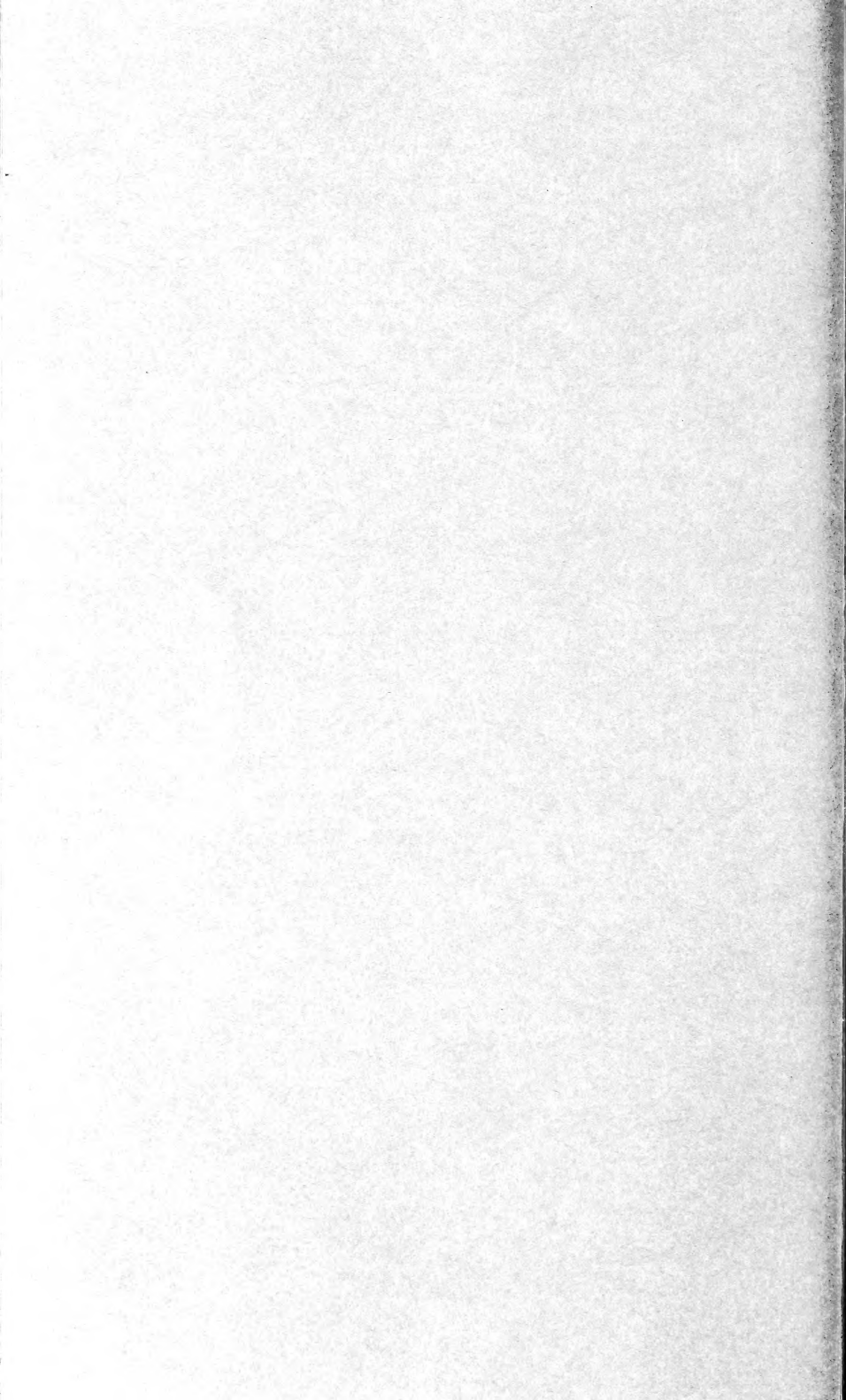


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DEPARTMENT OF AGRICULTURE.

BOTANICAL DIVISION.

BULLETIN NO. 4.

DESIDERATA OF THE HERBARIUM

FOR

NORTH AMERICA, NORTH OF MEXICO.

RANUNCULACEÆ TO ROSACEÆ, INCLUSIVE.

