

1047

ROYAL GARDENS, KEW.

---

**BULLETIN**

OF

**MISCELLANEOUS INFORMATION.**

---

**1890.**

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LONDON:

PRINTED FOR HER MAJESTY'S STATIONERY OFFICE,  
BY FRYE AND SPOTISWODE,  
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY.

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1890.

*Price Two Shillings and Tenpence.*

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APPENDIX I.—1890.

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LIST OF SEEDS OF HARDY HERBACEOUS PLANTS  
AND OF TREES AND SHRUBS.

The following is a list of such Hardy Herbaceous Annual and Perennial Plants as well as of such Trees and Shrubs as have matured seeds under cultivation in the Royal Gardens, Kew, during the year 1889. These seeds are available for exchange with Colonial, Indian, and Foreign Botanic Gardens, as well as with regular correspondents of Kew. The seeds are for the most part only available in moderate quantity, and are not sold to the general public.

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ADAM AND CHARLES BLACK, 6, NORTH BRIDGE, EDINBURGH; or  
HODGES, FIGGIS, & Co., 104, GRAFTON STREET, DUBLIN.

1890.

*Price Two pence.*

# HERBACEOUS PLANTS.

- Acæna argentea*, Ruiz et Pavon, Chili.  
*microphylla*, Hk. fil., N. Zealand.  
*myriophylla*, Ldl., Chili.  
*ovalifolia*, Ruiz et Pavon, Peru (*Ancistrum repens*, Vent.)  
*pinnatifida*, R. & P., Chili.  
*sanguisorbæ*, Vahl, New Zeal.
- Acanthus longifolius*, Host, S. Eur.
- Achillea Ageratum*, L., Eur.  
*alpina*, L., Alps.  
*Millefolium*, L., Eur.  
 — var. *rubrum*.  
*Ptarmica*, L., Eur.  
*setacea*, W. & K., Eur.  
*tomentosa*, L., Eur.
- Aconitum Fischeri*, Rehb., Kamtsch.  
 — var. *acutum*.  
*heterophyllum*, Wall, India.  
*Lycocotnum*, L., Eur., etc.  
 — var. *Kusnezoffii*, Reichb.  
 — var. *ochranthum*.  
*Napellus*, L., Eur., Temp. Asia.  
 — var. *volubile*, Pall, Siberia.
- Acroglchin chenopodioides*, Schrad., W. Himal.
- Actæa spicata*, L., Eur., Asia.  
 — var. *fructu albo*.  
 — — *fructu nigro*.
- Actinolepis coronaria*, Gray, Calif. (*Hymenoxys californica*, Hook. *Beria coronaria*, Gray. *Shortia californica*, Hort.)
- Actinomeris squarrosa*, Nutt., N. Amer. (*A. alternifolius*, DC. *A. helianthoides*, Nutt.)
- Adenophora liliifolia*, Bess., Hungary, etc. (*A. suaveolens*, Fisch.)
- Adesmia muricata*, DC., Chili, Patag.
- Adlumia cirrhosa*, Raf., Unit. States.
- Ægopodium Podagraria*, L., Eur., etc.  
 — var. *fol. varieg.*
- Ægopogon pusillus*, Beauv., Mexico.
- Æthionema gracile*, DC., Greece. *græcum*, B.S., Greece. *heterocarpum*, Gay, Syria. *saxatile*, R.Br., S. Eur.
- Ageratum conyzoides*, L., N. Amer.
- Agrimonia Eupatoria*, L., Eur., etc.  
*odorata*, Mill., Eur.  
*pilosa*, Led., E. Eur.
- Agropyrum caninum*, Beauv., Eur. (*Triticum caninum*, Schreb.)  
*caudatum*, Beauv., S. Eur.  
*dasyanthum*, Ledeb., Russia.  
*desertorum*, Schult., Siberia, Russia.  
*muricatum*, Schult., Eur. (*T. muricatum*, Link.)  
*junceum*, Beauv., Eur., etc. (*T. junceum*, L.)  
*repens*, Beauv., Eur., etc. (*T. repens*, L.)  
 — var. *aristatum*.
- Agrostis alba*, L., Eur.  
 — var. *stolonifera*, (L.) *nigra*, With., Eur.  
*rubra*, L., Norway, Sweden.  
*vulgaris*, With., Eur.  
 — var. *foliis variegatis*.
- Ajuga alpina*, L. Eur.  
*reptans*, L., Eur.  
*Chamæpitys*, Schreb., Eur. etc.  
*glabra*, Presl. Mediter.  
*pyramidalis*, L., Eur.

- Alchemilla alpina*, L., Eur.  
*argentea*, Don., Eur. (A. con-  
 juncta, Bab.)  
*arvensis*, Lam., Eur.  
*fissa*, Günth., Eur.  
*vulgaris*, L., Eur.
- Alisma Plantago*, L., Eur.
- Allium Ampeloprasum*, L., Eur.  
*angulosum*, L., Siberia.  
 — var. *acutangulum*,  
 (Schrad.)  
*atropurpureum*, W. et K.,  
 Hungary.  
*fistulosum*, L., Siberia.  
*fragrans*, Vent., N. America.  
*giganteum*, Regel., Siber.  
*globosum*, Redouté, S. E.  
 Eur.  
 — var. *albidum*.  
*hymenorrhizum*, Ledeb.,  
 Siberia.  
 — var. *tenuifolium*, Regl.  
*macranthum*, Baker., Himal.  
*neapolitanum*, Cyril., Italy,  
 etc.  
*odorum*, L., Siberia.  
*oleraceum*, L., Eur.  
 (A. *complanatum*, Bor.)  
*polyphyllum*, Kar. et Kir.,  
 Siberia.  
*roseum*, L., S. Eur.  
 — var. *carneum*, Reichb.  
*Schœnoprasum*, L., Eur.  
 — var. *sibiricum*, (L.)  
*Scordoprasum*, L., Eur.  
*senescens*, L., Eur., Siber.  
*siculum*, Ucria., Sicily, etc.  
*sphærocephalum*, L., Eur.  
 — var. *Deseglesei*, (Bor.)  
*subhirsutum*, L., S. Eur.,  
 etc.  
*ursinum*, L., Eur.  
*Victoralis*, L., Eur., Siber.,  
 etc.
- Alonsoa acutifolia*, R. & P., Peru.  
*caulialata*, R.P., Peru.  
*grandiflora*, Hort., Peru.  
*Warszewiczii*, Rgl., Peru.
- Alopecurus agrestis*, L., Eur.,  
 Caucas.  
*nigricans*, Hornem., Eur.  
*pratensis*, L., Eur.  
 — var. *fol. variegatis*.
- Alstroemeria aurantiaca*, Don, Chili.  
*hæmantha*, R. et P., Chili.  
*pulchra*, Sims., Chili.
- Althæa Kregujevacensis*, Pancic.,  
 S. E. Eur.  
*multiflora*, Reichb., Eur.  
*rosea*, Cav., Orient.  
 — var.  
 — var. *Heldreichii*, (Boiss.)
- Alyssum libyca* (R. Br.), Spain.  
*minimum*, Willd., Eur.  
*pyrenaicum*, Lap., Pyrenees.  
*rostratum*, Stev., S. E. Eur.  
*saxatile*, L., Russia.  
*turkomanicum*, Reg. et Sch.,  
 Turkestan.
- Amaranthus chlorostachys*, Willd.,  
 India.  
*hypochondriacus*, L., Amer.,  
 etc.  
 — var. *caudatus*, (L.)  
 — var. *speciosus*, (Don.)  
*margaritæ*, Hort.  
*paniculatus*, L., India, etc.  
*retroflexus*, L., Amer., etc.
- Amethystea cœrulea*, L., Siber.
- Ammi glaucifolium*, L., S. Eur.
- Ammobium alatum*, R.Br.,  
 Australia.
- Ampelodesmus tenax*, Link., Eur.
- Anagallis arvensis*, L., Eur., etc.  
 — var. *carnea*, (Schrank.)  
 — var. *cœrulea*, (Schreb.)
- Andromeda polifolia*, L., Eur.
- Androsace filiformis*, Retz., Siber.
- Anemone apennina*, L., Eur.  
*coronaria*, L., S. Eur., etc.  
*decapetala*, L., N. Amer.  
*multifida*, Poir., N. Amer.  
 — var. *Hudsoniana* (Richards.).  
*pennsylvanica*, L., N. Amer.  
*Pulsatilla*, L., Eur., etc.  
*rivularis*, Buchan., Himal.  
*sylvestris*, L., Eur.  
*virginiana*, L., N. Amer.
- Angelica gingidium*, Hook. f.,  
 New Zeal.
- Anoda hastata*, Cav., N. Amer.  
*Wrightii*, Gray, Mexico.



- Antennaria dioica*, Gært., Eur., etc.  
 — var. *tomentosa*.  
*margaritacea*, R. Br. Eur.  
*plantaginifolia*, Hook., N. Amer.
- Anthemis aetnensis*, Schouw., Mt. Etna.  
*arvensis*, L., Eur. Am.  
*Bourgœi*, B. R., Spain.  
*nobilis*, L., Eur.  
 — var. *discoïdalis*.  
*peregrina*, Willd., S. Eur.  
*tinctoria*, L., Eur.  
 — var. *pallida*.
- Anthericum Liliago*, L., S. Eur., N. Afr.  
 — var. *algeriense*, (Boiss.)  
 — var. *Dorseti*, Hort.  
*ramosum*, L., Eur.
- Anthoxanthum gracile*, Biv., Sardinia, Crete, etc.  
*Puelii*, Lecoq. & Lamotte. Eur.  
*odoratum*, L., Eur.
- Anthriscus Cerefolium*, Hoffm., Eur.  
*nemorosa*, Spr., Caucas, etc.
- Anthyllis tetraphylla*, L., S. Eur.
- Antirrhinum Orontium*, L., Eur.  
*rupestre*, Boiss. et Reut., Spain.
- Apium graveolens*, L., Eur., etc.
- Aquilegia Bertolonii*, Schott., Ital.  
*chrysantha*, Gray, N. Amer.  
 — var.  
*cœrulea*, Torr., N. Amer.  
*flavescens*, S. Wats., Californ.  
*Rauwolfii*, Hort., var. *aurea*.  
*sibirica*, Lam., Siberia.  
 — var. *alba*, Hort.  
 — var. *Bungei*, Hort.  
*vulgaris*, L., Eur.  
 — var. *Kitabelii*.
- Arabis albidâ*, Stev., Caucas.  
 — var.  
*alpina*, L., Eur., N. Afr.  
*auriculata*, Lam., S. Eur.  
*cenisia*, Reichb., S. Eur.  
*hirsuta*, Scop., S. Eur.  
*ilacina*, Schrad., N. Amer.  
*pumila*, Wulf., S. Eur.
- Arabis—cont.*  
*rosea*, DC., Calabr.  
*saxatilis*, All., Eur.  
*Sœyeri*, B. et R., Pyrenees.  
*Stelleri*, DC., China, etc.  
 (A. *japonica*, Gray.)  
*stricta*, Huds., Eur.  
*sudetica*, Tausch., Centr. Eur.
- Archangelica officinalis*, Hoffm., Eur.
- Arctium majus*, Schk., Eur.  
 — var. *Kotschyi*, Hort.  
*minus*, Schk., Eur. (Lappa minor, DC.)
- Arenaria balearica*, L., Balearic Isles.  
*graminifolia*, Schrad., S. Eur.  
 — var. *multiflora*.  
 — var. *parviflora*.  
*gypsophiloides*, Schreb., Orient.  
*laricifolia*, L., Eur.  
*pinifolia*, Bbrst., Caucas.
- Argemone mexicana*, L., Mexico.  
 — var.  
 — var. *alba*.
- Armeria filicaulis*, Boiss, Spain.  
*longiaristata*, B. & R., Orient.  
*maritima*, Willd., Eur.  
 — var. *alba*.  
 — var. *Laucheana*.  
*plantaginea*, Willd., Eur.  
 — var. *alba*.  
 — var. *leucantha*, Boiss.  
*purpurea*, Koch., Eur.  
*sibirica*, Turcz., Siber.  
*vulgaris*, Willd., Eur.  
 — var. *rubra*.
- Arnica Chamissonis*, Less., N. Amer.  
*montana*, L., Eur.
- Arrhenatherum avenaceum*, Beauv., Eur.
- Artemisia annua*, L., S. E. Eur.  
*discolor*, Dougl., N. Amer.  
*glauca*, Pall., S. Russia, Siberia.  
 — var. *glabra*, Besser, Siberia.  
*Messerschmidtiana*, Besser, Siber.  
*parviflora*, Roxb., India.  
*vulgaris*, L., Eur.

- Arum italicum*, Mill., Eur.  
 orientale, Bbrst., Caucas, etc.
- Arundo conspicua* Forst., New  
 Zeal. (*Calamagrostis con-*  
*spicua*, Gmel.)
- Asarum canadense*, L., N. Amer.  
 europæum, L., Eur.
- Asparagus officinalis*, L., Eur.
- Asperugo procumbens*, L., Eur.
- Asperula azurea*, Jaub. & Spach.,  
 Syria.  
*hexaphylla*, All., Italy, etc.  
*longifolia*, Sibth., Thrace, etc.  
*tinctoria*, L., Eur.
- Asphodelus albus*, Willd., Eur.  
 — var. *æstivus*, (Brot.)  
*ramosus*, L., S. Eur.
- Aster acris*, L., Eur. (*Galatella*  
*acris* Nees.)  
 — var. *punctatus*, (DC.)  
*Bigelovii*, Gray, New Mexico.  
 (*A. Townshendii*, Hk. fil.)  
*corymbosus*, Ait., N. Amer.  
*Herveyi*, Gray, N. Amer.  
*lævis*, L., N. Amer.  
 — var. 2.  
*Linosyris*, Bernh., Eur.  
*longifolius*, Lam., N. Amer.  
*macrophyllus*, L., N. Amer.  
*Novi-Belgii*, L., N. Amer.  
 — var. *densus*, Hort., Kew.  
 — var. *niveus*, Hort., Kew.  
*patulus*, Lam., N. Amer.  
*prenanthoides*, Muhl., N.  
 Amer.  
*pseudo-amellus*, Hk. fil.,  
 Himal., 13,000 ft.  
*punicus*, L., N. Amer.  
 — var. *lucidulus*, Gray.  
 (*A. p. vimineus*, T. et Gr.)  
*pyrenæus*, Desf., Pyrenees.  
*Rudula*, Ait., N. Amer.  
*salicifolius*, Ait., N. Amer.  
 — var.  
*sibiricus*, L., Siberia, etc.  
*Shortii*, Hook., N. Amer.  
*spectabilis*, Ait., N. Amer.  
*Thomsoni*, Clarke, Himal.  
*tricephalus*, C. B. Clarke,  
 Himalayas.  
*trinervis*, Desf., Eur.
- Aster—cont.*  
 — var. *minor*. (*Galatella*  
*rigida*, Cass.)  
*umbellatus*, Mill., N. Amer.
- Asterolinum stellatum*, Link, Eur.
- Astilbe decandra*, Don., N. Carolina,  
 etc.  
*rivularis*, Don., E. Ind.
- Astragalus aduncus*, Willd., Caucas.  
*ægyptiacus*, Spr., Egypt.  
*boeticus*, L., Spain, Italy, &c.  
*chinensis*, L., China.  
*chlorostachys*, Ldl., Himal.  
*Cicer*, L., Eur.  
*falcatus*, Lam., Siberia.  
*glycyphyllus*, L., Eur.  
*sulcatus*, L., Siber., Taur.  
*thianshanicus*, Regl., Turkes.
- Astrantia Biebersteinii*, F. et M.,  
 Caucas.  
*helleborifolia*, Salisb. Caucas.  
 (*A. maxima*, Pall.)  
*major*, L., Eur., etc.  
 — var. *carinthiaca*, (Hoppe.)
- Atriplex hortensis*, L., N. Asia.  
 — var. *rubra*, Hort.  
*laciniata*, L. Eur., etc.  
*sibirica*, L., Siberia, (*Obione*  
*sibirica*, Fisch.)  
*tatarica*, L., Eur. (*A.*  
*oblongifolia*, W. et K.)
- Atropa Belladonna*, L., Eur.
- Aubrietia deltoidea*, DC., S. Eur.  
 — var. *græca*, (Griseb.)  
 — var. *grandiflora*.  
 — var. *purpurea*.  
 — var. *taurica*.
- Avellinia Michellii*, Parl., Eur.
- Avena alba*, Vahl., S. France, N.  
 Afr.  
*canariensis*, Nees., Teneriffe.  
*orientalis*, Schreb., S. Eur.  
*sativa*, L., S. Eur.  
*strigosa*, Schreb., Eur.
- Bahia lanata*, DC., N. Amer.  
 (*Eriophyllum cæspitosum*,  
 Dougl.)
- Baptisia australis*, R. Br., N. Amer.
- Barbarea intermedia*, Bor., Eur.  
*vulgaris*, R. Br., Eur.  
 — var. *variegata*.

- Beckmannia erucaformis*, Host.  
Eur., etc.
- Bellis sylvestris*, Cyril., Eur.  
— var. *hybrida*, Tenor.
- Berteroa incana*, DC., Eur. (= *Alyssum incanum*, L.)
- Beta maritima*, L., Eur.  
*trigyna*, W. et K., E. Eur.  
*vulgaris*, L., Eur., Afr., etc.
- Bidens humilis*, H. B. K., Chili.  
*leucantha*, Willd., N. Amer.,  
etc.  
*procera*, Don., Mexico.
- Biserrula Pelecinus*, L., S. Eur., etc.
- Biscutella ciliata*, DC., S. Eur.  
*didyma*, L., S. Eur.  
*erigerifolia*, DC., Spain.
- Blitum* (*see* *Chenopodium*).
- Blumenbachia Hieronymi*, Urban,  
S. Amer.  
*insignis*, Schrad., Monte Video.
- Bocconia cordata*, W., China.
- Boissiera Danthoniae*, A. Br., S.  
Eur.
- Boltonia latisquama*, Gray, N.  
Amer.
- Brachycome diversifolia*, F. et M.,  
Australia.
- Brachypodium distachyum*, R. et  
S., Medit.  
*gracile*, Beauv., Eur.  
*pinnatum*, Beauv., Eur.
- Brassica alba*, Boiss., Eur.  
*balearica*, Rich., Ins. Balear.  
*campestris*, L., Eur., etc.  
(*B. chinensis*, L.)  
— var. *cernua*, (Thunb.)  
— var. *serotina*.  
— var. *Shantung Cabbage*.  
*Cheiranthus*, Vill., S. Eur.  
*elata*, Ball., N. Afr.  
*Eruca*, L., S. Eur.  
*Erucastrum*, Vill., S. Eur.  
*nigra*, Koch, Eur.  
*oleracea*, L., Eur.  
— var. *capitata*.  
— var. *Jersey kale*.  
*Pollichii*, Shuttl.  
*Rapa*, L., Eur.
- Brassica—cont.*  
*rugosa*, Roxb., Thibet.  
*Tournefortii*, Gouan, Spain,  
etc.
- Braya alpina*, Sternb., Alps.
- Briza gracilis*, Hort.  
*maxima*, L., Eur.  
*minor*, L., Eur.  
*rufibarbis*, Hort.
- Bromus arvensis*, L., Eur.  
*Biebersteinii*, R. et S.,  
Caucas.  
*breviaristatus*, Thurb., N.  
Amer.  
*ciliatus*, L., N. Amer.  
(*B. canadensis*, Michx.,  
*B. purgans* L.)  
*erectus*, Huds., Eur., etc.  
*inermis*, L., Eur., etc.  
*madritensis*, L., Eur.  
*maximus*, Desf., Eur.  
— var. *Gussonii*, (Pari.)  
*mollis*, L., Eur., etc.  
— var. *glabrescens*, Coss.  
*patulus*, Mert., Eur.  
*propendens*, Jord., Eur.  
*purgans*, L., N. Amer.  
*sterilis*, L., Eur.  
*Taena*, Steud., Chili.  
*tectorum*, L., Eur., Asia.
- Bryonia dioica*, L., Eur.
- Bulbine annua*, Willd., Cape.
- Bunias orientalis*, L. Orient.
- Buphthalmum salicifolium*, DC.,  
Eur.
- Bupleurum Candollei*, Wall.,  
Himal.  
*longifolium*, L., Temp., Eur.  
*ranunculoides*, L., Eur.  
*rotundifolium*, L., Eur.
- Butomus umbellatus*, L., Eur.
- Calais* (*see* *Microseris*).
- Calamagrostis Epigeios*, Roth, Eur.  
*lanceolata*, Roth, Eur.  
*lapponica*, Trin., Eur.  
*varia*, Trin., Eur., etc.
- Calamintha Clinopodium*, Bth.,  
Eur.  
*grandiflora*, Lam., S. Eur.  
*umbrosa*, Reichb., S. Eur.

- Calandrinia glauca*, Schrad., Chili.  
*Menziesii*, Hook., Oregon.  
*pilosiuscula*, DC., Chili.  
*sericea*, Hook. et Arn., Chili.
- Calceolaria chelidonioides*, H.B.K.,  
 Chili.
- Calendula hybrida*, L., S. Eur.  
*officinalis*, L., S. Eur.
- Calepina Corvini*, Desv., S. Eur.
- Calliopsis* (*see* *Coreopsis*).
- Callirhoe linearibola*, Gray, Amer.
- Callistephus chinensis*, Nees.,  
 China.
- Caltha palustris*, L., Eur., etc.  
 — var. *minor*, Syme.  
*radicans*, Forster, Eur., etc.
- Camassia esculenta*, Ldl., N.  
 Amer.
- Camelina sativa*, Crantz, Eur., etc.
- Campanula alliarifolia*, Willd.,  
 Caucas.
- bononiensis*, L., Eur., etc.  
*carpathica*, L. fil., Carpath.  
 — var. *alba*.  
 — var. *turbinata*, (Schott.)  
*collina*, Bbrst., Caucas.
- Erinus*, L., Eur.
- glomerata*, L., Eur., etc.  
*lactiflora*, Bbrst., Caucas.  
 — var. *caerulea*.  
*latifolia*, L., Eur., etc.  
 — var. *macrantha*, (Fisch.)  
 — var. *versicolor*, (Sib. et Sm.)  
*persicifolia*, L., Eur., etc.  
 — var. *alba*.  
 — var. *maxima*.  
*rapunculoides*, L., Eur.
- Reuteriana*, B. et B., Orient.  
*rhomboidea*, L., Eur.  
*sibirica*, L., Eur., Asia.  
*Trachelium*, L., Eur.  
*vesula*, All., Pedem.
- Cannabis sativa*, L.
- Cardamine impatiens*, L., Eur.  
*Ludoviciana*, Hook., N. Amer.
- Carduus stenolepis*, (K. et K.),  
 Siber.
- Carex acuta*, L., Eur.  
*adusta*, Boott, N. Amer.  
*alata*, Torr., N. Amer.
- Carex—cont.*
- arenaria*, L., Eur.  
*baldensis*, L., Eur.  
*binervis*, Sm., Eur.  
*crinita*, Lam., N. Amer.  
*depauperata*, Good., Eur.  
*distans*, L., Eur.  
*divulsa*, Good., Eur.  
*flava*, L., Eur., etc.  
 — var. *Oederi*, (Ehrh.)  
*glauca*, Murr., Eur.  
*Grayii*, Carey, N. Amer.  
*Heleonastes*, Ehrh., Eur.  
*hordeiformis*, Whlbrg., Eur.  
 Cauc. (*C. hordeistichos*,  
 Vill.)  
*lagopodioides*, Schk., N. Amer.  
*Linkii*, Willd., Mediter.  
*multiflora*, Muhlbg., N. Amer.  
*ovalis*, Good., Eur.  
*paniculata*, L., Eur.  
*pendula*, Huds., Eur. (*C.*  
*maxima*, Scop.)  
*punctata*, Gaud., Eur.  
*remota*, L., Eur.  
*riparia*, Curtis, Eur.  
*sylvatica*, Huds., Eur.  
*vulgaris*, Fries, N. Amer., etc.  
*vulpina*, L., Eur.
- Carpoceras sibiricum*, Boiss., Siber.
- Carrichtera Vella*, DC., Eur.
- Carthamus lanatus*, L., S. Eur.
- Carum Carui*, L., Eur.  
*burjacticum*, Turcz., Siber.  
*rigidulum*, Koch., Italy.
- Castilleia indivisa*, Eng., Amer.
- Catabrosa aquatica*, Beauv., Eur.
- Catananche lutea*, L., Italy, etc.  
 — var. *alba*.
- Celsia Arcturus*, L., Crete, As.  
 Minor.  
*cretica*, L., Crete, N. Afr.  
 — var. *grandiflora*.
- Centaurea calocephala*, Willd., S.  
 Eur.
- Cyanus*, L., Eur.  
*cynaroides* (Less.), Pyrenees.  
*dealbata*, Willd., Caucas.  
*helenifolia* (G. et G.), S. Eur.  
*Jacea*, L., Eur., etc.  
*jurineifolia*, Boiss., S.E. Eur.

*Centaurea—cont.*

- macrocephala, M. et P.,  
Armenia.  
montana, L., Eur.  
— var. flore albo.  
nigra, L., Eur.  
obscura, Jord., Eur.  
pulchra, (F. et M.), Caucas.  
rigidifolia, Bess, Caucas.  
Scabiosa, L., Eur.  
— var. alba.  
— var. Olivieriana, (DC.)  
— var. purpurea.  
sonchifolia, L., Medit.
- Centranthus macrosiphon, Boiss.,  
Grenada.  
ruber, DC., Eur.  
— var. albus.
- Cephalaria procera, Fisch. et Mey.,  
Orient.  
tatarica, Schrad., Siberia.
- Cerastium arvense, L., Eur.  
— var. grandiflorum.
- Ceratocephalus (*see* Ranunculus).
- Ceratochloa unioides, DC., S.  
Eur. (Bromus unioides,  
H.B.K.)
- Cerinthe major, L., S. Eur.
- Chænostoma foetida, Benth., Cape.
- Chærophyllum aromaticum, Jacq.,  
S. Eur.  
bulbosum, L. var. Prescottii,  
DC., Eur.
- Chamaepeuce (*see* Cnicus).
- Charieis heterophylla, Cass, Cape.  
— var. rubra.
- Cheiranthus Cheiri, L., Eur.
- Chelidonium majus, L., Eur.  
— var. fl. pl.  
— var. laciniatum.
- Chelone glabra, L., N. Amer.  
Lyoui, Pursh, N. Amer.
- Chenopodium album, L., Eur.  
Bonus-Henricus, L., Eur.  
capitatum, S. Wats., Eur.  
(Blitum capitatum, L.)  
opulifolium, Schrad., Eur.  
Quinoa, L., S. Amer., etc.  
arabicum, L., Eur.

*Chenopodium—cont.*

- virgatum, Benth. et Hook.,  
S. Eur. (Blitum virgatum,  
L.)
- Chloris barbata, Sw., Ind., etc.  
elegans, H.B.K., Mexico.
- Chorispora tenella, DC., Cauc., etc.
- Chrysanthemum achilleae-folium,  
Bbrst., Cauc. (Pyrethrum  
achilleae-folium Bbrst.)  
Balsamita, L., Orient.  
— var. tomentosum.  
carinatum, Schousb., N.  
Afr.  
cinerariae-folium, Vis., Dal-  
matia. (Pyrethrum cine-  
rariae-folium, Trev.)  
coronarium, L., S. Eur.  
— var. album.  
— var. fl. pl.  
corymbosum, L., Eur. (Pyre-  
thrum Clusii, Fisch.)  
latifolium, Willd., Eur. (L.  
latifolium, DC.)  
maximum, DC., Pyrenees.  
macrophyllum, W. et K., Eur.  
(Pyrethrum macrophyllum,  
Willd.)  
Parthenifolium, Pers., Eur.  
(Pyrethrum parthenifolium,  
Willd.)  
— var.  
roseum, Adams, Caucas. (P.  
roseum, Bbrst.)  
segetum, L., Eur.  
Tchihatcheffii (Regel), Siber.  
(Pyrethrum.)  
uliginosum, Pers., Hungary.  
viscosum, Desf., Spain.
- Chrysogonum virginianum, L.,  
N. Amer.
- Cichorium Intybus, L., Eur.
- Cimicifuga racemosa, Nutt., N.  
Amer.
- Ciuna mexicana, Beauv., Mexico.
- Circaea lutetiana, L., Eur., etc.
- Cirsium (*see* Cnicus).
- Cistus platysepalus, Sweet.  
villosus, L., Mediter.  
— var. albicans.

- Clarkia pulchella*, Pursh, N. Amer.  
 — var. *alba*.  
*rhomboidea*, Dgl., N. Amer.  
 (*C. gauroides*, Hort.)
- Claytonia perfoliata*, Dou., N. Amer.  
*sibirica*, L., N. Amer.  
 (*C. alsinoides*, Sims.)
- Clematis alpina*, L., Eur. *alba*.  
 (*Atragene alpina*, L.)  
*integrifolia*, L., S. Eur.  
*montana*, Ham., Himalayas.  
*œchroleuca*, Ait., N. Amer.  
*orientalis*, L., Temp. Asia.  
 — var. *graveolens*, Lindl.  
*recta*, L., Eur., etc.  
 — var. *hispanica*, Hort.  
 — var. *pauciflora*.
- Clintonia* (*see* *Downingia*).
- Cnicus altissimus*, Willd., N. Amer.  
*conspicuus*, L., Mexico.  
*fimbriatus*, Bieb., Taurus.  
*heterophyllus*, Willd., Eur.  
 (*Cirsium heterophyllum*, All.)  
*Kotschyi*, Schultz.  
 (*Cirsium lanceolatum*, Scop.)  
*lanceolatus*, Willd., Eur.  
*monsessulanus*, L., S. Eur.  
 (*Cirsium monsessulanum*, All.)  
*strictus*, Tenore, Italy, etc.  
 (*Chamaepeuce stricta*, DC.)  
*syriacus*, Willd., Medit.
- Cochlearia anglica*, L., Eur.  
*danica*, L., Eur.  
*glastifolia*, L., S. Eur.  
*officinalis*, L., Eur.  
 — var. *alpina*, Wats.
- Colchicum byzantinum*, Ker., Transyl.  
*speciosum*, Stev., Caucas.
- Collinsia bicolor*, Benth., Calif.  
 — var. *multicolor*.  
*grandiflora*, Dougl., N. Amer.  
*parviflora*, Dougl., N. Amer.
- Collomia coccinea*, Lehm., Chili.  
*linearis*, Nutt., Calif.
- Couioselinum Fischeri*, Wimm, et Grab. Siber.
- Conringia perfoliata*, Link, Eur.
- Convallaria majalis*, L., Eur., Amer.  
 — var. *major*.  
 — var. *rosea*.
- Convolvulus tricolor*, L., Medit.  
 — var. *albus*, Hort.  
 — var. *striatus*, Hort.  
*undulatus*, Cav., Medit.
- Coreopsis Atkinsoniana*, Dougl., Amer.  
*auriculata*, L., N. Amer.,  
*cardaminefolia*, Torr. et Gray., Texas.  
*Douglasii*, B. et H., Calif.  
 (*Leptosyne Douglasii*, DC.)  
*tinctoria*, Mitt., N. Amer.  
 — var. *bicolor*.  
*trichosperma*, Michx., Amer.
- Coriandrum sativum*, L., Eur., etc.
- Corispermum hyssopifolium*, L., S. Eur.
- Coronilla vaginalis*, Lam., S. Eur.
- Cortusa Matthioli*, L., Eur.  
 — var. *grandiflora*.
- Corydalis capnoides*, Pers., S. Eur.  
*glauca*, Pursh., Unit. States.  
 — var. *rosea*.  
*lutea*, DC., S. Eur.  
*nobilis*, Pers., Siber.
- Cotula coronopifolia*, L., Eur.
- Cousinia Hystrix*, Meyer, Caucas.
- Crepis aculeata*, DC., Eur.  
*alpina*, L., Eur.  
*biennis*, L., Eur.  
*Candollei*, Spr., Eur.  
*pulchra*, L., Eur.  
*rubra*, L., S. Eur.  
*tectorum*, L. fil., Eur., Siberia.
- Crinum capense*, Herb., Cape.  
 — var. *riparium*, Herb.
- Crocus ærius*, Herb. Armenia,  
*aureus*, Sm., S. Eur.  
*asturicus*, Herb., Spain.  
*Balansae*, Gay., As. Minor.  
*bannaticus*, Heuffel, Transyl-  
 vania.  
*biflorus*, Mill., Tuscany, etc.  
 — var. *Pestalozzæ*, Boiss.  
 — var. *Weldeni*, Gay.  
*chrysanthus*, Herb., As. Minor.  
*Clusii*, Gay, Portugal.

