

See p. 273

DOCUMENTS

OF THE

S E N A T E

OF THE

STATE OF NEW-YORK,

SIXTY-EIGHTH SESSION,

1845.

VOL. II.

FROM No. 48 to 84 INCLUSIVE.



ALBANY:

E. MACK, PRINTER TO THE SENATE.

.....

1845.



STATE OF NEW-YORK.

No. 51.

IN SENATE,

March 1, 1845.

ANNUAL REPORT

Of the Regents of the University.

TO THE HON. ADDISON GARDINER,
President of the Senate.

SIR :

I have the honor to transmit the Annual Report of the Regents of the University.

I remain very respectfully,
PETER WENDELL,
Chancellor.

Albany, March 1, 1845.

STATE OF NEW-YORK

The following conditions proposed by the Board of Regents of the University of the State of New York...

THE GOVERNOR, ex-officio
THE SENATE
THE ASSEMBLY

1855

REPORT

of the Board of Regents of the University of the State of New York

for the year 1855

ALBANY: PUBLISHED BY J. B. BROWN, 1855.

SEE: 1855, April 2, 1855

I have the honor to transmit herewith a copy of the Report of

the University of the State of New York

for the year 1855

BY THE SENATE

1855

Albany, March 1, 1855

REPORT

OF THE BOARD OF REGENTS OF THE UNIVERSITY OF THE STATE OF NEW YORK

FOR THE YEAR 1855

ALBANY: PUBLISHED BY J. B. BROWN, 1855.

Mr. President, the Board of Regents, and the Senate, have the honor to present to you the Report of the Board of Regents...

[No. 100 for B.]

[No. 100 for B.]

+ QK
129
. S32
1845

CATALOGUE OF PLANTS,

GROWING WITHOUT CULTIVATION IN THE VICINITY
OF SENECA AND CROOKED LAKES, IN WEST-
ERN NEW-YORK.

BY H. P. SARTWELL, M. D., of Penn-Yan, Yates Co.

[The sign § is prefixed to such species as have been introduced and naturalized.]

CLASS I. EXOGENÆ.

ORDER RANUNCULACEÆ.

- Clematis, *Linn.*
 - Virginiana*, L.
 - verticillaris*, D. C.
- Anemone, *L.*
 - Virginiana*, L.
 - Pennsylvanica*, L.
- Hepatica, *Dillen.*
 - triloba*, Chaix.
- Ranunculus, *L.*
 - aquatilis*, L. var. *capillaceus*, D. C.
 - reptans*, L. var. *filiformis*, D. C.
 - abortivus*, L.
 - sceleratus*, L.
 - Purshii*, Richardson.
 - acris*, L.
 - repens*, L.
 - Pennsylvanicus*, L.
 - recurvatus*, Poir.
 - fascicularis*, Muhl.
 - bulbosus*, L.

- Caltha*, *L.*
 - palustris*, L.
- Coptis*, *Salis.*
 - trifolia*, Salis.
- Aquilegia*, *Tourn.*
 - Canadensis*, L.
- Delphinium*, *L.*
 - § *consolida*, L.
- Actæa*, *L.*
 - alba*, Big.
 - rubra*, Big.
- Cimicifuga*, *L.*
 - racemosa*, Ell.
- Thalictrum*, *Tourn.*
 - dioicum*, L.
 - cornuti*, L.
 - anemonoides*, Michx.
- Hydrastis*, *L.*
 - Canadensis*, L.

ORDER MAGNOLIACEÆ.

- Magnolia*, *L.*
 - acuminata*, L.

Liriodendron, *L.*
tulipifera, *L.*

ORDER MENISPERMACEÆ.

Menispermum, *Tourn.*
Canadense, *L.*

ORDER BERBERIDACEÆ.

Berberis, *L.*
§ *vulgaris*, *L.*
Leontice, *L.*
thalictroides, *L.*
Jeffersonia, *Bart.*
diphyllum, *Pers.*
Podophyllum, *L.*
peltatum, *L.*

ORDER CABOMBACEÆ.

Brasenia, *Schreb.*
peltata, *Pursh.*

ORD. CERATOPHYLLACEÆ.

Ceratophyllum, *L.*
echinatum, *Gray.*

ORDER NELUMBIACEÆ.

Nelumbium, *Juss.*
luteum, *Willd.*

ORDER NYMPÆACEÆ.

Nymphæa, *Tourn.*
odorata, *Ait.*
Nuphar, *Smith.*
lutea, var *Kalmiana*, *Torr.*
and *Gr.*
advena, *Ait.*

ORDER SARRACENIACEÆ.

Sarracenia, *L.*
purpurea, *L.*
heterophylla, *Eaton.*

ORDER PAPAVERACEÆ.

Sanguinaria, *L.*
Canadensis, *L.*
Chelidonium, *L.*
§ *majus*, *L.*

ORDER FUMARIACEÆ.

Dielytra, *Borkh.*
cucullaria, *D. C.*
Canadensis, *D. C.*
eximia, *D. C.*
Corydalis, *D. C.*
glauca, *Pursh.*

ORDER CRUCIFERÆ.

Nasturtium, *R. Br.*
palustre, *D. C.*
Barbarea, *R. Br.*
vulgaris, *R. Br.*
Arabis, *L.*
hirsuta, *Scop.*
lævigata, *D. C.*
Canadensis, *L.*
Cardamine, *L.*
rhomboidea, *D. C.*
hirsuta, *L.*
pratensis, *L.*
Dentaria, *L.*
diphyllum, *Michx.*
laciniata, *Muhl.*
Sisymbrium, *Allioni.*
§ *officinale*, *Scop.*
Erysimum, *L.*
cheiranthoides, *L.*
Sinapis, *L.*
nigra, *L.*
arvensis, *L.*
Cochlearia, *L.*
§ *armoracia*, *L.*
Camelina, *Crantz.*
sativa, *Crantz.*
Lepidium, *L.*
Virginicum, *L.*
Capsella, *Vent.*
§ *bursa-pastoris.*

ORDER CAPPARIDACEÆ.

