patulis

* in view of 'Telamonius plenus' being listed separately (21).

- tortulis, corona ampla, 6-lobata lobis patentibus magnicrenatis.
 Ajax propinquus. *a. Narc. Revis. p. 116.*
 N. maximus. *Hortorum Batavorum.*
 N. major totus luteus calyce prælongo.
Rubb. Elys. t. 71. f. 19.
- 24 *major. A.* (the great) corollæ perluteæ, laciniis patulis, corona patentissima amplissima, lobis omnium maximis recurvis subundato-crenatis; foliis glaucissimis spiralibus.
Narcissus major. Bot. Mag. t. 51:
- III. OILEUS. (Pœtarum Ajax minor.) *Spatha* uniflora. *Corollæ* luteæ laciniis patentibus. *Corona* longior, vel longitudine laciniarum integra seu integerima truncata. *Stylo* incluso. *Genitalia* non vidi. *Statura* et *folia* Ajacium minorum, discrepante corona abque fimbria serrarum.
- * 1 *abscissus. O.* (the greater clipt-trunk) Pseudo-Narcissus tubo quasi abscisso. *Park. Par. t. 107. f. 1.* Narc. flavus tubo rotundo majore. *Rubb. Elys. t. 69. f. 4. Swertius Florileg. t. 22. f. 4.* β flore pleno. Soleil Brillante. *Trew flor. inag. t. 124. Narcissus IV.*
- * 2 *hexangularis. O.* (the 6-angled clipt-trunk) coronæ integræ hexangularis, angulis in totidem mucronis obsolete finientibus.
Narcissus subflavus tubo sexangulari. Rubb. Elys. 60. f. 3. Swertius Florileg. t. 22. f. 1. Pseudo-Narcissus tubo sexangulari. Park. Par. t. 101. f. 5.
- * 3 *minor. O.* (the lesser clipt-trunk) Narcissus flavus tubo rotundo minor. *Rubb. Elys. t. 68. f. 4.*
Obs. Penultima simillima, at triplo minor.
- * 4 *albus. O.* (the white) Narcissus albus, calyce seu tubo non fimbriato. *Rubb. Elys. t. 70. f. 7.—Obs. Facies Ajacis minoris, stylo exserto.*
- * 5 *pumilus. O.* (the small clipt-trunk) Narcissus hispanicus tubo non fimbriato. *Rubb. Elys. t. 72. f. 15. Swertius Florileg. t. 21. f. 9.*
Obs. Ajacis minimi supra, valde similis, at corona, truncata.
Obs. I have not seen any of these species, and insert them with a view to excite inquiry after them. Q. capax. Salisb. may be among them.
- IV. ASSARACUS. (Ganymedis frater.) *Spatha* biflora. *Corollæ* ochroleucæ nutantis laciniis subsemireflexis. *Corona* subundata, poculiformis, laciniis æquans potiusve superans. *Stamina* clusa, *tria* ore tubi, alia *tria*, fere orem coronæ attingentes, ut in figuris infra citatis. *Folia* lorata plana et statura ut in Ajacium minorum, sed *Ganymedis* facie.
- * 1 *Capax. A.*—Narcissus Calathinus. *Re-*

- dout. Lill. t. 177. nec Linn. Queltia capax. Salisb. in Hort. Tr. 1. 353. N. capax. Schult. syst. veg. 7. 950.*
 β. *plenus. Nob. in Phil. Mag. Jun. 1830. p. 134. Park. Parad. t. 107. f. 4. Flores flavi dicuntur.*
- * 2 *reflexus. A.* *Corolla* pallide flava.
 N. reflexus. *Schult. syst. 7. 952. Narcissus calathinus. Red. Lill. t. 410. nec Linn. Linnæi N. calathinus vide infra sub Philogyne.*
- V. ILLUS. (Ganymedis Frater.) *Spatha* 2-4-flora. *Corolla* absolute cernua seu pendula laciniis cyclaminum more reflexis, usque ad pedunculos, alba sive ochroleuca. *Corona* poculiformis integra laciniis subduplo brevior. *Stamina* inclusa. *Genitalia* recta gracilia valde inæqualia. *Filamenta* *tria* tubo breviora adnata fere ad *antheras* erecta: alia *tria* e tubo progredientia usque ad 3 lineas, libera ultra tubum at corona breviora. *Stylus* exsertus 2-3 lineas vel plus. *Folia* juncoidea valde canaliculata.
- * 1 *cernuus. I.* (the pale yellow) corollæ ochroleucæ laciniis planis oris albis, corona sesquolongioribus: scapo tereiusculo. Narcissus cernuus. *Salisb. prodr. p. 223. Ganymedes cernuus. Salisb. hort. trans. v. 1. p. 352. Narcissus triandrus. Bot. Mag. 48. non L. Ganymedes ochroleucus. Revis. pl. succ. 206. N. coronatus. Schult. syst. veg. 7. p. 986. Swert. Flor. t. 65. f. 7.*
- 2 *triandrus. I.* (the white twisting flowered) corollæ albæ laciniis tortis corona duplo longioribus, scapo compresso. Ganymedes albus. *Revis. pl. succ. 208. Narcissus triandrus. Linn. sp. pl. 2. p. 416. N. Coornei. Schult. syst. veg. 7. 986. N. coronatus. ibid. Swert. Flor. t. 29. f. 4.*
- VI. GANYMEDES. *Corollæ* laciniis semireflexis, nutantibus, vix cernuis, corona cyathiformi, laciniis 3-4-plo brevior, *stylus* subinde inclusus. *Semina* ovata placentis duabus longitudinalibus linearibus affixa, duobus ordinibus in singula placenta, cetera ut in genere precedente.
- 1 *pulchellus. G.* (the pretty white cupped) 3-7-flora: corollæ reflexæ laciniis luteis, corona alba, stylo incluso semper. *G. pulchellus. Salisb. in Hort. Trans. 1. 354. Sweet. Br. Fl. Gard. Series 2. t. 99.*
 N. triandrus v. luteus. *Bot. Mag. 1262.*
- 2 *concolor. G.* (the self-coloured) corolla tota lutea nutante, stylo semper alte exserto. *Narc. Revis. 134. 4. Sweet's Br. Fl. Gard. Series 2. t. 113.*
- 3 *striatulus. G.* (the faint striped) subuniflorus: laciniis corollæ luteis tortuosis

non imbricantibus, corona sulphureo albicante striatula valde repanda triplo longioribus, stylo excluso. *Narciss. Revis.* 132.

β *parvicorona*: humilior, biflorus; omni parte tenuiore, stigmatate coronam minorem æquante. From the Horticultural Society's Garden.

4 *nutans*. G. (the yellow cupped) sub3-florus: corollæ laciniis pallide luteis corona saturatiore, stylo valde exserto. *Narciss. Revis.* 131.

Narcissus trilobus, Linnæi. *Gawler in Bot. Mag.* 945.

* 5 *albus*. G. (the white) corollæ albæ laciniis semireflexis corona integra subcupulari subduplo longioribus.

Narcissus totus albus reflexus. Moris. s. 4. t. 9. f. 13.

N. juncifolius albus. Park. Parad. t. 93. f. 1.

β *major*. *N. juncifol. alb. magno calyce. Park. Parad. t. 92.*

VII. DIOMEDES. *Corollæ* tubus clavatum cylindricus validus, *corona* poculiformi magna laciniis plusquam semiaequante. *Genitalia* recta. *Filamenta* subæqualia tubo semipliusve deorsum connata. *Nob. in Phil. Mag. Nov.* 1823.

1 *minor*. D. (the small white petalled) filamentis tribus apice solum liberis, stylo corona brevior. *Floret* Aprili. *N. Macleayi. Bot. Mag.* 761.

2 *major*. D. (the large white petalled) corollæ laciniis oris reflexis filamentis plusquam semilibris, stylo coronam æquante. *Nob. in Phil. Mag. l. c.—N. Sabini. Bot. Reg.* 762.

N. albus tuboluteo. Rudb. Elys. t. 69. f. 5.

* 3 *Parkinsoni*. D. (shorter cupped) corollæ laciniis, corona plus duplo longioribus. *Narcissus albus oblongo calyce. Park. Parad. t. 71. f. 7. fig. 13.*

VIII. TROS. (Ganymedis Pater.) *Spatha* 1-2 flora. *Corolla* e sulphureo albicante, ante aperientiam ad scapum tortim inflexa plusque, postquam valde cernua, et tortula, laciniis *corona* recta, majuscula poculiformi delicatiori elegantè plicata, ore plicatum-crenulato, plus duplo longioribus. *Filamenta* æqualia tria plus dimidiatim, cæteris altius tubo adnata et libera plus quam antherarum longitudine. *Anthera* superne curvatim semierectæ non versatiles. Cætera ut in Ajace, ut longissimè graciliores.