*Crocus*—*cont.*

- corsicus*, Maw, Corsica.  
*dalmaticus*, Vis., Dalmatia.  
*etruscus*, Parl., Tuscany.  
*Korolkowii*, Regel. et Maw.,  
 Turkestan.  
*longiflorus*, Rafin., S. Italy.  
*medius*, Balbis, Riviera.  
*pulchellus*, Herb., Turkey.  
*reticulatus*, Bbrst., Caucas,  
 etc.  
*Sieberi*, Gay, Greece, etc.  
*speciosus*, Bbrst., Caucas., etc.  
*suaveolens*, Bert., C. Italy.  
*Tommasinianus*, Herb., Dal-  
 mat.  
*vernus*, All., C. Eur.  
 — var. *albiflorus*, Gay.  
*versicolor*, Ker, Marit. Alps.  
*zonatus*, Gay, Cilicia.
- Crucianella*  
*ægyptiaca*, L., Egypt.  
*græca*, Boiss., S. Eur.
- Cryptostemma calendulaceum*,  
 R.Br., Cape.  
 — var. *hypochondriacum*,  
 (R.Br.)
- Cucubalus baccifer*, L., Eur.
- Cuphea lanceolata*, Ait., Mexico.  
 (C. *silenoides*, Nees.)  
*viscosissima*, Jacq., Amer.  
*Zimapani*, Roezl, Mexico.  
 (C. *silenoides*, var. *Zimapani*,  
 Hort.)
- Cuscuta monogyna*, Vahl., Eur.,  
 etc. (C. *lupuliformis*, Krock.)
- Cyananthus lobatus*, Wall., Himal.
- Cynodon Dactylon*, L., Cosmop.
- Cynoglossum furcatum*, Wall., Ind.  
*micranthum*, Desf., China.  
*officinale*, L., Eur.  
*pictum*, Ait., S. Eur.
- Cynosurus cristatus*, L., Eur.
- Cysticapnos africanus*, Gærtn.,  
 Cape.
- Cyzackia Liliastrum*, Andrz., S.  
 Eur.
- Dactylis glomerata*, L., Eur., etc.
- Dahlia coccinea*, Cav., Mexico.  
 (D. *Cervantesii*, Lag.)  
*Merckii*, Lehm., Mexico.  
 — var. (D. *glabrata*, Lindl.)

- Datura fastuosa*, L., S. Amer.  
 — var. *rubra*.  
*ferox*, L., Ind., China.  
*levis*, L. fil., Africa.  
*Stramonium*, L., Eur.  
*Tatula*, L., Eur., etc.  
 — var. *gigantea*.
- Daucus Carota*, L., Eur., etc.  
*hispidus*, Desf., Eur., N. Afr.
- Delphinium Ajacis*, Reichb., S.  
 Eur.  
*azureum*, Michx., N. Amer.  
*Brunonianum*, Royle., Himal.  
*caucasicum*, L., Caucas.  
*cheilanthum*, Fisch., Siberia.  
 — var. *bifidum*.  
 — var. *elongatum*.  
*crassifolium*, Schrad., Cauc.  
*elatum*, L., Eur., etc.  
 — garden varieties.  
 — var. *intermedium*.  
*formosum*, Boiss. et H.,  
 Armenia.  
*grandiflorum*, L., China, etc.  
 (D. *chinense*, Fisch.)  
 — var.  
*Kashmirianum*, Royle., Himal.  
*nudicaule*, Torr. et Gr.,  
 Calif.  
*triste*, Fisch., Siberia.  
*vestitum*, Wall., Himal.
- Deschampsia cæspitosa*, Beauv.,  
 Eur. (Aira *cæspitosa*, L.)  
 — var. *vivipara*.  
*flexuosa*, Trin., Eur. (Aira  
*flexuosa*, L.)
- Desmodium canadense*, DC., N.  
 Amer.
- Dianthus arenarius*, L., Eur.  
*atrorubens*, All., Eur.  
*Balbisii*, Ser., Eur.  
*barbatus*, L., Eur.  
*cæsius*, Sm., Eur.  
 — var.  
*calocephalus*, Boiss., Greece.  
*campestris*, Bbrst., Taur.  
*cruentus*, Griseb., S. Eur.  
*deltoideus*, L., Eur.  
*dentosus*, Fisch., Siberia.  
*fragrans*, Bbrst., Caucas.  
*plumarius*, L., Eur.  
 — var. *albus*.  
 — var. *serotinus*.

*Dianthus*—cont.

- Requienii*, G. et G., S. Eur.  
*sanguineus*, Vis., Alps, etc.  
*Scheuchzeri*, Rchb., Eur.  
*Seguieri*, Vill., Eur.  
 — var. *collinus*, (W. & K.)  
*Diarrhena americana*, Beauv.,  
 Amer.  
*Dictamnus albus*, L., W. Eur., Jap.  
 (D. *Fraxinella*, Pers.)  
 — var. *purpureus*.  
*Digitalis ambigua*, Murr., (D.  
*grandiflora*, Lam., D.  
*ochroleuca*, Jacq.), Eur.  
*purpurea*, L., Eur.  
 — var. *alba*, Hort.  
*Digitaria ciliaris*, Pers., Cosmopol.  
*Dioscorea japonica*, Thunb., Japan.  
*Diplotaxis eruroides*, DC., Mediter.  
*Dipsacus asper*, Wall., Himal.  
*ferox*, Loisl., Corsica.  
*sylvestris*, L., Eur.  
*Dischisma arenarium*, C. A. Mey.,  
 Cape.  
*Dodecatheon Meadia*, L., N. Amer.  
 — var. *splendidum*.  
*Doronicum caucasicum*, Bbrst.,  
 Cauc., etc.  
*Pardalianches*, L., Eur.  
 — var. *glabrum*, Hort.  
 — var. *grandiflorum*.  
 — var. *minor*.  
*Doryenium ibericum*, Willd.,  
 Caucas, etc.  
*Downingia elegans*, Torr., Calif.  
*Draba aizoides*, L., Eur.  
*aurea*, Vahl, Greenland.  
*borealis*, DC., Isl. of St. Paul.  
*brunifolia*, Stev., Caucas.  
*carinthiaca*, Hopp., Eur.  
*chamæjasme*, Griseb., Eur.  
*fadnicensis*, Wulf., Carniol.  
 — var. *corymbosa*, Wats.  
 (D. *corymbosa*, R.Br.)  
*frigida*, Saut., Alps, Eur.  
*hirta*, L., N. Eur.  
*hispanica*, Boiss., Spain.  
*incana*, L., Eur.  
 — var. *conforta*.  
*lapponica*, Willd., Eur.  
*lasiocarpa*, Reichb., S. Eur.

*Draba*—cont.

- laxa*, Lindlb., Eur.  
*verna*, L., Eur., N. Amer.  
*Dracocephalum Moldavica*, L.,  
 Siber., etc.  
*nutans*, L., Siberia.  
*parviflorum*, Nutt., N. Amer.  
*peregrinum*, L., Siberia.  
*Dryas octopetala*, L., Eur., Amer.  
 — var. *Druumondii*, Wats.  
*Drymaria cordata*, Willd., S. Amer.  
*Echinops ruthenicus*, Reichb., S.  
 Eur.  
 — var.  
*sphaerocephalus*, L., Eur.  
 — var. *giganteus*.  
*xanthocanthus*, Hort.  
*Elsholtzia cristata*, Willd., S. Eur.  
*Elymus canadensis*, L., N. Amer.  
 — var. *glaucofolius*, Gray.  
*sabulosus*, Bbrst., Tauria.  
*sibiricus*, L. Siber.  
*virginicus*, L., N. Amer.  
*Eucelia subaristata*, Gray., N. Amer.  
*Epilobium angustifolium*, L., Eur.  
 — var. *album*.  
 — var. *major*.  
*Billardierianum*, Sering., N.  
 Zeal.  
*hirsutum*, L., Eur.  
*Lamyi*, Schultz, S. Eur.  
*mexicanum*, Moc., Mexico.  
*nummulariaefolium*, A. Cunn.,  
 N. Zeal.  
 — var. *longipes*.  
*rosmarinifolium*, Hænke, Eur.  
 — var. *Fleischeri*, (Hochst.)  
 — var. *sericeum*.  
*roseum*, Schreb., Eur., etc.  
*Eranthis hyemalis*, Salisb., Eur.  
*Eremostachys laciniata*, Bnge,  
 W. Asia.  
*Eremurus altaicus*, Stev., Caucas.  
*Bungei*, Baker., Orient.  
*spectabilis*, Bbrst., Caucas.  
*Erianthus strictus*, Baldw., N.  
 Amer.  
*Erigeron aurantiacum*, Regcl.,  
 Turkestan.  
*bellidifolius*, Muhl., N. Amer.  
*glabellus*, Nutt., N. Amer.



- Erigeron*—*cont.*  
*macranthus*, Nutt., N. Amer.  
*mucronatus*, DC., Mexico.  
*philadelphicus*, L., N. Amer.  
*speciosus*, DC., N. Amer.  
 (Stenactis speciosa, Ldl.)  
*strigosus*, Muhlb., N. Amer.
- Erinus alpinus*, L., Eur.  
 — *albus*.
- Eriosynaphe tortuosa*, Fisch. et  
 Mey., Siber.
- Eritrichium strictum*, Dcne., HIMAL.
- Erodium cicutarium*, L'Herit., Eur.  
*macradenium*, L'Herit., Alps.  
*moschatum*, L'Her., Eur.
- Eryum lens*, L., Eur., etc.
- Eryngium Bourgati*, Gouan, Pyren.,  
 etc.  
*giganteum*, Bbrst., Caucas.  
*macrocalyx*, Schrb., Songaria.  
*maritimum*, L., Eur.  
*Olivieranum*, Delar. Caucas.  
*planum*, L., S. Eur., etc.  
*rigidum*, Lam., S. Eur.  
 Serra, Chmss., Brasil.
- Erysimum asperum*, DC., N. Amer.  
*aureum*, Bieb., S. Russia.  
*Marshallianum*, Andr., Siber.  
*Perowskianum*, Fisch. et Mey.,  
 Caucas.  
*rupestre*, DC., Asia Minor.
- Erythraea Centaurium*, Pers., Eur.  
*diffusa*, Woods, Azores.  
*grandiflora*, Biv., Eur.  
*pulchella*, Fries, Eur.
- Eschscholtzia californica*, Cham.,  
 Calif.  
 — *var. alba*.  
 — *cæspitosa*, Brewer.  
 (E. tenuifolia, Bth.)
- Eucharidium concinnum*, F. et M.,  
 Calif.  
 — *var. grandiflorum*.
- Eupatorium ageratoides*, L., N.  
 Amer. (E. Fraseri, Hort.)  
*cannabinum*, L., Eur., Cauc.  
*purpureum*, L., N. Amer.
- Euphorbia heterophylla*, L., Ind.,  
 etc.  
*Lagasce*, Spr., Spain.  
*Lathyris*, L., Eur.
- Euphorbia*—*cont.*  
*medicaginea*, Boiss., Spain.  
*Myrsinites*, L., Eur.  
*palustris*, L., Eur.  
*segetalis*, L., S. Eur.  
*thamnoides*, Boiss., Syria.  
 — *var. Hierosolymitana*,  
 Boiss., Syria.
- Fagopyrum tataricum*, Gaertn.,  
 Ind.
- Fedia Cornucopiæ*, Vahl., S. Eur.
- Ferula communis*, L., Eur.  
*Ferulago*, L., S. Eur., N. Afr.  
*Narthex*, Boiss., Asia.  
*tingitana*, L., N. Afr.
- Festuca arundinacea*, Schreb., Eur.  
 (F. decolorans, Mert.)  
*ciliata*, Danth., S. Eur.  
 (Vulpia ciliata, Link.)  
*duriuscula*, L., Eur., Amer.  
*elator*, L., Eur., etc.  
 — *var. pratensis*, (Huds.)  
*elegans*, Boiss., Spain.  
*Halleri*, All., S. Eur.  
*heterophylla*, Haenke, Eur.  
*Myurus*, L., Eur. (Vulpia  
 Myurus, Gmel.)  
*ovina*, L., Eur.  
*rigida*, Kunth, Eur. (Sclero-  
 rochloa rigida, Panzer.)  
*rubra*, L., Eur.  
*sciuroides*, Roth, Eur. (Vulpia  
 bromoides, Link, F.  
 bromoides, L.)  
*scoparia*, Kern., Pyren.
- Fœniculum vulgare*, Gaertn., Eur.
- Forskohlea tenacissima*, L., Egypt.
- Francoa ramosa*, Cav., Chili.  
 (F. picturata, Van Houtte.)
- Fritillaria imperialis*, L., Eur.  
*Meleagris*, L., Eur.  
 — *var. alba*.  
*pontica*, Wabl., Bithynia.  
*tenella*, Bbrst., Caucas.
- Fumaria densiflora*, DC., Eur.  
 — *var. (micrantha, Lag.)*  
*major*, Bad., Eur. (F. media,  
 DC.)  
*officinalis*, L., Eur.  
*parviflora*, Lam., Eur.  
*Vaillantii*, Loisel., Eur.

- Funkia lancifolia*, Spr., Japan.  
 — var. *albo-marginata*, Hort.  
*ovata*, Spr., Japan.  
*Sieboldiana*, Lodd., Japan.  
*subcordata*, Spr., Japan.  
 ( *F. grandiflora*.)
- Galatella* (*see Aster*).
- Galax aphylla*, L., N. Amer.
- Galega orientalis*, Lam., Orient.  
 — var.
- Galeopsis ochroleuca*, Lam., Eur.  
*pyrenaica*, Bartl., Pyren.  
*versicolor*, Curt., Eur.
- Galinsoga brachystephana*, Regel,  
 S. Amer.  
*parviflora*, Cav., Amer.
- Galium boreale*, L., Eur.  
*Lapeyrousianum*, Jord.,  
 Pyren.  
*Mollogo*, L., Eur.  
*parisicuse*, L., Eur.  
 — var. *leiocarpum*.  
*recurvum*, Reg., Greece.  
*rubrum*, Scop., S. Eur.  
*saccharatum*, All., Eur.  
*tenuissimum*, Bbrst., Cauc.  
*tricornis*, With., Eur.  
*tyrolense*, Willd., Tyrol.  
*uliginosum*, L., Eur.  
*verum*, L., Eur.
- Gastridium triaristatum*, Dur.,  
 Algeria.
- Gaura Lindheimeri*, Eng. et. Gray.,  
 Amer.  
*tripetala*, Cav., Amer.
- Gentiana asclepiadea*, L., S. Eur.  
 — var. *alba*.  
*cruciata*, L., Eur. Siber.  
*lutea*, L., Eur.  
*septemfida*, Pall., Caucas.  
 ( *G. gelida*, Hort.)  
*tibetica*, King, Himal.  
 ( *G. macrophylla*, Hort.)  
*verna*, L., Eur.
- Geranium albiflorum*, Ledeb., Siber.  
*armenum*, Boiss., Orient.  
*carolinianum*, L., N. Amer.  
*cristatum*, Steven., Caucas.  
*disssectum*, L., Eur.
- Geranium—cont.*  
*Endressi*, Gay, Pyrenees.  
*gracile*, Schrad., Siberia.  
*lucidum*, L., Eur.  
*molle*, L., Eur.  
*rotundifolium*, L., Eur.  
*sanguineum*, L., Eur.  
*striatum*, L., Italy.  
*sylvaticum*, L., Eur.
- Geum atlanticum*, Desf., N. Afr.  
*hispidum*, Fr., Spain.  
*macrophyllum*, Willd., Siber.  
*montanum*, L., Alps, Eur.  
*pyrenaicum*, Ram., Pyrenees.  
*rivale*, L., Eur.  
*tyrolense*, Host, Tyrol.  
*urbanum*, L., Eur., etc.
- Gilia achilleæfolia*, Bth., Calif.  
*androsacea*, Steud., Calif.  
 ( *Leptosiphon androsaceus*  
 Bth.)  
*capitata*, Dougl., Calif.  
*incisa*, Benth., Calif.  
*inconspicua*, Dougl., Calif.  
*laciniata*, B. et P., Chili, Peru.  
*micrantha*, Steud., Calif.  
 ( *G. luteus*, Benth.)  
*squarrosa*, Hook, et. Arn.,  
 Amer.  
*tricolor*, Benth., Calif.  
 — var. *alba*.
- Glaucium corniculatum*, Curt., S.  
 Eur.  
 — var. *rubrum*, Hort.  
*flavum*, Crantz., Eur. ( *G.*  
*luteum*, Scop.).
- Globularia trichosantha*, Fisch. et  
 Mey., Orient.
- Glyceria elongata*, Trin., N. Amer.  
*maritima*, Vahl, Eur.  
*remota*, Fr. Eur.  
 ( *G. norvegica*, Smf.)
- Gnaphalium indicum*, L., India.
- Godetia* (*see Cœnothera*).
- Gypsophila paniculata*, L., Siberia.  
 Rokejeka, Del., Egypt.
- Hablitzia tamnoides*, Bbrst.,  
 Caucas.
- Halogeton monandrus*, Meyer.,  
 Siber.
- Harpæcarpus* (*see Madia*).

- Hebenstreitia dentata*, Thunb., Cape.  
 — var. *integrifolia*, L.  
*tenuifolia*, Schrad., Cape.
- Hedypnois* (see *Rhagadiolus*).
- Hedysarum boreale*, Nutt., N. Amer.  
*denticulatum*, Regel.  
*microcalyx*, Baker, Himal.  
*neglectum*, Ledb., Altai.  
*obscurum*, L., Eur.
- Helenum autumnale*, L., N. Amer.  
 — var. *pumilum*, Gray.  
 — var. 2.  
*Hoopesii*, Gray, N. Amer.
- Helianthemum ægyptiacum*, Mill., Egypt, etc.  
*formosum*, Dunal, Eur.  
*marifolium*, Mill., Eur.  
 (Rhodax, Steud.)  
*polifolium*, Mill., Eur.  
*vulgare*, Gærtn., Eur.  
 — var.  
 — var. *roseum*, DC.  
 — var. *rhodanthum*, (Dunal.)  
 — var. *tomentosum*, (Dunal.)
- Helianthus annuus*, L., N. Amer.  
*argophyllus*, Torr, et Gray., Amer.  
*decapetalus*, L., N. Amer.  
 — var. ? *multiflorus*, Gray.  
*giganteus*, L., N. Amer.  
*mollis*, Lam., N. Amer.
- Helichrysum bracteatum*, Willd., Austral.  
 — var. *album*.  
 — var. *luteum*.  
*orientale*, DC., Orient.
- Heliophila amplexicaulis*, L. fil., Cape.  
*araboides*, Sims, Cape.  
 (H. pilosa, Lam.)  
*crithmifolia*, Willd., Cape.
- Heliopsis levis*, Pers., N. Amer.  
 — var. *grandiflora*.
- Helipterygium corymbiferum*, Schl., N. Zeal.  
*Manglesii*, Bth., Austral.  
 (Rhodanthe Manglesii, Ldl.)  
*Milleri*, Hort., Australia.  
*roseum*, Benth., Australia.  
 (Acroclinium roseum, Hk.)
- Helleborus colchicus*, Regel, Levant.  
*fœtidus*, L., Eur., etc.  
*guttatus* × *colchicus*, hybrid.  
*intermedius*, Guss., Calabria.  
*orientalis*, Lam., Greece.  
 — var. *roseus*.
- Helonias bullata*, L., N. Amer.  
 — var. *latifolia*.
- Hemerocallis Dumortieri*, Morren, Japan (H. Sieboldii, Hort.)  
*flava*, L., S. Eur.  
*fulva*, L., S. Eur., etc.  
 — var. *Kwanso*, Regel.  
*minor*, Mill, Siberia.
- Heracleum Panaces*, L., S. Eur.  
*pubescens*, Bbrst., Cauc., etc.  
 — var. *gummiferum*, (Willd.)  
*Sprengelianum*, W.A., Ind. Or.  
*villosum*, Fisch., Russia.  
 — var. *giganteum*, Hort.
- Hesperis matronalis*, L., Eur., Siber.
- Heuchera americana*, L., N. Amer.  
*Drummondii*, Hort.  
*hispidula*, Pursh, N. Amer.  
 (H. Richardsonii, R. Br.)  
*pubescens*, Pursh, N. Amer.  
*ribifolia*, J. et L., N. Amer.
- Hibiscus Trionum*, L., Cosmopol.  
 (H. africanum, Hort.)
- Hieracium amplexicaule*, L., Eur.  
*aurantiacum*, L., Eur.  
*auricula*, L., Eur.  
*compositum*, Lap., Pyrenees.  
*flexuosum*, W. et K., Eur.  
*lapsanoides*, Lap., Pyrenees.  
*longifolium*, Schleich., Switzerl.  
*maculatum*, Sm., Eur.  
 — var. *Moëanum*, Lindb., Norway.  
*pallidum*, Biv., Eur.  
*Pilosella*, L., Eur.  
*pratense*, Tausch., Eur.  
*prenanthoides*, Vill., Eur.  
 — var. *riphæum*, Uechtr.  
*saxatile*, Jacq., S. Eur.  
*stoloniflorum*, W. et K., S. Eur.  
*villosum*, L., Eur.  
*vulgatum*, Fries, Eur.

- Hierochloe borealis*, Roem. et Schult., Eur.
- Holcus lanatus*, L., Eur.  
mollis, L., Eur.  
— var. *variegatus*.
- Homogyne alpina*, Cass., Eur.
- Hordeum jubatum*, L., N. Amer.  
murinum, L., Eur.  
pratense, Huds., Eur.
- Hornium pyrenaicum*, L., Pyren.
- Hotcia* (see *Astilbe*).
- Humulus japonicus*, S. et Z., Japan.
- Hutchinsia gracilis*, Hort.
- Hyacinthus amethystinus*, L., Spain.  
dubius, Guss., S. Eur.  
romanus, L., S. Eur., etc.  
(*Bellevalia romana*, Reichb.)
- Hydrophyllum canadense*, L., N. Amer.  
virginicum, L., N. Amer.
- Hymenophyllum pubescens*, Meyer., Siber.
- Hyoscyamus niger*, L., Eur.  
— var. *albus*, Hort.  
orientalis, Brst., Cauc.
- Hypocoum procumbens*, L., S. Eur.
- Hypericum elatum*, Ait., N. Amer.  
perforatum, L., Eur., China.  
Richeri, Vill., Eur.  
— var. *Burseri*, Spr.
- Hypochaeris ætensis*, Ces. et Pass., Medit.  
(*Metabasis ætensis*, DC.)  
arachnoidea, Poir., N. Afr.
- Iberis amara*, L., Eur.  
Garrexiana, All., Pyrenees.  
Lagascana, DC., Spain.  
pectinata, Boiss., Spain.  
saxatilis, L., Eur.  
sempervirens, L., Eur.  
umbellata, L., S. Eur.  
— var. *carnea*.
- Impatiens parviflora*, DC., Siberia, etc.  
Roylei, Walp., Himal.  
— var.
- Inula bifrons*, L., Eur.  
Bubonium, Jacq., Eur., etc.  
ensifolia, L., Eur., etc.  
grandiflora, Willd., Caucas., etc.  
glandulosa, Willd., Caucas.  
graveolens, Desf., Eur.  
Helenium, L., Eur.  
hirta, L., Eur.  
Hookeri, Clarke, Himal.  
montana, L., Eur.  
salicina, L., Eur.  
Vaillantii, Vill., Eur.
- Ionopsidium acaule*, Rchb., Eur.
- Iris Fieberi*, Seidl., Eur.  
graminea, L., Eur.  
— var. *latifolia*, Spach., France.  
Guldenstädtiana, Lepech., Siber.  
longipetala, Herb., Calif.  
neglecta, Horn., Eur., vars.  
ochroleuca, L., Siber. (I. gigantea, Carrière.)  
Pseudacorus, L., Eur., etc.  
— var. *acoriiformis*, (Bor.)  
— var. *Bastardi*, (Bor.)  
setosa, Pallas, Siberia.  
— var. *atropurpurea*.  
sibirica, L., Eur., Siberia.  
— var. *acuta*, (Willd.)  
— var. *alba*, Hort.  
spuria, L., Cent. Eur., etc.  
— var. *desertorum*, (Ker.)  
— var. *nothia*, (Brst.)  
— var. *sogdiana*, Baker., Cent. Asia.  
squalens, L., Eur.  
Statellæ, Todaro, Eur.  
Tolmieana, Herb., N. Amer.  
versicolor, L., N. Amer.  
virginica, L., N. Amer.
- Isatis tinctoria*, L., Eur., etc.
- Isopyrum fumarioides*, L., S. Eur.
- Iva xanthiifolia*, Nutt., N. Amer.  
(*Cyclachæna xanthiifolia*, Fres.)
- Jasione montana*, L., Eur.  
perennis, L., Eur.
- Juncus balticus*, Willd., Eur.  
Chamissonis, Benth., S. Amer.  
compressus, Jacq., Eur.  
conglomeratus, L., Eur.  
glaucus, Ehrh., Eur.

- Juncus—cont.**  
*platycaulis*, H. B.K.S., Amer.  
*supinus*, Moench., Eur.  
*tenuis*, Willd., Eur.  
*trifidus*, L., Eur.
- Knautia (see Scabiosa).**
- Kniphofia aloides**, Moench., Cape.  
 — var. *grandis*.  
 — var. *longiscapa*.  
*hybrida*, Hort.  
*Macowani*, Baker, Cape.
- Koeleria cristata**, Pers., Eur.
- Koelpinia (see Rhagadiolus).**
- Lactuca angustana**, All., S. Eur.  
*lactucaria*, Jacq., Eur.  
*Plumieri*, Gren. et Godr., S. Eur.  
*sativa*, L., Eur., Cult.  
*Scariola*, L., Eur.  
*undulata*, Ledeb., Siberia.
- Lagurus ovatus**, L., Eur.
- Lallemantia peltata**, Fisch. et Mey.,  
 Caucas.  
*Royleana*, Bth., Turkest., etc.
- Lamium garganicum**, L., S. Eur.  
*maculatum*, L., Eur.
- Laportea canadensis**, Gaud., N.  
 Amer.
- Lapsana communis**, L., Eur.
- Lasthenia glaberrima**, DC., Amer.
- Lathraea Squamaria**, L., Eur.
- Lathyrus angulatus**, L., S. Eur.  
*Aphaca*, L., Eur.  
*articulatus*, L., S. Eur.  
*aureus*, Benth. et Hook., Taur.  
 (Orobis aureus, Stev.)  
*Clymenum*, L., S. Eur.  
 (O. Jordani, Tenore.)  
*filiformis*, Lam., S. Eur.  
*lathyroides*, B. et H., Siber.  
 (O. lathyroides, L.)  
*macrorrhizus*, Wimm., Eur.  
*niger*, Wimm., Eur.  
 (O. niger, L.)  
*Ochrus*, L., Eur.  
*pratensis*, L., Eur.  
*pisiformis*, L., Siberia, etc.  
*rotundifolius*, Willd., Caucas.  
*sativus*, L., Eur.  
 — var. *albus*.  
*sphaericus*, Retz., Eur.
- Lathyrus—cont.**  
*sylvestris*, L., Eur.  
 — var. *platyphyllus*, (Retz.)  
 Nym.  
*tenuifolius*, Desf., Eur., etc.  
*tingitanus*, L., N. Afr.  
 — var. *atropurpureus*.  
*variegatus*, B. et H., Pyrenees.  
 (O. variegatus, Lap.)  
*varius*, B. et H., S. Eur.  
 (O. varius, Sims.)  
*venosus*, Muhl., N. Amer.  
 — var.  
*vernus*, Bernh., Siber.  
 (O. vernus, L.)  
 — var. *flaccidus* (Kit)
- Lavatera thuringiaca**, L., Eur., etc.  
*trimestris*, L., Medit.  
 — var. *alba*.
- Layia elegans**, Torr et Gr., Calif.  
*heterotricha*, Gray, Calif.  
 (Callichroa platyglossa,  
 Fisch. et Mey.)
- Leontopodium alpinum**, Cass., Eur.
- Leonurus Cardiaca**, L., Eur.  
*sibiricus*, L., Siber. China.
- Lepidium cordatum**, Willd., Siber.  
*incisum*, Roth, Eur.  
*Menziesii*, DC., N. Amer.  
*sativum*, L., Eur.  
*virginicum*, L., N. Amer.
- Leptosiphon (see Gilia).**
- Leptosyne (see Coreopsis).**
- Lepturus subulatus**, Kunth., S.  
 Eur.
- Leucoium æstivum**, L., Eur., etc.
- Levisticum officinale**, Koch., Eur.
- Liatrix spicata**, Willd., N. Amer.
- Libanotis montana**, Crantz, Eur.  
*sibirica*, Koch., Eur., etc.
- Ligularia (see Senecio).**
- Ligusticum alatum**, Spr., Caucas.  
*Segneri*, Koch., S. Eur.
- Limnanthes Douglasii**, R. Br.,  
 Atac.  
 — var. *grandiflora*.
- Linaria anticaria**, Boiss., Spain.  
*aparinoides*, Steud., Atlas.  
 — var. *aureo-purpurea*, Regel.

*Linaria—cont.*

- bipartita*, Willd., N. Afr.  
 — var. *versicolor*, Hort., Kew.  
*capraria*, M. et D., Italy.  
*minor*, Desf., Eur., N. Afr.  
*purpurea*, L., Eur., etc.  
*repens*, Mill., Eur.  
*saxatilis*, DC., S. Eur.  
*spartea*, Hoffm., S. Eur.  
*triphylla*, Willd., S. Eur.  
*tristis*, Mill., S. Eur.

*Lindelofia spectabilis*, Lehm.,  
 Himal.

- Linum alpinum*, L., Eur. (L.  
*Leonii*, Schultz.)  
*angustifolium*, L., Eur.  
*catharticum*, L., Eur.  
*corymbiferum*, Desf., Atlas.  
*flavum*, L., Eur.  
 (L. *campanulatum*, Hort.)  
*gallicum*, L., S. Eur.  
*grandiflorum*, Desf., Algiers.  
*perenne*, L., Eur., etc.  
 — *Lewisii*, (Muhlbg.)