BY

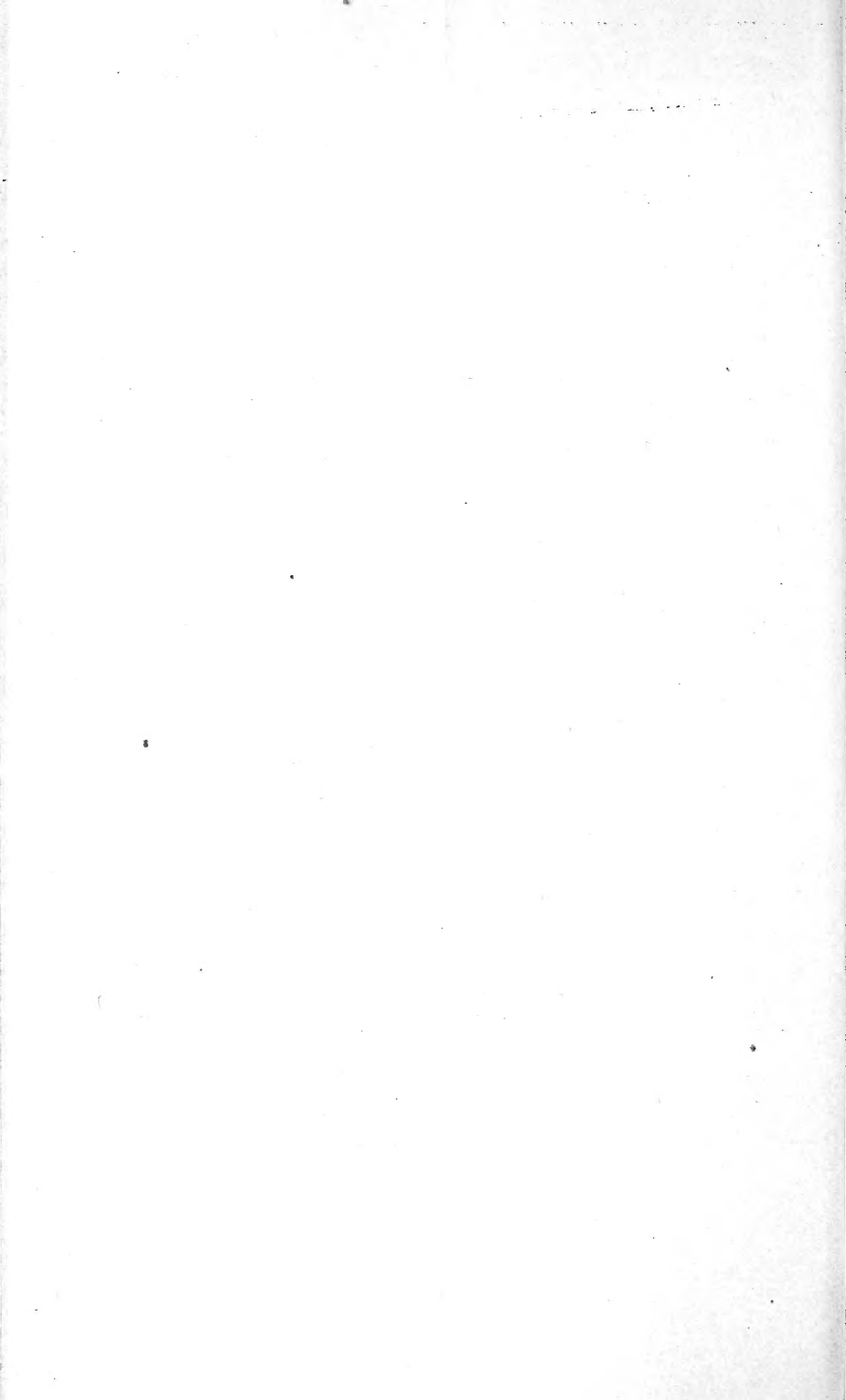
Dr. GEORGE VASEY,

BOTANIST.

PREPARED UNDER THE DIRECTION OF THE COMMISSIONER OF AGRICULTURE.