1 *poculiformis*. T. (the great plaited cup) corollæ pendulæ mox nutantis laciniis rectis semiexpansis oblongiusculis cum acumine concavo inflexis corona ore crenulatum erosulo. *Queltia poculiformis. Salisb. in Hort. trans.* 1. 352. *Narc. montanus. Bot. Reg.* 2. 123. *Obs.* Individuus, forte varietas, per

tres annos remanet omni parte triplo minor.

2 *Galanthifolius*. T. (snow drop-leaved) corollæ laciniæ lacteæ nutantis subtortis substellatis ovato-lanceolatis lateribus infernè deflexis, corona poculiformi plicatissima. *Synops. succ. app. p.* 328.

Obs. variat. Stylus longitudine coronæ vel plus, et 10 dies serius floret. Et stylo semper incluso 10 dies præcocior.—Presented by Mr. Milne of Fulham, from his private Garden.

IX. QUELTIA. Omnia fere ut in genere precedenti, at omni parte grossiore. *Spatha* 1-flora. *Corolla* nutans, laciniis *corona* duplo longioribus, *corona* late campanulata ore valde dilatato et sexlobulatum crispo-undulato. *Filamenta* paulo magis tubo adnata.

* *Sulphurea*, corona lutea.

1 *aurantia*. Q. (the orange rimmed) corollæ laciniis pallide luteis corona calyciformi perlutea, ore patulo 6-lobato, lobulis crispatim undulatis plicatisve subimbricantibus. *Narcis. Revis.* 124. *Obs.* Semel vidi duos flores in eadem spatha.

β *plena*: luteo-aurantia. Vulgo Butter and Eggs.

2 *Gouani*. Q. (the lobed orange rim) laciniis luteis per oras demum recurvas, distinctis pallidè luteis, corona perlutea, supernè subaurantia sexlobata plicata crispa undulata.

Narcissus-Gouani. Redout. Lill. tab. 158.

Obs. Folia florendi tempore pedalia glaucescentia valdè nervoso lineata. *Scapus* folia æquans anceps striatulus.

Q. *aurantiæ proxima*, sed minor, *coronæ* lobis certè longè distinctioribus profundioribus. Paulo serius floret.

3 *incomparabilis*. Q. (the great incomparable) corollæ laciniis sulphureis, corona late campanulari lutea, ore valde patulo, lobis magnis crispo-undatum quasi imbricantibus.

Narcissus incomparabilis. Bot. mag. t. 121.

* 4 *concolor*. Q. (the self-coloured incomparable) corollæ laciniis coronaque late campanulata lobata crispa uniformiter flavis concoloribus.

Narc. odoros. ð. Linn. amæn. Acad. v. 4. p. 311.

Narc. omnium maximus flore et calyce flavo. Park. Par. p. 68.

β *plena-sulphurea*. The Sulphur Crown, and the Sulphur Phoenix; Hortulanorum. Varietas omnium plenarum forsan sumptuosissima.

5 *semipartita*. Q. (the cloven-cupped) corollæ laciniis pallide sulphurescentibus, corona patenti-campanulata semisexpartita lutea, lobis parabolicis

- late concavo canaliculatis distinctis obsolete rugosis. *Narcis. Revis. p. 126.*
- ** *Albiflores*, corollæ laciniis albis primo sulphurascentibus, vel omnino albis sive niveis; corona lutea.
- 6 *alba*. Q. (the great white) corollæ laciniis primo sulphurascentibus mox albis imbricantibus, corona saturate citrina, lobis maximè crispis. *Narcis. Revis. p. 127.* Narc. (odorus) latifolius maximus albo flore calyce brevi tubo. *Linn. amæn. acad. 4. 311.*
- β? plena niveo-aurantia. Vulgo, the orange Phoenix.
- 7 *nivea*. Q. (the lesser white) corollæ stellaris laciniis tortuosis, basi (per oras reflexas) distinctis niveis corona lutea angustè campanulata plicata crispa undulata. Communicavit florentem amicus Johannes Denson, Junior, Mense Aprili 1831. *Obs.* corona minus patula. *Scapus* anceps pedalis subviridis uti *folia* striata, vix glaucescentia, ut in priore, in qua etiam omni parte major.
- X. SCHISANTHES. *Spatha* 3-4-flora. *Corollæ* sulphuræ stellatim-patentes. *Corona* perflava semitripalito-patula, recta, laciniis circiter duplo brevior. *Antheræ* trilineares. *Scapus* valde compressus fistulosus gracilis lævis substriatulus. *Folia* lorata plana erecta viridia, ad latera arcuè erecto-incurva.
- orientalis*. S. (the triple-gashed.) *Narc. Revis. p. 129.*
- N. *orientalis*. *Lin. Aiton. Willd. N. incomparabilis* β. *Bot. Mag. 948.* *Hermione ambigena. Salisb. Hort. Tr. v. 1. p. 361.*
- XI. PHILOGYNE. *Spatha* 2-4-flora. *Corolla* concolor lutea. *Filamenta* gracilia tubo adnata, tria libera circiter antherarum longitudine, tria plus. *Antheræ* contiguae erectæ lineares altitudine tubi. *Stylus* subgracilis antheras longe superans corona brevior. *Corona* varians sæpe heminæformis laciniis subduplo brevior rarissime fere eadem longitudine. *Ovarium* oblongum: *ovula* oblonga subcapitata basi attenuata bifariam inserta.
- * *Distinctilobæ*. *Corona* sexlobata, lobis distinctissimis planis, laciniis corollæ distinctis.
- 1 *odora*. P. (the great 6-lobed) corollæ stellaris laciniis distinctis, corona lævi distinctissimè sexlobata patula campanulata, scapis 3-4 floris folio altioribus. *Narciss. Revis. p. 134.* N. odorus. *Linn. sp. pl. ed. 3. p. 416. et ejus Herbarii.*
- N. *calathinus. Bot. Mag. 934, nec aliorum.*
- Obs.* Omnium major. *Scapus* 2-4 florus.
- 2 *Campernelii*. P. (the late great 6-lobed) scapis numerosis, 2-3-floris folio humilioribus, corollæ laciniis flexuosa distinctis corona 6-lobata patula duplo longioribus.
- N. *Campernelii. Hortulanorum.*
- Priori simillima, et forte varietas senior subpallidior corolla speciosior, *coronæ* lobis paululum minoribus, majis patulis seu recurvantibus, foliis altioribus florendi tempore Fl. Aprili in Maiam. Forte formosissima varietas solum.
- ** *Subsexlobatæ*: *Corona* 6-lobata, lobulis obsoletioribus sen minus distincte definitis crispis undulatis; *corollæ* laciniis valde imbricatis, præinæqualibus.
- 3 *rugulosa*. P. (the great wrinkled cup) corona plicatula interne rugulosa, lobis profundis semicircularibus basi crispatis imbricantibus, laciniis corollæ vix duplo brevior. *Narc. Rev. p. 135.*
- 4 *interjecta*. P. (the great-curled cup) sub-2-flora: corona obsoletè crispatis duplicato trilobulata sen irregulariter undulata lævi, externè obtusè angulata, laciniis corollæ imbricatæ non duplo brevior: scapo sesquipedali. *Narc. Revis. p. 135.*
- Obs. scapus* solo fertili sesquipedalis, 2-3 florus.
- 5 *Curtisii*. P. (*Curtis's*) corollæ laciniis latè ovatis obtusis luteis, corona recta campanulari ore crispatis lobulato subsaturatiore, subsesquolongioribus.
- N. odorus. *Curtis Bot. mag. t. 78.* non *Linnæi*, neque *ejus Herbarii.*
- N. lætus. *Hort. Kew. ed. 2. v. 2. p. 216.* non *Salisb.* qui est *Philog. triloba, infra.*
- * 6 *calathina*. P. (the greatest cupped) *spatha* multiflora, nectario campanulato subcrenato aequante petala, foliis planis. *Linn. sp. pl. 1. 415.*
- Narcissus angustifolius flavus* magno calyce. *Rudb. Elys. 2. p. 60. f. 5.*
- Species propria, corona maxima quæ non vidi vivam neque siccam, sed dubio sine bona; et præcedenti affinis; a qua nihilominus differt quandoquidem magna corona. Forte affinior *Phil. heminali* infra.
- N. *calathinus. Redout. Pl. Lill. 417.* est *Assaraci* species supra descripta.
- 7 *triloba*. P. (the lesser 3-lobed) *spatha* sub-2-3-flora: nectario campanulato subtrifido integerrimo dimidio brevior petalis.
- N. *triloba. Linn. sp. pl. 1. 147.* *Philogyne triloba, Narc. Revis. p. 135.* exclusis synonymis. *Bot. mag. 78.* et *calathina, Salisb. et Park. Par. et Observationibus finientibus.*
- Obs. Corollæ* laciniæ inæquales subplanæ valde imbricatæ, *coronâ* sub-

campanulari crispatis lobata duplo longiores, late ovatae submucronatae, interiores parum tortae ovato-ellipticae. Corona recta ore obsolete 6-lobato plicatim undulato-crenato.