Palanisia, *Raf.*
graveolens, *Raf.*

ORDER POLYGALACEÆ.

Polygala, *L.*
purpurea, *Nutt.*
ambigua? *Nutt.*
verticillata, *L.*

Polygala, *L.*
Senega, *L.*
paucifolia, Willd.

ORDER VIOLACEÆ.

Viola, *L.*
palmata, *L.*
cucullata, Ait.
blanda, Willd.
Muhlenbergii, Torr.
rostrata, Pursh.
pubescens, Ait.
Canadensis, *L.*
 Solea, *Ging.*
concolor, *Ging.*

ORDER DROSERACEÆ.

Drösera, *L.*
rotundifolia, *L.*
longifolia, *L.*
 Parnassia, *Tourn.*
Caroliniana, Michx.

ORDER CISTACEÆ.

Helianthemum, *Tourn.*
Canadense, Michx.
 Lechea, *L.*
major, Michx.
minor, Lam.

ORDER HYPERICACEÆ.

Hypericum, *L.*
pyramidatum, Ait.
 § *perforatum*, *L.*
corymbosum, Muhl.
mutilum, *L.*
 Elodea, *Adans.*
Virginica, Nutt.

ORDER ILLECEBRACEÆ.

Anychia, *Michx.*
dichotoma, Michx.
var-capillacea, T. & Gr.
 Spergula, *Bartl.*
arvensis, *L.*

ORDER CARYOPHYLLACEÆ.

Arenaria, *L.*
 § *serpyllifolia*, *L.*
lateriflora, *L.*
 Stellaria, *L.*
 § *media*, Smith.
longifolia, Muhl.
borealis, Big.
 Cerastium, *L.*
 § *vulgatum*, *L.*
arvense, *L.*
 Silene, *L.*
stellata, *L.*
antirrhina, *L.*
 § *nocturna*, *L.*
Pennsylvanica, Michx.
Virginica, *L.*
 Lychnis, *D. C.*
 § *githago*, Lam.
 Saponaria, *L.*
 § *officinalis*, *L.*

ORDER PORTULACACEÆ.

Portulaca, *L.*
 § *oleracea*, *L.*
 Claytonia, *L.*
Virginica, *L.*
Caroliniana, Michx.

ORDER LINACEÆ.

Linum, *L.*
Virginianum, *L.*
 § *usitatissimum*, *L.*

ORDER GERANIACEÆ.

Geranium, *L.*
maculatum, *L.*
pusillum, *L.*
Robertianum, *L.*
dissectum, *L.*

ORDER BALSAMINACEÆ.

Impatiens, *L.*
pallida, Nutt.
fulva, Nutt.

ORDER OXALIDACEÆ.

Oxalis, *L.*
stricta, *L.*

ORDER ZANTHOXYLACEÆ.

Zanthoxylum, L.
Americanum, Mill.

ORDER ANACARDIACEÆ.

Rhus, L.
typhina, L.
glabra, L.
venenata, D. C.
toxicodendron, L.
var. radicans, Torr.
aromatica, Ait.

ORDER MALVACEÆ.

Malva, L.
 § *rotundifolia*, L.
 Abutilon, Dill.
 § *avicennæ*, Gært.

ORDER TILIACEÆ.

Tilia, L.
Americana, L.

ORDER VITACEÆ.

Vitis, L.
labrusca? L.
cordifolia, Michx.
riparia, Michx.
 Ampelopsis, Michx.
quinquefolia, Mx.

ORDER ACERACEÆ.

Acer, L.
Pennsylvanicum, L.
spicatum, Lam.
saccharinum, L.
rubrum, L.

ORDER CELASTRACEÆ.

Staphylea, L.
trifolia, L.
 Celastrus, L.
scandens, L.
 Euonymus, L.
atropurpureus, Jacq.

ORDER RHAMNACEÆ.

Rhamnus, L.
alnifolius, L'Her.
 Ceanothus, L.
Americanus, L.

ORDER LEGUMINOSÆ.

Vicia, L.
Americana, Muhl.
cracca? L.
Caroliniana, Walt.

Lathyrus, L.
maritimus, Big.
venosus? Muhl.
ochroleucus, Hook.
myrtifolius, Muhl.
palustris, L.

Phaseolus, L.
perennis, Walt.

Apios, Boerh.
tuberosa, Moench.

Amphicarpæa, Ell.
monoica, Ell.

Tephrosia, Pers.
Virginiana, Pers.

Trifolium, L.
 § *pratense*, L.
repens, L.

Melilotus, Tourn.
officinalis, Willd.
leucantha, Koch.

Medicago, L.
lupulina, L.

Astragalus, L.
Canadensis, L.

Phaca, L.
neglecta, T. & Gr.

Desmodium, D. C.
nudiflorum, D. C.
acuminatum, D. C.
Canadense, D. C.
canascens, D. C.
Dillenii, Darl.
cuspidatum, T. & Gr.
Marilandicum, Boott.
ciliare, D. C.
paniculatum, D. C.
rotundifolium, D. C.

Lespedeza, Michx.

- procumbens*, Michx.
violacea, Pers.
hirta, Ell.
 Lupinus, *L.*
perennis, *L.*
 Baptisia, *Vent.*
tinctoria, R. Br.
 Gymnocladus, Michx.
Canadensis, Michx.

ORDER ROSACEÆ.