*Lithospermum prostratum*, Loisel.,  
 Eur.

- Loasa hispida*, L., Peru.  
*prostrata*, Gill, Chili.  
*volcanica*, Andr., New Gren.  
 (L. *Wallisii*, Hort.)

- Lobelia decumbens*, Rich.,  
 Erinus, L. Cape.  
*inflata*, L., N. Amer.  
*syphilitica*, L., N. Amer.

*Lueflingia hispanica*, L., Eur.

- Lolium perenne*, L., Eur.  
 — var. *italicum*, (Braun.)

*Louisa inodora* Gaertn., Sicily.  
 (L. *Athanasia annua*, L.)

*Lopezia coronata*, Andr., Mexico.  
 (L. *minuta*, Hort.)

- Lophanthus anisatus*, Bth., N.  
 Amer.  
*chinensis*, Benth., China, etc.

*Lophospermum scandens*, Don.,  
 Mexico.

- Lotus aristatus*, DC., S. Eur.  
*conjugatus*, L., Eur. (Tetra-  
 gonolobus).  
*corniculatus*, L., Eur.  
*edulis*, L., Eur.

*Lotus—cont.*

- ornithopodioides*, L., Eur.  
*tenuis*, W. et K., Eur., etc.  
*tetragonolobus*, L., S. Eur.  
 (Tetragonolobus *purpureus*,  
 Moench.)

*Lunaria annua*, L., Eur.  
*rediviva*, L., S. Eur.

- Lupinus angustifolius*, L., S. Eur.  
 — var. *macrocarpus*, Hort.  
*arboreus*, Sims, N. Amer.

— var.  
*Cosentini*, Guss., Greece, etc.  
*elegans*, H. B. K., Mexico.  
*Hilariensis*, Benth., Brazil.  
*luteus*, L., France, etc.  
*micranthus*, Dougl., N. Amer.  
*nootkatensis*, Don, N. Amer.  
*polyphyllus*, Ldl., N. Amer.  
 — var.  
 — var. *densus*.  
*varius*, L., Eur.

*Luzula angustifolia*, Poir., Carolina.  
*campestris*, DC., Eur.  
*nivea*, Desv., Alps, etc.

- Lychnis alba*, Mill., Eur.  
 (L. *vespertina*, Sibth.)  
*alpina*, L., Eur.  
*chalcedonica*, L., E. Eur., etc.  
 — var. *alba*.

*Coronaria*, Desv., S. Eur.  
*Coronaria* × *Flos-jovis*, Hort.  
*corsica*, Loisel., Eur.  
*diurna*, Sibth., Eur.  
*diurna* × *alba*, Hort.

*Flos-jovis*, Desv., S. Eur.  
*Githago*, Lam., Eur. (Agros-  
 temma *Githago*, L.)  
*Haageana*, Lemaire, Japan.  
 — var. *hybrida*.

— var. *nana*.  
*læta*, Ait., S. Eur., etc.  
*oculata*, Ldl., Levant.  
 — var. *elegans*.  
*Viscaria*, L., Eur.  
 — var. *alba*.

*Lycopersicum esculentum*, Mill.,  
 S. Amer.

*Lycopus exaltatus*, L. fil., Eur., etc.

- Lysimachia ciliata*, L., N. Amer.  
*Ephemerum*, L., France, etc.  
*punctata*, L., Eur.  
*vulgaris*, L., Eur.

- Lythrum Salicaria*, L., Eur.  
 — var. *roseum*.  
 — var. *tomentosum*, (Mill.)  
*virgatum*, L., Eur.
- Malva sativa*, Molina., Oregon,  
 Calif.  
 — var.  
 — var. *congesta*, T. et Gr.  
 — var. *racemosa*, Gray. (M.  
*mellosa*, Jacq.)
- Malcolmia africana*, R.Br., S. Eur.,  
 N. Afr.  
*Chia*, DC., Greece.  
*littorea*, R.Br., S. Eur.  
*maritima*, R.Br., S. Eur., etc.
- Malope trifida*, Cav., N. Afr.  
 — var. *alba*.
- Malva Alcea*, L., Eur.  
 — var. *Morenii*, (Poll.)  
*cretica*, Cav., S. Eur.  
*crispa*, L.  
*Duriazii*, Spach., Eur.  
*moschata*, L., Eur.  
*parviflora*, L., Eur.  
*rotundifolia*, L., Eur.  
*sylvestris*, L., Eur., etc.  
*verticillata*, L., Eur.  
 (M. *glomerata*, Hort.)
- Malvastrum limense* (L.) Chili.
- Marrubium peregrinum*, L., Eur.  
 — var. *remotum*, Hort.  
*vulgare*, L. Eur.
- Matricaria callosa*, Sch., Eur.  
*caucasica*, Benth., Caucas.  
 (Pyrethrum *causicum*,  
 Willd.)  
*Chamomilla*, L., Eur.  
 — var. *Courrantiana*, DC.  
*glabra*, Nym., S. Eur.  
 (M. *arvensis*, Nym.)  
*inodora*, L., Eur.
- Meconopsis cambrica*, Vig., Eur.  
*Wallichiana*, Hook, Himal.
- Medicago apiculata*, W., Eur.  
 (Berteroana, Mor.)  
*Aschersoniana*, Urban, N.  
 Afr.  
*ciliaris*, Willd., Eur.  
 (M. *intexta*, Willd.)  
*denticulata*, Willd., Eur.  
*disciformis*, DC., Spain.  
*Echinus*, DC., S. Eur.
- Medicago—cont.*  
*Hornemanniana*, Pers., Eur.  
*lappacea*, Desr., S. Eur.  
*lupulina*, L., Eur.  
*murex*, Willd., Eur.  
*muricata*, All, Eur.  
*orbicularis*, Willd., S. Eur.  
*rugosa*, Desr., Eur.  
*rigidula*, Lam., S. Eur.  
 (M. *Gerardi*, Kit.)  
*sativa*, L., Eur.  
*Terebellum*, Willd., S. Eur.  
*tribuloides*, Lam., S. France.  
 — var. *truncatula*, Gaert.
- Melica altissima*, L., S. Eur., Cauc.  
 etc.  
*ciliata*, L., Eur., etc.  
 — var. *Cupani*, (Gusa.)  
 — var. *Magnolii*, (G. et G.)  
*nutans*, L., Eur.  
*uniflora*, Retz., Eur.
- Melilotus alba*, Desr., Eur.  
*officinalis*, Desr., Eur.  
*parviflora*, Lam., Eur.  
 (M. *indica*, All.)
- Melissa officinalis*, L., Eur., etc.
- Mentha rotundifolia*, L., Eur.  
*sylvestris*, L., Eur.  
 — var. *candicans*, Reichb.,  
 Eur.  
 — var. *umbrosa*, Opiz.  
*viridis*, L., Eur.  
 — var. *crispa*, Hook.
- Mertensia sibirica*, Don., Siber.
- Mesembryanthemum pinnatifidum*,  
 L. fil., Cape.  
*tricolor*, Willd., Cape.  
 — var. *album*.
- Minulus cupreus*, Veitch., Chili.  
*Lewisii*, Pursh, N. Amer.  
*luteus*, L., N. Amer.  
*ringens*, L., N. Amer.
- Mirabilis multiflora*, Gray, Amer.
- Modiola multifida*, Mönch, N. Amer.  
 (M. *caroliniana*, Hort.)
- Molinia cærulea*, Mönch, Eur.  
 — var. *variegata*.
- Molopospermum cicutarium*, DC.,  
 C. et S., Eur.

- Momordica Elaterium*, L., S. Eur.  
*Monarda didyma*, L., N. Amer.  
*Moricandia arvensis*, DC., Eur., etc.  
*Morina Coulteriana*, Royle, N.W. Himal.  
*longifolia*, Wall., Nepal.  
*Muhlenbergia diffusa*, Schreb., N. Amer.  
*pendula*, Trin., Ins. Sitcha.  
*Willdenovii*, Trin., N. Amer.  
*Mulgedium* (*see Lactuca*).  
*Muscari argaei*, Hort.  
*armeniaceum*, Baker, Medit.  
*atlanticum*, Boiss., Spain, Algeria.  
*Heldreichii*, Boiss., Greece.  
*neglectum*, Guss., S. Eur.  
*racemosum*, Mill., Eur.  
*Szovitsianum*, Regel, Siber.  
*Myosotis arvensis*, Hoffm., Eur.  
*palustris*, With., Eur.  
*sylvatica*, Hoffm., Eur.  
 — var. *compacta-aurea*, Hort.  
*Myrrhis odorata*, Scop., Eur.  
*Nardus stricta*, L., Eur.  
*Nasturtium pyrenaicum*, R.Br., S. Eur.  
*Nemesia floribunda*, Lehm., Cape.  
*pubescens*, Benth., Cape.  
*versicolor*, Meyer, Cape.  
*Nemophila aurita*, Lindl., Calif.  
*insignis*, Dougl., Calif.  
 — var. *alba*, Hort.  
 — var. *grandiflora*, Hort.  
*maculata*, Bth., Calif.  
*Menziesii*, Hook. et Arn., Calif. (*N. discoidalis*, Flore des Serres.)  
*parviflora*, Dougl., N. Amer.  
*Nepeta macrantha*, Fisch., Siber.  
*Mussini*, Bbrst., Caucas.  
*Nepetella*, L., S. Eur.  
*nuda*, L., S. Eur.  
*Nicandra physaloides*, Gaertn., Peru.  
*Nicotiana acuminata*, Graham, Peru.  
*acutifolia*, St. Hil., Brazil.  
*affinis*, T. Moore.
- Nicotiana—cont.*  
*alata*, Link., Brazil.  
*chinensis*, Fisch., China.  
*paniculata*, L., S. Amer.  
*plumbaginifolia*, Viv., N. Amer.  
*repanda*, Willd., N. Amer.  
*rustica*, L., S. Eur., etc.  
 — var. *Lebanon*.  
 — var. *Syrian*.  
 — var. (*Texana* Hort.)  
 — var. "*Bhilsa*."  
*Tabacum*, L., S. Amer.  
 — var. *attenuata*, Hort.  
 — var. "*Granville County yellow*."  
 — var. "*Havana*."  
 — var. "*Hester*."  
 — var. "*Hycos*."  
 — var. "*Latakia*."  
 — var. "*Manila*."  
 — var. "*Maryland*."  
 — var. "*Tuckahoe*."  
 — var. "*Virginian*."  
 — var. "*Yellow Pryor*."
- Nigella damascena*, L., S. Eur.  
 — var. *integrifolia*, Regel, Afghanistan.  
*sativa*, L., S. Eur.
- Nothoscordum fragrans*, Kunth., Amer.
- Oenanthe gymnorrhiza*, Brign., C. et S., Eur.  
*karstia*, Haecq., Carniol.  
*peucedanifolia*, Poll., Eur.
- Oenothera amœna*, Lehm., Calif. (*Godetia amœna*, Lilja.)  
 — var. *rubicunda*, Hort.  
*biennis*, L., N. Amer.  
*densiflora*, Lindl., Calif.  
*fruticosa*, L., N. Amer.  
 — var. *Youngii*, Hort.  
*Lamarckiana*, Ser., N. Amer. (*O. biennis* var. *grandiflora*, T. et G.)  
*pumila*, L., N. Amer.  
*purpurea*, Curt., N. Amer. (*Godetia purpurea*, Wats.)  
*rosea*, Ait., N. Amer.  
*Sarrazinii*, (Haage and Schmidt).  
*stricta*, Ledeb., Chili.



- Cenothera*—*cont.*  
*tenella*, Cav., Chili, Amer.  
 (G. *tenella*, Wats.)  
 — var. *dasycarpa*.
- Omphalodes linifolia*, Mœnch,  
 S. Eur.
- Ononis spinosa*, L., Eur., etc.
- Onopordon Acanthium*, L., Eur.  
*virens*, DC., S. Eur., etc.
- Opuntia Rafinesquii*, Eng., N.  
 Amer.
- Orchis foliosa*, Sol., Madeira.  
*latifolia*, L., Eur.  
*maculata*, L., Eur.
- Origanum vulgare*, L., Eur.  
 — var. *album*.
- Ormenis* (*see Anthemis*).
- Ornithogalum exscapum*, Ten.,  
 S. Eur.  
*fimbriatum*, Willd., Orient.  
*latifolium*, L., Egypt, etc.  
*orthophyllum*, Ten., S. Eur.  
*tenuifolium*, Guss., Sicily.  
*umbellatum*, L., Eur., N. Afr.  
*unifolium*, Ker, S. Eur.
- Ornithopus perpusillus*, L., Eur.
- Orobanche minor*, Sm., Eur.  
*ramosa*, L., Eur.  
*rubra*, Sm., Eur.
- Orobis* (*see Lathyrus*).
- Oxyria digyna*, Hill., Eur.  
*elatior*, R. Br., Nepal.
- Oxytropis campestris*, DC., Eur.  
*ochroleuca*, Bunge, Siber.
- Pæonia albiflora*, Pall., China.  
 — var. *candida*, Anders.  
 — var. *odorata*, Hort.  
 — var. *rubra*, Hort.  
 — var. *uniflora*, Anders.,  
 Siberia.  
*arietina*, Anders., Orient.  
 — var. *Andersoni*.  
 — var. *byzantina*, Hort.  
*decora*, Anders., Orient.  
 — var. *Pallasii*, Hort.  
*officinalis*, Retz., Eur.  
 — var. *anemonæflora*, Hort.  
*tenuifolia*, L., Siber.  
*triternata*, Pall., Taur., etc.  
 (*aurica*, And.)
- Palimbia salsa*, Bess., Russia.
- Panicum Crus-galli*, L., S. Eur.  
*maximum*, Jacq., S. Amer.  
 — var. *bulbosum*.
- Papaver apulum*, Ten., Italy, etc.  
*Argemone*, L., Eur.  
*caucasicum*, Bbrst., Caucas.  
*dubium*, L., Eur.  
 — var. *Lecoqii* (Lamotte),  
 Eur.  
*floribundum*, Des-f., Armenia.  
*nudicaule*, L., Alps.  
 — var. *album*.  
*orientale*, L., Orient.  
 — var. *bracteatum*, (Lindl.)  
 — var. *majus*.  
*pavoninum*, C. A. Mey.,  
 Afghan.  
*pilosum*, Sibth., Greece.  
 — var.  
 — *Heldreichii*, (Boiss.)  
*Rhœas*, L., Eur.  
 — var. *Hookeri*, (Baker).  
 — var. "Shirley."  
*rupifragum*, Boiss., Spain.  
 — var. *atlanticum*, Ball, G.  
 Atlas.  
*somniferum*, L., China, etc.  
 — var. *album*.  
 — var. "Danebrog."  
 — var. *fl. pl.*  
 — var. *setigerum*, (DC.)  
*umbrosum*, Hort.
- Parietaria lusitanica*, L., Eur.  
*officinalis*, L., Eur.
- Parnassia nubicola*, Hook, fl.,  
 Himalaya.
- Paronychia herniarioides*, Nutt.,  
 N. Amer.
- Pastinaca* (*see Peucedanum*).
- Pentstemon barbatus*, Nutt., N.  
 Amer.  
 — var. *Torreyi*, Gray.  
*campanulatus*, Willd., Mexico.  
 — var. *roseus*, Hort.  
*confertus*, Dougl., N. Amer.  
*diffusus*, Dougl., N. Amer.  
*glaber*, Pursh., N. Amer.  
*lævigatus*, Soland., N. Amer.  
 — var. *Digitalis*, Gray. (P.  
*Digitalis*, Nutt.)  
*oratus*, Dougl., N. Amer.  
*pubescens*, Soland., N. Amer.

- Perezia multiflora*, Less., Peru, etc.
- Petroselinum sativum*, Hoffm., Eur.  
— var. *cordatum*.
- Peucedanum Ostruthium*, Koch., Eur.  
(*Imperatoria Ostruthium*, L.)  
*sativum*, Benth., Eur.  
(*Pastinaca sativa*, L.)
- Phacelia divaricata*, Gray., Calif.  
*tanacetifolia*, Bth., Calif.  
*Whitlavia*, Gray, Calif.  
(*Whitlavia grandiflora*, Hort.)  
— var. *alba*, Hort.
- Phalaris arundinacea*, L., Eur., etc. (*Digraphis arundinacea*, Trin.)  
— var. *fol. variegatis*.  
*canariensis*, L., S. Eur., etc.  
*cærulescens*, Desf., S. Eur., etc.  
*paradoxa*, L., S. Eur.  
*tuberosa*, L., Eur.
- Phaseolus compressus*, DC.  
— var. *cervinus*.  
*ellipticus*, Schur.  
— var. *aureus*.  
— var. *niger*.  
— var. *mesomelus*.  
*lathyroides*, L., Jamaica.  
*multiflorus*, Lam.  
— var. *oblongus*, Savi.  
— var. *alba-rubra*.  
— var. *Londonensis*.  
— var. *carneo-flavescens*.  
*Ricciardianus*, Ten.  
*tuberosus*, Lour., Cochinchina.  
*vulgaris*, L., India.  
— var. *alba*.  
*Willmotianus*, Mart.  
*Wightianus*, Grah., India.
- Phleum pratense*, L., Eur.  
— var. *nodosum*, (L.)  
— var. *parnassicum*, Boiss.  
*tenuè*, Schrad., Eur.
- Philomis agraria*, Ledeb., Siberia.  
*Russchiana*, Lagas., Orient.  
*tuberosa*, L., Caucas., Siber.  
*umbrosa*, Turcz., Siberia.
- Phlox Drummondii*, Hook., Calif.  
— var. *cuspidata*, Wittm.  
*paniculata*, L., N. Amer.  
— var. *acuminata*.  
— var. *decussata*.
- Phuopsis stylosa*, Benth. & Hook., Persia. (*Crucianella stylosa*, Trin.)
- Physostegia virginiana*, Bth., N. Amer.  
— var. *alba*, Hort.
- Phyteuma campanuloides*, Bbrst., Cauc.  
*Halleri*, All., S. Eur.  
*limonifolium*, Sibth. & Sm., Eur.  
*nigrum*, Schmidt, Germ.  
*orbiculare*, L., Eur.  
*spicatum*, L., Eur.
- Phytolacca acinosa*, Roxb., India.
- Picridium tingitavum*, Desf., N. Afr.
- Picris echioides*, L., Eur. (*Helminthia echioides*, Gaertn.)  
*hieracioides*, L., Eur.
- Pimpinella magna*, L., Eur.
- Plantago arenaria*, L., Eur.  
*Coronopus*, L., Eur.  
— var. *Cupani*, Guss.  
*Cumingiana*, Fisch. et. Mey., Chili.  
*fuscescens*, Jord., S. Eur.  
*Ispaghula*, Roxb., India.  
*lanceolata*, L., Eur.  
*maritima*, L., Eur.  
*Oreades*, Dene., New Grenada.  
*salsa*, Bbrst., Tauria.
- Platycodon grandiflorum*, A.DC., Siber.  
— var. *Mariesii*, Hort.
- Platystemon californicus*, Benth., Calif.
- Pleurospermum austriacum*, Hoffm., S. Eur.  
*pulebrum*, Aitch. et Hemsl., Afghan.
- Plumbago micrantha*, Ledb., Siber.
- Poa alpina*, L., Eur.  
— var. *badensis*, (Haenke).  
*caesia*, Sm., Eur.  
*compressa*, L., Eur.

*Poa*—*cont.*

- glauca*, Sm., Eur.  
*nemoralis*, L., Eur.  
*pratensis*, L., Eur.  
*sudetica*, Haenke, Eur.  
*trivialis*, L., Eur.  
*Podolepis gracilis*, Grah., Australia.  
 — var. *alba*.  
*Podophyllum Emodi*, Wall., Himal.  
*Polemonium caeruleum*, L., Eur.,  
 Amer., etc.  
 — var. *album*, Hort.  
 — var. *bipinnatum*, Hort.  
 — var. *grandiflorum*, Hort.  
*flavum*, Greene, Amer.  
*pauciflorum*, Wats., Mexico.  
*Polygonatum biflorum*, Ell., N.  
 Amer. (*P. pubescens*,  
 Pursh.)  
*giganteum*, Dietr., N. Amer.  
 (*P. latifolium*, Desf.)  
*japonicum*, Morr. et Dcne.,  
 Japan.  
*multiflorum*, All., N. T. Zone.  
 — var. *fl. pl.*  
*punctatum*, Royle, Himalayas.  
*verticillatum*, All., Eur.  
*Polygonum amplexicaule*, Don,  
 Himal.  
 — var. *oxyphyllum*, (Wall.)  
*aviculare*, L., Eur. (*P.*  
*erectum*, Rth.)  
*Bistorta*, L., Eur.  
*capitatum*, Don., Himalayas.  
*divaricatum*, L., Siber.  
*filiforme*, Thunb., Japan.  
*molle*, Don, Himal.  
*polymorphum*, Led., Eur.,  
 Siber.  
 — var. *songaricum*, (Schrenk.)  
*viviparum*, L., Eur.  
*Weyrichii*, F. Schm., Sachal.  
 Isl.  
*Polygogon littoralis*, Sm., Eur.  
*Portulaca oleracea*, L., China, etc.  
 — var. *grandiflora*, vars.  
*rostellata*, Brign., Brazil.  
*Potentilla alchemilloides*, Lap.,  
 Pyrenees.  
*argyrophylla*, Wall., Himal.  
 — var.  
 — var. *Thomasii*, (DC.)

*Potentilla*—*cont.*

- bifurca*, L., Caucas., etc.  
*collina*, Wibel, Central Eur.  
*Comarum*, Nestl., Eur.  
*Kotschyana*, Fenzl., Kur-  
 distan.  
*Kurdica*, Boiss., Orient.  
*laciniosa*, W. & K., Hungary.  
*montenegrina*, Panc., Alps.  
 (Buccoana, Clem. ?)  
*multifida*, L., Eur., etc.  
*nepalensis*, Hook., Nepal.  
 (*P. formosa*, Don.)  
*nevadensis*, Boiss., Spain.  
*norvegica*, L., Eur.  
*ontopoda*, Dougl., N. Amer.  
*opaca*, L., Eur., etc.  
*pedata*, Willd., France.  
*pennsylvanica*, L., N. Amer.  
 — var. *arachnoidea*, Lehm.  
 (*P. arachnoidea*, Dougl.)  
*pyrenaica*, Ram., Pyrenees.  
*recta*, L., Eur., Caucas.  
 — var. *Hookeriana*, (Lehm.)  
 — var. *laciniata*.  
 — var. *macrantha*, (Leab.)  
 — var. *Nuttallii*.  
 — var. *obscura* (Willd.)  
 — var. *palmata*.  
 — var. *pentaphylla*, (Rich.)  
*rupestris*, L., Eur.  
*Sibbaldia*, Haller fil., Himal.  
 (*Sibbaldia procumbens*, L.)  
*Visianii*, Panc., Eur.  
*Wrangeliana*, Fisch., Siberia.  
*Poterium alpinum*, Bunge, Siberia.  
*officinale*, Benth. et Hook.,  
 Eur. (*Sanguisorba officina-*  
*lis*, L.)  
 — var. *carneum*, Hort.  
*Sanguisorba*, L., Eur.  
*Prenanthes muralis*, L., Eur.  
*Primula Auricula*, L., Eur.  
*cortusoides*, L., Siber., etc.  
*elatior*, Jacq., Eur.  
*japonica*, Gray, Japan.  
 — var. *alba*.  
*mollis*, Nutt., Bootan.  
*obconica*, Hance., China.  
*prolifera*, Wall., Himal.  
*sikkimensis*, Hook., Himal.  
*veris*, L., Eur.  
*verticillata*, Forsk., Arabia.

- Prunella grandiflora*, L., Eur., Cauc.  
 var. *laciniata*, Hort.  
 — var. *rubra*, Hort.  
*vulgaris*, L., Eur.
- Pteroneuron græcum*, DC.,  
 Greece, etc.
- Pulmonaria saccharata*, Mill., Eur.
- Pyrethrum*. (See *Chrysanthemum*.)
- Pyrhopappus carolinianus*, DC.,  
 Florida, Texas.
- Ramondia pyrenaica*, Rich.,  
 Pyrenees.
- Ranunculus aconitifolius*, L., Eur.  
*acris*, L., Eur.  
 — var. *Correanus*.  
 — var. *Steveni*, Bess.  
*arvensis*, L., Eur.  
*brutius*, Tenore, Italy.  
*chærophyllus*, L., Eur., etc.  
*Chius*, DC., Greece, &c.  
*Cymbalaria*, Pursh, N. Amer.  
*Flammula*, L., Eur.  
*Lingua*, L., Eur.  
*maritimus*, Ph., Chili.  
*parviflorus*, L., Eur.  
*Reuterianus*, Boiss., S. Eur.  
*trachycarpus*, F. et M., Orient.
- Rapistrum Linnaeanum*, All., Eur.
- Reseda abyssinica*, Fres., Abyss.  
*alba*, L., S. Eur.  
*glauca*, L., Spain.  
*lutea*, L., Eur.  
*Phyteuma*, L., Eur.
- Rhagadiolus arachnoideus*, Hort.  
*creticus*, All., S. Eur. (*Hedypnois cretica*, Willd.)  
*Hedypnois*, All., Mediter.  
 (H. *polymorpha*, DC.)  
*stellatus*, Gärtn., S. Eur.
- Rheum Emodi*, Wall., Himal.  
*leucorrhizum*, Pall, Siber.  
*macropterum*, Mart.  
*officinale*, Baill., Thibet.  
*palmatum*, L., Ind., etc.  
 — var. *tanghaticum*.  
*Rhaponticum*, L., Siber.  
*songaricum*, Schrenk,  
 Songaria.  
*spiciforme*, Royle, India.  
*Tranzenbachii*, Hort.  
*undulatum*, L., Siberia, etc.
- Rhodanthe*. (See *Helipterum*.)
- Rhynchopsidium sessiliflorum*,  
 DC., Cape.
- Rodigia commutata*, Spr., Crete.
- Romulea Bulbocodium*, Seb., S.  
 Eur.
- Rudbeckia californica*, Gray, Calif.  
*laciniata*, L., N. Amer.  
*occidentalis*, Nutt., N. Amer.  
 — var.  
*pinnata*, Vent., N. Amer.  
*speciosa*, Wend., N. Amer.
- Rumex abyssinicus*, Jacq., Abyss.  
*alpinus*, L., Eur.  
*Brownianus*, Campd., Austral.  
*maximus*, Schreb., Eur.  
*nepalensis*, Spr., Himal.  
*obtusifolius*, L., Eur.  
 — var. *sylvestris*, (Wallr.)  
*Patientia*, L., S. Eur.  
*salicifolius*, Weinm., N. Amer.  
*sanguineus*, L., Eur.  
 — var. *viridis* (Sibth.)  
*vesicarius*, L., N. Afr.
- Ruta graveolens*, L., Eur.  
 — var. *variegata*.
- Salsola Kali*, L., Eur.
- Salvia Æthiopis*, L., S. Eur.  
*glutinosa*, L., Eur.  
*hispanica*, L., S. Eur.  
*interrupta*, Schousb., Marocco.  
*nilotica*, Vahl, Egypt.  
*pratensis*, L., Eur.  
 — var. *rosea*.  
*officinalis*, L., S. Eur.  
 — var. *alba*, Hort.  
*Regeliana*, Trautv., Siberia.  
*sylvestris*, L., S. Eur.  
 — var. *alba*, Hort.  
*tiliæfolia*, Vahl, Mexico.  
*Verbenaca*, L., Eur.  
*verticillata*, L. Eur.  
*viscosa*, Jacq., S. Eur.
- Sanicula marylandica*, L., N. Amer.
- Sanguisobar*. (See *Poterium*.)
- Saponaria orientalis*, L., Orient.  
*persica*, Boiss., Persia.
- Satureja hortensis*, L., Taur.,  
 Caucas.  
*montana*, L., S. Eur.
- Saussurea hypoleuca*, Spr., Himal.

*Saxifraga altissima*, Kerner, Eur.  
*aphylla*, Sternb., Eur.  
 — var. *leptophylla*.  
*aizoides*, L., Eur., etc.  
*Aizoon*, L., Eur., Alps.  
 — var. *Churchillii*, Kern.  
 — var. *Gaudinii*.  
 — var. *incrustata*.  
 — var. *infracta*.  
 — var. *minor*.  
 — var. *pectinata*, Schott.  
 — var. *pygmæa*.  
 — var. *recta*, (Lap.)  
 — var. *rotata*.  
 — var. *rosularis*, Schleich.  
*catalaunica*, Boiss., Eur.  
*cæspitosa*, L., Eur., etc.  
 — var. *decipiens*, (Ehrh.)  
 — var. *hirta*, (Don.)  
 — var. *sedoides*, (L.)  
*Cotyledon*, L., Eur., Alps.  
 — var. *pyramidalis*, (Lap.)  
*crustata*, Vent., Alps.  
*cuneifolia*, L., Alps.  
 — var. *apennina*, (Bert.)  
 — var. *subintegra*.  
*diversifolia*, Wall., Himal.  
*exarata*, Vill., Eur., Alps.  
 — var. *nervosa*, (Lap.)  
*Hostii*, Tausch, Alps.  
 — var. *Macnabiana*, Hort.  
 — var. *tristis*.  
*Kolenatiana*, Regel, Siberia.  
*lactea*, Turcz., Temp. Asia.  
*latepetiolata*, Willk., Spain.  
*lingulata*, Bell., Marit. Alps.  
 — var. *cochlearis*, (Rchb.)  
 — var. *lantoscana*, (Boiss.)  
*longifolia*, Lap., Pyrenees.  
*Malyi*, Schott, Eur.  
*Maweana*, Baker, Marocco.  
*muscoïdes*, Wulf., Eur.  
 — var. *purpurea*.  
 — var. *pygmæa*, (Haw.)  
*nivalis*, L., Eur., etc.  
*peltata*, Torr., N. Amer.  
*pedatifida*, Ehrh., Eur.  
*pennsylvanica*, L., N. Amer.  
*Prostii*, Sternb., Eur.  
*Rocheliana*, Sternb., Bosnia.  
 — var. *coriophylla*, (Griseb.)  
*sponhemica*, Gmel., S. Eur.  
*Stracheyi*, Hk., f. et Th.,  
 Himal.  
*tenella*, Wulf., Alps.

*Saxifraga*—cont.

*trifurcata*, Schrad., N. Spain.  
*valdensis*, DC., Savoy, Alps.

*Scabiosa*, *atropurpurea*, L., Eur.  
*caucasica*, Bbrst., Cauc.  
 — var. *amœna*, (Jacq.)  
*Columbaria*, L., Eur.  
*graminifolia*, L., Eur.  
*Gramuntia*, L., S. Eur.  
*palestina*, L., Syria, etc.  
 (Asterocephalus palestinus,  
 Spr.)  
*Portae*, Huter., Eur.  
*stellata*, L., Spain, Portugal.  
*Succisa*, L., Eur.  
*vestina*, Facch., Tyrol.

*Scandix Balansæ*, Reut., Orient.  
*brachycarpa*, Guss., Sicily.

*Schistanthe peduncularis*, Kunze,  
 S. Afr.