- * 8 *minor*. P. (the lesser) spatha biflora corona crispatis undulato-lobata: scapo dodrantali. *Narc. Revis. p. 137.*
N. rupicola. Schult. syst. v.7. p.958.
N. juncifolius. Schult. syst. p. 962. sed N. Assoanus. l. c. potius ad N. tenuirem. Bot. Mag. 379. pertinet.
N. Jonquilloides. Schult. syst. 7. p.988?
β. fl. pl. minor. Queen Ann's Jonquil.
γ. fl. pl. major.
δ. fl. pl. maxima.

All in the Epsom collection.

- *** *Undato-coronae. Corollae laciniis substellantibus seu angustioribus vix imbricantibus magis aequalibus, quam in praecedentibus, corona heminiformi angustiora integriora sesqui et subsesquilongioribus.*

- 9 *heminialis*. P. (the narrow cupped) spatha 2-3 flora, corollae laciniis subaequalibus subimbricatis tortuosis, corona heminiformi subintegra sesquilongioribus. *Narc. Revis. p. 436.*
N. juncifolius luteus magno calyce. Park. Par. t. 93. f. 4.
Obs. Folia medioeria hujus generis, Juncoidae atro-viridia.

- β. *pluriflora*. P. duplo major; scapi duplo numerosiores 1-3 flores longe altiores, corona saepe nec semper longiore: foliis duplo majoribus pallidioribus. Forte propria species; communicavit amicus Dom. Penny.
Narcissus Juncifolius maximus amplo calyce. Park. Par. t. 89. f. 5?

XII. JONQUILLA. Nomen antiquum genericum, sed non Linnæi more constructum.

Spatha 2-6 flora. *Corollae* conco'oris flavæ laciniis in stellam quasi patentibus, *corona* parva ore eroso-crenato acetabuliformi seu patellari 4-5-plo longioribus. *Scapi* laeves obtusè subcompressi. *Folia* Juncina semiteretia, supra concavo-canaliculata erecta, sæpius atro-iridida. *Flores* delicatissimi suaveolentes. *Semina* incipientia subreniformia. Cætera ut in *Hermione*.

- 1 *major*. J. (the great Jonquil) 3-6 flora: sesquipedalis atroviridis: corollae laciniis anguste-obovatis, tubo respectu horizontalibus, corona sub4-plo longioribus.
N. juncifolius luteus vulgaris major. Park. Par. t. 94. 7. tab. 93. f. 5.
- 2 *media*. J. (the middle Jonquil) pedalis, 3-4 flora, atroviridis subtriflora, corollae flavæ, laciniis late obovatis sub-

spatuliformibus semireflexis, corona plus 3-plo longioribus.

- N. juncifolius luteus medius. Park. Par. p. 94. n. 8.*
- 3 *minor*. J. (the lesser Jonquil) 2-flora: 6-9-entalis, viridis, corollae, paulo pallidioris, laciniis cuneato-obovatis, corona majore magisque expansa, 4-plo longioribus.
N. juncifolius luteus minor. Park. Par. p. 93. No. 9. Hermione similis. Salisb. in Hort. Tr. 1. p. 359.
- 4 *parvicorona*. J. (the little-crowned) pedalis: atroviridis: gracilis: biflora: corollae laciniis stellaribus flavis, corona satiore paulo, omnium minore.

XIII. CHLORASTER. Spatha 1-3-flora. Corollae viridis laciniæ in gracillimam stellam patentes. Corona minima integra, vel 6-partita, partibus incurvatum cochleatis incrassatis. Filamenta omnino tubo adnata, 3 tubo breviora, 3 ejus longitudine.

- * 1 *fissus*. C. (the cloven cupped) florendi tempore aphyllus, corona hexapetaloidæa. *Phil. Mag. Mar. 1824.*
Narcissus viridiflorus. Bot. Mag. f. 1687.
- * 2 *integer*. C. (the intire cupped) spatha 3 flora, corona integra ante foliatione.
Narcissus Juncifolius autumnalis flore viridi. Park. Par. 94. 11. tab. 93. f. 6.

XIV. HERMIONE. Spatha 3-20 flora. Corollae laciniæ in stellam patentes, corona parva calyciformi seu cyathiformi vel cupulari 2-5-plo-longiores. Tubus gracilis angulato-cylindricus: corollae laciniis longior viridis. Filamenta fere toto tubo adnata apice solum semilineam libera: tria tubo longe breviora, tria ejus longitudine. Anthera parvula trigono-ovata erectæ, tres tubo inclusa, tres id semisuperantes. Stylus rectus inclusus. Stigma plus minus trilobato-trifidum, lobis rotundatis.

- * *Flavo-concolores*; lævigati pervirides, scapis teretibus vel parum compressis, foliis plus minus Juncaginosis, erectis, seu altè, concavo-canaliculatis, subulato-acutis. Genus proprium?
- † *Flavæ.*
- * 1 *intermedia*. H. (the intermediate) foliis canaliculatis viridibus basi subsemicylindraceis, scapo subcylindrico 1-3 flora, corona cyathiformi ore dilatato crispo subintegro, segmentis quadruplo brevior.
N. intermedius. Red. Lill. t. 427. Narc. major juncifolius. Hort. Eyst. tet. tertius Ord. fol. 4. f. 1. N. intermedius γ. Schult. syst. 7. 963. sed var. β. l. c. est Philogyne triloba Nob. Var. α Schult. nescio, nisi est H. compressa infra.