- Prunus, *Tourn.*
Americana, Marsh.
 Cerasus, *Juss.*
Pennsylvanica, Lois.
Virginiana, D. C.
serotina, D. C.
 Spirea, *L.*
opulifolia, *L.*
salicifolia, *L.*
 Gillenia, *Moench.*
trifoliata, *Moench.*
 Geum, *L.*
strictum, *Ait.*
Virginianum, *L.*
rivale, *L.*
 Waldsteina, *Willd.*
fragarioides, *Trat.*
 Agrimonia, *Tourn.*
Eupatoria, *L.*
 Potentilla, *L.*
fruticosa, *L.*
argentea, *L.*
Canadensis, *L.*
anserina, *L.*
Norvegica, *L.*
 Comarum, *L.*
palustre, *L.*
 Fragaria, *L.*
Virginiana, *Ehrh.*
Canadensis, *Michx.*
 Rubus, *L.*
odoratus, *L.*
strigosus, *Michx.*
occidentalis, *L.*
villosus, *Ait.*
Canadensis, *L.*
hispidus, *L.*
triflorus, *Rich.*

- Rosa, *L.*
 § *rubiginosa*, *L.*
Carolina, *L.*
parviflora, *Ehrh.*
 Crataegus, *L.*
crus-galli, *L.*
coccinea, *L.*
tomentosa, *L.*
punctata, *Jacq.*
 Pyrus, *L.*
coronaria, *L.*
arbutifolia, *L.*
 var. 1, *erythrocarpa*.
 var. 2, *melanocarpa*.
 Amelanchier, *Medic.*
Canadensis, *T. & Gr.*
 var. *botryapium*, *T. & G.*
 var. *oblongifolia*, *T. & G.*
 var. *rotundifolia*, *T. & G.*

ORDER LYTHRACEÆ.

- Decodon, *Gmel.*
verticillatum, *Ell.*

ORDER ONOGRACEÆ.

- Epilobium, *L.*
augustifolium, *L.*
coloratum, *Muhl.*
molle, *Torr.*
palustre, *L.*
 v. *albiflorum*, *Lehm.*
 Enothera, *L.*
biennis, *L.*
pumila, *L.*
 Gaura, *L.*
biennis, *L.*
 Ludwigia, *L.*
palustris, *Ell.*
 Circaea, *Tourn.*
Lutetiana, *L.*
alpina, *L.*

SUB-ORDER HALORAGEÆ.

- Proserpinaca, *L.*
palustris, *L.*
 Myriophyllum, *Vaill.*
verticillatum, *L.*
 Hippuris, *L.*
vulgaris, *L.*

ORDER CALLITRICHACEÆ.

Callitriche, *L.*
verna, *L.*

ORDER GROSSULARIACEÆ.

Ribes, *L.*
floridum, L'Herit.
triflorum, Willd.
cynosbati, *L.*

ORDER CRASSULACEÆ.

Sedum, *L.*
telephoides, *Mx.*
Penthorum, *L.*
sedoides, *L.*

ORDER SAXIFRAGACEÆ.

Saxifraga, *L.*
Virginiansis, *Mx.*
Pennsylvanica, *L.*

Mitella, *L.*
diphylla, *L.*
nuda, *L.*

Tiarella, *L.*
cordifolia, *L.*

Chryso-splenium, *L.*
Americanum, Schw.

ORDER HAMAMELACEÆ.

Hamamelis, *L.*
Virginiana, *L.*

ORDER UMBELLIFERÆ.

Hydrocotyle, *Tourn.*
Americana, *L.*

Sanicula, *Tourn.*
Marilandica, *L.*
Canadensis? *L.*

Cicuta, *L.*
maculata, *L.*
bulbifera, *L.*

Sium, *L.*
latifolium, *L.*
Cryptotaenia, *D. C.*
Canadensis, *D. C.*

Zizia, *Koch.*
aurea, *Koch.*

Zizia, *Koch.*
integerrima, *D. C.*
Thaspium, *Nutt.*
cordatum, *T. and G.*
Archangelica, *Hoff.*
atropurpurea, *Hoff.*
hirsuta, *T. and G.*
Pastinica, *Tourn.*
§ *sativa*, *L.*
Heracleum, *L.*
lanatum, *Mx.*
Daucus, *L.*
§ *carota*, *L.*
Osmarhiza, *Raf.*
longistylis, *D. C.*
brevistylis, *D. C.*
Conium, *L.*
maculatum, *L.*

ORDER ARALIACEÆ.

Aralia, *L.*
nudicaulis, *L.*
racemosa, *L.*
Panax, *L.*
quinquefolium, *L.*
trifolium, *L.*

ORDER CORNACEÆ.

Cornus, *L.*
alternifolia, *L.*
circinata, *L.*
stolonifera, *Mx.*
paniculata, L'Her.
sericea, L'Her.
florida, *L.*
Canadensis, *L.*

ORDER CAPRIFOLIACEÆ.

Linnea, *Gron.*
borealis, *Gron.*
Symphoricarpus, *Dill.*
racemosus, *Mx.*
Lonicera, *L.*
hirsuta, *Eat.*
parviflora, *Lam.*
ciliata, *Muhl.*
coerulea, *L.*
oblongifolia, *Hook.*

- Diervilla, *Tourn.*
trifida, Moench.
 Triosteum, *L.*
perfoliatum, *L.*
 Sambucus, *Tourn.*
Canadensis, *L.*
pubens, *Mx.*
 Viburnum, *L.*
lentago, *L.*
dentatum, *L.*
pubescens, *Ph.*
acerifolium, *L.*
opulus, *L.*
 var. *Americanum*, *Ait.*
 ORDER RUBIACEÆ.
 Hedyotis, *L.*
cærulea, *Hook.*
ciliolata, *Hook.*
 Galium, *L.*
aparine, *L.*
trifidum, *L.*
 var. *tinctorium*, *T. and G.*
 var. *latifolium*, *T. and G.*
asprellum, *Mx.*
triflorum, *Mx.*
pilosum, *Ait.*
circæzans, *Mx.*
 var. *lanceolatum*, *T. and G.*
boreale, *L.*
 Cephalanthus, *L.*
occidentalis, *L.*
 Mitchellia, *L.*
repens, *L.*

ORDER VALERIANACEÆ.

- Fedia, *Moench.*
fagopyrum, *T. and G.*
 Valeriana, *L.*
sylvatica, *Herb. Banks.*
 var. *uliginosa*, *T. and G.*

ORDER DIPSACEÆ.

- Dipsacus, *L.*
 § *sylvestris*, *L.*

ORDER COMPOSITÆ.