*Schizanthus pinnatus*, R. et P.,  
 Chili.  
 var. *albus*, Hort.

*Schizopetalum Walkeri*, Sims,  
 Chili.

*Schœnus nigricans*, L., Eur.

*Scilla amœna*, L., S. Eur., etc.  
*campanulata*, Ait., Spain, etc.  
 (S. hispanica, Mill.)  
 — var. *alba*, Hort.  
*italica*, L., Italy, etc.  
*lingulata*, Desf., N. Afr.  
*sibirica*, Andr., Siberia.  
*verna*, Huds., W. Eur.

*Scirpus atrovirens*, Mull., N.  
 Amer.  
*Caricis*, Retz., Eur. (Blysmus  
*compressus*, Panz.)  
*sylvaticus*, L., Eur.

*Schismus marginatus*, Beauv., S.  
 Eur.

*Scleranthus annuus*, L., Eur.  
*pereunis*, L., Eur.

*Scleropus amarantoides*, Schrad.,  
 St. Thomas.

*Scrophularia Ehrhartii*, Stev.,  
 Caucas.  
*nodosa*, L., Eur.  
 — var. *serrulata*.  
*Scorodonia*, L., Eur.

- Scutellaria orientalis*, L., Asia Minor.  
*peregrina*, L., Tauria.
- Secale Cercale*, L., As. Minor.  
*creticum*, L., Crete.  
*montanum*, Guss., Sicily.
- Securigera Coronilla*, DC., S. Eur.
- Sedum Aizoon*, L., Siberia.  
*crassipes*, Wall., Sikkim, 15,000 feet.  
*cyaneum*, Rud., Siber.  
*Ewersii*, Ledeb., Siber.  
*heterodontum*, Hk. f., Himal.  
*hybridum*, L., Siberia.  
*kamtschaticum*, Fisch., Kamtsch.  
*Maximowiczii*, Regel, Japan.  
*Middendorffianum*, Max., Siber.  
*oppositifolium*, Sims, Caucas.  
 — var.  
*populifolium*, L., Siberia.  
*rhodanthum*, A. Gr. Rocky Mts.  
*rupestre*, Huds., Eur.  
*Rhodiola*, DC., Siber.  
 (Rhodiola sibirica, Sweet.)  
*spurium*, Bbrst., Caucas.
- Selinum Candollei*, DC., Nepal.
- Sempervivum alpinum*, G. et S., Alps.  
*arachnoideum*, L., Alps. (Laggeri, Hort.)  
*arvense*, Lecoq et Lamotte, Eur.  
*atlanticum*, Ball et Hook., Atlas.  
*barbatulum*, Schott, Eur.  
*bicolor*, Hort., Eur.  
*Boissieri*, Hort., Eur.  
*Boutignyanum*, Bill., Pyrenees.  
*Fauconnetii*, Reut., Alps.  
*fimbriatum*, L. et S., Eur.  
*flagelliforme*, Fisch., Siber.  
*Funckii*, Braun, Austria.  
*glaucum*, Tenore, Italy. (S. violaceum, Hort.)  
*grandiflorum*, Haw.  
*Hausmannii*, Hort., Eur.  
*Lamottei*, Boreau, France.  
*Mettenianum*, Lehm., Switz.  
*montanum*, L., Alps.
- Sempervivum*—cont.  
*Neideri*, Hort.  
*parvulum*, J. et F., Eur.  
*Pomelii*, Lamotte, Alps.  
*ruthenicum*, Koch., S. Eur.  
*Schnittspahnii*, Lag., Eur.  
*speciosum*, Lamotte, Eur.  
*tectorum*, L., Eur.  
*Verlotii*, Lamotte, France. (S. Delassie, Hort.)
- Senecio artemisiaefolius*, Pers. S. Eur.  
*aureus*, D., N. Amer.  
*concolor*, DC., N. Afr.  
*elegans*, L., Cape.  
 — var. alba.  
 — var. purpurea.  
*Fuchsii*, Gmel., S. Eur.  
*Jacquinianus*, Rehb., Eur.  
*Kaempferi*, DC., Japan.  
*macrophyllus*, Bbrst., Caucas.  
*quinquiculatus*, Rgl., Asia Minor.  
*sarracenicus*, L., Eur., etc.  
*Schimperi*, C. H. Schultz, Abyssin.  
*squalidus*, L., Eur., etc.  
*thyrsoideus*, DC., Siberia. (Ligularia thyrsoidea, DC.)  
*viscosus*, L., Eur.
- Serratula coronata*, L., Siberia.  
 — var. *macrophylla*.  
*Gmelinii*, Ledeb., Caucas.  
*quinquefolia*, Bbrst., Caucas.  
*tinctoria*, L., Eur.  
 — var. *indivisa*, Poir.
- Seseli gracile*, W. K., Transylvania.  
*tortuosum*, L., S. Eur.
- Setaria glauca*, Beauv., Eur.  
*italica*, Beauv., Eur. (S. germanica, Beauv.)  
*macrochaeta*, Link, Eur., Asia, etc.
- Sherardia arvensis*, L., Eur.
- Sibbaldia*. (See *Potentilla*.)
- Sideritis scordioides*, L., Eur.  
 — var. *elongata*, Benth., Spain?
- Silaus tenuifolius*, DC., Eur.
- Silene alpestris*, L., Alps, Eur.  
*Armeria*, L., Eur.  
 — var. *compacta* (Hornem).  
*Chouletii*, Coss., Eur.  
*ciliata*, Pourr., Crete.  
*clandestina*, Jacq., Cape.

Silene—*cont.*

- colorata*, Poir., Mediter.  
*conoides*, L., Levant, etc.  
*cretica*, L., S. Eur.  
*Cucubalus*, Wibel., Eur.  
*diurniflora*, Kunze, Cape.  
*echinata*, Otth., Italy.  
*Fortunei*, Vis., China.  
*fusca*, Link, Portugal.  
*gallica*, L., Eur.  
 — var.  
*glauca*, Zea., Eur.  
*italica*, Pers., Eur.  
*juvenalis*, Del., Egypt.  
*linicola*, Gmel., Germany.  
*longicilia*, Otth, Portugal.  
*muscipula*, L., Mediter.  
*nutans*, L., Eur.  
*obtusifolia*, Willd., Italy.  
*pendula*, L., Sicily, etc.  
*Personii*, Tod. non Schott.  
*pseudo-atocion*, Desf., N. Afr.  
*quadrifida*, L., Eur.  
*rubella*, L., Eur., N. Afr.  
*Schafta*, Gmel., Siber., etc.  
*sericea*, All., S. Eur.  
*tatarica*, Pers., Tatar.  
*tenuifolia*, Otth., Dahur.  
*trinervia*, S. et S., S. Eur.  
*Vallesia*, L., S. Eur.  
*vesiculifera*, Gay, S. Eur.  
*vespertina*, Retz., S. Eur.  
*Zawadskii*, Herbich., Austria.
- Silphium aurantiacum*, Hort.  
*integrifolium*, Michx., N. Amer.  
*perfoliatum*, J., N. Amer.  
 (S. *ecneatum*, L.)  
 — var. *conjunctum*, (Willd.)  
*scaberrimum*, Ell., N. Amer.
- Silybum eburneum*, Coss, et, Dur.,  
 Eur.  
*Marianum*, Gärtner, Eur.
- Sisymbrium Alliaria*, Scop., Eur.  
*Assoanum*, R. et P., Aragon.  
*austriacum*, Jacq., S. Eur.  
*erysimoides*, Desf., S. Eur. N.  
 Afr.  
*myriophyllum*, H. B. K.,  
 Quito.  
*officinale*, Scop., S. Eur.  
*polyceratum*, L., Eur.  
*strictissimum*, L., Eur.  
*tenuissimum*, Kar. and Kir.,  
 . Altai.
- Sisyrinchium anceps*, Cav., N.  
 Amer.  
*reticulatum*, Hort.  
*striatum*, Sm., Chili.
- Sium lanceifolium*, Bbrst., Cauc., etc.  
*latifolium*, L., Eur.
- Smilacina stellata*, Desf., N. Amer.  
*racemosa*, Desf., N. Amer.  
 (Tovaria *racemosa*, Neck.)
- Smyrniium Oiusatrum*, L., Eur.
- Solanum Dulcamara*, L., Eur.  
*guineense*, Lam., Trop Afr.,  
 etc.  
*laciniatum*, Ait. Austral.  
*sisymbriifolium*, L., S. Amer.  
*tuberosum*, L., Chili.  
 — var. black tubers.  
*villosum*, Lam., Eur.
- Solidago arguta*, Ait. N. Amer.  
*cæsia*, L., N. Amer.  
*canadensis*, L., N. Amer.  
*elongata*, Nutt., N. Amer.  
*neglecta*, T. & G., N. Amer.  
*Ohicensis*, Riddell, N. Amer.  
*Shortii*, T. & G., N. Amer.
- Sonchus asper*, Hoffm., Eur.  
*oleraceus*, L., Eur.  
*palustris*, L., Eur.
- Sparganium ramosum*, Curtis, Eur.
- Specularia coa*, A. DC., Eur.  
*falcata*, A. DC., Mediter.  
 — var. *castellana*, Lange.  
*pentagonia*, A. DC., Orient.  
*perfoliata*, DC., N. Amer.  
*Speculum*, A. DC., Eur.
- Spergula arvensis*, L., Eur.
- Sphenogyne*. (See *Ursinia*.)
- Spilanthes Acmella*, L., India.
- Spiræa astilboides*, Hort.  
*Aruucus*, L., N. Amer.  
 — var. *angustifolius*.  
*digitata*, Willd., Siber., etc.  
*Filipendula*, L., Eur.  
*lobata*, Jacq., N. Amer.  
*palmata*, Thunb., Japan.  
 — var. *alba*.  
*Ulmaria*, L., Eur., etc.  
 — var. *aurea*.

- Stachys arvensis*, L., Eur.  
*grandiflora*, Bth., Caucas., etc.  
 (Betonica grandiflora, L.)  
*Betonica*, Benth., Eur. (B.  
*officinalis*, L.)  
 — var. *alba*, Hort.  
*elliptica*, H.B.K., S. Amer.  
*sylvatica*, L., Eur.
- Statice Gougetiana*, Girard, Spain.  
*Limonium*, L., Eur.  
 — var. *alba*, Hort.  
 — var. *Gmelini*, (Willd.)  
 — var. *puberula*.  
 — var. *Smithii*, Hort.  
*lychnidifolia*, Gir., S. Eur.  
*leptostachya*, Boiss., Orient.  
*speciosa*, L., Siberia.  
*Suworowii*, Regel, Turkestan.  
*tomentella*, Boiss., Eur., etc.  
 (S. sareptana, Beck.)
- Stellaria graminea*, L., Eur.
- Stevia laxiflora*, DC., Mexico.
- Stipa Aristella*, L., S. Eur., etc.  
*barbata*, Desf., N. Afr.  
*Calamagrostis*, Wllbrg., S.  
 Eur. (*Lasiagrostis Calamagrostis*, Link.)  
*fertilis*, Desf., S. Eur.  
*pennata*, L., Eur., Siber.
- Succowia balearica*, DC., Balearic  
 Isles.
- Symphyandra Wanneri*, Heuff.
- Syrenia Lamarckiana*, Andr.,  
 Russia, Siberia.
- Symphytum asperrimum*, Sims,  
 Caucas.  
*bulbosum*, Schimp., S. Eur.  
 — var. *Zeyheri*, (Schimp).  
*caucasicum*, Bbrst., Caucas.  
*officinale*, L., Eur.
- Tagetes pusilla*, H.B., Quito.
- Tamus communis*, L., Eur.
- Telephium Imperati*, L., S. Eur.
- Tellina grandiflora*, R.Br., N.  
 Amer.
- Tetragonia expansa*, Murr.,  
 Austral., etc.
- Teucrium aureum*, Schreb., Eur.  
*Chamædrys*, L., Eur.  
 — var. *folio-aurea*.  
*Scorodonia*, L., Eur.  
 — var. *variegatum*.
- Thalictrum angustifolium*, Jacq.,  
 S. Eur.  
 — var. (*T. nigricans*, DC.),  
 Eur.  
*aquilegifolium*, L., Eur., etc.  
 — var. *purpureum*.  
*flavum*, L., Eur.  
 — var.  
 — var. *sphaerocarpum*, Lej.  
*glaucum*, Desf., S. Eur.  
*javanicum*, Blume, Java.  
*minus*, L., Eur.  
 — Indian form.  
 — var. *affine*, (Jord.).  
 — var. *collinum*, (Wallr.).  
 — var. *elatum*, Regel.  
 — var. *flexuosum*, (Bernh.).  
 — var. *kemense*, (Fries).  
 — var. *mucronatum*.  
 — var. *pubescens*, Schleich.  
 — var. *squarrosom*, (Steph.)  
*trigynum*, Fisch., Dahur.
- Thermopsis montana*, Nutt., N.  
 Amer.  
 (fabacea, DC.)
- Thlaspi arvense*, L., Eur.  
*alpestre*, L., Eur.  
*præcox*, Wulf, Austria.
- Thrinicia tuberosa*, DC., S. Eur.
- Tigridia Pavonia*, Pers., Mexico.  
*Pringlei*, Wats., Mexico.  
*speciosa*, Poit.
- Tolmiea Menziesii*, Torr. et Gray,  
 N. Amer.
- Tolpis virgata*, Bert., S. Eur.
- Tovaria*. (See *Smilacina*.)
- Trachelium cœruleum*, L., N. Afr.,  
 etc.
- Tradescantia erecta*, Jacq., Mexico.  
*virginica*, L., N. Amer.
- Tragopogon* (*Geropogon glabrum*,  
 L.), S. Eur.
- Trifolium agrarium*, L., Eur.  
*hybridum*, L., Eur.  
*leucanthum*, Bbrst., Tauria,  
 etc.  
*multistriatum*, Koch, Eur.  
*pannonicum*, L., Eur., etc.  
*Perreymondi*, Gren., France.  
*rubens*, L., Eur.  
*stellatum*, L., S. Eur.



- Trifolium*—*cont.*  
*striatum*, L., Eur.  
*equarrosa*, L., S. Eur.  
 (Panormitanam, Pr.)  
*Thalii*, Vill., Eur.
- Triglochin maritimum*, L., Eur.
- Trigonella cœrulea*, Lam., Eur.,  
 Caucas.  
*corniculata*, L., S. Eur.  
*cretica*, Boiss., Crete.  
*fœnum-græcum*, L., S. Eur.  
*hamosa*, L., Orient.  
*monspeliaca*, L., Eur.  
*ovalis*, Boiss., Spain.  
*polycerata*, L., Eur.  
 (T. orthoceras, Kar. & Kir.,  
 Altai.)
- Trinia Kitaibelii*, Bbrst., Russia,  
 etc.
- Tripteris cheiranthifolia*, Schultz.,  
 Abyss.
- Trisetum flavescens*, Beauv., Eur.
- Triticum durum*, Desf., S. Eur.,  
 N. Afr.  
*monococcum*, L., Eur.
- Tritonia crocosmæflora*, Gardon  
 Hybrid.  
*Pottsii*, Benth., Cape.
- Trollius asiaticus*, L., Siber.  
*europæus*, L., Eur.  
 — var. *Denyanus*, Hort.
- Tropæolum aduncum*, Sm., Peru,  
 etc. (T. peregrinum, Jacq.  
 T. canariense, Hort.)  
*majus*, L., Peru.  
*minus*, L., Peru.
- Tulipa australis*, Link, S. Eur.
- Tunica Saxifraga*, Scop., Eur.
- Typha latifolia*, L., Eur.
- Tyrinnus leucographus*, Cass., S.  
 Eur.
- Urospermum picroides*, Desf., S.  
 Eur.
- Ursinia pulchra*, N. E. Brown,  
 Cape. (Sphenogyne spe-  
 ciosa, Know. et West.)  
 — var. *sulphurea*, Hort., Kew.  
*anthemoides*, Poir., Cape.  
 (Sphenogyne anthemoides,  
 R. Br.)
- Urtica dioica*, L., Eur.  
*elevata* Banks, Madeira.  
 — var. *grandidentata*.  
*pilulifera*, L., Eur.
- Vahlodea atropurpurea*, Fr., Eur.
- Valeriana alliariæfolia*, Vahl,  
 Caucas.  
 — var. *intermedia*.  
*montana*, L., Eur.  
*officinalis*, L., Eur.  
 — var. *exaltata*, (Mikan.)  
 — var. *sambucifolia*, (Mikan.)  
 Phu, L., S. Eur.  
 — var. *aureo-variegata*.  
*pyrenaica*, L., Eur.
- Valerianella Auricula*, DC., Eur.  
*carinata*, Loisl., S. Eur.  
*clorodonta*, Coss. & Dur., Al-  
 geria.  
*cymbæcarpa*, C. A. Mey.,  
 Caucas.  
*eriocarpa*, Desv., Eur.  
*hamata*, DC., S. Eur.  
*olitoria*, Mœnch., Eur.  
*Szovitsiana*, F. et M., Persia.
- Veratrum nigrum*, L., Eur.
- Verbascum gnaphalodes*, Bbrst.,  
 Taur., etc.  
*olympicum*, Boiss., Bithynia.  
*phlomoides*, L., Eur., etc.  
*phœniceum*, L., Eur. Siber.  
 — var. *ferrugineum*, (Mill.)  
*Thapsus*, L., Eur.  
 — var. *turkestanicum*, Regel.
- Verbena Aubletia*, L., Amer.  
*hispida*, R. P., S. Amer.  
*teucrioides*, Gill. et. Hook.,  
 Chili.
- Veronica anagallis*, L., Eur.  
*anomala*, Armstr., N. Zeal.  
*austriaca*, L., C. et S. Eur.  
 — var. *pinnatifida*, Pohl.  
*arvensis*, L., Eur.  
*azurea*, Link., Eur.  
*Beccabunga*, L., Eur.  
*bellidioides*, L., Eur.  
*corymbosa*, Hort., Loud.  
*exaltata*, Maud., Siberia.  
*gentianoides*, Vahl, Taur., etc.  
*incaua*, L., S. Eur., etc.  
*incisa*, Ait., Siber.  
*ligustrifolia*, Cunn., N. Zeal.

*Veronica—cont.*

- longifolia*, L., C. et S. Eur.  
 — var. *alba*.  
 — var. *mollis*.  
 — var. *rosea*.  
*maritima*, L., Eur.  
 — var. *variegata*.  
*repens*, DC., Eur.  
*serpyllifolia*, L., Eur.  
 — var. *humifusa*, (Dicks.)  
*spicata*, L., Eur., etc.  
*spuria*, L., Eur.  
 — var. *Kalnitzii*.  
*Teucrium*, L., Eur.  
 — var. *latifolia*, (L.)  
*virginica*, L., N. Amer.  
 — var. *japonica*, (Steud.)

*Vesicaria corymbosa*, Hort.  
*cretica*, Poir., Crete.

*Vicia amphicarpa*, Dorth., France.

- bactica*, Fisch., Siberia.  
*calcarata*, Desf., Algiers.  
*disperma*, DC., France.  
*Ervilia*, Willd., S. Eur.  
*Faba*, L., cultivated.  
*Ludoviciana*, Nutt., N. Amer.  
*narbonensis*, L., S. Eur.  
*onobrychioides*, L., Eur.  
*Orobus*, DC., Eur.  
*pannonica*, Jacq., Eur.  
*sativa*, L., Eur., etc.  
 — var. *Morisiana*, (Jord.)  
*sepium*, L., Eur.  
*sitchensis*, Bong., N. Amer.,  
 etc. (*V. gigantea*, Hook.)  
*sylvatica*, L., Eur.  
*villosa*, Roth., S. Eur.

*Viola cornuta*, L., Eur.

- var. *alba*.  
*cucullata*, Ait., N. Amer.  
*elatior*, Fries., Eur.  
*Jooi*, Janka, Transylv.  
*macedonica*, Boiss. et Held.,  
 Maced.  
*odorata*, L., Eur.

*Viola—cont.*

- var. *purpurea*, Caucas.  
*palustris*, L., Eur.  
*Patrinii*, DC., India, etc.  
 (V. *primulifolia*, Linn.  
 ex parte. *V. chinensis*,  
 Dou.)

- pinnata*, L., Alps, Eur., etc.  
*pumila*, Willd., S. Eur.  
*pyrenaica*, Ram., Pyrenees.  
*Reichenbachiana*, Bor., Eur.

*Wahlenbergia lobelioides*, A. DC.,  
 Madeira.

- nutabunda*, A. DC., S. Eur.  
*saxicola*, A. DC., N. Zeal.

*Waldsteinia geoides*, Willd., Eur.,  
 etc.

*trifolia*, Koch, Eur.

*Whitlavia*. (*See Phacelia*)

*Wulfenia Amherstiana*, Bth.,  
 Himal.  
*carinthiaca*, Jacq., Carinth.

*Xanthium indicum*, Wall., Ind.,  
 etc. (*X. orientale*, L.)  
*strumarium*, L., Eur.

*Xeranthemum longipapposum*, F.  
 et M., Persia.

*Zacintha verrucosa*, Gært., Eur.

*Zinnia elegans*, Jacq., Mexico.  
 — var. *flore-pleno*.  
*multiflora*, L., Mexico.  
*pauciflora*, L., Peru.

*Ziziphora capitata*, L., Taur., etc.

*Zollikoferia Elquinensis*, Phil.  
 Chili.

*Zygadenus elegans*, Pursh, N.  
 Amer. (*Z. commutatus*,  
 Schult. fil., *Z. canadensis*,  
 Hort., *Z. chloranthus*,  
 Richards, Anticlea glauca,  
 Kunth.)  
*glaberrimus*, Michx., N. Amer.  
*Nuttallii*, Gray, N. Amer.

## TREES AND SHRUBS.

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- Acer campestre*, L.  
 — var. *hebecarpum*, Hort.  
 — var. *leiocarpum*.  
*Ginnata*, Max., Amurland.  
*macrophyllum*, Pursh., N. W. Amer.  
*neapolitanum*, Ten., Eur.  
*obtusatum*, Kit., Eur.  
*pennsylvanicum*, L., N. Amer.  
*platanoides*, L., Eur.  
*Pseudo-Platanus*, L., Eur., etc.  
 — var. *flavo-marginatum*, Hort.  
 — var. *fol. variegatum*, Hort.  
 — var. *lutescens*, Hort.  
 — var. *purpurea*, Hort.
- Alnus firma*, S. & Z., Japan.  
*incana*, Will., N. Hemisphere.  
 — var. *glauca*, (Ait.)  
 — var. *inciniata*, Hort.  
*orientalis*, Dene., Orient.
- Amorpha fruticosa*, L., N. Amer.
- Betula alba*, L., N. Hemishp.  
*corylifolia*, S. & Z., Japan.  
*lenta*, L., N. Amer.  
*lutea*, Michx. f., N. Amer.  
*papyracea*, Ait., N. Amer.  
*ulmifolia*, S. & Z., Japan.
- Berberis aristata*, DC., Himal.  
 — var. *Belstanensis*, Hort.  
*buxifolia*, Lamk., Chili.  
*canadensis*, Mill., N. Amer.  
*coriacea*, Brandis., Himal.  
*Darwinii*, Hook. f., Chili,  
*sinensis*, Desf., China.  
*stenophylla*, Hort.  
*Thunbergii*, DC., Japan.  
*vulgaris*, L., Eur., etc.  
 — var. *caroliniana*, Hort.  
 — var. *emarginata*, Hort.  
 — var. *iberica*, (Stev.)  
 — var. *purpurea*, Hort.  
 — var. *sanguinolenta*, Hort.  
 — var. *spathulata*, (Schrad.)  
 — var. *violacea*, Hort.  
*Wallichiana*, DC., Himal.
- Biota orientalis*, End., Orient.
- Buxus sempervirens*, L., Eur. Asia.  
 — var. *latifolia*, Hort.  
 — var. *prostrata*, Hort.
- Caragana arborescens*, Lamb., Siberia.  
*frutescens*, DC., Siberia.  
 — var. *pendula*, Hort.  
*Redowskii*, DC., Siberia.
- Carpinus Betulus*, L., Eur., etc.
- Cassinia fulvida*, Hook. f. N. Zeal.  
 (*Diplopappus chrysophyllus*, Hort.)
- Cedrus Deodara*, Loud., Himal.
- Celtis occidentalis*, L., N. Amer.
- Cerasus Laurocerasus*, Loisel., Caucas.  
 — var. *colchica*, Hort.  
 — *lusitanica*, Lobel., Portugal.
- Chamaecyparis* (*Cupressus*).  
*Lawsoniana*, Parl., Calif.  
 — var. *albo-spica*, Hort.  
 — var. *argentea*, Hort.  
 — var. *californica*, Hort.  
 — var. *fragrans argentea*, Hort.  
 — var. *gracilis pendula*, Hort.  
 — var. *intertexta*, Hort.  
 — var. *ochroleuca*, Hort.  
*obtusa*, S. & Z., Japan.  
 (*Retinospora obtusa*.)
- Cistus laurifolius*, L., Spain.
- Cladrastris amurensis*, Benth. & Hook., Amur.
- Clematis viticella*, L., Eur.  
 — var. *rubra*, Hort.
- Colutea arborescens*, L., Eur.  
 — var. *cruenta*, (Ait.)  
 — var. *haleppica*, (Lamk.)
- Cornus sanguinea*, L., Eur.  
 — *stolonifera*, Michx., N. Amer.

- Cotoneaster acuminata*, Lindl.,  
 Himal.  
*affinis*, Lindl., Himal.  
*bacillaris*, Wall., Himal.  
 — var. *floribunda*, Hort.  
*buxifolia*, Wall., Himal.  
*frigida*, Wall., Himal.  
*horizontalis*, Dcne.  
*microphylla*, Wall., Himal.  
*nummularia*, F. & M., Asia,  
 etc.  
*rotundifolia*, Wall., Himal.  
*Simonsii*, Baker., Himal.  
*tomentosa*, Lindl., Eur.
- Crataegus Carrierei*, Vauvel.  
 (C. Lavalley, Herincq.)  
*coccinea*, L., N. Amer.  
 — var. *glandulosa*, Hort.  
 — var. *indentata*, Hort.  
 — var. *macracantha*, (Lodd.)  
*cordata*, Mill., N. Amer.  
*Crus-Galli*, L., N. Amer.  
 — var. *prunifolia*, (Pers  
 Downingii, Hort.  
*heterophylla*, Flugge.  
*nigra*, W. & K., E. Eur.  
*orientalis*, Pall., Orient.  
*oxyacantha*, L., Eur.  
 — var. *fusca*, Hort.  
 — var. *monogyna*, (Jacq.)  
 — var. *obtusata*, Hort.  
 — var. *pendula*, Hort.  
 — var. *stricta*, Hort.  
*punctata*, Jacq., N. Amer.  
*tanacetifolia*, Pers., Orient.  
*tomentosa*, L.
- Cytisus albus*, L., S. W. Eur.  
 — var. *incarnatus*, Hort.  
*capitatus*, Jacq., S. Eur.  
*biflorus*, L., Herit., Eur.  
*hirsutus*, L., S. Eur.  
*purgans*, Willk., S. W. Eur.  
*pupureus*, Scop., Eur.  
*scoparius*, L., Eur.  
*uralensis*.
- Deutzia crenata*, S. & Z., Japan.  
 — var. *Sieboldii*, Hort.  
*scabra*, Thunb., Japan.
- Elaeagnus argentea*, Pursh., N.  
 W. Amer.  
*japonicus*, Hort.  
*longipes*, A. Gray., Japan.  
*umbellata*, Thunb., Japan.
- Euonymus europaeus*, L., Eur.  
 — var. *coccineus*, Hort.  
*latifolius*.
- Forsythia suspensa*, Vahl., Japan,  
 etc.
- Gaultheria Shallon*, Pursh., N.  
 Amer.
- Genista aetnensis*, DC., Sicily.  
*hispanica*, L., Spain.  
*radiata*, Scop., S. Eur.  
*tinctoria*, L., Eur.  
 — var. *elatior*, (Kit.)  
*virgata*, DC., Madeira.
- Hamamelis virginica*, L., N. Amer.
- Hedera Helix*, L., Eur., etc.
- Hypericum Androsaemum*, L.,  
 Eur.  
*elatum*, Ait., N. Amer.
- Ilex Aquifolium*, L., Eur.  
 — var. *ciliata*, Hort.  
 — var. *platyphylla*, Hort.
- Laburnum Adami*, Lav.  
 (Laburnum  $\times$  Cytisus purpu-  
 reus.)  
*vulgare*, Griseb., Eur.  
 — var. *aureum*, Hort.  
 — var. *Carlieri*, Hort.  
 — var. *involutum*, Hort.  
 — var. *Parkesi*, Hort.
- Ligustrum vulgare*, L., Eur. etc.
- Lonicera discolor*, Lindl., Himal.  
*Morrowii*, Gray., Japan.  
*tatarica*, L.  
 — var. *kamtschatica*, Hort.  
*Xylosteum*, L., Eur.
- Mahonia Aquifolium*, Nutt.  
 — var. *Murrayana*, Hort.  
*fascicularis*, DC., N. Amer.  
*japonica*, DC., Japan.
- Menispermum canadense*, L., N.  
 Amer.
- Neillia opulifolia*, Benth. et Hook.,  
 N. Amer.  
 — var. *lutea*, Hort.  
 — var. *nana*, Hort.
- Olearia Haastii*, Hook. fil., N.  
 Zeal.
- Pernettya mucronata*, Gaud.,  
 Chili, etc.

- Phillyrea decora*, Boiss., Lazistan.  
(*P. Vilmoriniana*, Boiss.)
- Piptanthus nepalensis*, D. Don.,  
Himal.
- Potentilla fruticosa*, L., Eur.  
— var. *floribunda*, Hort.
- Ptelea trifolia*, L., N. Amer.  
— var. *glauca*, Hort.
- Pyrus Aria*, L.  
— var. *graeca*, Boiss.  
*arbutifolia*, L., N. Amer.  
— var. *grandiflora*, Hort.  
— var. *serotina*, Lindl.  
*Aucuparia*, Gaertn., Eur.  
— var. *pendula*, Hort.  
*latifolia*, Syme.  
Maulei, Masters, Japan.  
*spectabilis*, Desf., China, etc.
- Rhamnus alnifolius*, L., N. Amer.  
*carolinianus*, Walt., N. Amer.  
*infectorius*, L., S. Eur.  
*latifolia*, L'Herit. Azores.  
Wickliss, Hort.
- Rhodotypos kerrioides*, S. et Z.,  
Japan.
- Rhus radicans*, L., N. Amer.  
*typhina*, L., N. Amer.
- Ribes alpinum*, L., Eur.  
— var. *opulifolium*, Hort.  
— var. *pumilum*, Hort.  
*aureum*, Pursh., N. Amer.  
— var. *praecox*, Hort.  
*nigrum*, L., N. Eur.  
*sanguineum*, Pursh., N.W.  
Amer.  
— var. *albidum*, Hort.  
— var. *atrorubens*, Hort.  
— var. *atrosanguineum*, Hort.
- Rosa acicularis*, Lindl., Japan.  
*alpiua*, L., Eur.  
— var. *inermis*.  
Bakeri, Desegl., England.  
*belgradensis*, Hort.  
*californica*, Ch. et Sch., Calif.  
*canina*, L., Eur., etc.  
— var. *andegavensis*, Baker.  
*carolina*, L., N. Amer.  
*cinnamomea*, L., Eur., etc.  
*gallica*, L., Eur., var.  
*hibernica*, Sm., Britain.  
— var. *vera*.  
*lucida*, Ehrh., N. Amer.