- * 2 *bifrons*. H. (the long flowered) 1-5 flora, pedunculis longis effusis gracilibus, corollæ laciniis stellaribus, corona calyciformi sexlobata ter longioribus. N. *bifrons*. *Bot. mag.* 1186. N. longiflorus. *Willd. enum. v. 1. p. 351*. N. polyanthos flore minore stellato toto luteo. *Rudb. Elys. t. 60. f. 7*. *Folia semunc. lata*.
- 3 *compressa*. H. (the Jasmine Jonquil) 2-6 flora: pedunculis suberectis parumve ad germen paululum flexis, corollæ laciniis imbricatis, corona erecta eroso-crenata, subtriloba longioribus. *Obs. folia singulariter lata angustaque eodem bulbo*. N. *compressus*. *Nob. in Lin. Tr. v. 5. p. 245*. H. *intermedius a. Schult. syst. v. 7. p. 965?* quæ non vidi? (nisi est speciem presentem) neque figuram. N. *radiatus*. *Red. Lill. t. 459*. N. *tripartitus*. *Schult. syst. 7. p. 965*.
- 4 *primulina*. H. (the cowslip cupped) subquadriflora: scapo obtusissimè compresso, corollæ laciniis perluteis ovatis imbricatis, corona subaurantia patula sexlobata 3-4-plo longioribus. *Narc. Revis. 140*. *Narc. bifrons β. Bot. Mag. 1299*.
- 5 *biscrenata*. H. (large cowslip cupped) scapo lævissimo 6-9-floro vix compresso, corollæ laciniis perluteis latissimè ovatis, corona sub 6-lobata, lobis plicato-crispulis bilobulatis, plus duplo longioribus. H. *primulina β. Narcis. Revis. p. 140*. *Obs.* A priore precipue differt, statura majore, floribus duplo numerosioribus, lobis normalibus sex, itidem relobulatis seu bifidis; inde corona sub 12 lobulato-crenata est.
- †† *Alba*.
- * 6 *alba*. H. (the rush-leaved white) subsexflora: corollæ-laciniis ovatis acutis imbricantibus albis, corona concinnè crenata fere duplo longioribus: foliis juncagineis obtusulis. *Narcissus juncifolius polyanthus albus. Hort. Eystt. Ord. 3. fol. 17. f. 1*. Non vidi, sed l. c. solum descripsi. *Species valde singularis flore albo*. H. *biscrenata*, supra dubio sine proxima: a qua precipue alba corolla discrepat.
- ** *Rotuliflora*, ochroleucæ seu lutescentes cupulari corona.
- 7 *tereticaulis*. H. (the green-leaved cream coloured) viridis: sub6-flora: corollæ laciniis rotundo-ovatis imbricatis flos lacticoloribus, corona citrina subpatula subintegra lobulatave sesquiduplo longioribus, scapo inferne teretiusculo. *Narc. Revis. p. 140*. N. *orientalis. Bot. Mag. 1298*. N. *ochroleucus. Loid. sel. not. p. 163. Narc. p. 169. Flor. gall. ed. 2. 1. p. 236. Schult. syst. 7. p. 963*. *Obs.* Corona subindè definitè sexlobata. *Folia* angustiora, quam in sequentibus, sed sæpe sex lineas lata, extus magis convexa, supra magis inflexo-concava. *Flores* elegantissimè fastigiatum capitulati.
- 8 *rotularis*. H. (the glaucescent leaved) sub8-flora, glaucescens: corollæ rotularis ochroleucæ laciniis imbricatissimis, corona lutea duplo longioribus, foliis semunciam latis planis obtusissimis. *Narc. III. Trew Flor. Imagin. t. 105. Barrel. icon. 918*. *Obs.* Forte omnium obtusissima *folia*, scapus sesquipedalis teretiusculus. *Flores* demum lactei elegantè capitati, sed in juventute incipientes, seu ante aperientiam insigniter abbreviati crassi, et quasi plenos flores simulant. *Corollæ* laciniis amplissimè rotundato-ovatis variè flexis mucronatis et quasi plicatulatum rugosulis. *Corona* subcupulari paululum ore patulo, plicatum quandoque irregulari integra. *Præcocius* floret quam priore.
- 9 *flos-lactis*. H. (rich creamy white) sub7-flora: *Corollæ* rotularis laciniis flos lacticoloribus apice rotundatis maximè imbricatis (tubo respectu) horizontalibus, tubo tertia parte brevioribus, corona cupulari integra perlutea duplo longioribus. *Obs.* Nova species. *Folia* lorata plana viridia unciam basi lata altitudine scapi, sub anthesin fistulosi, subcompressi grossi subancipitis.
- 10 *multiflora*. H. (the yellowish) sub14 flora, corollæ rotularis laciniis pallide luteis, corona flava saturatiore subcupulari ore truncato-repandulato sub duplo longioribus: foliis lorato-ensiformibus. *Herm. multiflora. β. Narcis. Revis. p. 146*. N. *orientalis δ. Bot. Mag. 1026*. *β. floribus pallidioribus*.
- *** *Flaviflora*. Corollæ laciniis longioribus seu acutioribus quam in sectione priore, plus minus luteis flavisve, corona sæpius aurantia.
- † Corona plus minus cupulari.
- 11 *sublutea*. H. (the pale yellow) sub9-flora, corollæ subrotularis laciniis pallide luteis ovatis, corona saturatissime lutea subcupulari ore patulo integro fere triplo longioribus. *Obs.* Communicavit florentem amicus Dom. Penny. f. Ap. 1831, cum sequenti.
- 12 *perlutea*. H. (the full yellow) sub4-flora, corollæ laciniis (tubo respectu) horizontalibus perluteis, corona cupulari

- aurantio-lutea subcrenata duplo plusve longioribus.
- Obs.* Similis parum, H. cupulari. *Bot. Mag. t. 925.* Sed differt coronâ longè pallidiore integriore, &c., et senior in f. Aprilis floret. Affinior precedenti est, et varietates belgicas vidi ambas valdè similes: et inde fortè solum prioris varietas.
- 13 *flaveola*. H. (the lesser pale yellow) sub4-flora; corollæ laciniis ovatis imbricatis flavescensibus, corona cupulari, subintegra lætè aurantia duplo longioribus.
- Obs.* Inter minores est. Florendi tempore subdodrantalis. *Folia* viridia obtusa vix glaucescentia 5-6-lineas lata altitudine *scapi* florentis obtusè compressi lævis. *Corolla* laciniis tubo fere duplo brevioribus. *Stylus* et tres humiliores *antheræ* cum *poline* aureo, incluse. Communicavit cum sequente, ex Caldario, amicus Dom. Sweet, Martio, 1831.
- 14 *deflexicaulis*. H. (the self-coloured yellow) floribus subseptenis luteo-subconcoloribus secundis, laciniis latè ovatis imbricatis, corona cupulari, scapo declinante, spatha abbreviata acuta. *Narc. bizantinus luteus. Park. Parad. p. 78. No. 3.*
- Obs.* *Folia* lata lorata erecta plana glaucescentia obtusa *scapus* ad anthesin subpedalis teretiusculus s. subcompressus substriatulus firmus sed inanis, apicem versus precipuè, et foliis altior, et concolor. *Flores* inter mediocres; subhorizontales vel nuntantes. *Pedunculi* $\frac{1}{2}$ -ad 3 uncias longi erecti triangulares virides altitudine *spathæ*. *Germina* trigono-ovale perviride. *Corollæ tubus* lutescens trigonus, *laciniis exterioribus* lato-ovatis acuminatis horizontalibus vel demum parum reflexis planiusculis, tubi longitudine vel brevioribus, *interioribus* minoribus ut in plurimis. *Corona* cupularis laciniis in ætate paulo saturatiores ore præplicatim subcrenulato, *laciniis* plusquam duplo brevior. *Antheræ* corona concolores. Cetera ordinaria.
- β. plena. *Narciss. cypricus flore pleno luteo polyanthos. Park. Parad. p. 86. N. 6.*
- 15 *trifida*. H. (trifid crowned yellow) sub3-flora: corollæ laciniis pallide luteis, corona saturatiore subcampanulata trifida (lobis bifidis) subtriplo longioribus: foliis 9-lineas latis loratis planis obtusis glaucis.
- Obs.* In caractere, foliis exceptis, fere cum *N. tripartito, Schult. syst. v. 7. p. 965,* concordat, sed, in fo-
- liis glaucis latis obtusis, (non ullo modo Juncagineis) abundè discrepat.
- Obs.* In my rambles after Narcissi in the Nursery Gardens near London, I detected this species going out of bloom in the open ground of the Nursery of Messrs. Allen and Co., in the Five Fields, King's Road; who, when I expressed a desire to publish it as a new species, immediately presented it to me, with a view of aiding me in my long-tried and well-known endeavours to elucidate these charming and fragrant plants; and ever friendly to the science of Botany, they have often so assisted me before.
- †† *Corona acetabuliformi.*
- 16 *aperticorona*. H. (spreading orange cupped) sub6-flora: corollæ laciniis semireflexis late ovalibus præimbricatis perluteis, tubo brevioribus, corona aurantia patula plicatim subrepandulata sesquiduplo longioribus.
- Obs.* *Folia* lorata plana glaucescentia obtusa, 10 lineas lata. *Scapus* medio-ocris compressus striatus. *Floret* medio Aprilis.
- **** RUFO-AURANTIÆ, Corollæ laciniis flavissimis, corona rufo-aurantia, seu saturatissimè aurantia.
- 17 *cupularis*. H. (the deepest orange cup) sub10-flora, corollæ laciniis saturate flavis, corona cupulari rufo-aurantia truncata subrepandula subtriplo longioribus.
- H. cupularis. *Salisb. in Hort. Trans. l. p. 361. N. flavus. Lagasc. nor. gen. et spec. p. 13. Narcissus Taz-zetta, Bot. Mag. 925. et Redout. Lill. t. 17. Nec Herbarii, Linn. N. africanus aureus major. Park. Parad. t. 81. f. 1. Soleil d'or Hortulanorum.*
- 18 *solaris*. H. (the starry orange) corollæ stellaris, laciniis subovatis distinctis ad oras reflexis flavissimis, corona rufo-aurantia cupulari subintegra, sesquiduplo longioribus.
- Obs.* A precedenti cui simillima, pulcherrimè radiantibus laciniis valde distinctis et non imbricatis ut in ea, discrepat.
- Fine Aprilis, A.D. 1831, florentem, Dom. Allen and Co.: mihi donabant.
- 19 *latifolia*. H. (broad-leaved orange cup) subtriflora: corollæ laciniis oblongo-rotundis valde imbricatis flavis, corona rufo-aurantia recta integra fissave, 2-3-plo longioribus, stylo tubo incluso. *Narciss. Revis. 145. Floret* f. Apr. 1. Mæii.
- Obs.* H. cupulari, humilior, *corolla* minus rotularis, *corona* subinde ruptatim 6-fissa, seu 6-partita, et tunc