- Vernonia, *Schreb.*
noveboracensis, *Willd.*
 Liatris, *Schreb.*
scariosa, *Willd.*
 Eupatorium, *L.*
perfoliatum, *L.*

- Eupatorium, *L.*
purpureum, *L.*
 var. *maculatum*, *Darl.*
sessilifolium, *L.*
agerotoides, *L.*
 Tussilago, *Tourn.*
 § *farfara*, *L.*
 Aster, *L.*
corymbasus, *Ait.*
macrophyllus.
lævis, *L.*
cyaneus, *Pursh.*
undulatus, *L.*
cardifolius, *L.*
saggittifolius, *Willd.*
miser, *L.*
 var. *hirsuticaulis*, *T. and G.*
simplex, *Willd.*
puniceus, *L.*
novæ-angliæ, *Ait.*
acuminatus, *Mx.*
carneus, *Mx.*
umbellatus, *Mill.*
 Erigeron, *L.*
Canadense, *L.*
bellidifolium, *Muhl.*
Philadelphicum, *L.*
strigosum, *Muhl.*
 var. *integrifolium*, *Big.*
 Solidago, *L.*
Canadensis, *L.*
serotina, *Ait.*
gigantea, *Ait.*
altissima, *L.*
nemoralis, *Ait.*
patula, *Willd.*
arguta, *Ait.*
neglecta, *T. and G.*
Muhlenbergii, *T. and G.*
bicolor, *L.*
cæsia, *Ait.*
linoides, *Soland.*
Ohioensis, *Ridd.*
latifolia, *Muhl.*
squarrosa, *Muhl.*
 Inula, *L.*
 § *helenium*, *L.*
 Polymnia, *L.*
vedalia, *L.*
Canadensis, *L.*

Xanthium, *L.*
 strumarium, *L.*
 Ambrosia, *L.*
 artemisiæfolia, *L.*
 trifida, *L.*
 Heliopsis, *Pers.*
 lævis, *Pers.*
 Rudbeckia, *L.*
 laciniata, *L.*
 Actinomeris, *Nutt.*
 alternifolia, *D. C.*
 Helianthus, *L.*
 divaricatus, *L.*
 frondosus, *L.*
 strumosus, *L.*
 altissimus, *L.*
 decapetalus, *L.*
 § *tuberosus*, *L.*
 Bidens, *L.*
 cernua, *L.*
 petiolata, *Nutt.*
 frondosa, *L.*
 connata, *Muhl.*
 chrysanthemoides, *Mx.*
 bipinnata, *L.*
 beckii, *Torr.*
 Helenium, *L.*
 autumnale, *L.*
 Maruta, *Cass.*
 § *cotula*, *Cass.*
 Achillea, *L.*
 § *millefolium*.
 Leucanthemum, *Tourn.*
 § *vulgare*, *Lam.*
 Artemisia, *L.*
 absinthium, *L.*
 Tanacetum, *L.*
 § *vulgare*, *L.*
 Gnaphalium, *L.*
 decurrens, *Ives.*
 polycephalum, *Mx.*
 uliginosum, *L.*
 purpureum, *L.*
 Antennaria, *R. Br.*
 plantaginea, *R. Br.*
 margaritacea, *R. Br.*
 Senecio, *L.*
 aureus, *L.*
 hieracifolius, *L.*
 Centaurea, *L.*
 § *cyaneus*, *L.*

Cirsium, *Tourn.*
 § *lanceolatum*, *Scop.*
 altissimum, *Spreng.*
 discolor, *Spreng.*
 pumilum, *Spreng.*
 muticum, *Mx.*
 § *arvense*, *Scop.*
 Lappa, *Tourn.*
 § *major*, *Gært.*
 Cichorium, *L.*
 intybus, *L.*
 Lactuca, *Tourn.*
 elongata, *Muhl.*
 hirsuta, *Nutt.*
 Taraxacum, *Hall.*
 § *dens-leonis*, *Desf.*
 Sonchus, *L.*
 § *oleraceus*, *L.*
 spinulosus, *Big.*
 Hieracium, *L.*
 venosum, *L.*
 marianum, *Willd.*
 Canadense, *Mx.*
 paniculatum, *L.*
 Nabalus, *Cass.*
 altissimus, *Hook.*
 albus, *Hook.*

ORDER LOBELIACEÆ.

Lobelia, *L.*
 kalmii, *L.*
 siphilitica, *L.*
 cardinalis, *L.*
 inflata, *L.*

ORDER CAMPANULACEÆ.

Campanula, *L.*
 rotundifolia, *L.*
 amplexicaulis, *Mx.*
 Americana, *L.*
 aparanoides, *Ph.*

ORDER ERICACEÆ.

Andromeda, *L.*
 polifolia, *L.*
 calyculata, *L.*
 Gautiera, *L.*
 procumbens, *L.*
 Rhododendron, *L.*
 nudiflorum, *Torr.*
 Kalmia, *L.*
 latifolia, *L.*
 angustifolia, *L.*

- Epigea*, *L.*
repens, *L.*
Ledum, *L.*
latifolium, *L.*
Vaccinium, *L.*
stamineum, *L.*
dumosum, *Andr.*
frondosum, *L.*
resinosum, *Ait.*
corymbosum, *L.*
Pennsylvanicum, *Lam.*
macrocarpon, *Ait.*
Lasiespa, *Torr.*
hispidula, *Torr.*
Pyrola, *L.*
rotundifolia, *L.*
chlorantha, *Swartz.*
elliptica, *Nutt.*
secunda, *L.*
uniflora, *L.*
Chimaphila, *Pursh.*
umbellata, *Nutt.*
maculata, *Ph.*
Monotropa, *L.*
uniflora, *L.*
Hypopithys, *Dillen.*
lanuginosa, *Nutt.*
Pterospora, *Nutt.*
andromedeae, *Nutt.*

ORDER AQUIFOLIACEÆ.

- Nemopanthes*, *Raf.*
Canadensis, *Raf.*
Prinos, *L.*
verticillatus, *L.*

ORDER OLEACEÆ.