*Rosa*—*cont.*

- microcarpa*, Hort.  
*microphylla*, Roxb., China.  
*moschata*, Mill., India, etc.  
(*R. Brunoni*, Lindl.)  
*nitida*, Willd., N. Amer.  
*nutkana*, Presl., N. Amer.  
*pissocarpa*, A. Gray, N. Amer.  
*polyantha*, S. et Z., Japan.  
*rubiginosa*, L., Europe, etc.  
— var. *major*, Hort.  
*rugosa*, S. et Z., Japan.  
— var. *alba*.  
*sericea* Lindl., Himal.  
*spinosissima*, L., Eur.  
— var. *pusilla*, Hort.  
— var. *rubra*, Hort.  
*tomentosa*, Sm., Eur., etc.  
— var. *dimorpha*.  
— var.  
Wilsoni, Bor., Britain.
- Rubus Balfourianus*, Blox., Eur.  
*cordifolius*, W. et N., Eur.  
*laciniatus*, Willd., Hort.  
*leucodermis*, Dougl., N. Amer.  
*leucostachys*, Sm., Eur.  
Lindleyanus, Lees, Eur.  
*mucronatus*, Blox., Eur.  
*nudis*, W. et N., Eur.  
*occidentalis*, L. et N., Amer.  
*rhamnifolius*, W. et N., Eur.  
*strigosus*, Michx., N. Amer.  
*thyrsoideus*, Wimm., Eur.
- Sambucus nigra*, L., Eur.  
— var. *laciniata*, Hort.  
— var. *melanocarpa*, Hort.  
— var. *rotundifolia*, Hort.  
— var. *Swindonensis*, Hort.  
— var. *virescens*, Hort.
- Skimmia Fortunei*, Mast. (*S. japonica*, Hort.)
- Spartium junceum*, L., S. Eur.
- Spiraea canescens*, Don., Himal.  
*callosa*, Thunb., Japan.  
*carpinifolia*, Pall., Eur.  
Douglasii, Hook., N.W. Amer.  
*flagelliformis*, Hort.  
*hypericifolia*, L., Eur.  
*Lindleyana*, Wall., Himal.  
*paniculata*, L.  
— var. *rosea*.  
*salicifolia*, L., N. Amer.  
*splendens*, Hort.
- Staphylea pinnata*, L., Eur.

<i>Symphoricarpus racemosus</i> , Michx., N. Amer.	<i>Thuja</i> — <i>cont.</i>
<i>Syringa Emodi</i> , Wall., Himal. vulgare, L. — var. <i>alba-grandiflora</i> , Hort.	<i>plicata</i> , Don., N. Amer. <i>Standishii</i> , Carr., Japan.
<i>Taxus baccata</i> , L., Eur., etc. — var. <i>adpressa-fastigiata</i> , Hort. — var. <i>Dovastonii</i> , Hort. — var. <i>fructu-luteo</i> , Hort. — var. <i>Washingtoni</i> , Hort.	<i>Ulex europaeus</i> , L., Eur. <i>Welwitschianus</i> , Planch., S.W. Eur.
<i>Thuja Dicksoni</i> , Hort. <i>gigantea</i> , Nutt., N.W. Amer. <i>occidentalis</i> , L., N. Amer.	<i>Vaccinium maderense</i> , Link., Azores.
	<i>Viburnum Lantana</i> , L., Eur. <i>Opulus</i> , L., Eur., etc. — var. <i>edule</i> , Hort. — var. <i>fructu-luteo</i> , Hort. — var. <i>roseum</i> , Hort.

ROYAL GARDENS, KEW.

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BULLETIN

OF

MISCELLANEOUS INFORMATION.

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APPENDIX II.—1890.

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NEW GARDEN PLANTS.

The number of garden plants annually described in botanical and horticultural publications, both English and foreign, is now so considerable that it has been thought advisable to publish a complete list of them in the *Kew Bulletin* each year (see April numbers for 1888 and 1889). The following list comprises all the new introductions recorded during 1889. These lists are indispensable to the maintenance of a correct nomenclature, especially in the smaller botanical establishments in correspondence with Kew, which are, as a rule, only scantily provided with horticultural periodicals. Such a list will also afford information respecting new plants under cultivation at this establishment, many of which will be distributed from it in the regular course of exchange with other botanic gardens.

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1890.

*Price Two pence.*

The present list includes not only plants brought into cultivation for the first time during 1889, but the most noteworthy of those which had been re-introduced after being lost from cultivation. Other plants included in the lists have been in gardens for several years, but either were not described or their names had not been authenticated until recently.

In addition to species and botanical varieties all hybrids, whether introduced or of garden origin, but described for the first time in 1889, are included. Mere garden varieties of such plants as *Coleus*, *Codiaeum*, or *Narcissus* are omitted for obvious reasons.

Reference is given only to the place where the plant is first described, or figured, or where additional information is published.

Besides the natural order and country, a brief notice of the habit and most striking points of each plant is given, but it is not considered necessary to attempt botanical descriptions.

In every case the plant is cited under its published name, although some of the names are doubtfully correct. Where, however, a correction has appeared desirable this is added.

The name of the person in whose collection the plant was first noticed or described is given where known.

An asterisk is prefixed to all those plants of which examples are in cultivation at Kew.

The publications from which this list is compiled, with the abbreviations used to indicate them, are as follows:—*B. M.*—Botanical Magazine. *B. T. O.*—Bulletino della R. Società Toscana di Orticultura. *Bull. Cat.*—Bull. Catalogue of New, Beautiful, and Rare Plants. *Dammann Cat.*—Dammann & Co., Catalogue of Bulbs, Roots, and Plants. *Gard.*—The Garden. *G. C.*—Gardeners' Chronicle. *G. and F.*—Garden and Forest. *Gfl.*—Gartenflora. *H. G.*—Hamburger Garten- und Blumenzeitung. *Ill. H.*—L'illustration Horticole. *Jard.*—Le Jardin. *J. of H.*—Journal of Horticulture. *L.*—Lindenia. *Nat. Arb. Zösch.*—Neuheiten-Offerte des National-Arboretums zu Zösch. *O.*—L'Orchidophile. *R.*—Reichenbachia. *Rgl. Descr.*—Regel, Descriptions et emendationes Plantarum in horto imperiali botanico Petropolitano cultarum, 1889. *R. H.*—Revue Horticole. *R. H. B.*—Revue de l'Horticulture Belge. *Veitch Cat.*—Veitch & Sons' Catalogue of Plants. *Veitch Man. Cypr., and Maslev.*—Veitch & Sons' Manual of Orchidaceous Plants, Cypripedium, and Masdevallia. *W. G.*—Wiener Illustrierte Garten-Zeitung. *Williams Cat.*—Williams' New and General Plant Catalogue. *W. O. A.*—Warner and Williams' Orchid Album.

The abbreviations used in the descriptions of the plants are:—*Diam.*—Diameter. *Fl.*—Flower. *Fr.*—Fruit. *ft.*—Foot or Feet. *G.*—Greenhouse. *H.*—Hardy. *H. H.*—Half-hardy. *in.*—Inches. *Inf.*—Inflorescence. *L.*—Leaves. *lin.*—Line (one-twelfth of an inch). *Per.*—Perennial. *Pet.*—Petals. *S.*—Stove. *Sep.*—Sepals. *Shr.*—Shrub.

*Acer dasycarpum*, var. *pulverulentum*, Hort. (*R. H. B.* 1889, 268.) Sapindaceæ. H. tree. A form of the Silver Maple, in which the l. are spotted with white, and the tips of the young shoots tinted with red.

*Acer Negundo* foliis marginatis aureis, Hort. (*R. H. B.* 1889, p. 268.) H. tree. A form with l. bordered with golden yellow, as constant as the silver variegated variety, but of more vigorous growth. (Raised by Guichard, Orleans.)



**Acer Negundo**, var. **Guichardi**, Hort. (*R. H. B.* 1889, p. 268.) H. tree. A form with the l. all yellow, like those of the Golden Elder; growth fairly vigorous. Raised by the nurseryman whose name it bears.

\***Aciphylla Lyallii**, Hook. f. (*W. G.* 1889, p. 123.) Umbelliferæ. H. per. This is mentioned as being introduced into cultivation by T. Smith of Newry. New Zealand.

**Acineta Wrightii**, Fraser. (*Gard.* World, 1889, v. 5, p. 673; *L.*, v. 4, p. 88.) Orchidææ. A fine robust species, with ovate bulbs marked on their faces with two grooves, and bearing 2-4 coriaceous, lanceolate, acute l. Fl.-stem 2-3 ft. long, with numerous handsome fl. Sep. and the smaller pet. yellowish, dotted with purple. Lip. 3-lobed, the lateral lobes whitish, the terminal lobe purple, with a white border, pubescent in the middle, crest oblong, brown-purple, pubescent with purple hairs. This is *Lacana spectabilis*, Rehb. f. Mexico. (E. H. Watts, Chiswick.)

**Adiantum tetraphyllum**, H. B. var. **obtusum**, Kuhn. (*Ill. H.* 1889, p. 65, pl. 86.) Filices. S. Fern, with graceful bipinnate fronds, 8-10 in. high. Stipes brown, pinnae 4-6, pinnales trapezoid obtuse. Congo. (*L'Horticulture Internat.*)

**Adiantum Paradisæ**, Baker. (*G. C.* 1889, v. 6, p. 558.) G. A well marked species, with the habit of *A. æthiopicum*. Fronds 6 in. broad and long, pinnae petioled; ultimate segments crenate at the apex. S. Africa. (J. G. Wood, Grahamstown.)

**Æchmea purpurea**, Williams. (*Williams Cat.* 1889, p. 22.) Bromeliaceæ. A distinct looking plant, with arching l., 12-18 in. long, pale green at the tips, purplish-green towards the base, and assuming in the summer time a crimson-purple hue. Columbia.

**Æsculus chinensis**, Bunge. (*W. G.* 1889, p. 452.) Sapindaceæ. H. tree. A horse-chestnut with the divisions of the l. distinctly stalked, oblong-oblanccolate, finely serrate; and a panicle of rather small fl. China.

**Aganisia cyanea**, Rolfe (not of Rehb. l.). (*G. C.* 1889, v. 6, p. 492.) Orchidææ. Syn. *Warrea cyanea*, Ldl. *Bot. Reg.* 1845, t. 28.

**Agave Maximowicziana**, Regel. (*Gf.* 1889, p. 483.) Amaryllidaceæ. G. L. 1½ ft. long, 3½ in. broad, oblanceolate, green,

densely repand-denticulate on the margins. Fl.-stem 6½ ft. high. Fl. sessile, geminate, green, in a dense spike. (St. Petersburg Bot. Gard.)

**Albuca trichophylla**, Baker. (*G. C.* 1889, v. 6, p. 94.) Liliaceæ. G. A small species allied to *A. juncifolia*, Baker. It has small bright yellow fl., and slender pubescent subterete l. Natal. (Cambridge Bot. Gard.)

\***Allamanda violacea**, Gardn. (*G. C.* 1889, v. 6, p. 304.) Apocynaceæ. S. A handsome climber, distinct from all other species in having rose-purple fl. It was in cultivation in 1861, but soon afterwards lost. Brazil. (Kew.)

**Allium Alexianum**, Rgl. (*Rgl. Descr.*, p. 5.) Liliaceæ. H. Bulb globose; stem hollow; l. 2-3 or more, elliptic-oblong, or oblong-lanceolate 1-2 in. broad, glabrous; umbel many flowered, fl. whitish, striped with brownish-purple. Turkestan. (St. Petersburg Bot. Gard.)

**Allium ammophilum**, Heuff. (*Rgl. Descr.*, p. 5.) H. bulb, in the way of *A. senescens*, but with whitish-yellow fl. marked with reddish nerves, sweet-scented. Banat, Austria. (St. Petersburg Bot. Gard.)

\***Allium cyaneum**, Rgl. (*Rgl. Descr.*, p. 6.) H. bulb similar to *A. kansuense*, but the leaves are all filiform-terete, not channelled; and the stamens are twice as long as the blue fl. Kansu, North China. Syn. *A. cyaneum*, var. *macrostemon*, Rgl. (St. Petersburg Bot. Gard.)

**Allium hierosolymæ**, Rgl. (*Dammann Cat.* 1889, p. 3.) H. H. Dwarf, about 8 in. high, with small round bulbs, curved hairy l., and umbels of white fl. Palestine.

**Allium kansuense**, Rgl. (*Rgl. Descr.*, p. 6.) H. Bulbs slender, cylindrical, tufted; stem leafy to near the middle. L. linear channelled in the lower part, margins rough. Umbel many flowered, hemispherical; fl. blue, with the stamens shorter than the perianth segments. Kansu, North China. Syn. *A. cyaneum*, var. *brachystemon*, Rgl. (St. Petersburg Bot. Gard.)

**Allium orientale**, Boiss. var. **rubellum**, Rgl. (*Dammann Cat.* 1889, p. 3.) H. A pretty variety, with large, round, white-skinned bulbs, small glaucous l., and umbels of bright rosy fl.

**Allium Przewalskianum**, Rgl. (*Rgl. Descr.*, p. 5.) H. bulb with terete rush-like l., and an umbel of rosy-lilac fl. Kansu, China. (St. Petersburg Bot. Gard.)

- Allium Sprengeri**, Rgl. (*Rjl. Descr.*, p. 7; *Dammann Cat.* 1889, p. 3.) II. bulb, allied to *A. flavescens*, with ovoid bulbs crowded on a short rhizome, flat linear l., and a many-flowered umbel of yellowish fl. Jaffa, Syria. (Dammann & Co.)
- \***Aloe Monteiroyi**, Baker. (*G. C.* 1889, v. 6, p. 523.) Liliaceæ. S. A distinct species near *A. obscura*, Mill., but with longer, more channelled leaves, and duller coloured flowers. Delagoa Bay. (Kew.)
- Amaryllis Leeana**, Williams. (*Williams Cat.* 1889, p. 22.) S. bulb. Garden variety.
- \***Amorphophallus Eichleri**, Hook. f. (*Bot. Mag.*, t. 7091.) Aroidæ. A tuberous aroid with a solitary leaf 18 in. high, the blade much divided, green. Spathe cup-shaped, 2 in. across, purple and white; spadix 6 in. high, erect, club-shaped, brown. Stove. W. Trop. Africa. (Kew.)
- Ampelovitis Davidi**, Carr. (*R. H.* 1889, p. 204, with pl.) Ampelidæ. II. Vine, with the l. either simple, lobed, or digitate, shining green above, glaucous below. Fr. black, in loose bunches. North China.
- \***Angræcum germinyanum**, Hook. f. (*Bot. Mag.*, t. 7061.) Orchidæ. A loose-growing species with leafy stems, the leaves 2 in. long, the flowers solitary on axillary peduncles, pure white, with long subulate petals and sepals, a broad, tailed labellum, and a spur nearly 6 in. long. Stove. Madagascar. (Kew.)
- Angræcum kimbalianum**, Hort. See *A. polystachys*, P. Th.
- \***Angræcum polystachys**, P. Th. (*G. C.* 1889, v. 5, p. 552.) A small plant, with ligulate, bilobed l., and racemes of small, whitish-green fl. Syn. *A. kimbalianum*, Hort. (Hanover Bot. Gard.)
- Anhalonium prismaticum**, Lem. (*Gard.* 1889, v. 26, p. 238.) Cactaceæ. (i. succulent. A synonym of *Mammillaria aloides*, Monv. (Kew.)
- Anredera scandens**, Moq. (*Dammann Cat.* 1889, p. 4) Chenopodiaceæ. G. per. climber, with fleshy, light green l. and long cylindrical racemes of white fl. Texas.
- Anthurium Allendorffii**, Grusonii, Kolbii, Ortgiesii, and Wittmackii, Rössing. (*Gfl.* 1889, p. 121, t. 1293.) Aroidæ. S. A series of garden hybrids derived from *A. andreanum*, and *A. Lindigii*. (Gruson.)
- Anthurium andreanum**, var. *atropurpureum*, and *Louisæ-Pynaert*. (*R. H. B.* 1889, p. 169, with pl.) S. Two pretty hybrids between *A. andreanum* and *A. Chantierii*. (Makoy.)
- Anthurium burfordiense**, Hort. (*G. C.* 1889, v. 6, p. 700.) A garden hybrid very similar to *A. leolense*, *A. carneum*, &c. The spathe is large and coloured brilliant scarlet. (Sir Trevor Lawrence.)
- Anthurium chantinianum**, Martinet. (*R. H.* 1889, p. 157; *H. G.* 1889, p. 262.) A garden hybrid between *A. koubelianum* and *A. andreanum*. (Chantrier Brothers.)
- Anthurium cymbiforme**, N. E. Br. (*G. C.* 1889, v. 6, p. 67.) S. per. Allied to *A. ornatum*, Sch., which it resembles in its cordate leaves and large white ornamental spathe, with salmon-pink spadices. Colombia? (Bull.)
- Anthurium hardyanum**, Martinet. (*R. H.* 1889, p. 157; *H. G.* 1889, p. 262.) Garden hybrid between *A. andreanum* and *A. Eduardi*. (Chantrier Brothers.)
- Anthurium scherzerianum**, var. *atrosanguineum*, *nigricans*, *rotundiflorum* and *sanguineum*, Hort. (*W. G.* 1889, p. 113.) S. Garden varieties.
- Anubias heterophylla**, Engler. (*G. C.* 1889, v. 6, p. 67.) Aroidæ. S. per. Leaves about 1 ft. long by 3 in. broad, bright green, blotched with dull yellow; flowers small, not showy. Congo. (Bull.)
- Aquilegia cœruleochrysantha**. (*W. G.* 1889, p. 292.) Ranunculaceæ. Garden hybrid.
- Aquilegia flabellata**, S. and Z. var. *R. H. B.* 1889, p. 157, with pl.) Ranunculaceæ. II. per. A pretty variety, with white fl. (Vilmorin-Andrieux & Co.)
- \***Arisæma Wrayi**, Hemsl. (*G. C.* 1889, v. 5, p. 136.) Aroidæ. A well marked species, with leaves 9-18 in. high, the petioles green, mottled with reddish-brown; peduncles erect, 1-2 ft. long, each bearing a green and white spathe something like *A. nepenthoides* in size and shape. Stove. Perak. (Kew.)
- Arum detroncatum**, Damm. (*Dammann Cat.* 1889, p. 4 and p. 5, f. 2; *W. G.* 1889, p. 401, f. 64; and *H. G.* 1889, p. 509.) Aroidæ. II. H. per., with large flat tubers, cordate-triangular l., and large, shortly-stalked spathe, of a greenish-yellow, spotted with purple. Asia Minor.

- Arum sanctum**, Damm. (*Danmann Cat.* 1869, p. 3 and p. 5, f. 1; *Gfl.* 1889, p. 655; *H. G.* 1889, p. 509; *W. G.* 1889, p. 401, f. 65.) *H. H.* per., with large flat tubers, large cordate-triangular l., and large, long-stalked spathes of a velvety blackish-purple, with black spadix. Palestine.
- Arundinella anomala**, Steud. (*Gfl.* 1889, p. 167.) Gramineæ. *H.* grass of very dwarf habit, suitable for lawns, &c., and requiring cutting only twice a year. Japan. (Berger & Co.)
- Asplenium scandens**, J. Sm. (*G. C.* 1889, v. 5, p. 662.) Filices. A handsome stove fern with a stout creeping rhizome, and large multi-pinnatifid elegant fronds. New Guinea, &c. (Veitch & Sons.)
- \***Aster Herveyi**, Gray. (*G. and F.* 1889, p. 472, f. 131.) Compositæ. *H.* per. A slender plant 1-2 ft. high; slightly scabrous; l. obscurely serrate, ovate on naked petioles, upper ones lanceolate, fl. in loose corymbose heads, bright lilac or violet; rays narrow,  $\frac{1}{2}$  in. long. Rhode Island, N. America.
- \***Aster lindleyanus**, Torr. & Gray. (*G. and F.* 1889, p. 448, fig. 127.) *H.* per. A showy species, stems 1-2 ft. high, lower l. ovate, obscurely cordate, petioles winged; upper l. sessile, acuminate at both ends, serrate; fl. in loose panicles, pale violet; rays  $\frac{1}{2}$  in. long. N. America.
- Azalea dianthiflora**, Carr. (*R. H.* 1889, p. 391; *W. G.* 1889, p. 442.) Ericaceæ. *H.* A vigorous free-flowering shr. with rather large elliptic-oblong, softly hairy l. Calyx lobes long, pubescent. Corolla 3 in. in diam., rose or violet, dotted with dark brown. Pedicels tomentose. Japan. (Weisener.)
- \***Bakeria tillandsioides**, André. (*R. H.* 1889, p. 84, with pl.; *W. G.* 1889, p. 144.) Bromeliaceæ. *S.* A handsome Bromeliad, similar to *Tillandsia argentea* in appearance, with attenuate silvery l. and a lax panicle 16-20 in. high, of pretty rosy-purple fl. about  $\frac{1}{2}$  of an inch in diam. Brazil. (A. de la Devansaye.)
- Ballota suaveolens**, L. (*W. G.* 1889, p. 81; and *H. G.* 1889, p. 187.) Labiatæ. *S.* or *H.* *H.* annual of erect branching habit, with oval serrate l. and pretty blue fl. The whole plant is strongly scented. West Indies.
- Begonia coccinea**, Valler. (*R. H.* 1889, p. 181.) Begoniaceæ. *G.* Garden hybrid. (E. Vallerand.)
- Begonia Lemahontii**, Valler. (*Jard.* 1889, p. 258.) *G.* per. of compact habit, with oblique, acuminate dark green l., washed with purple beneath, wavy, toothed, and ciliate on the margin. Peduncles rising above the l., bearing cymes of white fl., tinted with rosy outside. Origin unknown.
- Begonia octopetala**, var. **Lemoinei**, Carr. (*R. H.* 1889, p. 32, f. 7.) Garden hybrid. (Lemoine.)
- Begonia patula**, Kl. (*Rgl. Descr.*, p. 13.) *S.* per. A suffruticose species, growing to 3 ft. in height, with obliquely cordate l. angulate or doubly toothed on the margin, dark green and sparsely hairy above, reddish beneath; and with many-flowered cymes of pink fl. Brazil. (St. Petersburg Bot. Gard.)
- Bifrenaria Harrisoniæ**, Rehb. var. **alba**, Kranzl. (*Gfl.* 1889, p. 651, t. 1312, f. 2.) Orchideæ. A variety with the sep. white tipped with reddish, the pet. ivory-white, and the lip yellow veined with purple on the side lobes, and the front lobe white veined with rose-red.
- Billbergia blireiana**, André. (*R. H.* 1889, p. 139.) Bromeliaceæ. *S.* Garden hybrid between *B. nutans* and *B. iridifolia*. (André.)
- Billbergia vexillaria**, André. (*R. H.* 1889, p. 467, f. 118 and pl.) Garden hybrid between *B. thyrsoidea*, var. *splendida* and *B. Moreli*. (André.)
- Billbergia Windii**, Makoy. (*Gfl.* 1889, p. 7, f. 3-5.) A garden hybrid between *B. nutans* and *B. decora*. (Makoy & Co.)
- \***Brodiaea Palmeri**, S. Wats. (*G. and F.* 1889, p. 244, 107.) Liliaceæ. A beautiful hardy bulb, 1-2 ft. high, l. numerous, lanceolate-linear, very thin; fl. umbellate, 1 in. long, bright purple. It produces small bulbils in large quantity on the surface of the ground. Lower California.
- Bulbophyllum fallax**, Rolfe. (*G. C.* 1889, v. 6, p. 558.) Orchideæ. An elegant little species, with a scape 8 in. long, bent acutely in the middle, and bearing small dark purple flowers. Assam (Seeger & Tropp).
- \***Bulbophyllum suavissimum**, Rolfe. (*G. C.* 1889, v. 5, p. 297.) A diminutive species, with arching racemes of small pale yellow flowers. Upper Burma. (C. Bill, Cheadle.)

- \**Cabomba aquatica*, Aubl. (*Bot. Mag.*, t. 7090.) Nymphaeaceæ. A small plant, with dimorphic leaves, the submerged ones being much divided, and the floating entire, circular and peltate. The flowers are small, yellow. Stove. Trop. America. (Kew.)
- \**Calanthe biloba*, Lindl. (*W. O. A.*, vol. 8, pl. 378.) Orchidææ. An evergreen species, with elongated stems, bearing several large lanceolate acute l., and a long-stalked raceme of many fl. Sep. and pet. oblong-lanceolate acuminate, purplish, tinged with yellow-brown; lip bilobed, purple streaked with white. Sikkim. (Kew.)
- Calanthe darblayana*, God. Leb. (*O.* 1889, p. 178, with pl.; *Gard.* 1889, v. 35, p. 228.) A garden hybrid between *C. Regneri* and *C. vestita*, var. *grandiflora* (var. *gigantea*). (Madame Darblay, St. Germain-les-Corbeil.)
- Calceolaria suffruticosa*, Carr. (*R. H.* 1889, p. 93.) Scrophulariææ. Garden variety.
- Calochortus obispoensis*, Lemmon. (*G. and F.* 1889, p. 160, f. 101.) Liliacææ. A very peculiar and striking species. Stems sparingly branched, 1-2 ft. high. L. narrow, acute, convolute, sepals orange and purple on a greenish-yellow ground, petals shorter, terminating abruptly, and usually cleft at summit, ground colour lemon yellow, orange towards base, tips reddish-brown, and covered with long delicate hairs of darker tint. Anthers of different shades of orange; filaments purplish. San Luis Obispo, California.
- Camassia Engelmannii*, Sprenger. (*B. T. O.* 1889, p. 101.) Liliacææ. H. Bulb very much larger than in the other forms of the genus. L. 8-12 in. long, about 1½ in. broad, glaucous above. Fl. bright blue in a lax raceme, the perianth segments not so distinctly nerved as in the other species. Rocky Mountains. (Damman & Co.)
- Canna indica*, var. *Bertini*, Carr. (*R. H.* 1889, p. 95.) Scitamineæ. Garden variety. (Bertin, Versailles.)
- Carludovica elegans*, Williams. (*Willigæ Cat.* 1889, p. 23 and p. 21, with fig.) Cyrtanthaceæ. S. An ornamental Palm-like plant with fan-like l., 3 ft. across, divided in four or five segments, which are again deeply divided into narrow segments.
- Carludovica palmifolia*, Hort. (*G. C.* 1889, v. 6, p. 250.) A provisional name for a plant introduced by B. S. Williams & Son, Upper Holloway. Stove.
- \**Carludovica rotundifolia*, Wendl. (*Bot. Mag.*, t. 7083.) Cyrtanthaceæ. A species much in the way of *C. palmifolia*, but larger, and with a flower scape as large again. Stove. Costa Rica. (Kew.)
- Carpinus japonica*, Bl. (*Gf.* 1889, p. 581.) Cupuliferæ. H. A dwarf tree with lanceolate-ovate, long-pointed l., doubly serrate on the margin. Male catkins cylindric, with spreading ovate bracts. Female catkins large, ellipsoidal, with large, toothed imbricate bracts. (Forest Acad., Münden.) Japan.
- Castanea vesca*, var. *japonica*. (*H. G.* 1889, p. 238. *Gf.* 1889, p. 167.) Cupuliferæ. H. tree. A variety of the Chestnut, having a white pubescence on the underside of the young l. Syn. *C. japonica*, Bl. Japan. (Ingegnoli Brothers, Milan.)
- Casuarina sumatrana*, Jungh. (*R. H.* 1889, p. 467.) Casuarinææ. S. shr. 4-5 ft. high, excessively branched, branches leafless, very slender, triquetrous. A useful plant for bouquets, &c. on account of its very slender plumose branchlets. Sumatra.
- \**Catasetum darwinianum*, Rolfe. (*G. C.* 1889, v. 5, p. 394.) Orchidææ. Flowered at Kew in 1888, when it was named *C. fuliginosum*, Lindl. by mistake. It produced two racemes, one of male flowers, the other female, both from the same pseudobulb. Brit. Guiana.
- \**Catasetum fimbriatum*, Ldl. var. *platypterum*, Rehb. f. (*G. C.* 1889, v. 5, p. 168.) A large flowered variety; colour of segments greenish-white with purple-brown streaks and dots; lip garlic green. (Sander & Co.)
- Catasetum galeritum*, var. *pachyglossum*, Rehb. f. (*G. C.* 1889, v. 5, p. 73.) Distinguished from the type by its almost square, thick, obtuse angled labellum. Stove. (Sir Trevor Lawrence.)
- \**Cattleya dowiana*, Batem. var. *chrysozoza*, Sander. (*R.* vol. 2, p. 71, t. 80.) Orchidææ. A handsome form, with bright yellow sep. and pet., and the lip having a large golden blotch on each side the disk, veined with dark crimson-purple. Columbia. (J. Coustell, Tooting Common.)
- Cattleya Eldorado*, var. *virginialis*, Warn. and Will. (*W. O. A.*, vol. 8, pl. 388.) This is the same as *C. virginialis* and *C. Walhii*. Brazil.