- plus minus patula. *Folia* ensiformia lorata obtusa basi unciam lata. Seminalem exemplum habeo, cum floribus septem, et corona integra, sed vix distinctum.
- **** GRANDIFLORÆ, spatha 3-8-flora; corollæ laciniis omnium hujus generis longioribus et speciosioribus imbricantibus albis rarius sulphureis luteisve corona conspicua patula acetabuliformi lutea subsesquiduplo longioribus. *Semina* incipientia subcylindrico-clavata. Genus proprium?
- 20 *Trewiana*. H. (great broad petalled) sub8-flora: corollæ amplissimæ rotularis laciniis albis planis, corona patula seu plicatim crenulata toto lutea.
H. *Trewianus*. *Sweet. Br. Fl. Gard. Ser. 2. t. 118.*
N. *Trewianus*. *Kerr. in Bot. Mag. fol. 1298.* N. grandiflorus. *Synops. succ. appendix. 330.* N. orientalis. a. *Gawler in Bot. Mag. 940.* Bazleman major. *Trew. flor. Imagin. Narcissus, I. t. 23.*
- *β *fissicorona*. (the cloven cropped) subtriflora: corona majore patente trilobatum fisso, lobis magnis 1-4 lobulatis truncatis.
Forsan propria species.
- 21 *flexiflora*. H. (flexuose large flowered) sub3-flora: corollæ laciniis (tubo respectu) horizontalibus obovatis variè deflexis et flexulis niveis, corona lutea plicatim subundulata patula sesquiduplo longioribus.
Obs. Corollæ laciniæ exteriores precipuè semper plus minus ad oras deflexæ, et variè in aliis locis oblique tortulæ, apice mucronulatæ, ipsa basi luteæ. *Stylus* (in *Caldario* solum vidi) brevissimus fere ad basin tubi.
Obs. Pedalis (florend. temp.) foliis loratis glaucescentibus.
- 22 *subrenata*. H. (great yellow cupped) 3-5-flora: corollæ laciniis subreflexentibus albis, corona patula plicatulatim crenata toto lutea 2-3-plo longioribus, foliis loratis glauculis.
Cum priore floret. Hortulanorum Bazleman medius.
- 23 *crenulata*. H. (great saffron rimmed) sub3-flora: corollæ laciniis subreflexis albis, corona patula lutea, croceo marginata plicatulatim crenulata 2-3-plo longioribus, foliis loratis angustioribus. N. *crenulatus*. *Nob. in Lin. trans. v. 5. p. 245.* N. *Mussarti*. *Park. Parad. t. 81. f. 5.* Bazleman minor. *Trew. flor. imagin. Narcissus, II. t. 62.*
- 24 *sulphurea*. H. (great sulphury) sub5-flora: corollæ laciniis variè tortulis ad oras reflexo-stellantibus sulphureis; corona crocea oris pallidis fimbriatis.
- Narciss. polyanthemus præcox sulphureus maximus calyce croceo oris pallidis et fimbriatis. Barrel ic. 936.*
- 25 *lutea*. H. (great yellow) lutea: sub3-flora: corollæ laciniis magnis longis et acutè oblongis flexulis stellantibus luteis. *Narcissus luteus polyanthos lusitanicus. Ruidb. Elys. tab. 69. f. 2.* Bazleman luteo, Hortulanorum.
Obs. quatuor precedentibus similis sed corollæ laciniis longioribus in figura supra citata et magis distinctis stellantibusque. Non vidi, neque precedentem.
Obs. The fine large flowered plants of this section are known to Gardeners by the several names of "Bazleman major, medius, minor, sulphureus et luteus." The last two, which appear to be distinct species, I have never yet possessed, but taken up on the authorities abovementioned, with a special view towards inducing all lovers of these plants to search for them. They are nearest allied to *H. flexiflora* above, and should perhaps have preceded it.
- ***** SUBLONGIFLORÆ: spatha 4-20-flora: corollæ laciniis longiusculis albis seu lacteis acutis corona lutea seu aurantiaca 2-3-plo longioribus.
- 26 *Tazzetta*. H. (the white, yellow cup) sub5-6-flora: corollæ laciniis albis oblongo-ovatis acutis imbricatis, corona recta subintegra lutea, sæpe triplo longioribus in eadem spatia.
H. *Tazzetta*. *Narc. Revis. p. 442.*
N. *Tazzetta*. *Lin. sp. pl. ed. 3.*
N. *Narbonensis* medio luteus. *Park. Parad. t. 81. f. 3.*
- 27 *Cypri*. H. (the obovate cyprian white) scapo gracili, sub4-floro: corollæ laciniis obovato mucronatis subimbricantibus semireflexis et variè subflexulis, corona cupulari, lutea truncata sesquiduplo longioribus.
H. *Cypri*. *Nob. in Phil. Mag. Mart. 1831. Sweet Brit. Flower Garden, t. 92. series 2.*
β *semiplena*. *Park. Parad. 85. f. 22.*
γ *plena*. N. orientalis var. *fl. plen.* *Bot. mag. t. 1011.*
Obs. I have seen plants this season at Messrs. Allen and Rogers' Nursery, in the King's-Road, Five Fields, as finely grown, and with very nearly as many flowers as the fine figure above cited, of this most favourite and fragrant plant.
- 28 *lacticolor*. H. (milk-coloured Grecian) sub7-flora: corollæ laciniis lacteis (tubo respectu) horizontalibus planis ovatis valde imbricatis, corona recta perlutea cupulari lobulatum crenata subplicata subrugulosa sesquiduplo longioribus; foliis glaucis planis.

N. Tazzetta. *Fl. Græc. t.* 308.

A specimen of this was communicated by my very intelligent friend Mr. Penny, foreman to the fine nursery of Messrs. Young, at Epsom, the middle of last April.

- ***** CURTIFLORÆ, scapi multiflori teretiusculi sæpe plus minus fistulosi. *Folia* lata plana lorata plus minus glauca. *Corollæ* laciniis sæpius æqualibus et latioribus quam cæteris, et inde brevioribus, seu quasi curtis; semper albis, *corona* lutea, rarius subaurantia sesqui vel rarius duplo plusve longioribus. Medio-luteæ, *Hortulanorum*.
- * 29 *cerina*. H. (large waxen cupped) sub4-flora; corona crateriformi præampla subincrassata truncata integra luteo-cerina, laciniis (corollæ,) albis ovatis basi imbricatis duplo brevior. *Narciss. Revis. p.* 329. Floret Maio.
- 30 *fistulosa*. H. (the pipe stalked) sub9-flora: corollæ laciniis albis subreflexo-incurvis ovatis æqualibus valde imbricatis, corona recta inflata subintegra lutea, fere duplo longioribus. *Narc. Revis. p.* 142.
- 31 *patula*. H. (lesser, patulous) foliis glaucescentibus subcanaliculatis patulis scapo subcylindrico 2-6-floro, corona cyathiformi subintegerrima aurea petalis niveis alterne latioribus dimidio brevior. *Schult. syst. v. 7. p.* 977. N. patulus. *Loisel. Journ. d. 1809. 2. p.* 276. *Narc. p.* 625. *Not. p.* 52. et p. 159. *Flor. gall. ed. 2. 1. p.* 235. Vidi, sed non examinavi. H. *tazzetta* supra duplo minor, et precedentis affinium.
- Obs.* I think there are many varieties of this plant in gardens, and that one of them, whose flowers have the (perhaps unique) quality of dyeing off with tints of dull or dirty purple colour, have been found apparently wild in two different counties of England; and I have seen plants from both, growing in the rich Nursery at Epsom. If distinct, it may be called *rubescens*.
- * 32 *breviflora*. H. (the short round flowered) sub4-flora: corollæ laciniis æqualibus albis orbicularibus imbricatissimis; corona lutea integra subduplo longioribus. *Obs.* Dubio sine, nova species, *corollæ* laciniis omnium rotundioribus; foliis loratis et in nostro exemplari, solum 6-lineas latis. *Descriptio* e sicco hortense specimen solum.
- 33 *auranticorona*. H. (the orange-crowned white) sub9-flora: corollæ laciniis niveis ovatis variè flexis imbricatis,

corona cupulari acetabuliformi subrepandula latè aurantia plus duplo longioribus.

Cum priore et sequente fortè accedit ad H. *fistulosam*, sed distincta corollâ majore, etiamque coronæ colore.

Communicavit cum sequente; fine Aprilis A.D. 1831. Amicus Dom. Penny.

- 34 *crispicorona*. H. (the curly-crown) sub11-flora: Corollæ rotularis, laciniis albis rotundo-ovatis subrugosulo-flexulis imbricatissimis; corona aurantio-lutea cupulari campanulata plicata, (ore præcrispo) laciniis fere duplo brevior.