WASHINGTON:
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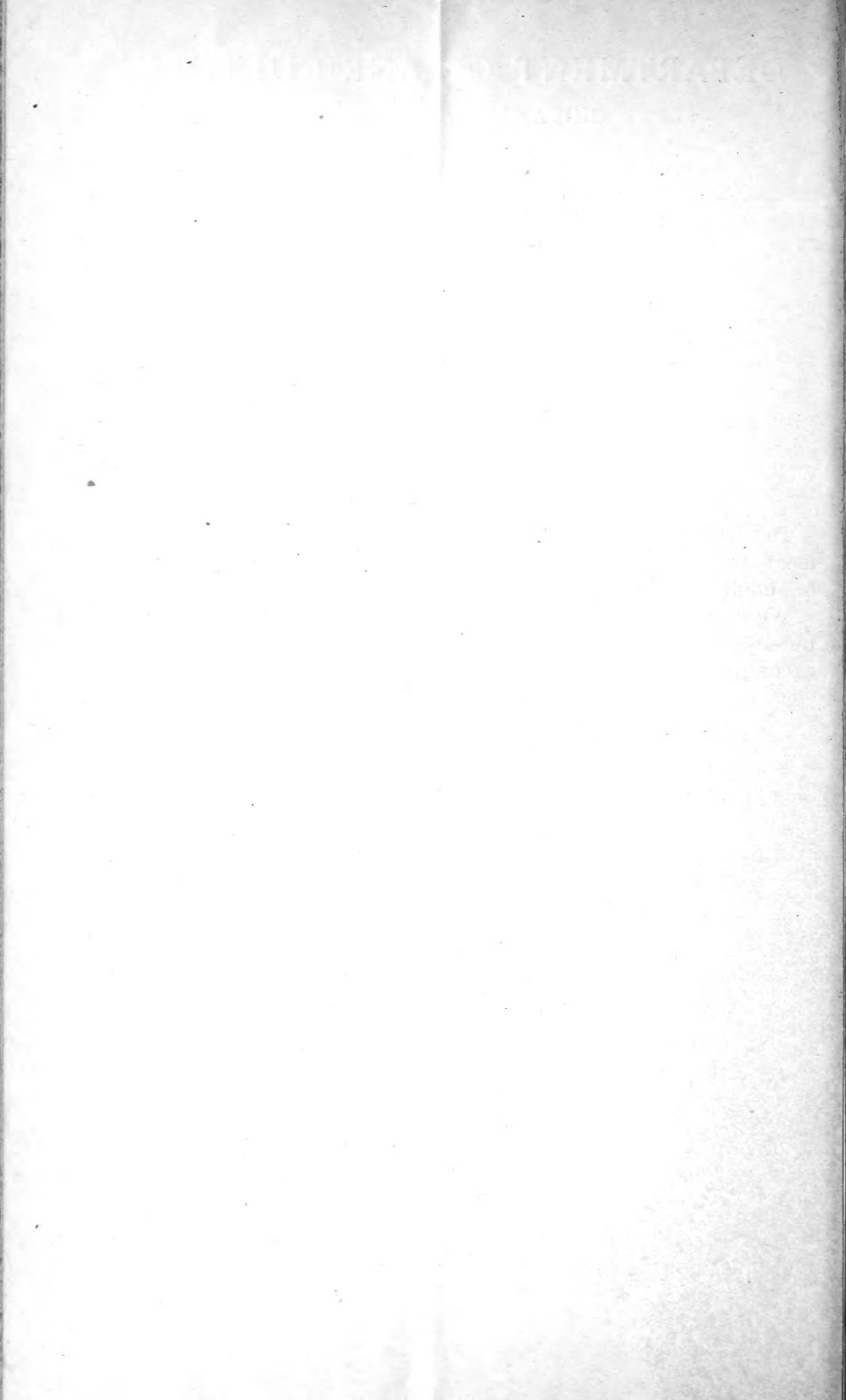
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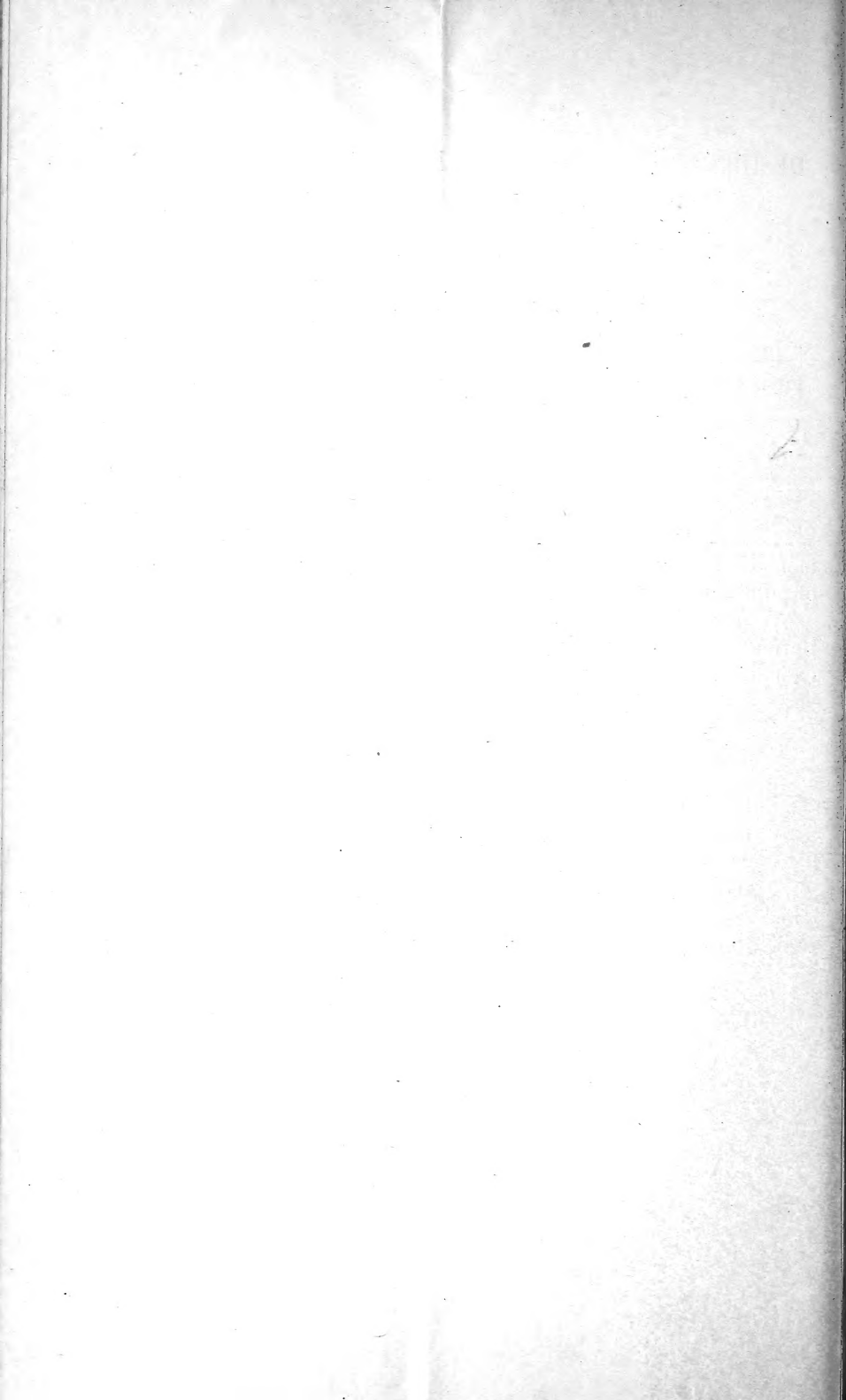