- Cattleya massaiana**, Warn. and Will. (*W. O. A.*, vol. 8, pl. 362.) A fine handsome form, with large fl. like those of *C. Dowiana*; having rosy-mauve sep. and pct., and a rich magenta-crimson lip, with a large yellow blotch on each side the throat, which is veined with yellow. Antioquia.
- Cattleya Mossiæ**, Hook. var. *bonsiensiana*, Linden. (*L.*, v. 4, p. 85, pl. 185.) A handsome form, with the fl. marbled with rosy-purple. (L'Horticulture Internat.)
- Cattleya Mossiæ**, Hook. var. *warotqueana*, Linden. (*L.*, v. 4, p. 99, pl. 192.) A handsome form, with large fl., white, delicately tinted with rosy, the lip with a rich orange-coloured throat, streaked with magenta-carmine in front. (L'Horticulture Internat.)
- Cattleya Nilsoni**, Sander. (*Gff.* 1889, p. 481.) Bulbs and l. similar to those of *C. guttata* and *C. velutina*. Fl. like that of *Lælia elegans*. Brazil. (Sander & Co.)
- Cavendishia spectabilis**, Bull. (*Bull. Cat.* 1889, p. 7.) Vacciniaceæ. G. A handsome subsucculent shrub, with oblong acuminate l., of a bright reddish-bronze on the young growths, changing to bright green. Fl. in short, compressed racemes, tubular, slightly swollen below, white, shaded with pink, and when in bud covered with rosy-carmine bracts. Columbia.
- Ceanothus americana variegata**, Hort. (*R. H. B.* 1889, p. 269.) Rhamnaceæ. H. sh. Garden variety, having the l. bordered with yellow.
- Ceanothus prostratus**, Benth. *Gff.* 1889, p. 139.) H. shr. of dwarf habit, with small, opposite, elliptic or obovate l., entire or toothed; fl. blue axillary. Oregon. (Forest Acad., Münden.)
- Cephalanthus occidentalis**, L. var. *angustifolius*, André. (*R. H.* 1889, p. 281, f. 71.) Rubiaceæ. H. shr. A form with the l. narrower than in the type, and lanceolate. (Lavallée.)
- Cerasus serotina**, var. *cartilaginea*, Hort. (*R. H. B.* 1889, p. 269.) Rosaceæ. A form with long, smooth, somewhat coriaceous leaves like those of common Cherry-Laurel.
- Cereus Pringlei**, Wats. (*G. and F.* 1889, v. 2, p. 304, fig. 92; *H. G.* 1889, p. 253.) Cactaceæ. A gigantic Cactus, with many angled stems, attaining a height of 30 ft. Flowers small, white tinged with purple. Mexico.
- Chamærops humilis**, var. *dactylocarpa*, Becc. (*B. T. O.* 1889, p. 80, t. 3; *H. G.* 1889, p. 377.) Palmæ. H. H. A variety with elongated fr.
- Citrus Daidai**, (*H. G.* 1889, p. 419.) Rutaceæ. S. shr. A variety of the Mandarin Orange.
- Clavija cauliflora**, Rgl. (*Rgl. Descr.*, p. 11.) Myrsinæ. S. tree. This is *Theophrasta antioquiensis*, Linden, referred to its proper genus. Antioquia.
- Clematis Colensoi**, Hook f. (*W. G.* 1889, p. 80.) Ranunculaceæ. H. H. per. similar to *C. indivisa*, with large yellow fl. New Zealand.
- Clematis Douglasii**, Hook. (*W. G.* 1889, p. 80.) H. per. A dwarf species, with large, blue, bell-shaped fl. N. America.
- Clematis intricata**, Bunge. (*W. G.* 1889, p. 81.) No description given. Said to have been distributed from the St. Petersburg Botanic Garden. Mongolia.
- \***Clematis verticillaris**, DC. (*W. G.* 1889, p. 80.) Something in the way of *C. Pitcheri*, with bluish-purple fl. N. America.
- \***Clerodendron paniculatum**, Lin. (*Gard.* 1889, v. 36, p. 286.) Verbenaceæ. A stove shrub, with 4-angled stems, cordate l., and terminal loose heads of bright crimson fl. Old World Tropics. (Kew.)
- \***Clianthus Dampieri**, A. Cunn. var. *germanicus*, Schultz. (*H. G.* 1889, p. 481.) Leguminosæ. Garden variety; no description given.
- \***Clintonia andrewsiana**, Torr. (*B. M.* t. 7092.) Liliaceæ. H. A useful plant for shady positions. Stem 1-1½ ft. high, l. oblong-acute, 6-8 in. long, 3-4 in. broad, fl. numerous in a terminal umbel, with smaller bunches lower down, claret-purple, ¼ in. long. N. America. (Kew and Edinburgh Bot. Gard.)
- Cocos Datil**, Gris. and Dr. (*B. T. O.* 1889, p. 211.) Palmæ. S. Palm, growing to 30 ft. high, with l. 10-13 ft. long. Argentine.
- \***Cocos eriopatha**, Mart. (*B. T. O.* 1889, p. 211.) S. The corrected name for *C. Blumnavi*, Hagee and Schm. South Brazil.
- Cocos petræa**, Mart. (*B. T. O.* 1889, p. 211.) S. An elegant dwarf Palm, about 3 or 4 ft. high, with l. not more than about 2½ ft. long. Andes of Bolivia.

- Convallaria majalis**, L. var. **prolificans**, Wittm. (*Gf.* 1889, p. 97, t. 1292.) Liliaceæ. H. A form with abnormal fl., the perianth being more or less deeply divided and the lobes more or less spreading. Garden variety. (Hillebrand & Bredemeier.)
- Cordia Gregii**, Torr., var. **Palmeri**, Wats. (*G. and F.* 1889, v. 2, p. 233, fig. 106.) Boraginæ. G. A showy flowering shrub 5 ft. to 10 ft. high, with small pubescent, toothed l., and terminal clusters of white fragrant fl., in size and form like those of *C. Sebestena*, Vell. N. Mexico.
- Cornus florida flore rubro**, Hort. (*R. H.*, 1889, p. 154.) Cornaceæ. H. shr. A variety having the fl. tinted with bright red. North America. (Parsons & Sons, New York.)
- Cornus sanguinea foliis aureomarginatis grandifolia**, Hort. (*R. H. B.* 1889, 269.) A sport, remarkable on account of its very large golden-variegated leaves.
- \***Crinum Schimperii**, Vatke. (*Gf.* 1889, p. 561, t. 1309.) Amaryllidæ. S. bulb, with an elongated neck, and 6-7 strap-shaped, glaucous l., slightly scabrous on the margin. Umbel about 4-flowered, fl. sessile, white, the tube rather abruptly curved just below the funnel-shaped limb; stamens white. (Berlin Bot. Gard.)
- Crocus Karduchorum**, Kotschy. (*Gard.* 1889, xxxvi., p. 426.) Iridæ. Corm of delicate membranous fibres, the cap produced into a bunch of sharp points. Sheathing l. equal to proper spathe, proper l. 1-2 in. long,  $\frac{3}{8}$  in. broad, those of the previous year persistent to autumnal flw. time. Proper spathe monophyllous, 1 in. high. Perianth tube long, throat unbearded, uniform in colour, with vinous-lilac segments, which are 1-1 $\frac{1}{2}$  in. long. Anthers, cream coloured, twice the length of the filaments. Style dividing near the summit of the anthers, spreading, cream coloured. September and October. Kurdistan, Armenia. (Max Leichtlin.)
- Crocus Mouradi**, Whittall. (*Gard.* 1889, xxxv. p. 473.) Iridæ. Corm oblate 1 in. broad,  $\frac{3}{4}$  in. high. Sheathing l. 4, the highest 5 in. above the corm; proper l. 7-8,  $\frac{1}{2}$  in. broad. Fl. bright orange, style pale orange, anthers pale yellow. A very vigorous grower, intermediate between *C. chrysanthus* and *C. aureus*. Mourad-dagh, Smyrna. (E. Whittall.)
- Croton alabamensis**, E. A. Smith. (*G. and F.* 1889, v. 2, p. 592.) Euphorbiaceæ. H. A woody shrub 6 to 10 ft. high, with whitish bark, oblong lanceolate scaly leaves, and racemes of small whitish flowers. Alabama. (Harvard.)
- Crysophila nana**, Bl. (*B. T. O.* 1889, p. 337.) Palmæ. S. Palm of dwarf habit, with roundish flabelliform l. Mexico.
- Cucurbita mexicana**, Hort. (*W. G.* 1889, p. 460.) Cucurbitaceæ. H. H. trailer of vigorous growth, no further description given. Mexico. (Dammann & Co.)
- Cymbidium albucaeflorum**, F. M. See **C. madidum**, Ldl.
- Cymbidium eburneo-lowianum**, Hort. (*G. C.* 1889, v. 5, p. 363.) Orchidæ. A garden hybrid with the habit of *C. eburneum*. Fl. fragrant, pale yellow or buff, with a crimson blotch on the labellum. (Veitch & Sons.)
- \***Cymbidium madidum**, Lindl. (*G. C.* 1889, v. 6, p. 406; *O.* 1889, p. 329.) The corrected name for *C. albucaeflorum*, F. Muell.
- Cymbidium Mastersii**, Griff. var. **album**, Rehb. f. (*R.*, vol. 2, p. 39, t. 66.) A form with pure white fl. except the keels, which are yellow. Assam. (E. Wallaert van der Reste, Brussels.)
- Cypripedium Aphrodite**, Veitch. (*Veitch Man. Cyp.* p. 76) Orchidæ. A garden hybrid between *C. niveum* and *C. laurænceanum*.
- Cypripedium Argus**, Rehb. f. var. **Moensii**, Veitch. (*Veitch Man. Cyp.* p. 11.) This is *C. moensianum*, Lindl. referred as a var. of *C. Argus*.
- Cypripedium Ashburtoniæ**, Rehb. var. **majus**, Veitch. (*Veitch Man. Cyp.* p. 79.) A garden hybrid between *C. barbatum* var. *Crossii* and *C. insigne*.
- Cypripedium Ashburtoniæ**, var. **superbum**, Williams. (*Williams' Cat.*, p. 23.) Garden hybrid between *C. barbatum* var. *superbum* and *C. insigne*.
- Cypripedium Beatrice**, N. E. Br. (*G. C.* 1889, v. 6, p. 266.) A hybrid raised by Mr. D. O. Drewett from *C. Boxallii* and *C. Lowii*.
- Cypripedium buchanianum**, Hort. (*Garden*, 1889, v. 35, p. 8.) Raised in the gardens of Mr. Buchan, Southampton, from *C. Druryi* and *C. spicerianum*.

**Cypripedium Cassiope**, Rolfe. (*G. C.* 1889, v. 5, p. 200.) Raised by Messrs. Seeger and Tropp, Dulwich, from *C. venustum* and *C. Hookera*.

**Cypripedium claptoniense**, Rehb. f. (*G. C.* 1889, v. 5, p. 168.) Raised by Messrs. Hugh Low & Co. from *C. harrisianum* and *C. villosum*.

**Cypripedium crossianum**, var. *psittacinum*, Rehb. f. (*G. C.* 1889, v. 5, p. 9.) Raised by Messrs. F. Sander & Co. from *C. insigne Maulei* and *C. venustum spectabile*.

**Cypripedium crossianum**, var. *tautzianum*, Rehb. f. (*G. C.* 1889, v. 5, p. 43.) Stove. (F. Tautz.)

**Cypripedium De Witt Smith**, Rolfe. (*G. C.* 1889, v. 6, p. 6.) A garden hybrid raised by Low & Co., Clapton, from *C. spicerianum* and *C. Lowii*.

**Cypripedium Euryale**, Veitch. (*Veitch Man. Cyp.*, p. 83.) A garden hybrid between *C. lawrenceanum* and *C. superbians*.

**Cypripedium Figaro**, O'Brien. (*G. C.* 1889, v. 6, p. 750.) Raised by Messrs. Seeger and Tropp, Dulwich, from *C. spicerianum* and *C. ananthum-superbum*.

**Cypripedium Godefroyæ**, var. *Marizæ*, Kerch. (*R. H. B.* 1889, p. 97, with pl.; *H. G.* 1889, p. 317.) A handsome form with very large fl., similar to the var. *bellatulum*, but having the lateral sep. notched at the apex. (Jules Hye-Lysen.)

**Cypripedium insigne**, var. *halleanum*, Rehb. f. (*G. C.* 1889, v. 5, p. 168.) Differs from all known forms of this species in having the petals covered with numerous dots of chocolate brown. Greenhouse. (W. Hall, Upper Tulse Hill.)

**Cypripedium harrisianum**, Rehb. f. var. *polychromum*, Linden. (*L.*, v. 4, p. 47, pl. 166.) Garden hybrid. (Dr. Carnas, Louviers.)

**Cypripedium insigne**, Wall. var. *Sanderæ*, Veitch. (*Veitch Man. Cyp.*, p. 33.) A form with primrose-yellow fl., the upper sep. broadly bordered with white and marked with a few brown dots on the central veins. In the pet. and lip the venation is almost obliterated.

**Cypripedium longifolium**, Rehb. f. var. *gracile*, Veitch. (*Veitch Man. Cyp.*, p. 65.) A small flowered form, with narrow l. and slender scapes.

**Cypripedium Minerva**, Rolfe. (*G. C.* 1889, v. 6, p. 404.) A hybrid raised by Mr. R. H. Measures, Streatham, from *C. venustum* and *C. harrisianum elegans*.

**Cypripedium Niobe**, Hort. (*G. C.* 1889, v. 6, p. 701.) Raised by Messrs. Veitch from *C. fairreanum* and *C. spicerianum*.

**Cypripedium Orestes**, Veitch. (*Veitch Man. Cyp.*, p. 94; *Veitch Cat.* 1889, p. 14.) A garden hybrid between *C. harrisianum* and *C. insigne* var. *Maulei*?

**Cypripedium robustius**, Rehb. f. (*G. C.* 1889, v. 5, p. 394.) Raised in the garden of Baron N. von Rothschild, Vienna, from *C. Sedeni* and *C. longifolium*.

**Cypripedium Sedeni**, var. *albanense*, Veitch. (*Veitch Man. Cyp.*, p. 105.) Garden hybrid between *C. Schludii* and *C. Sedeni*?

**Cypripedium T. B. Haywood**, Rolfe. (*G. C.* 1889, v. 5, p. 428.) Raised by Messrs. Veitch from *C. superbians* and *C. Druryi*.

**Cypripedium venusto-spicerianum**, O'Brien. (*G. C.* 1889, v. 5, p. 394.) A hybrid raised by Mr. D. O. Drewett, Mill-on-Tyne. It has the general appearance of *C. spicerianum*.

**Cytisus nigricans**, var. *nana*, Hort. (*G. and F.*, 1889; 164.) Leguminosæ. This is a well-known garden plant, **Cytisus capitatus**, Scop.

**Damnacanthus indicus**, Gærtn. (*Gf.* 1889, p. 359.) Rubiaceæ. H. or G. evergreen shr., with opposite shining green l. and tubular white fl., succeeded by small scarlet berries; the fl. and fr. being on the plant at the same time in the spring render it very ornamental. Japan. (Berger & Co.)

**Davallia foniculacea**, Hook. (*Williams' Cat.* 1889, p. 33.) Filices. An evergreen S. Fern, with a short, thick, decumbent stem, and quadripinnate, finely cut fronds, 1½–2 ft. high, the pinnules cut down to the rachis into narrow, entire, or forked segments.

\***Delphinium trolliifolium**, Gray. (*Gard.* 1889, xxxv, p. 523.) Ranunculaceæ. A very distinct and striking species. Stems stout, from 2–4 ft. in height, glabrous or slightly hairy; l. long petioled, 5–7 lobed; the lobes laciniately cleft and toothed, with acuminate segments; raceme loose, few flowered, with longish pedicels; fl. bright blue, 1–1½ in. broad, the spur as long as the sepals. Oregon. (Thompson.)

\***Dendrobium bracteosum**, Rehb. f. (*G. C.* 1889, v. 6, p. 493.) Orchidæ. A small plant with compact heads of tiny flowers, the segments rosy, and the lip bright orange. Syn. *D. chrysolabrum*, Rolfe. New Guinea. (Sir T. Lawrence.)

- Dendrobium chlorostele-xanthocentrum**, Rehb. f. (*G. C.* 1889, v. 5, p. 490.) Raised in the gardens of Sir Trevor Lawrence from the two species indicated by the name.
- Dendrobium chrysolabrum**, Rolfe. (*G. C.* 1889, v. 5, p. 770.) A synonym of *D. bracteosum*, Rehb. f.
- \***Dendrobium Fairfaxii**, Rolfe. (*G. C.* 1889, v. 5, p. 798.) A small plant; pseudo-bulbs 3-4 in. long; racemes terminal, 4 in. long; white, green, and purple on the lip. New Hebrides. (Admiral Fairfax.)
- \***Dendrobium gracilicaulis**, F. Muell. (*Bot. Mag.*, t. 7042.) A near ally of *D. kingianum*, differing chiefly in the colour of the flowers, which are yellow with red spots. Australia. (Kew.)
- Dendrobium lineale**, Rolfe. (*G. C.* 1889, v. 6, p. 381.) Resembles *D. canaliculatum*; pseudo-bulbs 2 ft. high, racemes a foot long, fl. white with purple spots on the lip. New Guinea. (Veitch & Sons.)
- Dendrobium transparens**, var. *alba*, Rolfe. (*G. C.* 1889, v. 6, p. 95.) A pretty variety, with flowers wholly white. Stove. (Sander & Co.)
- Dendrobium wardiano-aureum**, Hort. (*G. C.* 1889, v. 5, p. 490.) Raised by Messrs. Veitch, from *D. wardianum* and *D. aureum*.
- \***Dentaria Killisii**, Brügger. (*G. C.* 1889, v. 6, p. 446.) Cruciferae. A handsome hybrid between *D. digitata* and *D. polyphylla*, more robust than either of the parents. Alps.
- Dentaria pinnato-digitata**, Rapin. (*G. C.* 1889, v. 6, p. 446.) An interesting hybrid, intermediate between the two parents. L. pinnate; fl. like those of *D. digitata*. Jura Mountains. (H. Correvon.)
- Dentzia gracilis**, S. and Z., var. *foliis aureis*, Hort. (*R. H. B.* 1869, 270.) Saxifragae. A form with golden leaves.
- Diastema Lehmanni**, Rgl. (*Rgl. Descr.*, p. 11.) Gesneraceae. S. per. in the way of *D. picta*, clothed with glandular hairs. L. stalked, ovate, crenate; fl. solitary, axillary, pedicels shorter than the l., corolla with a cylindrical tube and spreading ovate lobes, white, spotted, and lined with violet. New Granada. (St. Petersburg Bot. Gard.)
- Dicksonia Billardieri**, Muell. (*Gf.* 1869, p. 637, f. 90.) Filices. A synonym of *D. antarctica*.
- Diglossophyllum serrulatum**, Wendl. (*B. T. O.* 1889, p. 337.) Palmae. S. This is the Palm known as *Chamaerops*, and *Serenoa serrulata*. Texas, Florida.
- \***Diplarrhena Moraea**, Lab. (*Bull. Cat.* 1839, p. 8; *G. and F.*, v. 3, p. 391.) Iridae. A greenhouse plant allied to *Libertia*, with terminal spikes of white and blue fl. Australia. (Bull.) Cultivated at Kew since 1873.
- \***Disa tripetaloides**, N. E. Br. (*G. C.* 1889, v. 5, p. 360.) Orchidaceae. G. A species like *D. racemosa*, with spikes of from 10 to 30 fl., each about an inch across, white and pink, spotted with crimson. Syn. *Orchis tripetaloides*, Linn. f. South Africa. (J. O'Brien.)
- Dodecatheon Lemoinei**, (W. G. 1889, p. 159.) Primulaceae. A garden hybrid between *D. integrifolium* and *D. jef-frayanum*.
- \***Dracena marmorata**, Baker. (*Bot. Mag.*, t. 7078.) Liliaceae. S. A large growing plant allied to *D. arborea*, *D. Hookeri*, &c., but with the leaves bright green, copiously marbled with grey. Singapore. (Kew.)
- \***Drosera cistiflora**, Linn. (*G. C.* 1889, v. 5, p. 523.) Droseraceae. G. A large flowered species with the habit and l. of *D. cupensis* and cup-shaped fl., 2 in. across, coloured poppy-scarlet. South Africa. (Kew.)
- \***Echinocactus bolansis**, Runge. (*Gf.* 1889, p. 106, f. 21.) Cactaceae. G. succulent, with simple or branched cylindrical stems, growing 12-16 in. high; ribs 8-13, spiral, densely covered with interlacing white spines, of which 10-24 are radiating and four are central. Fl. red. Mexico.
- \***Elaeagnus Simoni**, var. *tricolor*, Hort. (*R. H. B.* 1889, 270.) Elaeagnaceae. In this form the margins of the l. are dark green, and the centres variegated with golden and greenish yellow.
- Encephalartos regalis**, Bull. (*Bull. Cat.* 1879, p. 8 and p. 4, with fig.) Cycadaceae. S. A noble decorative plant, with a stout cylindrical trunk, crowned with from 12 to 20 pinnate l., 6-7 ft. long, the leaflets being lanceolate, with occasional spines on the upper margin. Doubtfully distinct from *E. Hildebrandti*, A. Br. and Bouché. Zululand.
- Enkianthus campanulatus**, Hk. f. (*B. M.*, 7059.) Ericaceae. H. An ornamental deciduous shrub, with short racemes of dark red bell-shaped fl. Syn. *Andromeda campanulata*, Miq. Japan. (Veitch & Sons.)



- \**Eomecon chionantha*, Hance. (*B.M.*, t. 6871; *Gard.* 1889, xxxv., p. 76, with plate.) Papaveraceæ. A fine H. per. intermediate between *Stylophorum* and *Sanguinaria*. L. all radical, 1-2 ft. high, broadly cordiform, with a deep open sinus, margin broadly sinuate, apex rounded. Scape 1-2 ft. high, reddish, erect, subpaniculately branched; fl. 2 in. in diam., white, faintly nerved, stamens numerous, yellow. China. (Kew.)
- Epidendrum radiatum*, Ldl., var. *tuscatum*, Rehb. f. (*G. C.* 1889, v. 5, p. 43.) A variety with the fl. wholly purplish. (Sir T. Lawrence.)
- \**Epiphyllum makoyanum*, Hort. (*Gard.* 1889, v. 35, p. 375; *H. G.* 1889, 419; *J. of H.* 1889, p. 362, fig.; *R. H. B.* 1889, p. 229, with pl.) Cactaceæ. S. This is identical with the plant described a few years ago as *E. russellianum*, var. *Gaertneri*. It is evidently a good species, and quite distinct from *E. russellianum*, Gard. Brazil. (Veitch & Sons.)
- Eria marginata*, Rolfe. (*G. C.* 1889, v. 5, p. 200) Orchideæ. Plant, 6 in. high, with oblong leaves and a hairy raceme bearing two whitish flowers, the lip coloured pale yellow, with a red margin. Stove. Birmah. (J. Bonham Carter.)
- Erigeron speciosus*, D. C., var. *superbus*, Hort. (*Gard.* 1889, xxxvi., p. 377.) Compositæ. A fine free flowering variety with much larger blooms than the type. Garden variety.
- \**Eucalyptus staigeriana*, F. Muell. (*G. C.* 1889, v. 5, p. 437, fig. 81.) Myrtaceæ. One of the few species with fragrant foliage. Flowers white. Hardy at La Mortola, where it has been cultivated some years. (T. Hanbury.)
- Eucharis Lehmanni*, Regel. (*Gff.* 1889, p. 313, t. 1300, f. 1; *Regel Descr.*, p. 7.) Amaryllidæ. S. bulb, with two elliptic-oblong, l. and an umbel of about four white fl., an inch and a half in diam., corona deeply, 12-toothed. Popayan. (St. Petersburg Bot. Gard.)
- Eugenia Garberi*, Sargent. (*G. and F.* 1889, v. 2, p. 28, fig. 87.) Myrtaceæ. S. A tree 50 to 60 ft. high, trunk 18 in. in diameter; with ovate oblong leaves and small axillary clusters of white flowers. Florida.
- Eulalia gracillima*, var. *univittata*, Carr. and André. (*R. H.* 1889, p. 516.) Gramineæ. H. grass of ornamental character, forming large tufts, and having long, gracefully bent l., banded along their middle with yellow. Japan. (Truffaut.)
- Eulophia bella*, N. E. Br. (*G. C.* 1889, v. 6, p. 210.) Orchideæ. G. A pretty species, equal in size to *E. streptopetalata*. Scape about 2 ft. high, bearing a dozen fl., each 1½ in. across, and coloured yellow, white, carmine, rose, green, and brown. Zambesi. (J. O'Brien.)
- Eulophia callichroma*, Rehb. f. (*G. C.* 1889, v. 6, t. 298.) An unattractive plant, introduced by Mr. O'Brien from the Zambesi.
- Eupatorium japonicum*, Thbg. (*R. H.* 1889, p. 163.) Compositæ. H. herbaceous per. in the way of *E. cannabinum*, with opposite trifoliate l., pubescent beneath, and corymbs of white fl. Japan, Formosa.
- Euphorbia heterophylla*, L. (*W. G.* 1889, p. 485, f. 77.) Euphorbiaceæ. H. annual, with pandurate, or variously shaped l., the bracts being of a red colour at their base. North America. (Dammann and Co.)
- Fraxinus Regelii*, Dippel. (*Nat. Arb. Zosch.* 1889-1890, p. 7.) Oleaceæ. H. Ash-tree of ornamental character; no description given. Central Asia.
- \**Fritillaria bucharica*, Regel. (*B.M.*, t. 7080.) Liliaceæ. An interesting but not very showy species. Bulb globose; stem 1 ft. long; l. numerous, sessile, alternate, lanceolate, 3-4 in. long. In-flor. a lax, many flowered raceme; bracts large, foliaceous, linear, or lanceolate; perianth greenish-white, campanulate, 1 in. long, not tessellated; seg. oblong; fl. April. Central Asia. (H. J. Elwes.)
- Fritillaria hericaulis*, Baker. (*G. C.* 1889, vi., p. 38.) Hardy bulb, fl. in April; stem 4-5 inches high, one headed, bearing four erect, alternate sessile l.; lower l. oblong obtuse, upper l. lanceolate, fl. dark purple, not tessellated, obscurely pitted. A near ally of *F. armena*. Chodohadur Dagh, Asia Minor. (Max Leichtlin.)
- \**Galanthus Fosteri*, Baker. (*G. C.* 1889, v., p. 458; *Gard.* 1889, xxxvii., p. 592.) Amaryllidæ. H. bulb, flowering in February; l. bright green, 6 in. long, 1 in. wide. Peduncle slender, shorter than the l. Spathe valve green, linear-convolute, 2 in. long, fl. white, outer seg. oblong spatulate, convex on back, 1-1½ in. long, inner seg. obovate-cuneate. N. C. Asia Minor. (Michael Foster.)
- \**Galanthus umbricus*, Damm. (*Dammans Cat.* 1889, p. 4.) H. A very early flowering form of *G. nivalis*; the large bluish-green l. are produced after

- the fl., which resemble those of *G. Imperati*, white, with a greenish-yellow spot on the inner segments. Umbria, Italy.
- Genista oweniana**, Hort. (*G. C.* 1889, v. 5, p. 342.) Leguminosæ. *G.* A hybrid raised by Mr. R. Owen, Maidenhead, from *G. everestiana* and *G. elegans*.
- Geonoma Herbstii**, Hort. (*Gard.* 1889, v. 35, p. 463.) Palmæ. Very similar to *G. gracilis*, but broader in the leaf segments. Stove. (Lasing & Sons.)
- \*Gerbera Jamesoni**, Bolus. (*G. C.* 1889, v. 5, p. 772, fig. 122; *B. M.* t. 7987; *Gard.* 1889, v. 36, p. 340, plate 722.) Compositæ. *G. per.* A beautiful composite with a tuft of Lactuca-like leaves and erect scapes, bearing large heads of Gazania-like flowers 4 in. across, and coloured rich orange-scarlet. Natal. (Kew.)
- \*Gladiolus Adlami**, Baker. (*G. C.* 1889, v. 5, p. 233.) Iridæ. *H.?* A distinct species not unlike *G. cardinalis*, but with much smaller fl., coloured dull yellow, with minute red spots. Transvaal. (Cambridge Bot. Gard.)
- \*Gladiolus atroviolaceus**, Boiss. (*Dammann Cat.* 1889, p. 4; *W. G.* 1889, p. 411.) *H.* A distinct and handsome plant, with short, narrow l. striped bluish-green, and 7-12 large fl. with the three upper segments dark purple, almost black, and the lower ones purple or blue, with a white central stripe. Palestine.
- Gladiolus Leichtlini**, Baker. (*G. C.* 1889, v. 6, p. 154.) *H.* A fine plant, with the habit and stature of *G. Pupilio* and colours of *G. psittacinus*. Transvaal. (Max Leichtlin.)
- Gladiolus punctatus**, Thunb. (*Dammann Cat.* 1889, p. 4.) *G.* or *H. H.* bulb, producing 2-4 light green l., and 2-3 large fl. of a greenish-yellow, inside spotted with purple on the centre of the three upper segments, and outside striped and spotted with brownish-purple.
- Gladiolus turicensis**, Gumbleton. (*G. C.* 1889, v. 6, p. 183.) *H.* A hybrid raised by M. Lemoine, of Nancy, from *G. gandavensis* and *G. Saundersii*.
- Gladiolus victorialis**, Sprenger. (*W. G.* 1889, p. 309.) Garden hybrid between *G. communis* and *G. Colvillei*.
- Gossypium Comesii**, Sprenger. (*B. T. G.* 1889, p. 308, t. 10.) Malvacæ. *G. shr.* A variety of Cotton with 3-5 lobed l., and yellow fl. with a blood-red spot at the base of the pet. Syn. *G. indicum*, Lamk. var. *Comesii*, Sprenger.
- \*Grammatophyllum measuresianum**, Hort. (*G. and F.* 1889, v. 2, p. 524.) Orchidæ. A Provisional name for a plant which is very similar to *G. fenlicanum*, Rehb. f. It has stout fleshy pseudo-bulbs, large leathery green l., and stout erect scapes, 5 ft. or more high, with about 60 large flowers coloured yellow with dark brown blotches. Philippine Islands. (Sander & Co.)
- \*Gymnocladus chinensis**, Baillon. (*W. G.* 1889, p. 231.) Leguminosæ. *H. tree*, with large bipinnate l. the pinnae with numerous oblong obtuse leaflets; the fl. are in short racemes and not showy; the pods are 3-4 in. long, very thick, and contain a soft substance inside, used by the Chinese women for washing the face. Soap Tree. China.
- Gymnogramma elegantissima**. (*Bull. Cat.* 1889, p. 8 and p. 6, with fig.; *H. G.* 1889, 513.) Filices. An elegant *S. fern*, with bipinnate fronds, the pinules being cut into narrow segments.
- Gypsophila raddeana**, Rgl. (*Rgl. Descr.*, p. 14.) Caryophyllæ. *H. per.* of very dwarf capitate habit, with small, crowded, ovate-deltoid, subacute l. and solitary pale rosy fl., striped with darker. Eastern Persia. (St. Petersburg Bot. Gard.)
- Habenaria macowaniana**, N. E. Br. (*G. C.* 1889, v. 5, p. 168.) Orchidæ. A small species, with small unchained flowers. Syn. *Brachycorythis macourantana*, Rehb. f. South Africa. (J. O'Brien.)
- Helianthus mollis**, Lam. var. *cordatus*, S. Wats. (*G. and F.* 1889, p. 136, f. 100.) Compositæ. *H. per.* of great merit. Stems 5-5 ft. high, leafy, branching; l. broadly ovate, acute; fl. large, orange-yellow, on long leafy peduncles. Western Georgia and Texas.
- \*Heracleum flavescens**. (*Jard.* 1889, p. 155, with fig.) Umbelliferae. *H. per.* A less vigorous species than *H. pubescens* or *H. persicum*, but more ornamental on account of its more abundant and more divided foliage. Austria.
- Hibiscus rosa-sinensis**, var. *intermedius*, Bull. (*Bull. Cat.* 1889, p. 8 and p. 3, with fig.) Malvacæ. *S. A garden hybrid* between *H. rosa-sinensis* var. *magnificus* and *H. schizopetalus*.
- Hydrangea aspera**, Don? (*Gff.* 1889, p. 461.) Saxifragæ. *H. shr.* resembling *H. paniculata* in habit, with lanceolate, ovate, or almost obovate, l., acuminate at apex, wavy and serrate at

the margin, beneath grey-green, and thickly covered with hairs. Barren fl. large, numerous, white. Pekin. (Forest Acad., Münden.)

**Imantophyllum blandfordiæ-flo-**  
**rum, var. striatum**, Bull. (*Bull. Cal.*  
1889, p. 8.) Amaryllidæ. A hand-  
some G. bulb, with the L striated with  
creamy-yellow, and dense heads of  
Blandfordia-like fl., crimson-carmine  
outside, the segments margined with  
salmon-buff.