Obs. *Corollæ*, laciniis, tubo respectu, horizontalibus variè incurvulis et quasi ruguloso-flexulis. *Coronæ* ore indefinitè 6-lobulato crispo, lobulis *Philogynum* modo imbricantibus. *Folia* ensiformi-lorata plana glauca obtusa scapum florendi tempore æquantia.

Obs. Forsan hujus sectionis tres ultimæ species, meliùs associarent inter sect. *Rotulifloræ*, supra.

***** CITROCORONÆ, 5-20-floræ.

Corollæ laciniis albis minus abbreviatis quam in sectione priore, coronis subcupularibus primò citrinis, denique albicantibus albisve.

- 35 *floribunda*. H. (the Nosegay) sub16-flora: corollæ magnæ, laciniis rotundo-ovalibus subreflexo-incurvulis albis, corona ampla citrina suberecta integra 3-4-plo longioribus. *Narc. Revis. p.* 141. The Grand Monarque of Gardeners, of which I have seen many minor Dutch varieties.

- 36 *citrina*. H. (the common Citroniere) sub10-flora: corollæ laciniis albis rotundo-ovatis, corona citrina subpatula irregulariter sæpe fissa subtriplo longioribus. *Narciss. Rev. p.* 141. *Narcissus orientalis* γ . *Gawler in Bot. Mag.* 946.

Obs. Priori affinis, at differt structura scapi striati teretiusculi, foliorumque.

- 37 *decora*. H. (the neat lemon cupped) corollæ laciniis obovatis niveis, corona pallidè citrina cupulari (ore, repandulo) duplo longioribus.

Obs. *Folia* ensiformi-lorata mediocria subglaucescentia. *Scapus* anceps; striis elevatis. *Corollæ* concinnæ, mucronulatæ, ut in plurimis.

Obs. Flowered finely in the splendid Nursery of Mr. Colvill, in the King's-Road, Chelsea, in the end of April last, in the open ground, along with the next but one; and to him I am greatly obliged for a root in bloom.

38 *polyantha*. H. (the many-flowered pale cup) foliis planiusculis virescentibus, scapo subcylindrico, ancipiti, 8-20 floro, nectario cyathiformi, subintégerrimo, petalis ovatis, alternis latioribus, subtriplo brevioribus; floribus albis. *Narcissus polyanthos*. *Loisel. Schult. syst.* 7. p. 973. N. orient. totus albus major. *Hort Eyst. ord.* 3. fol. 11. f. 1. N. orientalis major polyanthus totus albus. *Moris. sect.* 4. tab. 8. f. 2.

Obs. Folia viridia. *Nectarium* pallidissime flavum serius omnino album. *Loisel.* l. c. Vidi 16-flores solum, in una *spatha*, laciniis ovatis acutis.

β. sub-3-8-flora, petalis angustioribus, corona citrina, foliis latissimis subensiformi-loratis viridibus. *Floret f. Martii. Habitat* in Gallia?

39 *sulcicaulis*. H. (many pale flowered, furrowed) 8-16 floro: corollæ laciniis ellipticis mucronato-acutis ad oras recurvis, subimbricatis niveis, corona cupulari tenuitèr crenulata citrina 3-plo longioribus.

Obs. Folia mediocria ensiformi-lorata subglaucescentia. *Scapus* foliis concolor compressus, utraque longitudinaliter obtusè sed profundè sulcatus, angulis obtusissimis. *Communicat amicus Dom. Sweet.*

40 *Luna*. H. (the pale few-flowered) 3-5 floro corollæ laciniis niveis imbricatis, corona primo pallidissime citrina. mox alba, sub-3-plo longioribus: foliis ensiformi-loratis viridibus planis.

Obs. Folia seriora sæpe 8-lineas lata plana, sæpe supernè debilitèr flexuoso-recurva.

***** ANCIPTES: *Italica*: *Scapis* omnium præcocioribus, valde compressis gracilibus, acutè ancipitibus. *Genus proprium?*

+ *Sulphurea*: 3-9-floræ, corollæ laciniis primo sulphureis seu rarius flavescens demum plus minus albicanibus, sæpius ovato-lanceolato-acuminatis, fere elongatis; vel simpliciter lanceolatis.

41 *chrysantha*. H. (the golden) subtriflora: corollæ laciniis saturatissime sulphureis lanceolatis distinctis, (tubo respectu) flexuosè horizontalibus, coronâ cupulari obsoletè crenato-repandulâ aurantiâ, 4-plo plusve longioribus.

N. *chrysanthus*. *Redout. Lill. vol. t. Schult. syst. v. 7. p. 971.*

Habitat, ex structurâ, in Italia. *Floret* i. Apr. sub dio.

H. tenuifloræ. *Nob. affinis.* Folia lorata plana glauca ordinaria, uti planta, inter minores. *Scapus* com-

pressus gracilis acutè anceps. *Peduncululi* triangulares fere ut in omnibus. *Flores* horizontalitèr subnantes. *Corollæ* laciniæ tubo breviores sub 9-lineas longæ. *Corona* rectissima saturatissime lutea potiusve subaurantia.

Obs. I have seen in Messrs. Young's fine Nursery, at Epsom, 2 semi-double (plenicornæ) varieties of a plant, extremely near to this, but rather paler; and two more as large again, but similar. Few points amongst monocotyledonous plants are more difficult, than to ascertain the true parents of double varieties by study only. They may become single, and may again become double. They are still varieties from seed in every stage.

Obs. 2. Since the printing of the former edition, the author has obtained, and has at this time actually growing in his garden, no less than eight different *Hermiones* with double crowns; (*Plenicoronæ*.)

These he hopes to flower in the ensuing spring, and to be able to determine and refer to the proper species from which they sprung; for they are merely seminal variations; but they are very beautiful, and extremely fragrant. November, 1831.

42 *italica*. H. (the large early sulphur) sub-10-flora: corollæ laciniis elliptico-lanceolatis subflexuosè basi imbricantibus primò sulphureis, corona citrina subquadriplo longioribus: *stylo* coronam crenato-erosam patulo-cupularem æquant.

N. *italicus*. *Bot. Mag.* 1188.

Obs. *Spatha* inter alias magna viridimembranacea, fere foliacea.

* 43 *præcox*. N. (the middle early sulphur) corollæ laciniis lanceolato-acuminatis tortuoso-undatis subdistinctis primo sulphureis, corona recta citrina subcampanulata plicata 6-partita quadriplo longioribus.

N. *præcox*. *Tenore Fl. Neap. p. 146. t. 27.*

44 *straminea*. H. (the lesser sulphur petaled) corollæ laciniis lanceolatis cum mucronulo sulphureis mox stramineo-albicantibus subdistinctis, tubo sæpe brevioribus, corona cupulari citrina plicatim eroso-crenata, sub-4-plo longioribus.

Obs. *Priori* simillima, sed in latioribus laciniis discrepat.

Ex *Caldario* cum sequente, communicavit amicus Dom. R. Sweet.

45 *subalbida*. H. (the straw-coloured) sub-4-flora: corollæ laciniis anguste lanceolatis lacteis basi subimbricantibus, corona cyathiformi straminea plicatim