WASHINGTON, *August 1, 1887.*

The following list of plants wanted in the Herbarium of the Department of Agriculture is distributed among botanists with the purpose of obtaining specimens.

We shall be greatly obliged by the contribution of any specimens herein named, and will make as far as possible a satisfactory return in exchange.

NORMAN J. COLMAN,
Commissioner.



DESIDERATA OF THE HERBARIUM OF THE U. S. DEPARTMENT
OF AGRICULTURE.

RANUNCULACEÆ TO ROSACEÆ, INCLUSIVE.

[The abbreviations *fl.* and *fr.* indicate that flowering or fruiting specimens are wanted. Introduced species in *italics*.]

Aconitum novaboracense, Gray.

Anemone nemorosa, L., var. (*A. trifolia*, L.).

nudicaulis, Gray.

Walteri, Pursh.

Aquilegia Jonesii, Parry.

Caltha natans, Pall.

Cimicifuga cordifolia, Pursh.

Clematis Douglasii, Hook., var. Scottii, Coulter.

holosericea, Pursh.

ligusticifolia, Nutt., var. bracteata, Sorr.

ovata, Pursh.

Virginiana, L., var. bracteata, DC.

Delphinium Andersonii, Gray.

Parishii, Gray.

Parryi, Gray.

Isopyrum Hallii, Gray.

occidentale, Hook. and Arn., *fr.*

Myosurus alopecuroides, Greene.

apetalus, var. lepturus, Gray.

Ranunculus abortivus, L., var. Harveyi, Gray.

acriformis, Gray.

Bloomeri, Watson.

circinatus, Sibth.

hispidus, Mx., DC., Hook., var. Oreganus, Gray.

hystriculus, Gray.

Kamtschaticus, DC.

Lapponicus, L.

Lobbii, Hiern.

Macauleyi, Gray.

occidentalis, Nutt., var. Eiseni, Gray.

var. Rattani, Gray.

parvulus, L.