**Impatiens Rodigasi**, L. Lind. (*Ill.*  
*H.* 1889, p. 25, pl. 78.) Geraniaceæ.  
(Balsamineæ.) S. A pretty Balsam  
with opposite or whorled, ovate-lanceo-  
late, acute, serrate l., and axillary rosy-  
purple fl. on long pedicels, having a  
long slender spur curved forward. Java.  
(L'Horticulture Internat.)

**Iris alata**, Poir. vars. *alba*, *cinerea*,  
*cupreata*, *lilacina*, *magna*, *nigres-*  
*cens*, and *speciosa*, all of Hort.  
Dammann. (*B. T. O.* 1889, pp. 16-17.)  
Iridæ. H. A series of colour  
variations sent out by Dammann & Co.

\***Iris atropurpurea**, Baker. (*G. C.*  
1889, v., p. 330; *Gf.* 1889, p. 655.)  
Handsome Iris belonging to the *Oncocy-*  
*clus* group; rootstock stout, furnished  
with fleshy fibres, l. linear glaucous,  
 $\frac{1}{2}$  ft. long. Spathe one-flwd. Perianth  
tube green, longer than the ovary. Falls  
oblong-cuneate, 2 in. long,  $1\frac{1}{2}$  in.  
broad; limb purplish-black, with a dense  
beard of yellow hairs down the claw.  
Standards orbicular-unguiculate, erect,  
3 in. long, 2 in. broad. Syria. (Dam-  
mann & Co.)

\***Iris bakeriana**, Foster. (*B. M.*, t.  
7084; *Gard.* 1889, xxxvi., p. 495-570;  
*W. G.* 1889, p. 404.) A very beautiful  
new addition to the *reticulata* group,  
flowering February and March; l. 3-4  
to a bulb, subulate, hollow, with eight  
distinct ridges in long spirals, glaucous,  
6-9 in. long at fl. time, eventually  
12 in. long. fl. single, spathe cylin-  
drical, valves unequal, lanceolate, per-  
tube 3 in. long. Outer seg. with a  
long obovate-elliptical claw, the blade  
on upper half and edges, rich dark  
violet, the lower part marked with violet  
spots on a creamy ground. Inner seg-  
ments rather short, pale lilac. Armenia.  
(Michael Foster.)

**Iris Bornmulleri**, Hausskn. (*W. G.*  
1889, p. 404.) See *I. Danfordiæ*.

**Iris caucasica**, Hoffm. var. *cœrulea*,  
Regel. (*G. C.* 1889, v., p. 588.) Re-  
sembling *I. caucasica* in all but colour  
of fl.; fl. pale lilac lined with violet,  
with yellow patch on fall. Caucasus.  
(Michael Foster.)

**Iris caucasica**, Hoffm. var. *oculata*  
Regel. (*G. C.* 1889, v., p. 588.) Similar  
to type, fl. yellow with blue markings  
Caucasus. (Michael Foster.)

\***Iris Danfordiæ**, Boiss. (*G. C.* 1889,  
vi., p. 279.) A handsome early spring  
flowering species, a near ally of *I. juncea*.  
Bulb ovoid, half as broad as long.  
Proper leaves all radical, narrow linear  
glabrous, produced after flowering.  
Scape 3-4 inches high, 1-flwd.; fl.  
orange-yellow; falls spotted brown, and  
obscurely bearded, standards reduced to  
fine threads. Cician Taurus. (Max  
Leichtlin.) Syn. *Xiphium Danfordiæ*,  
Baker. *Iris Bornmulleri*, Haussk. *Flora*  
1889, p. 140.

\***Iris Gatesii**, Foster. (*Gard.* 1889,  
xxxv., p. 523; *Journ. Roy. Hort.*  
*Soc.*, vol. 11, p. 144.) A magnificent  
new Iris of the *Oncocyclus* group. In  
the way of *I. susiana*, but more robust,  
and with larger fl. Fl. variable in colour,  
silvery-yellowish, netted with small dis-  
tinct lines, and minute spots of purple  
grey. Armenia. (Max Leichtlin.)

**Iris juncea**, Desf. var. *numidica*,  
Sprenger. (*W. G.* 1889, p. 443.) H. H.  
A handsome variety with light yellow fl.,  
having the falls veined with black, and  
in general effect unlike any other Iris.  
Atlas Mountains. (Dammann & Co.)

**Iris lusitanica**, Ker. var. *Viviani*,  
Sprenger. (*W. G.* 1889, p. 356.) A  
handsome variety, with large yellow fl.  
of a wax-like consistence. The falls are  
sulphur yellow with transparent veins  
and marked with a large golden blotch.  
Syn. *I. Viviani*, Sprenger. Portugal.

\***Iris Meda**, Stapf. (*B. M.*, t. 7040.) A  
well marked, not particularly showy  
species. Rhizome short creeping;  
l. linear, glaucescent, 3-4 in. long;  
stem as long as leaves, one-headed;  
spathe one-flwd., valves lanceolate;  
perianth tube cylindrical, 1 in. long;  
seg. of the limb greenish yellow, veined  
from top to bottom with brown; outer  
seg. oblong-cuneate, reflexed, brown in  
the centre, with a dense yellow beard;  
inner seg. as long as outer narrow, erect.  
Persia. (Michael Foster.)

\***Iris stylosa**, Desf. var. *grandiflora*,  
Hort. (*G. C.* 1889, vi., p. 666.) Habit  
of type, but with very large deep purple  
flowers.

\***Jankæa Heldreichii**, Boiss. *G. C.* 1889,  
vi., p. 415.) Gesneraceæ. H. per. Allied  
to *Ramondia* and *Huberlea*; l. covered  
with a fine white tomentum; fl. cup-  
shaped, deep violet. Olympus, Thessaly.  
(Max Leichtlin.)

- \**Kniphofia aloides*, Mönch. var. *glaucescens*, Hort. (*Gard.* 1889, xxxvi., p. 458, with plate.) Liliaceæ. A garden variety with very large heads of fl.
- \**Kniphofia natalensis*, Baker. (*Gard.* 1889, xxxvi., p. 459; *G. C.* 1889, vi., 562.) A rather pretty doubtfully hardy species, l. bright green, 2-3 ft. long, fl. stem 2-3 ft. high, heads rather loose, 6-8 in. long, fl. orange-red, with darker red veins, the lower or older ones yellow slightly tinged red. Natal. (Kew.)
- \**Kniphofia Northia*, Baker. (*Journal of Bot.* 1889, p. 43; *Gard.* 1889, p. 36, p. 459; *G. C.* 1889, vi., p. 562.) *L.* 30-50 in a regular rosette, glaucous, channelled, on the face, and without any keel; margins finely serrated. Fl. stems stout 4-6 ft. high; heads dense, 1 ft. long, 4-5 in. diam.; fl. pale yellow, upper ones reddish, style slightly exserted. S. Africa. (Kew.)
- \**Kunzea pomifera*, Muell. (*G. C.* 1889, v. 5, p. 201, fig. 36; *W. G.* 1889, p. 156.) Myrtaceæ. G. A little shrub with terminal clusters of fruit like those of *Myrtus regni*, and known as the "Muntries" of the natives of Australia. They are extensively used for jam making.
- Lachenalia quadricolor*, Jacq. var. *præcox*, Sprenger. (*G/fl.* 1889, p. 649, t. 1312, f. 1.) Liliaceæ. G. bulb. A form that flowers about Christmas time. (Dammann & Co.)
- Lælia anceps*, var. *amabilis*, Rehb. f. (*G. C.* 1889, v. 5, p. 104.) Orchidææ. Fl. white with a yellow lip marked with purple lines and streaks. (Sander & Co.)
- Lælia autumnalis*, var. *alba*, Hort. (*G. C.* 1889, v. 6, p. 420.) A pure white flowered variety. (Veitch & Sons.)
- Lælia digbyana*-*Mossia*, Veitch. (*G. C.* 1889, v. 5, pp. 658, 742, fig. 111; *Gard.* 1889, v. 35, p. 469; *O.* 1889, p. 175, with fig.) A magnificent hybrid raised by Messrs. Veitch from *L. digbyana* and *Cattleya Mossia*. In size and colour the fl. resemble the *Cattleya*, but the lip is deeply fringed as in the *Lælia*. It is one of the finest hybrids raised.
- Lælia dellensis*, Hort. (*G. C.* 1889, v. 5, p. 695.) Raised in the gardens of Baron Schroeder, Egham, from *L. purpurata* crossed with *L. elegans*.
- Lælia præstans*, var. *alba*, Hort. (*G. C.* 1889, v. 6, p. 420.) G. Fl. ivory white, with a crimson tipped lip. (Bull.)
- Lælia superbians*, var. *quesneliana*, Warn. and Will. (*W. O. A.*, vol. 8, pl. 383.) A handsome form, with rosy-mauve sep. and pet., and the lip of an intense magenta purple, with yellow crests and disk. Mexico and Guatemala.
- Lælia Victoria*, Bergm. (*O.* 1889, p. 268.) A hybrid between *L. crispata* and *Cattleya Dominii*.
- Lælio-Cattleya Anrora*, Rolfe. (*G. C.* 1889, v. 6, p. 380.) Orchidææ. G. Raised from *L. pumila*, var. *dayana*, crossed with *Cattleya Loddigesii*, by Messrs. Veitch. The flowers are exceedingly beautiful.
- Lælio-Cattleya Cassiope*, Rolfe. (*G. C.* 1889, v. 6, p. 620.) G. A garden hybrid raised by Messrs. Veitch from *Lælia pumila* and *L. exoniensis*.
- Lælio-Cattleya elegans*, var. *Cooksoni*, Rolfe. (*G. C.* 1889, v. 6, p. 586.) G. A variety of *Lælia elegans*, Rehb. f. distinguished by its entire, bright crimson-purple lip. (N. C. Cookson.)
- Lælio-Cattleya Stella*, Rolfe. (*G. C.* 1889, v. 6, p. 322.) G. The result of crossing *L. crispata* with *L. elegans*, var. *Wolstenholmie*. It was raised and flowered by Messrs. Veitch.
- \**Laportea moroides*, Wedd. (*Bot. Mag.*, t. 7057.) Urticaceæ. A stinging-nettle with an erect robust stem, ovate-cordate leaves, peltate and purple raspberry-like fruits in pendant bunches. Stove. Greenhouse. (Kew.)
- Lasiosiphon anthylloides*, Meisn. (*G. C.* 1889, v. 6, p. 446.) Thymelæaceæ. G. shr. with oblong l., and heads of soft yellow flowers. Allied to *Gnidia*. Cape. (Cambridge Bot. Gard.)
- Latace Volkmanni*, Philippi. (*G/fl.* 1889, p. 369, t. 1302, f. 1.) Liliaceæ. G. bulb with about two narrow l., and an umbel of small white fl., tubular in the lower half; stamens three, with three sterile filaments alternating with them. Andes of Santa Ross. Perhaps not in cultivation.
- Lilium auratum*, vars. *macranthum*, *pictum*, and *rubrovittatum*. (*G/fl.* 1889, pp. 463 and 496.) Liliaceæ. H. bulbs. A series of varieties differing in habit and colour. (T. S. Ware.)
- Lilium Bolanderi*, Wats. (*G/fl.* 1889, p. 384.) H. bulb with a purplish stem, and ovate bluish-green l. Fl. bell-shaped, with lanceolate segments of a purple-red colour, dotted with blood red inside. California. (T. S. Ware.)

- Lilium elegans*, vars. *Batemanniæ*, and *Wallacei*, Hort. (*Gfl.* 1889, p. 497.) H. bulb. The var. *Batemanniæ* is a tall form with 3-12 dark yellow fl. The var. *Wallacei* is a dwarf form, usually one-flowered, spotted with brown, and having stoloniferous bulbs. Japan.
- Lilium Martagon*, var. *album*, Hort. (*G. C.* 1889, v. 5, p. 809.) H. A white flowered form of the well known Turk's-cap Lily. (Ware & Son.)
- Lilium Martagon*, L. var. *atrosanguineum*, Dammann. (*B. T. O.* 1889, p. 40, t. 2.) H. bulb. A form with dark purple fl. Europe. (Dammann & Co.)
- Linaria multipunctata*, var. *erecta*, Hort. (*R. H.* 1889, p. 328.) Scrophulariaceæ. Garden variety.
- Lilium pardalinum*, var. *luteum*, Hort. (*G. C.* 1889, v. 6, p. 52.) H. A variety with the fl. coloured Indian yellow, spotted with brown. Hardy. (Ware & Son.)
- Lilium pardalinum*, var. *pumilum*, Ware. (*Gfl.* 1889, p. 410.) A garden hybrid between *L. pardalinum* and *L. parvum*. (T. S. Ware.)
- \**Lilium Wallichianum*, var. *superbum*, Low. (*Gfl.* 1889, p. 554; *G. C.* 1889, v. 5, 809.) A handsome Lily, with linear or lanceolate l., bulbiferous in their axils, and large funnel-shaped fl. of a light yellow, shaded with purple-rose at the apex of the segments. Himalayas. (Low & Co.)
- Liparis fulgens*, Rolfe. (*G. C.* 1889, v. 6, p. 620.) Orchidæ. A pretty little plant with bright red flowers. It was introduced by Messrs. Horsman & Co., Colchester, and is supposed to have come from the Philippine Islands. Stove.
- Lobelia Kernerii*. (*Gfl.* 1889, p. 302; *H. G.* 1889, p. 365.) Campanulacæ. G. per., with broad lanceolate toothed l. in a rosette, and similar l. along the stem, the upper part of which is covered with violet-purple fl. Costa Rica. (Max Leichtlin.)
- Lonicera bella*, Zabel. (*Gfl.* 1889, p. 525.) Caprifoliacæ. Garden hybrid between *L. Morrowi* and *L. tatarica*. (Forest Acad., Münden.)
- Lonicera floribunda*, Boiss & Buhse. (*Gfl.* 1889, p. 525.) H. shr., with small grey-green ovate l. Fl. very numerous, lateral on short twigs, pale rose-coloured, about  $\frac{1}{2}$  in. long. N. Persia and Turkestan. (Forest Acad., Münden.)
- Lonicera gibbiflora*, Dippel. (*Nat. Arb. Zösch.* 1889-1890, p. 8.) H. shr. No description. Amur.
- \**Lonicera gigantea*, Hort. (*R. H. B.* 1889, 271.) L. glaucous, nearly blue; fl. golden yellow. (Raised by Monsieur Oudin de Lisieux.)
- Lonicera micrantha*, Trantv. (*Gfl.* 1889, p. 524.) H. A tall bush, with lanceolate-ovate to obovate l., nearly glabrous or slightly hairy. Fl. small pale pink, becoming yellowish after flowering. Berries small, red. Syn. *L. tatarica* var. *micrantha*. (Forest Acad., Münden.)
- Lonicera minutiflora*, Zabel. (*Gfl.* 1889, p. 523.) Garden hybrid between *L. macrantha* and *L. Morrowi*. (Forest Acad., Münden.)
- Lonicera misera*, Zabel. (*Gfl.* 1889, p. 523.) Garden hybrid between *L. micrantha* and *L. Xylosteum*. (Forest Acad., Münden.)
- Lonicera notha*, Zabel. (*Gfl.* 1889, p. 525) and vars. *alba*, *carneorosea*, *gilva*, *grandiflora*, and *ochroleuca*, Zabel. Garden hybrids between *L. ruprechtiana* and *L. tatarica*. (Forest Acad., Münden.)
- Lonicera permixta*, Zabel. (*Gfl.* 1889, p. 523.) Garden hybrid between *L. micrantha* and *L. tatarica*. (Forest Acad., Münden.)
- Lonicera propinqua*, Zabel. (*Gfl.* 1889, p. 580.) A garden hybrid between *L. alpigena* and *L. Ledebourii*. (Forest Acad., Münden.)
- \**Lonicera quinquelocularis*, Hardw. (*Gfl.* 1889, p. 492.) H. shr., with elliptic or ovate l., pubescent beneath, ciliate on the margin; pedicles very short, or almost none; fl. of moderate size, yellowish; berries white. Himalaya. (Forest Acad., Münden.)
- Lonicera salicifolia*, G. Dieck. (*Gfl.* 1889, p. 524.) Garden hybrid between *L. micrantha* and *L. ruprechtiana*. (Forest Acad., Münden.)
- Lonicera segreziensis*, Dippel. (*Nat. Arb. Zösch.* 1889-1890, p. 8.) H. shr. The above name is given to a plant that has been cultivated in many places under the false name of *L. hispida*.
- Lonicera segreziensis*, Lavallée. (*Gfl.* 1889, p. 493.) The corrected name for *L. diversifolia* of gardens. (Forest Acad., Münden.)
- Lonicera splendens*, Hort. (*G. and F.* 1869, 6, 268.) One of the numerous forms of *L. tatarica*.

- Lonicera translucens**, Zabel. (*Gf.* 1889, p. 493.) *H. shr.*, with ovate acute l., rounded or slightly cordate at the base; the fl. are like those of *L. quinquelocularis*, but slightly larger and of a darker yellow colour. Himalaya. (Forest Acad., Münden.)
- Lourya campanulata**, Baill. (*R. H.* 1889, p. 128, f. 32.) Liliaceæ. *S. per.*, very similar to *Aspidistra* in foliage and habit. Fl. in dense heads at the base of the l. close to the ground, campanulate, yellowish-white, with a black disk-like mark at the base, inside. Cochinchina. (Jardin des Plantes, Paris.)
- Lycaste jamesiana**, Hort. (*Gard.* 1889, v. 35, p. 502.) Orchidæ. A variety of *L. Skinneri* with white flowers, save the base of the petals and inside the column, which are rich magenta. (Measures, Streatham.)
- Lycoris Terracianii**, Damm. (*Dammann Cat.* 1889, p. 4.) Amaryllidæ. *H. bulb.*, stated to be a variety of *L. radiata*, with very large crimson fl., which are edged with white when fading. Syn. *L. radiata* var. *variegata*, Baker.
- Manihot carthaginensis**, Müll. (*W. G. p.* 454.) Euphorbiaceæ. *H. H. or G. tree* of slender habit, with large palmate l. of a fresh green colour; very ornamental.
- Mammillaria Grusoni**, Runge. (*Gf.* 1889, p. 105, f. 20.) Cactaceæ. *G. succulent*, with globose stem; the tubercles are four-sided and naked in their axils, bearing 14 radiate spines and two central spines, reddish when young, becoming white with age; fl. yellow. Mexico.
- Masdevallia caudata** - Estradæ, Roife. (*G. C.* 1889, v. 5, p. 714; *Veitch, Man. Masdev.*, p. 74.) *G.* Raised by Messrs. Veitch from the two species indicated by the name.
- Masdevallia chelsoni**, var. *splendens*, Roife. (*Veitch, Man. Masdev.*, p. 74; *G. C.* 1889, v. 5, p. 619.) *G. M. chelsoni* was raised from *M. amabilis* and *M. veitchiana*, the latter being the pollen parent. The form *splendens* is the result of the same cross, but with *M. amabilis* as the pollen parent. (Veitch & Sons.)
- Masdevallia Chimæra**, Rehb. f. var. *gorgona*, Veitch. (*Veitch, Man. Masdev.*, p. 81.) A variety with the ground colour of the fl. canary-yellow, densely spotted with red-purple, and the lip tinged with pale orange-red. Syn. *M. gorgona*, Hort.
- Masdevallia coccinea**, Lind. var. *conchiflora*, Veitch. (*Veitch, Man. Masdev.*, p. 34.) Orchidæ. A form with larger fl., having the lateral sep. broader, rounder, and concave. Syn. *M. harricana* var. *conchiflora*, Hort. Bull.
- Masdevallia courtauldiana**, Rehb. f. (*G. C.* 1889, v. 5, p. 200; *Veitch, Man. Masdev.*, p. 74.) *A G. hybrid.* Raised by Mr. Norman Cookson from *M. rosæ* and *M. Shuttleworthii* (*caudata*).
- Masdevallia ellisiana**, Roife. (*G. C.* 1889, v. 6, p. 154; *Veitch, Man. Masdev.*, p. 75.) *G. A hybrid* raised by Messrs. Veitch from *M. harricana* and *M. ignea*.
- Masdevallia maculata**, Kl. var. *flava*, Veitch. (*Veitch, Man. Masdev.*, p. 52.) A small flowered form, with the tails of an uniform tawny yellow.
- Massonia amygdalina**, Baker. (*G. C.* 1889, v. 6, p. 715.) Amaryllidæ. *G.* A small flowered terrestrial plant. Leaves ovate; flowers in a dense head, white, almond scented. Cape. (Sir Charles Strickland.)
- Maxillaria crocea**, Ldl. var. *Lietzei*, Rgl. (*Rgl. Descr.*, p. 10.) Orchidæ. A variety having the scapes shorter than the l., and the lip oblong, obsoletely three-lobed, the middle lobe entire, disk papillose-pubescent, yellow, with the margin and outside purple-brown. Brazil. (St. Petersburg Bot. Gard.)
- Miltonia Bleui**, God. Leb. (*O.* 1889, pp. 45 and 121, and p. 145, with pl. as *Miltoniopsis Bleui*, Bleu, vars *auræa* and *splendens*, Bleu; *L.*, v. 4, p. 67, pl. 176.) Orchidæ. Garden hybrid between *M. vexillaria* and *M. Roezlii*. Syn. *M. Bleuana*, Linden; and *Odontoglossum Bleui*, God. Leb. (Bleu.)
- Miltonia schroederiana**, O'Brien. (*G. C.* 1889, v. 6, p. 210.) This is *Odontoglossum schroederianum*, Rehb. f. of 1887 (not of 1882), now referred to *Miltonia*.
- Miltonia vexillaria**, var. *Leopoldii*, Hort. (*G. C.* 1889, v. 6, p. 334.) Fl. richly coloured, with a very dark triangular blotch at the base of the lip. (Baron Schröder.)
- Miltonia vexillaria**, var. *purpurea* Hort. (*G. C.* 1889, v. 5, p. 471.) A variety with very deep-coloured flowers. (F. Tautz.)
- Miltoniopsis Bleui**, Bleu. (*O.* 1889, p. 145, with pl., and see pp. 63 and 179) See *Miltonia Bleui*.

- \**Mucuna sempervirens*. (G. and F. 1889, 266.) Leguminosæ. Introduced to England in 1816, but lost to cultivation soon afterwards. Has been re-introduced from China by Kew.
- Mulgedium giganteum*, Hort. (W. G. 1889, p. 225.) Compositæ. H. per. of imposing appearance, 6-8 ft. high, with panicles of blue-violet fl.
- \**Musa japonica*, Hort. (R. H. 1889, p. 491.) Scitamineæ. H. H. per. of vigorous habit, something in the way of *M. sinensis*.
- \**Muscari maweanum*, Baker. (G. C. 1889, v., p. 648.) Liliaceæ. H. bulb of merit; l. spreading linear, 6-8 in. long,  $\frac{1}{2}$  in. wide, slightly glaucous, and deeply channelled down the face; peduncles 3-4 in. high; racemes dense, 2 in. long, 1 in. in diam.; fl. bright light blue, oblong, slightly constricted at throat; seg. round, white. Armenia. (G. Maw.)
- Muscari tenuiflorum*, Hort. Belv. (W. G. 1889, p. 443.) H. H. bulb, allied to *M. comosum*, with subulate, channelled l., and a spike of two kinds of fl., the lower ones pendulous, pear-shaped, and olive-green; the upper ones on longer stalks, nearly cylindrical, and of a deep violet-blue.
- \**Myosotis Reichsteineri*. (W. G. 1889, p. 290; Gard. 1889, v., 35, p. 420.) Boraginæ. A dwarf variety of *M. carpitosa*, about 2 in. high. (Smith, Newry.)
- Narcissus juncifolio-muticus*, Baker. (G. C. 1889, vi., p. 161, f. 22; R. H. 1889, p. 517.) Amaryllidæ. H. A very interesting natural hybrid resembling the well-known *N. odoratus*, varying with 1-4 lemon-yellow flws. Gavarnie, Pyrenees. (C. Wolley Dod.)
- \**Narthex Pollaki*, Stapf. (W. G. 1889, p. 411.) Umbelliferae. This is a synonym of *Dorema ammoniacum*.
- \**Neillia Torreyi*, Wats. (G. and F. 1889, v. 2, p. 4, fig. 84.) H. per. Similar to *N. opulifolia*, but more compact in habit, and only two or three feet in height. Rocky Mountains. (Arnold Arbor.)
- Nepenthes Burkeii*, Mast. (G. C. 1889, v. 6, p. 493, fig. 69.) S. A handsome plant, remarkable for its cylindrical wingless pitchers, narrowed in the middle, and coloured green with blotches of red. Borneo. (Veitch & Sons.)
- Neprodium pallidum*, var. *cristatum*, Williams. (Williams' Cat., p. 23.) Filices. S. fern; a variety with crested fronds, said to yield a delicious perfume.
- \**Nerine angustifolia*, W. Watson. (G. C. 1889, v. 6, p. 195.) The plant described as *N. flexuosa*, var. *angustifolia*, Baker. Natal, Orange Free State. (Kew.)
- Nonelia insignis*, Franch. (R. H. 1889, p. 229, f. 60.) Compositæ. H. H. or H. ? shr. or small tree, with lanceolate l., 3-8 in. long, tomentose beneath; and heads of white fl. (Yunnan, China.)
- \**Nymphaea albo-pygmaea*, Wats. (G. C. 1889, v. 6, p. 138.) Nymphaeaceæ. G. Raised by Mr. Sturtevant of New Jersey, by crossing the two species indicated in the name. The flowers are intermediate in size and character, the habit of the plant being that of *N. alba*. (Kew.)
- Nymphaea marliacea*, var. *chromatella*. (Jard. 1889, p. 43, with pl.) This is *N. tuberosa*, var. *flavescens*, Oliv.
- Nymphaea mexicana*, Zucc. (W. G. 1889, p. 413.) H. H. Water-lily, with shining yellow fl. (T. Smith.)
- Nymphaea sphaerocarpa*, var. *rosea*, Hort. (Gfl. 1889, p. 389.) Seems to be another name for *N. alba* var. *rosea*. (Wildpark, near Potsdam.)
- Ocimum comosum*, Dammann. (W. G. 1889, p. 485, f. 76.) Labiatæ. H. H. annual in the way of *O. basilicum*, with bright green l. and blackish-purple fl. (Dammann & Co.)
- Odontoglossum Alexandræ*, var. *Wilsonii*, Wurm. and Will. (W. O. A., vol. 9, pl. 387.) Orchidæ. A variety with rosy-tinted sep. and pet., and a white lip with a yellow disk, all parts being blotched with chestnut-brown. Bogota. (A. Wilson, Sheffield.)
- Odontoglossum bleichröderianum*, J. and L. Linden. (L., v. 4, p. 69, pl. 177.) A handsome plant in the way of *O. crispum*, with rosy-tinted sep. and pet. spotted with purple, lip lanceolate acute, white, with a large purple blotch in the middle. (L'Horticulture Internat.)
- Odontoglossum Bleui*, God. Leb. (O. 1889, p. 63.) See *Miltonia Bleui*.
- Odontoglossum Brandtii*, Kranz. and Wirtm. (Gfl. 1889, p. 378 and p. 537, t. 1308; G. C. 1889, v. 6, p. 531.) Something in the way of *O. lindleyanum*, of which it is probably a variety. Sep. and pet. yellow, spotted with brown

- on the basal part; lip white, spotted with purple-brown, crests two, horn-like. Columbia. (R. Brandt, Charlottentburg.)
- Odontoglossum Cervantesii**, Llav. and Lex. var. *lilacinum*, Linden. (*L.*, v. 4, p. 59, pt. 172.) A handsome variety, with rosy-lilac fl. (Van Imschoot.)
- Odontoglossum crispum**, var. *ruck-erianum superbum*, André. (*R. H.* 1889, p. 60, with pl.) A form with handsome rosy-tinted fl. (A. Peeters, Brussels.)
- Odontoglossum grusonianum**. (*L.*, v. 4, p. 83.) Stated to be a var. of *O. andersonianum*, with pale yellow fl., having the spots almost black. (L'Horticulture Internat.)
- Odontoglossum Hallii**, Lindl. var. *Lindenii*, Linden. (*L.*, v. 4, p. 83, pl. 184.) A form with richly coloured fl. (L'Horticulture Internat.)
- Odontoglossum Hallii**, Lindl. var. *superbum*. (*L.*, v. 4, p. 83.) A form with very dark fl. bordered with yellow, and having a white lip.
- Odontoglossum harryanum**, var. *flavescens*, Rolfe. (*G. C.* 1889, v. 6, p. 38.) A remarkable variety, the flowers being wholly yellow. (Mr. A. Wilson, Sheffield.)
- Odontoglossum harryanum**, var. *pavonium*, Rehb. f. (*G. C.* 1889, v. 5, p. 428.) A richly marked variety with a delightful perfume. (Backhouse & Sons.)
- Odontoglossum hebraicum**, var. *aspersum*, Rehb. f. (*R.*, vol. 2, p. 69, t. 79.) Seems scarcely to differ from the ordinary form. (Baron Schroöder.)
- \***Odontoglossum hunnewellianum**, Rolfe. (*G. C.* 1889, v. 6, p. 67; *G. and F.*, v. 2, p. 489.) A distinct and handsome species allied to *O. schillerianum*. The flowers are 2 in. across, yellow, with large brown blotches, the lip creamy-white, spotted with brown, the edges crisped and undulate. Greenhouse. Colombia. (Sander & Co.)
- Odontoglossum luteopurpureum**, var. *crispatum*, Rehb. f. (*G. C.* 1889, v. 5, p. 232, fig. 41.) A variety with the whole front half of the lip convolute into deep folds. (E. Mundy, Derby.)
- Odontoglossum peetersianum**. (*L.*, v. 4, p. 83.) No description. (Peeters, Brussels.)
- Odontoglossum Pescatorei**, Linden var. *hyeanum*, Hort. (*L.*, v. 4, p. 83.) A handsome, large-flowered form. (J. Hye.)
- Odontoglossum Pescatorei**, Lind. var. *lindenianum*, Linden. (*L.*, v. 4, p. 71, pl. 178.) A beautiful form, with the sep. striate with rosy, the white pet. dotted with blood-red, and the lip white with yellow crests and purple side lobes.
- Odontoglossum Pescatorei**, var. *thomsonianum*, Hort. (*G. C.* 1889, v. 6, p. 534.) A richly spotted, deep-coloured form which appeared in the collection of H. M. Polett.
- Odontoglossum Rossii**, Lind. var. *momianum*, Linden. (*L.*, v. 4, p. 73, pl. 179.) A striking variety, with the sep. heavily blotched with blood-red, and the pet. marked along the middle with a series of blotches of the same colour; the lip is veined with rosy. Mexico. (Charlé.)
- Odontoglossum vexillarium**, Rehb. f. var. *fastuosum*, Hort. (*L.*, v. 4, p. 83.) A variety with fl., having rosy pet. and a white lip. (Van Imschoot.)
- Odontoglossum vexillarium**, var. *Leopoldi*, Rehb. f. (*G. H.* 1889, p. 65.) A variety similar to var. *superbum*, but with a differently shaped lip, streaked with purple at the base. (P. Van Geert.)
- Odontoglossum warocqueanum**, J. and L. Linden. (*L.*, v. 4, p. 75, pl. 180.) A handsome form, similar to *O. crispum*, with white fl., sparingly spotted on the centre of the sep. and pet. with purple-brown, and the lip with a large central spot of the same colour. (G. Warocqué.)
- Odontoglossum wendlandianum**, Rolfe. (*G. C.* 1889, v. 6, p. 7; *G. and F.* 1889, v. 2, p. 490.) G. Supposed to be a natural hybrid between *O. crispum* and *O. cirrhosum*. It has the habit and foliage of *O. crispum* and flowers like those of *O. cirrhosum*, but coloured yellow with brown spots. New Grenada. (Sander & Co.)
- \***Olearia insignis**, Hook. f. (*Bot. Mag.*, t. 7034.) Composite. A low, tubular-headed, robust bush, the stems densely clothed with a white felt; leaves leathery oblong, 4-6 in. long. Peduncles one-flowered, heads an inch across, white. Greenhouse. New Zealand. (Kew.)
- Oncidium Forbesii**, Hook. var. *maximum*, Linden. (*L.*, v. 4, p. 43, pl. 164.) Orchideæ. A large flowered form.
- Oncidium Widgreni**, Ldl. (*G. C.* 1889, v. 5, p. 537.) G. Allied to *O. cornigerum*, but with far brighter colours, the flowers being bright yellow with bars of light reddish-brown. Brazil. (Marquis of Londonderry.)