- eroso-crenulata, sub4-plo longioribus. N. subalbidus. *Loisel. Schult. syst. v. 7. p. 967.*
Obs. Plusquam pedalis omni parte gracilis. *Folia* 7 lineas lata viridia, uti *scapus* apicem versus altè striatus.
- 46 *tenuiflora*. H. (the slender-petalled sulphur) sub4-flora: corollæ laciniis sordidè albis lanceolatis stellatis distinctis, corona minuta lutea sublacera incurvo-erecta 5-plo longioribus. *Philos. Mag. for 1830. p. 133. Floret* sub dio i. Martii. An precedentis varietas?
 †† *Niveæfloræ*, Floribus toto niveis graciliter elegantissimis suaveolentibus.
- 47 *papyraria*. H. (the great paper white) sub11-flora: corollæ niveæ laciniis subovato-lanceolatis imbricatis, coronâ cupulata subplicatim erosulâ sub4-plo longioribus.
N. papyrarius. Bot. Mag. 947. N. niveus. Loisel. Schult. syst. veg. v. 7. p. 975.
- 48 *dubia*. H. (the lesser white) sub9-flora: petalis ovatis nectario campanulato integerrimo triplo brevioribus.
N. dubius. Gouan. Illustr. p. 22. Willd. sp. pl. 2. p. 40. N. totus alb. medius polyanthos, &c. Red. Lill. t. 428. Hort. Eyst. ord. 3. fol. 2. f. 2. Tazzettæ duplo humilior. Petala ovata uniformia, nectario campanulato integerrimo albo, triplo longiora. Willd. l. c.
Obs. *Dodrantal*is plusve, *scapo* ancipiti, *flores* toto albi. *Init. Maio floret.*
 An vere hujus sectionis?
- * 49 *unicolor*. H. (the winter flowering) multiflora: petalis oblongis, nectario campanulato plicato lacero petalis sextuplo brevioribus, *scapo* foliis planis ligulatis longiore. *Tenore (sub Narcisso) Flora Neap. v. 1. p. 144. t. 26. Schult. syst. v. 7. p. 976.*
Floret in loco natali, Novembre in Decembrem.
- 50 *Jasminea*. H. (the Jasmine-like) corollæ elegantissimæ, laciniis lanceolatis distinctis, corona erosula 5-plo longioribus. *Phil. Mag. for 1830, p. 133.*
 †† *Serotinæ*. *Folia* synanthia.
- * 51 *elegans*. H. (the slender Jasmine) 1-7 flora: pedunculis gracillimis elongatis, corollæ albæ gracilis elegantissimæ, laciniis lineari-lanceolatis acuminatis albis, corona minuta integra multoties longioribus.
Narcissus serotinus. Desfontain. Flor. Atlant. v. 1. p. 283. tab. 82.
Habitat in Algeriæ arvis, secundum *Desf. l. c.*
- Obs.* Hæc planta omnium forte elegantissima, sed non est, *N. serotinus* Linnæi, neque ejus Herbarii, quandoquidem *lævis* non trinodosus *scapus*.
- * 52 *obsoleta*. H. (the white leafy autumnal) 2-flora: corollæ laciniis albis ovato-oblongis acutis imbricantibus, corona obsoleta lutea multoties longioribus. *Narcissus autumnalis*, medio obsoletus, the white autumn Daffodill with a sulLEN crown. *Park. Par. tab. 89. fig. 4. p. 90. No. 1. Swert. Flor. t. 30. f. 2.*
Obs. *Folia* 2-3 valde angustata et fere *Juncina*, sed basi paulo latiora, et apice magis acuta. Non vidi, sed *Parkinsoni* figura etc. solum descripsi.
- ††† *Nudicaules*: *scapo*, florendi tempore aphylo nodoso vel articulato. Genus proprium?
- * 53 *obliterata*. H. (the obliterated cup) sub8-flora: nectario obliteratedo, foliis lineari-lanceolatis.
N. obliteratus. Schult. syst. v. 7. p. 981. Habitat in Magadore.
Obs. Scapus pedalis. *Folia* *scapo* breviora $\frac{1}{2}$ poll. circiter lata obtusiuscula. *Flores* subumbellati erecti pedicellati. *Spatha* floribus parum brevior. *Schult. l. c. De Schlehtend. Fil.*
Obs. An hujus Generis? Ab ultima, penultima quoque satis differt foliorum latitudine.
 Forte *H. Jasminea* supra magis concordat; vel *H. elegans*. Non vidi.
 An *N. Broussonetii. Lagasca, Nov. Gen. et spec. p. 13?* "ob folia lineari-lanceolata."
- * 54 *serotina*. H. (the knottystalked autumnal) uniflora: *scapo* digitali nodoso, corollæ albæ laciniis patenti-stellatis oblongo-ovatis acutis, corona lutea sexdentata 7-plo longioribus. *Swert. Fl. t. 30. f. 4.*—*Obs.* foliis post anthesin ingredientibus fere ut in *Scilla* autumnali.
N. serotinus. Linn. sp. pl. ed. 3. p. 417, et ejus Herbarii. N. autumnalis minor albus. Park. Par. tab. 89. f. 3.
 An verè hujus generis, ob *scapum* anomalum nodosum.

XV. HELENA. (Hermionis formosissima mater.)

Spatha 1-3-flora. *Corollæ* flavæ, ochroleucæ s. albæ, laciniis in stellam expansis, tubo multo brevioribus. *Tubus* grossus valde compressus, angulis obtusis, fere ut in *Narcisso*, at longior, magisque compressus. *Filamenta* omnia fere omnino toto tubo adnata. *Anthæræ* demum subspiraliter tortæ, tres superna parte tubi inclusæ; tres tubum semisuperantes. *Stylus* tubum æquans, stigmatibus tribus rotularibus. *Ovulæ*

numerosæ, bifariam insertæ, obovato-spathulata. Cætera ut in *Narcisso*. Character *H. gracilis* sumptus.

Habitus in omnibus gracilior multo quam in ultimo, vel sequenti genere.

Folia linearia fere plana, sublineam lata, et viridia seu glauca.

* *Flavissima*. Foliis viridibus.

1 *gracilis*. *H.* (the slender yellow) 1-3-flora: scapo gracillimo compresso supernè accipiti lævi, spatha pedunculo brevior infernè integra: corollæ flavissima, laciniis ovato-acutis valde imbricatis horizontalibus, corona saturatiore patula acetabuliformi ore plicatim eroso-crenulato marcescente, 5-6-plo longioribus.

N. gracilis. *Bot. reg. t.* 816. *Swt. br. fl. gar. ser. 2. v. 2. ined.*

N. lætus. *Red. Lill. 428. nec 427. vel Salisb.*

Obs. Maio usque ad medium vel fere in finem floret.

** *Floribus ochroleucis, foliis angustissimis, sed planis nec Juncinis, vel infernè parum convexis, supernè parum concavis, viridibus.*

2 *tenuior*. *H.* (the slender straw coloured) 1-2-flora: prægracilis: corollæ laciniis ochroleucis mox albicantibus, corona lutea patellari 3-4-plo longioribus.

Hermione tenuior. Narc. Rev. p. 145. N. tenuior. Curtis in Bot. Mag. 379.

3 *planicorona*. *H.* (the slender, flat-crowned) corollæ laciniis ochroleucis, corona lutea deplanata, foliis lineam latis. *Obs.* Omnium planifoliarum angustissima folia.

Narcis. minimus Juncifolii flore. Park. Par. 88. No. 4. tab. 89. f. 2.

Amicus Rev. Dom. Ellicomb, fere post florescentiam, Narcissorum eximius cultor, Aprilis mense, communicavit.

Obs. Priore plus duplo gracilior flore simili, at in corona plana discoidea sufficientè discrepat.

*** *Dodrantales: floribus albis solitariis corona parva lutea, alio colore, marginata.*

*4 *purpureo-cincta*. *H.* (the dwarf purple rimmed) corolla diminuta alba, corona parva lutea, purpureo tenuissimè cincta. *Narcissus minimus medio purpureus. Park. Par. 87. No. 3.*

Non vidi, ex l. c. solum enumeravi.

* 5 *croceo-cincta*. *H.* (the dwarf saffron rimmed) dodrantis: foliis 4-5 spithamæis, corolla parva solitaria alba, corona lutea, margine croceo, radice parva rotunda sub-oblonga tunicis exterioribus nigricantibus.

Narcissus medio croceus tenuifolius.

Park. Par. p. 87. No. 2.

N. medio croceus graninifolius. Rudb. Elys. t. 61. 5.

Obs. non vidi, et l. c. solum enumeravi. Hæc et ultima (secund. *Park. l. c.*) in habitu, simulat *N. poeticum*, in fere omnibus, at multoties minoribus.

**** *Floribus omnino albis, foliis glaucis.*

* 6 *pumila*. *H.* (the dwarf white) uniflora: foliis linearibus (valde glaucis): corollæ laciniis ovato-subrotundis (albis), nectario concolore crasse crenato, triplo longioribus, antheris 3, tubo inclusis, 3-exsertis. *Redout. Lill. 409. Ganymedis species?*

XVI. NARCISSUS.

Spatha 1-3-flora. *Corona* parva patellaris, corollæ sæpius niveæ laciniis multoties brevior toto crocea seu flava et croceo fere semper cincta. *Filamenta* tubo adnata 3-inferiora cum antheris, parum inclusa; et 3, etiam inclusa cum antheris semisexsertis.

* *Præcociores.*

1 *poetarum*. *N.* (saffron-cupped) corollæ laciniis amplissimis cuneato-obovatis planis valde imbricatis niveis, corona sub-patellari (mox subdiscoidea) primo toto crocea, ore plicatissimè crispo saturatiore.

Narcissus maximus medio purpureus.

Merian. florileg. t. 144. fig. infer.

Narcissus poetarum.

—croceum pro corpore florem inveniunt, foliis medium cingentibus albis. *Ovid.*

Obs. Corolla nivea trientalis. Corona primo omnino pulcherrimè crocea, mox a basi seorsum intensè lutea, denique albicante periente. Folia glauca infernè carinata 7 lineas lata apice flaccidè recurva.

Florebat i. Apr. 1831, in Nobili Horto, Hort. Soc. Londini, copiosè et pulcherrimè omnium.