- Thalictrum debile*, Buckl., *fr.*
 Fendleri, Engelm., var. *platycarpum*, Trelease.
 minus, L., var. *Kemense*, Trelease.
- Magnolia glauca*, L., var. *pumila*, Nutt.
- Anona glabra*, L.
- Cocculus Carolinus*, DC., var. *hederaceæfolius*, Miers.
 sagittæfolius, Miers.
- Nuphar advena*, Ait., var. (?) *minor*, Morong.
 rubrodiscum, Morong.
- Nymphæa odorata*, Ait.
 var. *reniformis*, T. & G.
- Sarracenia purpurea*, L., var. *alata*, Wood.
 var. *heterophylla*, Torr.
 rubra, Walt., var. *acuminata*, A. DC.
 Sweetii, A. DC.
 undulata, Decne.
- Aretomecon Californicum*, Torr.
- Argemone corymbosa*, Greene.
- Eschscholtzia Austinæ*, Greene.
 glyptosperma, Greene.
 Mexicana, Greene.
 Parishii, Greene.
 rhombipetala, Greene.
- Corydalis Bidwelliæ*, Watson.
 Brandegei, Watson.
- Dicentra lachenaliæflora*, DC.
 pauciflora, Watson.
- Arabis Breutelii*, Lange.
 canescens, Nutt., var. (?) *stylosa*, Watson.
 repanda, Watson.
- Barbarea vulgaris*, R. Br. var. *stricta*, Regel., *fl.*
- Brassica Rapa*, L.
- Braya Eschscholtziana*, B. & H.
 pilosa, Hook.
 rosea, Bunge.
- Cardamine spathulata*, Michx.
- Caulanthus amplexicaulis*, Watson.
- Cheiranthus pygmæus*, Adams.
- Dentaria Californica*, Watson, var. *pachystigma*, Watson.
- Dentaria maxima*, Nutt, *fr.*
- Draba alpina*, L., var. (?) *corymbosa*, Durand.
 var. (?) *micropetala*, Durand.
 corrugata, Watson.
 rupestris, R. Br.
 ventosa, Gray.
- Eutrema Edwardii*, R. Br. *fl.*

- Eutrema Labradoricum, Turcz.
 Lepidium Grœnlandicum, Hornem.
 integrifolium, Nutt., var. heterophyllum, Watson.
 oxycarpum, T. & G.
 ruderales, L.
 Lyrocarpa Palmeri, Watson.
 Nasturtium trachycarpum, Gray.
 Parrya arctica, R. Br.
 arenicola, Hook. f.
 Physaria, Geyeri, Gray., *fl.*
 Selenia dissecta, T. & G.
 Sisymbrium canescens, Nutt., var. brachycarpum, Watson.
 humile, C. A. Meyer., *fr.*
 pauciflorum, Nutt.
 salsugineum, Pall.
 Stanleya tomentosa, Parry.
 Streptanthus diversifolius, Watson.
 flavescens, Hook.
 Howellii, Watson, *fr.*
 Streptanthus maculatus, Nutt.
 niger, Greene.
 peramœnus, Greene.
 repandus, Nutt.
 Synthlipsis Berlandieri, var. hispida, Watson.
 Thelypodium Cooperi, Watson, *fl.*
 flavescens, Watson.
 neglectum, Jones.
 Thlaspi Californicum, Watson.
 Thysanocarpus erectus, Watson.
 Vesicaria argentea, Schauer.
 auriculata, Engelm. & Gray.
 Berlandieri, Gray.
 Kingii, Watson.
 lasiocarpa, Hook., *fr.*
 Lindheimeri, Gray.
 Nuttallii, T. & G.
 pallida, T. & G.
 purpurea, Gray, var. albiflora, Gray, *fr.*
 Warea amplexifolia, Nutt.
 Cleome sparsifolia, Watson, *fl.*
 Cleomella oocarpa, Gray.
 Oxystylis lutea, Torr.
 Lechea Torreyi, Leggett.
 Viola blanda, Willd., var. palustriformis, Gray.
 hasta, Michx., var. tripartita, Gray.
 præmorsa, Dougl.

- Viola primulifolia*, L., var. *occidentalis*, Gray
trinervata, Howell.
- Amoreuxia malvæfolia*, Gray (Mex.).
- Polygala acanthoclada*, Gray.
Chapmanii, T. & G.
Reynoldsæ, Chapman.
- Arenaria ciliata*, L., var. *humifusa*, Hornem.
palustris, Watson, *fr.*
pumilio, R. Br.
scabrella, Greene, *fr.*
- Cerastium alpinum*, L., var. (?) *uniflorum*, Durand.
quaternellum, Fenzl.
sericeum, Watson.
- Drymaria holostoides*, Benth. (L. Cal.).
nodosa, Engelm. (Mex.).
xerophylla, Gray (Mex.).
- Lepigonum medium*, Fries., var. *macrocarpum*, Watson.
- Lychnis apetala*, L., var. *glabra*, Regel.
elata, Watson.
Kingii, Watson, *fr.*
Parryi, Watson.
- Sagina crassicaulis*, Watson.
- Silene antirrhina*, L., var. *linaria*, Wood.
Bridgesii, Rohrb.
Grayi, Watson.
incompta, Gray.
ovata, Pursh.
plicata, Watson.
Sargentii, Watson.
- Stellaria dieranoides*, Fenzl.
longipes, Goldie, var. *læta*, T. & G.
 var. *peduncularis*, Fenzl.
macropetala, T. & G.
obtusata, Eug.
ruscifolia, Willd.
- Calandrinia Cotyledon*, Watson.
maritima, Nutt.
oppositifolia, Watson.
- Calyptridium quadripetalum*, Watson.
- Claytonia ambigua*, Watson.
- Spraguea paniculata*, Kellogg.
- Talinum brevifolium*, Torr.
humile, Greene.
- Fouquieria formosa*, H. B. K., *fr.*
- Elodea petiolata*, Pursh, fl.
- Hypericum adpressum*, Barton, *fr.*