- Opuntia lucida.** (W. G. 1889, p. 146.) Cactaceæ. G. Succulent, 3-4 ft. high, having the branches covered with a network of shining spines, and producing large, rose-like, fragrant, yellow fl.
- \***Opuntia polyacantha.** Mill. (B. M., f. 7046.) The proper name of the plant cultivated in gardens as *O. missouriensis*, D.C.
- \***Ornithogalum apertiflorum.** Baker. (G. C. 1889, v. 6, p. 38.) Liliaceæ. G. Allied to *O. narbonneuse*. Leaves slender, 6 in. long; spike 18 in. long; flowers greenish-white,  $\frac{3}{4}$  in. across. Oriental. (Kew.)
- Pachyrhizus thunbergianus.** Rich. (W. G. 1889, p. 153.) Leguminosæ. H. per. climber, with trifoliolate l. and violet fl., marked with a yellow spot on the upper petal. Japan. (Ingegnoli Brothers, Milan.)
- \***Papaver lævigatum.** Bieb. (G. C. 1889, v. 6, p. 20, f. 4; Gard. 1889, xxxvi., p. 17.) Papaveraceæ. H. A handsome annual species. Stems much branched, 1-2 ft. high, l. pinnate, fl. 3-4 in. in diam., dark scarlet, with black blotch at base of each petal. Levant, Caucasus, &c. (Haage and Schmidt.)
- \***Passiflora "Eynsford Gem."** (G. C. 1889, v. 5, p. 493, fig. 86.) Passifloraceæ. A beautiful hybrid between *P. corulea*, white var., and *P. racemosa*. (Cannell & Son.)
- \***Passiflora Pfordtii.** Hort. (Gard. 1889, v. 35, p. 572.) A synonym of *P. atato-cerulea*, Lindl.
- Passiflora triloba.** Ruiz and Pavon. (Ill. H. 1889, p. 53, pl. 83.) A handsome S. climber, with cordate, entire, or three-lobed l.; fl. 3 in. in diam.; sep. and pet. reflexed, violet; coronal threads numerous, violet, banded with white, the outer short, the inner long, linear, erect, forming a sort of cup around the stamens and pistil. Peru. (L'Horticulture Internat.)
- \***Paulowilhelmia speciosa.** Hochst. (G. C. 1889, v. 6, p. 749, fig. 106.) Acanthaceæ. G. A herbaceous shrub allied to *Ruellia*, differing only in having the lobes of the corolla spreading fan-like. The plant attains a height of 2 ft., has cordate, toothed, leaves and terminal panicles of blue flowers. Trop. Africa. (Kew.)
- \***Pentstemon punicus.** A. Gray. (W. G. 1889, p. 198.) Scrophulariaceæ. H. H. per. about  $2\frac{1}{2}$  ft. high, with smooth, shining l., of a greyish tint, and an abundance of scarlet fl. North Mexico. (Vilmorin & Co.)
- Peristeria Rossiana.** Rehb. f. (G. C. 1889, v. 5, p. 8; B. T. O. 1889, p. 138.) Orchideæ. Allied to *P. pendula*, differing only in the lip and column. (H. J. Ross, Italy.)
- \***Phaius Mannii.** Hort. (G. C. 1889, v. 5, p. 714.) Orchideæ. A large flowered, deep-coloured variety of *P. Wallichii*. (Kew.)
- Phaius philippinensis.** N. E. Br. (G. C. 1889, v. 6, p. 239.) Pseudo-bulbs 2 in. long; leaves 12 to 18 in. long, lanceolate and plicate; scape as long as the leaves; flowers  $2\frac{1}{2}$  in. in expanse, reddish-orange-brown, lip white. Stove. Philippines. (Veitch & Sons.)
- \***Phoenix Roëbelenii.** O'Brien. (G. C. 1889, v. 6, p. 473, fig. 69.) Palmæ. S. A very elegant dwarf species from Siam. Its stem is about 2 in. in diameter, and the leaves are in a compact head, each one being about a foot long, regularly pinnate, the pinnae as narrow and green as those of *Cocos weddelliana*. (J. O'Brien, and Sander & Co.)
- \***Pholidota ventricosa.** Rehb. f. (G. C. 1889, v. 5, p. 585.) Orchideæ. An interesting species, with leaves  $1\frac{1}{2}$  ft. long, and a flower spike a foot high, bearing white convallaria-like flowers. Java. (Veitch & Sons.)
- Picea excelsa, var. capitata.** Hort. (R. H. 1889, p. 393, f. 103.) Conifereæ. "A singular variety of the Spruce, in which the bulk of the plant forms a globular mass, from which project, like pins from a pin-cushion, relatively long branches, each bearing a head-like mass of leaves at the top." Garden variety.
- Pilogyne punctata.** Hort. (W. G. 1889, p. 459, f. 73.) Cucurbitaceæ. This is the same as *Zehneria scabra*.
- Pinus silvestris columnaris compacta.** Hort. (R. H. 1889, p. 393, f. 102.) A slow growing form, with dense, flame-like outline like *P. Cembra* in a young state. Garden variety.
- Pinus Strobus excelsa zebrina.** Hort. (R. H. 1889, p. 393, f. 101.) A form of the Weymouth Pine, with leaves marked with narrow, white, transverse bands. Garden variety.
- Plantago lanceolata, var. marginata.** Andre. (R. H. 1889, p. 71.) Plantagineæ. H. per. A form with the l. bordered with white, and marked with glaucous stripes, and having the fl.-stem crowned with a tuft of oblong-lanceolate l., spotted with white. It is an abnormal form, and may be increased by division. It was found in the Depart. of Nièvre by M. Gentil.

- \***Podophyllum pleianthum**, Hance. (*G. C.* 1889, vi, p. 299, f. 44; *R. H.* 1889, p. 516; *W. G.* 1889, p. 489.) Berberidæ. A most remarkable and probably hardy perennial. Petioles 1-2 ft. high, the fruiting ones forked, from the base of which are produced the large bunches of drooping, rich purple flowers, followed by fruit resembling the May Apple, *P. peltatum*, glaucous green, purple when ripe; l. peltate, orbicular, 6-8 lobed; the lobes triangular, acuminate, very shallow, margins dentate. China. (Kew.)
- \***Polemonium pauciflorum**, S. Wats. (*G. C.* 1889, v., p. 772, vi., p. 96, f. 15; *W. G.* 1889, p. 411.) Polemoniaceæ. II. perennial. A distinct and ornamental species, 1-1½ ft. high, branching and leafy, glandular, pubescent, fl. funnel-shaped, 1½-2 in. long, yellow, tinged red on outside; l. pinnate, leaflets narrow, lanceolate, acute, 1 in. long. Sierra Madre. Chihuahua, Mexico. (Kew.)
- \***Polygonum sphaerostachyum**, Wall. (*B. M.*, t. 6847; *Gard.* 1889, xxxv., p. 549, xxxvi., p. 109, 403.) Polygonaceæ. The finest of all the dwarf Polygons, very desirable for rockeries, &c. Roots tuberous. Stem solitary, erect, leafy, 4-9 in. high; l. 3-6 in. long, linear or linear-oblong, acute, crisped, glabrous, and glaucous, or pubescent underneath; spike 1-2 in. long, cylindrical; fl. ¼ in. long, drooping, blood-red, very striking. Himalayas. (Kew and Edinburgh Bot. Gard.)
- \***Primula denticulata**, var. *variegata*, Hort. (*W. G.* 1889, p. 406.) Primulaceæ. H. A garden variety with white-bordered l.
- \***Primula petiolaris**, Wall. var. *nana*, Hook, f. (*B. M.*, t. 7079b; *Gard.* 1889, xxxv., p. 253.) II. II. A dwarf variety of an extremely variable type. L. almost sessile, obovate, oblong, or spatulate; scape very short; fl. 1 in. in diam., the corolla lobes orbiculate, dentate, lilac-purple, with white and yellow eye. Himalayas. (Michael Foster.)
- \***Primula Poissoni**, Franchet. (*G. C.* 1889, vi., p. 361; *R. H.* 1889, p. 491; *W. G.* 1889, p. 406.) G. or H. H. A fine garden species, nearly allied to *P. prolifera*, Wall. Glabrous, 4-6 in. high; l. narrow oblong, with broad, dilated, clasping base, margins serrate; fl. in whorls, rich purple, ½-¾ in. in diam. Yunnan. China. (Kew.)
- \***Primula pusilla**, Wall. (*B. M.*, t. 7079a.) H. II. A pretty dwarf species, nearly allied to *P. saphirina*. Stem 2-3 in. high; fl. capitate, rich purple-violet, and readily distinguished from its many allies, by the ring of woolly hairs at the mouth of the corolla-tube; l. in dense rosettes, oblanceolate obtuse, pinnatifid dentate; the teeth are recurved. Himalayas. (Kew.)
- Primulina Tabacum**, Hance. (*G. C.* 1889, vi., p. 356, fig. 52; *R. H.* 1889, p. 516; *W. G.* 1889, p. 445.) Gesneriaceæ. H. per. A pretty Alpine, with the habit and flowers of a Primula, exhaling an odour of tobacco; 4-6 in. high; l. suborbicular, or oblong, obtuse, cordate, margins lobed; fl. in loose corymbs, violet-purple; peduncles and calyces glandular-hairy. Native name Shek-in (Rock Tobacco). China. (Kew.)
- \***Protea nana**, Thunb. (*G. C.* 1889, v. 5, p. 523; *Bot. Mag.*, t. 7095.) Proteaceæ. G. A dwarf, pretty flowered species, with pine-like leaves and nodding cup-shaped crimson flower heads, 2½ in. across. Cape. (Kew.)
- Pyrus Malus aurea**, Hort. (*R. F. H. B.* 1889, 272.) Rosaceæ. A form of the Crab-apple 'with the l. yellow, except a green patch in the centre. (Raised by Späth, Berlin.)
- \***Remijia pedunculata**, Karst. (*Gard.* 1889, v. 35, p. 343, fig.) Rubiaceæ. S. shr. Allied to *Cinchona*, and like it, of value as a source of quinine. It has the habit of *C. officinalis*. Brazil.
- \***Restrepia pandurata**, Rehb. f. (*Veitch, Man. Masdev.*, p. 13.) Orchideæ. A free flowering species, with stiff, leathery, ovate l. 2½ in. long; fl., several produced in succession; upper sep. whitish, with the veins and tip purple; lower sep. and the pandurate lip whitish, spotted with crimson-purple. Columbia. (Glasnevin.)
- Rhazya orientalis**, Boiss. (*W. G.* 1889, p. 221.) Apocynæ. H. A. pretty plant, resembling a *Finca*, but with more erect stems, small shining l., and the fl. with a longer tube; they vary from bright blue to dark violet. Taurus.
- Rhipsalis pulvinigera**, Lindb. (*Gif.* 1889, p. 182, f. 33, 34.) Cactaceæ. S. succulent, similar to *R. floccosa*, with dark green terete branches, having the areolæ in regular spirals, and bearing small, rounded, rudimentary leaves or scales, of a reddish-brown; fl. white and yellowish-green. Brazil. (Lindenberg, Stockholm.)
- Rhododendron "Her Majesty"** (*G. C.* 1889, v. 5, p. 533.) G. shr. Supposed to be the result of crossing *R. Fosterianum* with *R. arboreum*, but it shows no trace of the latter species. (Veitch & Sons.)

- Rhododendron indico-javanicum**, Hort. (*G. C.* 1889, v. 6, pp. 507, 602.) *G. shr.* A hybrid raised by Messrs. Veitch from *Azalea indica* and one of the Javanese *Rhododendrons*.
- Robinia Pseudacacia**, var. *angustifolia*, Hort. (*R. H.* 1889, p. 420.) Leguminosæ. H. tree. Garden variety.
- Rosa canina**, L. var., *Hetscholdi*, Zbl. (*Gf.* 1889, p. 240.) Rosaceæ. Seedling variety with peculiarly cut l. (*E. Hetschold*, Räcknitz-Dresden.)
- \***Rosa Engelmanni**, Wats. (*G. and F.* 1889 376, fig. 121.) A species with oblong fruit, like that of *R. alpina*, to which it is nearly allied. Colorado.
- Rosa gallica**, L. var. *conditorum*, Dieck. (*Nat. Arb. Zösch.* 1889-1890, p. 16.) Rosaceæ. H. shr. A variety from which perfume is obtained in Asia Minor.
- Rosa humilis**, Marsh, var. *triloba*, Sargent. (*G. and F.* 1889, p. 76, fig. 93.) A curious form of this North American species in which the petals are distinctly trilobed.
- Saccia elegans**, Naud. (*R. H.* 1889, p. 85; *W. G.* 1889, p. 112.) Convolvulaceæ. S. An ornamental bush of compact habit, growing to 5 or 6 ft. high, with axillary clusters of lilac fl. towards the ends of the branches. Cochabamba. (Thuret, Antibes.)
- Saccolabium giganteum**, var. *Regnierii*, Thays. (*R. H.* 1889, p. 232.) Orchidææ. A variety with fl. measuring  $1\frac{1}{2}$  in. in diameter. Cambodia. (Regnier.)
- Salix hoyeriana**, Dieck. (*Nat. Arb. Zösch.* 1889-1890, p. 17.) Salicinesæ. H. tree. A handsome weeping-willow, with broad elliptic l., 4 in. long by 2 in. broad. Cascade Mountains, British Columbia.
- \***Salix Nicholsoni**, Dieck. and var. *purpurascens*, Dieck. (*Nat. Arb. Zösch.* 1889-1890, p. 18.) H. shr. of ornamental character; no description, except that the variety is said to have purple l. when young, and in general appearance to resemble the purple Peach.
- \***Sansevieria subspicata**, Baker. *G. C.* 1889, v. 6, p. 436.) Liliacææ. Allied to *S. thyrsiflora*, but differs in having unspotted leaves and longer sub-spicate flowers. S. Africa. (Kew.)
- \***Sargentia aricocca**, Wendl. (*B. T. O.* 1889, p. 341.) Palmæ. This is the *S. Palm* known as *Pseudophoenix Sargentii*, Wendl. Florida.
- Sarracenia decora**, Hort. (*G. C.* 1889, v. 6, p. 250.) Sarraceniaceæ. A hybrid probably from *S. psittacina* and *S. variolaris*. It has very prettily tessellated pitchers about 9 in. high. (Williams & Son.)
- Sarracenia wrigleyana**, Veitch. (*Veitch Cat.* 1889, p. 12 and p. 7, with fig.; *Gf.* 1889, p. 495, f. 75.) Garden hybrid between *S. psittacina* and *S. variolaris*.
- \***Satyrium membranaceum**, Swartz. (*G. C.* 1889, v. 5, p. 137.) Orchidææ. H. H. terrestrial orchid. A large handsome species, with bright red flowers on scapes a foot or more high. It is distinguished from all others by its toothed, fringed petals. Cape. (J. O'Brien.)
- \***Saxifraga latepetiolata**, Wilk. (*B. M.*, t. 7056.) Saxifragææ. A remarkable and very useful biennial species. Stems 8-12 in. high, branched, robust, lower l. densely rosulate, upper attenuate, all with broad petioles, blade reniform, deeply three-lobed, the lateral lobes often bifid and then five-lobed, coarsely crenate, glandular-hairy; fl. crowded,  $\frac{1}{2}$  in. in diam., white. Spain. (Kew.)
- Schomburgkia lipidissima**, Rehb. f. (*G. C.* 1889, v. 5, p. 72; *W. G.* 1889, p. 112.) Orchidææ. The plant is similar to *S. tibicinis*. Flower-scape  $3\frac{1}{4}$  ft. long; the fl. look like those of *Leliopsis domingensis*. (C. Dorman, Sydenham.)
- Scilla Ledieni**, Engl. (*Gf.* 1889, p. 153, t. 1294.) Liliacææ. S. bulb, with narrow, lanceolate l. of a greyish-green, spotted with purple-brown, and frequently producing bulbs at their apex. Raceme many flowered; fl. small, green, with purplish tube. Congo. (Schütze, Breslau.)
- Selenipedium caudatum**, Rehb. f. var. *albertianum*, Linden. (*L.* v. 4, p. 63, pl. 174.) Orchidææ. A variety with yellow sep., and the lip yellowish, stained with dark purple in front. (Jules Hye.)
- \***Sicania odorifera**, Naud. (*W. G.* 1889, p. 112; *R. H.* 1889, p. 35.) Cucurbitaceæ. S. A vigorous growing climber, with monœcious yellow fl., and cylindrical fr., something like a large cucumber, having a peculiar odour. Brazil.
- Simaruba Tulæ**, Urb. (*Gf.* 1889, p. 257, t. 1298.) Simarubææ. S. shr. or tree with pinnate l., and corymbs of bright carmine fl. The leaflets are elliptic-oblong and shortly pointed, the petioles and branches of the corymb are purplish tinted, and the fl. are about  $\frac{1}{2}$  in. in diam. Porto Rico. (Herlin Bot. Gard.)

**Sobralia xantholeuca**, var. *alba*, Hort. (*G. C.* 1889, v. 6, p. 111.) Orchidææ. A variety with pale primrose-coloured flowers. (Veitch & Sons.)

\***Solanum crinitum**, Lam. (*W. G.* 1889, p. 362.) Solanacææ. H. H. per., 6-8 ft. high, the stem, petioles, and infl. densely clothed with flexible yellowish-brown bristles; l. large, elliptic, obtusely sinuate-lobed, tomentose beneath; fl. in large clusters, large and showy, deep blue, with five darker lines. Quito.

**Solanum guineense**, Lamk. (*W. G.* 1889, p. 82.) S. or H. H. annual of rapid growth, 4-6 ft. high, with angular stems, ovate l., and small violet fl., succeeded by dark, shining, blackish-blue fr. West Africa.

\***Solanum pensile**, Sendtn. (*Bot. Mag.*, t. 7062.) A handsome stove climber, with cordate leaves and large pendent racemes of bright blue flowers with conspicuous yellow stamens. Brazil.

**Sorbus Aucuparia**, var. *atropurpurea*, Carr. (*R. H.* 1889, p. 114.) Rosacææ. H. tree. A form with large corymbs of fl., and very large fr. of a very dark red.

\***Spiræa kamtschatika**, Pall. (*G. C.* 1889, vi., p. 126; *Gard.* 1889, xxxvi., p. 148.) Rosacææ. H. Herbaceous perennial of stately growth. Stems 4-10 ft. high; l. 6 in. wide, 4 in. long, leaf-stalk channelled, coarsely hairy, provided with two leafy stipules at base, and a number of irregular leaflets along its entire length; terminal leaflet broadly, ovate, cordate, palmately five-lobed, lobes biserrate pointed, inflorescence large, white, fragrant. Kamtschatka. *S. gigantea*, Hort. (Paul & Son, Cheshunt.)

\***Stapelia desmetiana**, N. E. Br. (*G. C.* 1889, v. 6, p. 684.) Asclepiadacææ. A free-growing, large-flowered plant, which has been in cultivation about 16 years, but has never been described before last year.

**Stapelia erectiflora**, N. E. Br. (*G. C.* 1889, v. 6, p. 650.) A small free-flowering plant with erect pedicels and small Turk's-cap-like flowers. S. Africa.

**Streptocarpus Bruanti**, Carr. and André. (*R. H.* 1889, pp. 267 and 292.) G. A hybrid between *S. Rherii* and *R. polyanthos*. (Bruant.)

\***Streptocarpus parviflora**, E. Mey. (*Bot. Mag.*, t. 7036.) Gesneracææ. The true plant of this name, that previously figured in *Bot. Mag.* at t. 6636 as *S. parviflora* being *S. lutea*, Clark. The former has broad, shaggy, sessile

leaves and erect many-flowered scapes, the flowers being purplish on the tube, white and yellow on the limb. Greenhouse. S. Africa. (Kew.)

**Susum anthelminticum**, Bl. (*R. H.* 1889, p. 76, f. 23.) Flagellariacææ. S. An interesting Dracæna-like plant, with staked, lanceolate acuminate l., and a stout fl.-stem, bearing half-whorls of fl.-spikes 2-3 in. long, of reddish-tinted unisexual fl. Sumatra. (Jard. des Plantes, Paris.)

**Swainsonia coronillæfolia**, var. *alba*, Hort. (*W. G.* 1889, p. 487.) Leguminosææ. G. shr. A form with white fl. Australia.

**Synthyris pinnatifida**, Watson. (*W. G.* 1889, p. 222.) Scrophulariææ. H. per. 6-8 in. high, with leathery, bipinnatifid, deep green l., and spikes of handsome dark blue fl. Rocky Mountains. (Backhouse & Son.)

**Tachadenus radiatus**. (*W. G.* 1889, p. 113.) Gentianacææ. This seems to be an error for *T. carinatus*.

\***Tecoma Smithii**, Bull. (*Bull. Cal.* 1889, p. 8.) Bignoniacææ. G. climber. A garden hybrid between *T. velutina* and *T. capensis*.

**Tetramicra minuta**, Rolfe. (*G. C.* 1889, v. 5, p. 527.) Orchidææ. G. A very small species, the whole plant barely 2 in. high. (Veitch & Sons.)

\***Tigridia buccifera**, S. Wats. (*G. and F.* 1889, p. 412, fig. 125.) Iridææ. H. H. A very beautiful species. Stems 1 ft. high, glaucous, branching; radical l. 1 ft. plicate; cauline bracts foliaceous, spathes of two unequal bracts 1-2 inches long; fl. 2 inches broad, greenish-yellow, purple-dotted at base, blade of outer seg. purple; inner seg. tubular, folded in centre; the dilated sides approximate in two cheek-like prominences, below the small, concave-rounded, purple blade. Anthers nearly sessile, styles hardly longer. Jalisco Mountains, Mexico.

**Tillandsia Geissei**, Philippi. (*G. fl.* 1889, p. 369, t. 1302, f. 2; *R. H.* 1889, p. 388.) Bromeliacææ. A small species, with linear-subulate, channelled, silvery l., and a fl.-stem about 6-8 in. high, ending in a simple few-flowered spike of rosy fl., bracts green at the base, carmine above. Chili.

**Tillandsia kirchoffiana**, Wittm. (*G. fl.* 1889, p. 107, f. 22.) l. subulate from a bulbous base, recurving, green. Infl. a slender panicle with coral-red bracts and blue fl. Mexico. (C. E. Kirchoff, Baden.)

*Trithrinax campestris*, Griseb. & Dr. (*B.T.O.* 1889, p. 337.) Palmæ. H. H. Palm of majestic appearance, allied to *T. braziliensis*, but differing in having the leaflets shortly-bifid, with a white tomentum above and glabrescent beneath, and the branches of the spadix stouter. South Argentine.

\**Tulipa Batalini*, Rgl. (*Rgl. Descr.*, p. 4; *Gfl.* 1889, p. 506, t. 1307, f. 2; *G. C.* 1889, v. 6, p. 469.) Liliacæ. fl. bulb, with the scales of the bulb bearded at the apex inside with brown wool. L. linear-lanceolate. Fl. pale yellow. Filaments glabrous. Buchara. (St. Petersburg Bot. Gard.)

\**Tulipa Dammani*, Rgl. (*Rgl. Descr.*, p. 4; *W. G.* 1889, p. 352, f. 61; *Gfl.* 1889, p. 314, t. 1300, f. 2.) H. bulb, in the way of *T. tinifolia*, having the bulb-scales villose inside, linear-lanceolate l. ciliolate on the margin, and purple fl., marked with a black blotch at the base of the segments. Filaments glabrous. Mount Libanon. (Dammann & Co.)

*Tulipa Leichtlini*, Regel. (*Gard.* 1889, xxxv., p. 354.) H. A handsome species nearly allied to *T. stellata*; l. erect or recurved linear-lanceolate, acuminate; scape 1 ft. high; fl. large, outer segments shorter than the inner, rich purple-red, broadly margined with white; inner seg. oblanceolate yellowish-white. Kashmir. (Max Leichtlin.)

\**Tulipa Maximowiczi*, Rgl. (*Rgl. Descr.*, p. 3; *Gfl.* 1889, p. 505, t. 1307, f. 1; *G. C.* 1889, v. 6, p. 469.) H. bulb allied to *T. tinifolia*, but with the bulb-scales hairy within at the apex, the stem leafy, with alternate linear l., with red, minutely ciliolate margins; fl. scarlet-purple, the outer segments marked at their base with a blue-black spot, bordered with white. Buchara. (St. Petersburg Bot. Gard.)

\**Tulipa vitellina*, Hort. (*Gard.* 1889, xxxvi., p. 531, with plate.) H. A garden hybrid, probably between forms of *T. suaveolens*, and *T. gesneriana*, 1-2 ft. high; fl. large, delicate yellow, seg. ovate, blunt; l. ovate-lanceolate acute, glaucous.

*Utricularia rhyterophylla*, Hort. (*W. G.* 1889, p. 74.) Lentibulariacæ. S. A dwarf compact plant, with violet fl. marked with yellow on the palate. This is *U. longifolia*, Gardn.

*Uniola Palmeri*, Vasey. (*G. and F.* 1889, p. 400, fig. 124.) Gramineæ. H. per., with rigid cane-like culms 2-4 ft. high, leafy to the top; l. erect, involute, with a long pungent apex;

raceme of staminate plants 6-9 in. long, the branches in twos and threes; spikelets small, 7-9 flwd.; raceme of fertile plants more dense, 4-6 in. long, the branches nearly sessile. A fine ornamental species. Colorado River, N. America.

\**Vanda kimballiana*, Rehb. f. (*G. C.* 1889, v. 5, p. 233; v. 6, pp. 294, 335, fig. 333; *G. and F.*, v. 2, p. 499.) Orchidæ. A distinct and beautiful species allied to *V. amesiana*. The leaves are subulate, dark green, about 9 in. long, as thick as a raven's quill. The spike is erect, about a foot high, many flowered, each flower 2½ in. across, pure white with a rosy-purple lip. (Low & Co., Clapton.)

*Viburnum Lentago*, L. var. *subpedunculatum*, Zabel. (*Gfl.* 1889, p. 462.) Caprifoliacæ. H. shr. A variety with short peduncles, about ¾ of an inch long. (Forest Acad., Münden.)

*Viburnum Vetteri*, Zabel. (*Gfl.* 1889, p. 462.) H. shr. A hybrid between *V. Lentago* and *V. nudum*. Garden hybrid. (Forest Acad., Münden.)

*Vriesea Alberti*, André. (*R. H.* 1889, p. 300, f. 73, and coloured pl.) Bromeliacæ. A garden hybrid between *V. incurvata* and *V. morreniana*. (Truffaut.)

*Vriesea magnisiana*, Kittel and Wittm. (*Gfl.* 1889, p. 343, f. 56-58.) A garden hybrid between *V. Barilletii* and *V. fenestralis*. (G. Kittel, Glatz.)

*Vriesea Mariae*, André. (*R. H.* 1889, p. 300, f. 74, and coloured pl.) A garden hybrid between *V. Barilletii* and *V. brachystachys*. (Truffaut.)

*Vriesea morreno-barillettiana*, Duval. (*Ill. H.* 1889, p. 103, pl. 91.) A garden hybrid between *V. Barilletii* and *V. psittacina*, var. *morreniana*.

*Vriesea versaliensis*, Truff. (*Ill. H.* 1889, p. 73, pl. 87.) A handsome garden hybrid between *V. psittacina* var. *duvaliana* and *V. brachystachys*. (Truffaut.)

\**Watsonia iridifolia*, var. *O'Brieni*, N. E. Br. (*G. C.* 1889, v. 6, pp. 334, 350; *R. H.* 1889, p. 541.) Iridacæ. G. A lovely plant, similar to *W. rosea* in general appearance, but with pure white flowers. S. Africa. (J. O'Brien.)

\**Xylobium leontoglossum*, Rolfe. (*G. C.* 1889, v. 5, p. 438; *B. M.*, t. 7085.) Orchidæ. A new name for *Maril-laria leontoglossa*, Rehb. f.

\**Xylobium corrugatum*, Rolfe. (*G. C.* 1889, v. 5, p. 458.) A new name for *Maxillaria corrugata*, Lindl.

\**Yucca elata*, Engelm. (*G. and F.* 1889, v. 2, p. 568, fig. 146.) Liliacæ. An arborescent species with a trunk 3 to 12 ft. high by 10 in. in diameter; leaves linear, filamentose on the margins; flowerscape stout, erect, branching, 7 to 10 ft. high, bearing numerous white fragrant flowers, each 3 to 4 in. in diameter. Mexico.

*Zygopetalum Gibeziæ*, N. E. Br. (*L.*, v. 4, p. 79, pl. 181.) Orchidæ. Very

similar to *Z. cochleare*, with cuneate-oblancoolate, acute l., and solitary fl. The sep. and pet. are oblong lanceolate acute, white, without markings. Lip large and broad, with the sides turned up, white veined with violet, having a thick crest at the base. (L'Horticulture Internat.)

*Zygopetalum lucidum*, Rolfe. (*G. C.* 1889, v. 5, p. 799.) Orchidæ. Belongs to the section *Huntleya*, and is like *Z. Melegris*, Ldl., but is smaller and different in colour. Stove. British Guiana. (Sander & Co.)

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ROYAL GARDENS, KEW.

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BULLETIN

OF

MISCELLANEOUS INFORMATION.

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APPENDIX III.—1890.

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INDEX TO KEW REPORTS, 1862—82.

As many correspondents and botanical establishments in India and the Colonies appear to have preserved copies of the Reports on the Progress and Condition of the Royal Gardens, Kew, from 1862 onwards, for the sake of the useful notes contained in them respecting economic and other plants, it has been felt desirable to prepare an index to such notes in order that they may be rendered easy of reference.

At present notes too detailed for the Annual Report on economic products and plants, to which the attention of the staff of the Royal Gardens has been drawn in the course of ordinary correspondence, or which have been made the subject of particular study at Kew, are published in the *Kew Bulletin*. This *Bulletin*, of which three volumes

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are already published, and the fourth is in course of publication, may be looked upon as furnishing in a detailed and timely form the special information formerly included in the Annual Reports, but which a necessary economy of space precluded being treated at the length which is possible in the pages of the *Bulletin*. It may be added that the *Bulletin* is published monthly by Her Majesty's Stationery Office, and it may be obtained from Messrs. Eyre and Spottiswoode directly, or through any bookseller.

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