- Fraxinus*, *L.*
sambucifolia, *Lam.*
acuminata, *Lam.*

ORDER APOCYNACEÆ.

- Apocynum*, *L.*
androsæmifolium, *L.*
hypericifolium, *Ait.*

ORDER ASCLEPIADACEÆ.

- Asclepias*, *L.*

[Senate, No. 51.]

- Asclepias*, *L.*
syriaca, *L.*
phytolaccoides, *Ph.*
incarnata, *L.*
quadrifolia, *Jacq.*
tuberosa, *L.*

ORDER GENTIANACEÆ.

- Gentiana*, *L.*
saponaria, *L.*
quinqueflora, *L.*
crinita, *Froel.*
Centaurella, *Mx.*
autumnalis, *Ph.*
Menyanthes, *L.*
trifoliata, *L.*

ORDER POLEMONIACEÆ.

- Phlox*, *L.*
divaricata, *L.*
subulata, *L.*

ORDER CONVOLVULACEÆ.

- Convolvulus*, *L.*
arvensis, *L.*
sepium, *L.*
spithameus, *L.*
panduratus, *L.*
Cuscuta, *L.*
Americana, *L.*

ORDER BORAGINACEÆ.

- Lithospermum*, *L.*
latifolium, *Mx.*
 § *arvense*, *L.*
Onosmodium, *Mx.*
hispidum, *Mx.*
Symphytum, *L.*
 § *officinale*, *L.*
Myosotis, *L.*
palustris, *Roth.*
arvensis, *Sibth.*
Pulmonaria, *L.*
virginica, *L.*
Echinosperrum, *Lehm.*
 § *lappula*, *Lehm.*
virginianum, *Lehm.*

Cynoglossum, *L.*
 § *officinale*, *L.*
Virginianum, *L.*

ORDER HYDROPHYLLACEÆ.

Hydrophyllum, *L.*
Virginicum, *L.*
Canadense, *L.*

ORDER LABIATÆ.

Lycopus, *L.*
sinuatus, *Ell.*
Virginicus, *L.*

Mentha, *L.*
 § *viridis*, *L.*
 § *piperita*, *L.*
Canadensis, *L.*

Monarda, *L.*
fistulosa, *L.*
didyma, *L.*

Pycnanthemum, *Mx.*
incanum, *Mx.*

Collinsonia, *L.*
Canadensis, *L.*

Hedeoma, *Pers.*
pulegioides, *Pers.*

Melissa, *L.*
 § *officinalis*, *L.*
clinopodium, *Benth.*

Prunella, *L.*
vulgaris, *L.*

Scutellaria, *L.*
galericulata, *L.*
lateriflora, *L.*

Laphanthus, *Benth.*
nepetoides, *Benth.*
scrophularifolius, *Benth.*

Nepeta, *L.*
cataria, *L.*
glechoma, *Benth.*

Leonurus, *L.*
 § *cardiaca*, *L.*

Stachys, *L.*
aspera, *Mx.*
palustris, *L.*

Galeopsis, *L.*
tetrahit, *L.*

Marrubium, *L.*
 § *vulgare*, *L.*

Teucrium, *L.*
Canadense, *L.*

ORDER SOLONACEÆ.

Solanum, *L.*
 § *dulcamara*, *L.*
 § *nigrum*, *L.*

Physalis, *L.*
viscosa, *L.*

Nicandra, *Adans.*
 § *physaloides*, *Pers.*

Datura, *L.*
stramonium, *L.*
var. tatula, *T. and G.*

ORDER SCROPHULARIACEÆ.

Verbascum, *L.*
 § *thapsus*, *L.*
blattaria, *L.*

Veronica, *L.*
 § *serpyllifolia*, *L.*
scutellata, *L.*
anagallis, *L.*
beccabunga, *L.*
peregrina, *L.*
 § *arvensis*, *L.*
Virginica, *L.*

Buchnera, *L.*
Americana, *L.*

Scrophularia, *L.*
marilandica, *L.*

Linaria, *Tourn.*
 § *vulgaris*, *Ait.*
 § *elatine*, *Desf.*

Mimulus, *L.*
ringens, *L.*

Gratiola, *L.*
Virginica, *L.*

Lindernia, *L.*
dilatata, *Muhl.*
attenuata, *Muhl.*

Chelone, *L.*
glabra, *L.*

Pentstemon, *L'Her.*
pubescens, *Ait.*

Collinsia, *Nutt.*
verna, *Nutt.*

Gerardia, *L.*
purpurea, *L.*
tenuifolia, *Vahl.*

Gerardia, *L.**flava*, *L.**quercifolia*, *Ph.**pedicularia*, *L.*Pedicularis, *L.**Canadensis*, *L.*Castilleja, *Mutis.**coccinea*, *Spreng.*Melampyrum, *L.**Americanum*, *Mx.*

ORDER OROBANCHACEÆ.

Orobanche, *L.**Americana*, *L.**uniflora*, *L.*Epiphegus, *Nutt.**Americanus*, *Nutt.*

ORDER VERBENACEÆ.

Verbena, *L.**hastata*, *L.**urticifolia*, *L.*Phryma, *L.**leptostachya*, *L.*

ORDER LENTIBULACEÆ.

Utricularia, *L.**vulgaris*, *L.**cornuta*, *Mx.*Pinguicula, *L.**vulgaris*, *L.*

ORDER PRIMULACEÆ.

Primula, *L.**mistassinica*, *Mx.*Trientalis, *L.**Americana*, *Ph.*Lysimachia, *L.**stricta*, *Ait.**quadrifolia*, *L.**ciliata*, *L.**thyrsiflora*, *L.*Samolus, *L.**Valerandi*, *L.*

ORDER PLANTAGINEÆ.

Plantago, *L.*§ *major*, *L.**Virginica*, *L.*§ *lanceolata*, *L.*

ORDER AMARANTHACEÆ.

Amaranthus, *L.*§ *albus*, *L.*§ *hybridus*, *L.*§ *oleraceus*, *L.*

ORDER CHENOPODIACEÆ.