- Hypericum Canadensis*, L., var. *minimum*, Chois.
 graveolens, Buckl., *fr.*
Abutilon Indicum, Don., var. *hirtum*, Griseb.
 Jaquini, Don.
 Parishii, Watson.
 Thurberi, Gray.
Anoda reticulata, Watson.
 Arizonica, Gray.
Fugosia Drummondii, Gray.
Hibiscus coccineus, Walt., var. *integrifolius*, Chapm.
 denudatus, Benth.
Kosteletzkya Virginica, Gray., var. *smilacifolia*, Chapm.
Lavatera assurgentiflora, Kellogg, *fr.*
 insularis, Watson.
Malva crispa, L.
Malvastrum Coulteri, Watson.
 Fremonti, Torr.
Pavonia hastata, Cav.
Sida cuneifolia, Gray.
Sidalcea asprella, Greene.
 Hartwegi, Gray.
 spicata, Greene.
Sphæralcea Lindheimeri, Gray.
Wissadula mucronulata, Gray.
Linum Californicum, Benth., *fl.*
 congestum, Gray.
 drymarioides, Curran.
 Greggii, Engelm. (Mex.).
Hiræa septentrionalis, Juss., var. *Coulteri*, Gray.
 sericea, Engelm. (Mex.).
Janusia Californica, Benth. (L. Cal.).
Guaiacum Coulteri, Gray (Mex.).
 sanctum, L., var. *parvifolium*, Nutt.
Geranium gracile, Engelm. (Mex.).
Oxalis Berlandieri, Torr.
Ptelia aptera, Parry (L. Cal.).
 Baldwinii, T. & G.
Xanthoxylum Clava-Herculis, L., var. *fruticosum*, Gray.
Ilex Amelanchier, M. A. Curtis.
 lanceolata, Chapman.
 verticillata, Gray, var. *tenuifolia*, Torr.
Euonymus Americanus, L., var. *angustifolius*, Wood.
 var. *obovatus*, T. & G.
 var. *sarmentosus*, Nutt.
Ceanothus cordulatus, Kellogg, *fr.*
 crassifolius, var. *glabratus*, Gray.

- Ceanothus decumbens*, Watson, *fr.*
 divaricatus, var. *grosse-serratus*., Torr.
 floribundus, Hook.
 hirsutus, Nutt.
 integerrimus Hook., & Arn., var. *parvifolius*, Watson.
 serpyllifolius, Nutt.
 thyrsiflorus, Esch., var. (?) *macrothyrsus*, Torr.
 Veitchianus, Hook.
Sageretia Wrightii, Watson.
Vitis cordifolia, Lam., var. *foetida*, Engelm.
Cardiospermum tortuosum, Benth. (L. Cal.).
Paullinia subalata, Gray.
Serjania incisa, Torr.
 racemosa, Schum.
Staphylea Bolanderi, Gray, *fl.*
Urvillea Mexicana, Gray.
Pistacia Mexicana, H. B. K., *fl.*
Rhus copallina, L., var. *leucantha*, DC., *fr.*
 ovata, Watson.
 Toxicodendron, L., var. *microcarpon*, Michx.
Acacia amentacea, DC., *fr.*
 malacophylla, Benth., *fr.*
 Schottii, Torr.
Amorpha canescens, var. *glabrata*, Gray.
 var. *leptostachya*, Engelm.
Astragalus acutirostris, Watson.
 ampullarius, Watson, *fl.*
 aridus, Gray.
 Antiselli, Gray.
 artipes, Gray.
 Bolanderi, Gray.
 Breweri, Gray.
 Californicus, Greene.
 calycosus, Gray, *fr.*
 candicans, Greene.
 candidissimus, Watson (L. Cal.).
 Clevelandi, Greene.
 collinus, Dougl., var. *Californicus*, Gray.
 Congdoni, Watson.
 Cooperi, Gray, *fr.*
 Crotalariae, Gray, var. *virgatus*, Gray.
 debilis, Gray.
 Douglasii, Gray.
 flavus, var. *candicans*, Gray.
 frigidus, var. *littoralis*, Watson.
 giganteus, Watson.