Obs. Non est Linnæi *Narcissus poeticus*, nec *Salsburii*, neque aliorum *Botanicorum*.

2 *ornatus*. *N.* (the flat crowned saffron rim) corollæ laciniis (præcipue exterioribus) subreflectentibus, basi imbricatis; corona matura omnino complanatum expansa: foliis erectis perglaucis angustis.

N. poeticus. Salisb. in Hort. Trans.

I. 363, sine ullo caractere. N. medio purpureo præcox. Park. Par. p. 76. tab. 75. f. 3. N. tripodalis. Salisb. MSS. ex laciniis 3 sæpe semireflexis (tripodam quasi simulantibus, et inde ex errore N. tripodalis. Schult. syst. v. 7. p. 987.)

Floret initio Aprilis cum sequente.

3 *angustifolius*. *N.* (narrow leaved saffron-rim) corollæ laciniis horizontalibus spatulato-obovatis distinctis, corona

acetabuliformi ore scarioso crenulatissimo internè coccineo, antheris 3 inclusis.

N. angustifolius. *Bot. Mag.* 193. *N. radiiflorus.* *Salisb. Prod.* p. 225. *et in Hort. Trans. v. 1. p. 365*, excluso synonym. Parkinsoni, quod est *N. stellaris* infra. *Narciss. Revis. p. 140.*

Habitat Helvetiæ pratis humidis subalpinis. *Floret* i. Aprilis. *Variat.*

α. ut supra, foliis angustè loratis glaucis.

β. foliis angustis viridibus. *Vidi* apud Messrs. Young Epsomæ.

γ. foliis glaucis floreque majoribus. *Communicavit* amicus Johannes Denson, Junior.

•• Medio tempore florescentes.

4 *spathulatus.* *N.* (the lesser saffron rim) corollæ minoris, laciniis obtusis seu spathulatis, corona lutea, margine plicato crispo croceo.

In nobili Horto, Hort. Soc. vidi florentem, medio seu fine Aprilis. *An varietas minor certè præcocior* *N. patellaris* infra?

5 *albus.* *N.* (the slightly saffron rimmed) corollæ mediocris niveæ, laciniis exterioribus obovatis, interioribus subovatis valde imbricatis, corona patula lutea, margine plicato-crispo subcroceo, mox marcescente albido, multoties longioribus.

N. albus. *Mill. Dic. ed. 8. No. 5. Schult. syst. v. 7. p. 985.*

Florebat in Nobili Hort. Hort. Soc. Londini, med. Aprilis, 1831.

6 *dianthos.* *N.* (the two-flowered saffron rim) 2-florus: corollæ laciniis subovatis niveis flexuosis, (per latera recurva) basi distinctis substellatis, corona acetabuliformi aurantia valde plicatim lobata crispa, lobis valde imbricatis plicato repandulis.

Obs. *N. biflorus* infra, similis sed discrepat caule sesquipedali, corollæ laciniis angustioribus niveis, coronâ aurantia et foliis subglaucis carinatis basi, oris inflexis et inde cavo-triangularibus, 8-lineas latis.

Florebat in nobili Horto, Hort. Soc. Lond. medio Aprilis, 1831.

7 *triflorus.* *N.* (three flowered) 2-3, rarissimè 4-florus: corollæ laciniis niveis ovatis planis, mox semireflexis imbricatis, corona patellari perlutea plicatula.

Florebat cum priore.

Obs. *Folia* fere precedentis sed viridia lorata carinata 5-6 lineas lata acuta. *Differt* etiam corollæ laciniis non flexuosè stellatis sed planioribus et imbricatis, corona lutea nec aurantia.

8 *biflorus* *N.* (the cream-coloured) 1-3 florus: corollæ ochroleuca mox albidæ, la-

ciniis amplissimis præinæqualibus late ovatis, corona patellari lutea, margine marcescente pallido, plicatulatim crenulato.

N. biflorus. *Narciss. Revis. 151. Bot. Mag. 197.*

Obs. This plant is reputed to be a Mule, because in gardens it bears not even the embryos of seeds: but as it spreads over whole fields in a wild state in Devonshire, &c. may it not, like the Hautboy Strawberry, have both fertile and barren individuals proper to its species; those now in gardens having arisen from the barren ones?

*** *Seriores* florendi.

9 *recurvus.* *N.* (the drooping leaved saffron rim) uniflorus: foliis semunciam latis perglaucis supernè debilitè recurvo-dependentibus scapo humilioribus, corollæ niveæ, laciniis imbricatis late ovatis retusis cum mucrone, lateribus inflexis: corona præplicata, ore crenulato croceo. *Narciss. Revis. p. 151. Floret* i. Maio, post medium.

Obs. Flores 1 rarissimè 2 in eadem spatha. *Coronæ* margo sublatè croceus demum interne parum albidus, sed minus quam in sequente.

β gracilior, foliis scapoque fere duplo angustioribus glaucescentibus minus planis, paucis solum recurvis sed erectis inde scapi sæpius altitudine: *coronæ* croceo margine sæpe tenuiori.

10 *poeticus.* *Lin. N.* (middle-sized May) foliis erecto-subincurvantibus glaucis, 4 lineas latis, corollæ laciniis imbricatis lateribus deflexis, corona patellari lutea, minutissimè plicatula margine subscarioso circulo albo-gracili, externè coccineo, crenulato; stigmate longitudine staminum interiorum. *N. poeticus.* *Linn. sp. pl. ed. 3. p. et ejus Herbarii.* *N. majalis.* *Curtis Bot. Mag.* 193 at the end. *Narciss. Revis. 150.*

β flor. plen. albo.

γ omnibus antheris exsertis. *N. poeticus.* *Red. Lill. t. 260.*

11 *patellaris* *N.* (the large broad May) corollæ amplissimæ laciniis orbiculato-obovatis imbricatissimis niveis, oris deflexis, corona patellari lutea supernè alba ore denticulato-crispo croceo: foliis 8 lineas latis, glaucis carinatis. *N. poeticus.* *Eng. Bot. tab. 275. Narciss. purpureus maximus.* *Park. Par. 75. f. 2.*

β flor. pleno albo cum croceo.

Obs. *Corollæ* laciniæ 3, exteriores subsemireflexæ, 3-interiores tubo respectu horizontales.

12 *stellaris*. N. (the long petalled saffron rim)
 corollæ niveæ elongatæ stellaris, laciniis obovato cuneatis mucronatis tortis oris undatis reflexis distinctis, corona perlutea patellari, margine plicato crenulato croceo mox intus albido multoties longioribus, antheris omnibus sub-exsertis.
 Narcissus medio purpureus serotinus.
Park. Parad. tab. 76. f. 2.

Communicavit' amicus Dom. Anderson, ex Hort. Chels. Initio Maii floribusque post medium.

Obs. corollæ laciniæ tubum 3-lineas longiores. Scapus gracilis anceps. Folia lorata viridia sive aliquantum glaucescentia. Antheræ tres paulo exsertæ, tres semiexsertæ sed cæteris certe humiliores.

POSTSCRIPT.

For the liberal use of books, and for the presentation both of many Roots and Specimens, without which the foregoing Enumeration of Narcissinæan Plants could not have been completed, I beg leave very much to thank the following Royal and Public Gardens, Gentlemen, and Nurserymen.

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In the course of the above Enumeration, will be found all the Species and Varieties contained in the just published Seventh Volume of Schulte's celebrated edition of Linnæus's *Systema Vegetabilium*, and all, as far as practicable, duly appreciated; nearly all the Species and Varieties of the faithful Parkinson, are likewise given; a few from the less accurate *Hortus Esystettensis*; the rare *Campi Elysii* of Rudbeck; Barrellier's *Icones*; the *Florilegium* of Swertius; Trew's *Floræ Imagines*; the *Theatrum Floræ*; Madam Merian's *Icones*; and many other works.

I have carefully preserved Specimens of almost the whole; and they will be hereafter my Vouchers for the truth.

The Genera and Species of this group of Plants here, and heretofore proposed by me, are very natural; and though many years have elapsed without their having been adopted by others.* So much the better it is, for my future reputation; for adopted they will be; and then must be proved, my having seen *just so far, before* my competitors.

On the other hand, half a century's experience constantly amongst the living Plants, might be expected to have effected *more*. But, "non omnia, possumus omnes."

The characters I have given throughout, are *short*, but they are the result of *experience*, founded on the solid laws of botanical proportions; and I know their *validity*.

"His L.B. utere mecum; dum alii plura melioraque sistant."

A. H. HAWORTH.

Chelsea, 1831.

* Since the first edition was written, my acute friend, Mr. Sweet, has adopted them all, and published some in his beautiful British Flower Garden.