Chenipodium, *L.*§ *ambrosioides*, *L.*§ *album*, *L.*§ *botrys*, *L.*§ *hybridum*, *L.*§ *rubrum*, *L.*Blitum, *L.*§ *capitatum*, *L.*

ORDER PHYTOLACCACEÆ.

Phytolacca, *L.**decandra*, *L.*

ORDER POLYGONACEÆ.

Polygonum, *L.*§ *aviculare*, *L.*§ *erectum*, *L.**Virginianum*, *L.**hydropiper*, *L.**mite*, *Pers.*§ *Persicaria*, *L.**amphibium*, *L.**var. natans*, *Mx.**var. emersum*, *Mx.**Pennsylvanicum*, *L.*§ *orientale*, *L.**sagittatum*, *L.*§ *convolvulus*, *L.*§ *Fagopyrum*, *L.*Rumex, *L.*§ *crispus*, *L.*§ *obtusifolius*, *L.**verticillatus*, *L.*§ *acetosella*, *L.*

ORDER LAURACEÆ.

Laurus, *L.**sassafras*, *L.**Benzoin*, *L.*

ORDER ELEAGNACEÆ.

Shepherdia, *Nutt.*

Shepherdia, *Nutt.*
Canadensis, Nutt.

ORDER THYMELACEÆ.

Dirca, *L.*
palustris, *L.*

ORDER SANTALACEÆ.

Nyssa, *L.*
aquatica, *L.*
Comandra, *Nutt.*
umbellata, Nutt.

ORDER ARISTOLOCHIACEÆ.

Asarum, *Tourn.*
Canadense, *L.*

ORDER EUPHORBIACEÆ.

Acalypha, *L.*
Virginica, *L.*
Euphorbia, *L.*
hypericifolia, *L.*
maculata, *L.*
polygonifolia, *L.*
obtusata, *Ph.*

ORDER URTICACEÆ.

Urtica, *Tourn.*
pumila, *L.*
§ *dioica*, *L.*
Canadensis, *L.*
Boehmeria, *Willd.*
cylindrica, *Willd.*
Parietaria, *L.*
Pennsylvanica, *Muhl.*
Cannabis, *L.*
§ *sativa*, *L.*
Humulus, *L.*
§ *Lupulus*, *L.*

ORDER ARTOCARPEÆ.

Morus, *L.*
rubra, *L.*

ORDER SAURURACEÆ.

Saururus, *L.*
cernuus, *L.*

ORDER AMENTACEÆ.

SUB-ORDER CUPULIFERÆ.

Carpinus, *L.*
Americana, *Mx.*
Ostrya, *Scop.*
Virginica, *Willd.*
Corylus, *Tourn.*
Americana, *Walt.*
rostrata, *Ait.*
Fagus, *Tourn.*
Sylvestris, *Mx.*
ferruginea, *Ait?*
Castanea, *Goert.*
vesca, *Goert.*
Quercus, *L.*
tinctoria, *Bart.*
rubra, *L.*
alba, *L.*
bicolor, *Willd.*
montana, *Willd.*
coccinea, *Wang.*

SUB-ORDER BETULEÆ.

Betula, *Tourn.*
populifolia, *Ait.*
excelsa, *Ait.*
papyracea, *Ait.*
Alnus, *Willd.*
serrulata, *Willd.*

SUB-ORDER SALICINEÆ.

Salix, *Tourn.*
candida, *Willd.*
Muhlenbergiana, *Willd.*
pedicellaris, *Pursh.*
rostrata, *Rich.*
nigra, *Mars.*
lucida, *Muhl.*
cordata, *Muhl.*
falcata, *Pursh.*
grisea, *Willd.*
petiolaris, *Smith.*
discolor, *Willd.*
§ *vitellina*, *L.*
Populus, *Tourn.*
candicans, *Ait.*
tremuloides, *Michx.*
tremula, *L.*

SUB-ORDER MYRICEÆ.

- Myrica, *L.*
gale, *L.*
cerifera, *L.*
 Comptonia, *Banks.*
asplenifolia, *Ait.*

SUB-ORDER PLATANÆ.

- Platanus, *L.*
occidentalis, *L.*

ORDER ULMACEÆ.

- Ulmus, *L.*
Americana, *L.*

- Ulmus, *L.*
fulva, *Mx.*
racemosa, *Thomas.*
 Celtis, *L.*
occidentalis, *L.*

ORDER JUGLANDACEÆ.

- Juglans, *L.*
nigra, *L.*
cinerea, *L.*
 Carya, *Nutt.*
alba, *Nutt.*
amara, *Nutt.*
porcina, *Nutt.*

CLASS II.—GYMNOSPERMÆ.

ORDER CONIFERÆ.

- Pinus, *L.*
resinosa, *Ait.*
rigida, *L.*
strobis, *L.*
nigra, *Ait.*
balsamea, *L.*

- Canadensis*, *L.*
pendula, *Ait.*
occidentalis, *L.*
 Juniperus, *L.*
Virginiana, *L.*
 Taxus, *L.*
Canadensis, *L.*

CLASS III.—ENDOGENÆ.

ORDER AMARYLLIDACEÆ.

- Hypoxis, *L.*
erecta, *L.*

ORDER IRIDACEÆ.

- Sisyrinchium, *L.*
anceps, *L.*
 Iris, *L.*
versicolor, *L.*

ORDER HYDROCHARACEÆ.

- Udora, *Nutt.*
Canadensis, *Nutt.*
 Valisneria, *Michel.*
spiralis, *L.* v. *Americana*,
Mx.

ORDER ORCHIDACEÆ.

- Orchis, *L.*
spectabilis, *L.*

Orchis, L.

- orbiculata*, Ph.
blephariglottis, Willd.
hyperborea, L.
dilatata, Ph.
psycodes, L.
grandiflora, Big.
lacera, Mx.
ciliaris, L.
bracteata, Muhl.
tridentata, Muhl.

Aplectrum, Nutt.

- hyemale*, Nutt.