- Astragalus** *Gilensis*, Greene.
glaber, Michx., *fr.*
glareosus, Dougl., *fr.*
gracilentus, Gray.
grandiflorus, Watson.
Grayi, Parry.
Greenei, Gray.
hypoxylus, Watson.
lancearius, Gray.
Layneæ, Greene, *fl.*
lentiformis, Gray.
Lyallii, Gray.
macrodon, Gray.
megacarpus, Gray.
miser, Dougl., *fr.*
Mogollonicus, Greene.
nigrescens, Nutt.
nothoxys, Gray.
nudus, Watson, *fr.*
Oreganus, Nutt.
oxyphysus, Gray.
pachypus, Greene.
Palliseri, Gray.
Palmeri, Gray.
polaris, Benth.
pubentissimus, T. & G.
Rattani, Gray.
recurvus, Greene.
terminalis, Watson.
tetrapterus, Watson.
trichopodus, Gray.
triphyllus, Pursh.
triquetrus, Gray.
troglodytus, Watson.
vaccarum, Gray, *fr.*
ventorum, Gray.
vestitus, Watson (L. Cal.).
Whitneyi, Gray.
- Baptisia** *australis*, R. Br., var. *minor*, T. & G.
calycosa, Canby, *fr.*
lanceolata, var. *uniflora*, T. & G.
megacarpa, Chapman, *fr.*
microphylla, Nutt., var. *axillaris*, Canby.
perfoliata, R. Br., var. *lobata*, Canby.
Serenæ, Curtis., *fl.*
sulphurea, Engelm.

- Baptisia villosa, Nutt., *fl.*
 Bauhinia lunarioides, Gray.
 Brongniartia minutifolia, Watson.
 Calliandra Californica, Benth. (L. Cal.).
 Schottii, Torr.
 Cassia, acutifolia, Gray.
 calycioides, DC.
 grammica, Spreng.
 Chapmania Floridana, T. & G., *fr.*
 Cracca sericea, Gray, *fr.*
 Crotalaria maritima, Chapman.
 Pringlei, Gray.
 Dalea amœna, Watson, *fr.*
 arborescens, Torr.
 canescens, Benth. (L. Cal.).
 divaricata, Benth. (L. Cal.).
 Fremontii, Torr., *fr.*
 Kingii, Watson.
 polyadenia, Torr., var. (?) subnuda, Watson.
 scariosa, Watson.
 Desmanthus brachylobus, Benth., var. glandulosus, Engelm. &
 Gray.
 obtusus, Watson.
 Desmodium Arizonicum, Watson.
 Canadense, DC., var. longifolium, T. & G.
 glabellum, DC.
 paniculatum, DC., var. angustifolium, T. & G.
 var. pubens, T. & G.
 Galactia, bracypoda, T. & G.
 canescens, Benth., *fr.*
 filiformis, Benth.
 Floridana, T. & G., var. microphylla, Chapman.
 pilosa, Ell, var. angustifolia, T. & G.
 var. Macraei, T. & G.
 Gleditschia tricanthos, L., var. brachycarpus, Michx.
 Hoffmanseggia caudata, Gray, *fl.*
 Drummondii, T. & G.
 gladiata, Benth. (Mex.).
 platycarpa, Benth. (Mex.).
 Hosackia glabra, Torr., var. diffusus, Gray.
 macrantha, Greene.
 mollis, Greene.
 nana, Watson.
 procumbens, Greene.
 stipularis, Benth.
 Lathyrus Cusickii, Watson, *fr.*

- Lathyrus Engelmanni, Bischof.
 Lespedeza capitata, Michx., var. longifolia, T. & G.
 leptostachya, Engelm.
 Lupinus Andersoni, Watson, *fr.*
 var. (?) Grayi, Watson.
 arcticus, Watson, *fr.*
 aridus, Dougl., var. Lobbi, Watson.
 barbiger, Watson, *fr.*
 calcaratus, Kellogg, *fr.*
 Chamissonis, Esch., *fr.*
 var. longebracteatus, Watson.
 citrinus, Kellogg.
 flexuosus, Lindl.
 Havardi, Watson.
 lepidus, Dougl., *fr.*
 Lupinus leptophyllus, Benth., *fr.*
 Ludovicianus, Greene.
 micranthus, Dougl.
 var. microphyllus, Watson.
 minimus, Dougl., *fr.*
 Nootkatensis, Donn, var. Unalaskensis, Watson.
 Nuttallii, Watson.
 onustus, Watson, *fr.*
 perennis, L., var. occidentalis, Watson.
 Plattensis, Watson.
 sparsiflorus, Benth., *fr.*
 Stiveri, Kellogg.
 Wyethii, Watson.
 Medicago *intertexta*, Willd.
 nigra, Willd.
 Mimosa Berlandieri, Gray.
 Emoryana, Benth.
 flexuosa, Benth., *fr.*
 malacophylla, Gray, *fl.*
 Wrightii, Gray, *fr.*
 Zygophylla, Benth., *fr.*
 Neptunia oleracea, Lour.
 tenuis, Benth.
 Oxytropis Lamberti, Pursh, var. Bigelovii, Gray.
 leucantha, Pers.
 Mertensiana, Turcz.
 nigrescens, Fisch., var. arctobia, Gray.
 splendens, Dougl., var. Richardsoni, Hook.
 Petalostemon carneus, Michx.
 flavescens, Watson, *fr.*
 gracilis, Nutt., var. oligophyllus, Torr.