Corallorhiza, Haller,

- multiflora*, Nutt.

Arethusa, L.

- bulbosa*, L.

Pogonia, Juss.

- ophioglossoides*, R. Br.

Triphora, Nutt.

- pendula*, Nutt.

Calopogon, R. Br.

- pulchellus*, R. Br.

Spiranthes, Rich.

- cernuu*, Rich.
gracilis, Hook.
aestivalis, Rich.

Goodyera, R. Br.

- pubescens*, R. Br.

Cypripedium, L.

- pubescens*, Willd.
acaule, Ait.
spectabile, Sw.

ORDER PANTEDERiaceÆ.

Pontederia, L.

- cordata*, L.

Schallera, Schreb.

- graminifolia*, Muhl.

ORDER MELANTHACEÆ.

Veratrum, L.

- viride*, Ait.

Helonias, L.

- dioica*, Ph.

ORDER TRILLIACEÆ.

Trillium, L.

- erythrocarpum*, Mx.
erectum, L.
grandiflorum, Salis.

ORDER LILIACEÆ.

Lilium, L.

- Philadelphicum*, L.
Canadense, L.
superbum, L.

Erythronium, L.

- Americanum*, Smith.

Allium, L.

- cernuum?* Roth.
tricoccum, Ait.

Connallaria, L.

- pubescens*, Willd.
bifolia, L.
stellata, L.

- racemosa*, L.

- borealis*, Torr.

Streptopus, Mx.

- roseus*, Mx.

Uvularia, L.

- perfoliata*, L.
grandiflora, Smith.
sessilifolia, L.

ORDER ALISMACEÆ.

Sagittaria, L.

- sagittifolia*, L.
heterophylla, Ph.
acutifolia? Ph.

Alisma, L.

- Plantago*, L.

ORDER JUNCEÆ.

Luzula, D. C.

- campestris*, D. C.
pilosa, Willd.

Juncus, L.

- effusus*, L.
nodosus, L.
tenuis, Willd.
bufonius, L.
polycephalus, Mx.

ORDER SMILACEÆ.

Smilax, L.

- rotundifolia*, L.
herbacea, L.

ORDER ARACEÆ.

- Arum, *L.*
dracontium, *L.*
triphylllum, *L.*
Peltandra, *Raf.*
Virginica, *Raf.*
Calla, *L.*
palustris, *L.*
Symplocarpus, *Salis.*
fatidus, *Nutt.*
Acorus, *L.*
calamus, *L.*

ORDER TYPHACEÆ.

- Typha, *L.*
latifolia, *L.*
angustifolia, *L.*
Sparganium, *L.*
ramasum, *L.*
simplex, *Hud.*

ORDER FLUVIALES.

- Najas, *L.*
Canadensis, *Mx.*
Zannichellia, *L.*
palustris, *L.*
Potamogeton, *L.*
natans, *L.*
heterophyllum, *Schreb.*
perfoliatum, *L.*
lucens, *L.*
compressum, *L.*
gramineum, *Mx.*
pectinatum, *L.*

ORDER JUNCAGINACEÆ.

- Triglochin, *L.*
palustre, *L.*
elatum, *Nutt.*
Scheuchzeria, *L.*
palustris, *L.*

ORDER PISTIACEÆ.

- Lemna, *L.*
polyrrhiza, *L.*
minor, *L.*
trisulca, *L.*

ORDER CYPERACEÆ.

- Dulichium, *Rich.*
spathaceum, *Peis.*
Cyperus, *L.*
diandrus, *Torr.*
var. castaneus, *Torr.*
Michauxianus, *Schul.*
strigosus, *L.*
repens, *Ell.*
fliculmis, *Vahl.*
Eleocharis, *R. Br.*
palustris, *R. Br.*
intermedia, *Schul.*
obtusa, *Schul.*
acicularis, *R. Br.*
tenuis, *Schul.*
Scirpus, *L.*
rostellatus, *Torr.*
lacustris, *L.*
maritimus, *L.*
var. fluviatilis, *Torr.*
triqueter, *L.*
atrovirens, *Muhl.*
eriophorum, *Mx.*
Eriophorum, *L.*
Virginicum, *L.*
polystachyon, *L.*
angustifolium, *Reich.*
Rhynchospora, *Vahl.*
alba, *Vahl.*
capillacea, *Torr.*
Cladium, *Brown.*
mariscoides, *Mx.*
Scleria, *Berg.*
triglomerata, *Mx.*
verticillata, *Muhl.*
Carex, *Linn.*
dioica? *L.?*
Davalliana, *Sm.*
lencoglochin, *Ehrh.*
polytrichoides, *Muhl.*
scoparia, *Schk.*
lagopodiodes, *Schk.*
straminea, *Willd.*
festucacea, *Schk.*
mirabilis, *Dewey.*
cristata, *Schw.*
tenera, *Dew.*
Sartwellii, *Dew.*
sterilis, *Willd.*

Canex, Linn.

stellulata, Good.
scirpoides, Schk.
stipata, Muhl.
alopecoidea, Tuck.
cephalophora, Muhl.
Muhlenbergi, Schk.
rosea, Schk.
sparganoides, Muhl.
setacea, Dew.
vulpinoidea, Mx.
teretiuscula, Good.
paniculata, L.
decomposita, Muhl.
chordorrhiza, Ehrh.
canescens, L.
sphaerostachya.
Bromoides, Schk.
Deweyana, Schw.
trisperma, Dew.
disperma, Dew.
Buxbaumii, Wahl.
acuta, L.
caespitosa, L.
stricta, Lam.
aquatilis, Wahl.
miliacea, Muhl.
scabrata, Schw.
crinita, Lam.
paleacea, Wahl.
limosa, L.
irrigua, Boott.
aurea, Nutt.
debilis, Mx.
arctata, Boott.
flava, L.
intumescens, Rudge.
lupulina, L.
gigantea, Rudge.
pseudo-cyperus, L.
hystericina, Muhl.
squarrosa, L.
retrorsa, Schw.
tentaculata, Muhl.
bullata, Schk.
monile, Tuck.
ampullacea, Good.
trichocarpa, Muhl.
lacustris, Willd.
filiiformis, L.