- Petalostemon griseus*, T. & G.
 Sabinalis, Watson.
Peteria scoparia, Gray, *fr.*
Phaseolus parvulus, Greene.
Pithecolobium brevifolium, Benth., *fl.*
Prosopis (?) *heterophylla*, Benth. (Mex.).
Psoralea Californica, Watson.
 campestris, Nutt.
 fruticosa, Kellogg.
 micrantha, Gray.
 multijuga, Ell.
 stipulata, T. & G.
 strobilina, Hook. & Arn.
 tenuiflora, Pursh, var. *obtusiloba*, Watson.
Rhynchosia Caribæ, D C.
 mollissima, Shuttlew.
Robinia hispida, L., var. *Elliottii*, Chapman.
 var. *macrophylla*, D C.
 var. *nana*, Ell., *fr.*
 var. *rosea*, Pursh.
 Pseudacacia, L., var. *Decaisneana*, Carrière.
Schrankia platycarpa, Gray, *fr.*
Sesbania (?) *Thurberi*, Watson.
Sophora Arizonica, Watson, *fr.*
Tephrosia chrysophylla, Pursh, *fl.*
 Virginiana, Pers., var. *holosericea*, T. & G.
Trifolium longipes, Nutt., var. (?) *brachypus*, Watson.
Vicia leucophæa, Greene, *fr.*
Vigna luteola, Benth., var. *angustifolia*, Watson.
Agrimonia Eupatoria, L., var. *parviflora*, Hook.
Amelanchier Canadensis, T. & G., var. *oligocarpa*, T. & G., *fr.*
 var. *rotundifolia*, T. & G.
Cercocarpus breviflorus, Gray, *fr.*
 fothergilloides, H. B. K. (Mex.).
Cowania ericæfolia, Torr., *fr.*
 Havardi, Watson.
Cratægus coccinea, L., var. *oligandra*, T. & G.
 var. *populifolia*, T. & G.
 Crus-galli, L., var. *lineras*, DC.
 var. *ovalifolia*, Lindl.
 var. *prunifolia*, T. & G.
 var. *pyracanthifolia*, Ait.
Geum calthifolium, Menzies., var. *congestum*, T. & G.
 var. *rotundifolium*, T. & G., *fr.*
 urbanum, L., subsp. *Oregonense*, Scheutz.
Horkelia Bolanderi, Gray.

- Horkelina capitata*, Lindl.
Ivesia Gordoni, T. & G., var. *lycopodioides*, Watson.
 gracilis, T. & G.
 Lemmoni, Watson.
 Muirii, Gray.
Lyonothamnus asplenifolius, Greene.
 floribundus, Gray.
Neillia opulifolia, B. & H., var. *ferruginea*, Watson.
Pirus Americana, DC., var. *microcarpa*, T. & G.
 arbutiflora, L. f., var. *macrophylla*, Hook.
 rivularis, Dougl., var. *laevigata*, Engelm.
Potentilla arguta, Pursh, var. *ferruginea*, Lehm.
 dissecta Pursh, var. (?) *decurrens*, Watson.
 effusa, Dougl., var. *gossypina*, T. & G.
 glandulosa, Lindl., var. *incisa*, Lindl.
 Grayi, Watson.
 Hookeriana, Lehm.
 nemoralis, Nestler.
 Pennsylvanica, L., var. *arachnoidea*, Lehm.
 var. *glabrata*, Watson.
 pulchella, R. Br.
 supina, L., var. *Nicolletii*, Watson.
Prunus Alleghaniensis, Porter.
Purshia glandulosa, Curran.
Rosa gymnocarpa, Nutt., var. *pubescens*, Watson.
 humilis, Marsh.
 Woodsii, Lindl.
Rubus Nutkanus, Moc., var. *Nuttallii*, T. & G.
 trilobus, Moc.
Spiræa caespitosa, Nutt., var. *elatior*, Watson, *fr.*
 Douglasii, Hook., var. *Nobleana*, Watson.
 Kamtschatica, Pallas.
 Waldsteinia lobata, T. & G.