Canex, Linn.

lanuginosa, Mx.
umbellata, Schk.
Pennsylvanica, Lam.
varia, Muhl.
pubescens, Muhl.
hirsuta, Willd.
virescens, Muhl.
gracillima, Schw.
formosa, Dew.
laxiflora, Muhl.
conoidea, Schk.
granularis, Muhl.
pallescens, L.
tetanica, Schk.
eburnea, Boott.
pedunculata, Muhl.
plantiginea, Lam.
anceps, Muhl.
digitalis, Willd.
oligocarpa, Schk.
Hitchcockiana, Dew.
Wildenovii, Schk.
 ORDER GRAMINEÆ.
 § *vulgaris*, Sm.
 § *alba*, L.
Michauxii, Trin.
scabra, Willd.
Virginica, Muhl.
Mexicana, L.
sobolifera, Muhl.
tenuiflora, Willd.
sylvatica, Torr.
Muhlenbergia, Schreb.
diffusa, Schreb.
Cinna, L.
arundinacea, Willd.
Polypogon, Desf.
racemosus, Nutt.
Brachyelytrum, P. de B.
aristatum, P. de B.
Alopecurus, L.
geniculatus, L.
v. aristulatus, Torr.
Phleum, L.
pratense, L.
Phalaris, L.
arundinacea, L.
Milium, L.
effusum, L.

- Milium, *L.*
 pungens, Torr.
 Piptatherum, *P. de B.*
 nigrum, Torr.
 Oryzopsis *Mx.*
 asperifolia, *Mx.*
 Panicum, *L.*
 § *crus-galli*, *L.*
 clandestinum, *L.*
 latifolium, *L.*
 dichotomum, *L.*
 depauperatum, *Muhl.*
 pubescens, *Lam.*
 capillare, *L.*
 Setaria, *P. de B.*
 § *viridis*, *P. de B.*
 § *glauca*, *P. de B.*
 Digitaria, *Haller.*
 sanguinalis, *Scop.*
 glabra, *R. and S.*
 Calamagrostis, *Roth.*
 Canadensis, *P. de B.*
 inexpansa, *Gray.*
 Aira, *L.*
 flexuosa, *L.*
 Trisetum, *Pers.*
 palustre, *Torr.*
 Holcus, *L.*
 § *lanatus*, *L.*
 Arundo, *L.*
 phragmites, *L.*
 Danthonia, *D. C.*
 spicata, *P. de B.*
 Festuca, *L.*
 § *duriuscula*, *L.*
 tenella, *Willd.*
 pratensis, *Huds.*
 nutans, *Willd.*
 Glyceria, *R. Br.*
 fluitans, *R. Br.*
 acutiflora, *Torr.*
 Poa, *L.*
 § *annua*, *L.*
 dentata, *Torr.*
 aquatica, *L.*
- Poa, *L.*
 pungens, *Torr.*
 § *pratensis*, *L.*
 compressa, *L.*
 serotina, *Ehrh.*
 nemoralis, *L.*
 nervata, *Willd.*
 parviflora, *Ph.*
 Canadensis, *Torr.*
 capillaris, *L.*
 reptans, *Mx.*
 § *eragrostis*, *L.*
 Dactylis, *L.*
 § *glomerata*, *L.*
 Koeleria, *Pers.*
 Pennsylvanica, *D. C.*
 truncata, *Torr.*
 Bromus, *L.*
 § *secalinus*, *L.*
 pubescens, *Muhl.*
 sterilis, *L.*
 Eleusine, *Gært.*
 indica, *Lam.*
 Secale, *L.*
 § *cereale*, *L.*
 Elymus, *L.*
 Virginicus, *L.*
 Canadensis, *L.*
 striatus, *Willd.*
 hystrix, *L.*
 Triticum, *L.*
 § *repens*, *L.*
 caninum, *L.*
 Lolium, *L.*
 perenne, *L.*
 Andropogon, *L.*
 scoparius, *Mx.*
 Virginicus, *L.*
 furcatus, *Muhl.*
 nutans, *L.*
 Leersia, *Sol.*
 Virginica, *Willd.*
 oryzoides, *Swartz.*
 Zizania, *L.*
 aquatica, *Lamb.*

CLASS IV. ACROGENÆ.

ORDER EQUISETACEÆ.

- Equisetum, *Tourn.*
limosum, L.
sylvaticum, L.
hyemale, L.
variegatum, Seleich.
arvense, L.

ORDER FILICES.

- Polypodium, *L.*
vulgare, L.
Phegopteris, L.
var. connectile, Mx.
var. hexagonopterum, Mx.
Aspidium, *Swartz.*
acrostichoides, Swartz.
thelypteris, Sew.
Goldianum, Hook.
marginale, Sw.
dilatatum, Sw.
asplenoides, Sw.
cristatum, Sw.
angustum, Willd.
Cystopteris, *Bernh.*
fragilis, Bern.
bulbifera, Bern.
Dicksonia, *L'Her.*
pilosciuscula, Willd.
Woodsia, *R. Br.*
obtusa, R. Br.
ilvensis, R. Br.

- Asplenium, *L.*
rhizophyllum, L.
angustifolium, Mx.
ebeneum, Ait.
Tricomanes, L.
thelypteroides, Mx.
Woodwardia, *Sm.*
Virginica, Sw.
Pteris, *L.*
aquilina, L.
atropurpurea, L.
gracilis, Mx.
Adiantum, *L.*
pedatum, L.
Struthiopteris, *Willd.*
Germanica, Willd.
Onoclea, *L.*
sensibilis, L.
Osmunda, *L.*
Claytoniana, L.
cinnamomea, L.
regalis, L.
Botrychium, *Swartz.*
Virginianum, Sw.

ORDER LYCOPODIACEÆ.

- Lycopodium, *L.*
clavatum, L.
complanatum, L.
obscurum, L.
annotinum, L.
lucidulum, Mx.