

A PARTIAL CATALOGUE OF THE FLORA OF STEUBEN COUNTY.

ANGOLA, IND., October 1, 1890.

Hon. S. S. Gorby, State Geologist of Indiana:

SIR—I take pleasure in presenting the accompanying Catalogue of the Flora of Steuben County. In the analysis and identification of many plants I have received much valuable assistance from Dr. Charles R. Dryer, of Fort Wayne, to whom I express my most sincere thanks.

Very truly,

E. BRADNER.

REMARKS.

The following catalogue, although incomplete, contains nearly all of the Phenogams. The *Cyperaceæ*, *Gramineæ* and the aquatic plants have received the least attention, and are therefore the most incomplete. A few Cryptogams have been recorded. The order and nomenclature of Gray's Manual of Botany, Revised Edition, have been carefully followed. For the benefit of the general reader the common names of many of the plants have been given. In this I have principally consulted Gray, introducing, however, a few local names. I have recorded 100 orders, 366 genera and 729 species. Of these 34 genera and 91 species belong to the Order *Compositæ*; 25 genera and 47 species to *Gramineæ*; 19 genera and 36 species to *Leguminosæ*; 16 genera and 21 species to *Labiataæ*; 12 genera and 22 species to *Ranunculaceæ*; 11 genera and 33 species to *Rosaceæ*; 9 genera and 16 species to *Orchidaceæ*; 7 genera and 32 species to *Cyperaceæ*. There are 19 species of *Carex*; 17 of *Polygonum*; 13 of *Aster*, and 11 of *Solidago*. Many others might be enumerated, but they will be found in the Catalogue. The above are the most numerous. I would call attention to a peculiar form of *Staphylea trifolia*. The leaves are a bright green, lanceolate and very finely serrate. The pods are much smaller and less inflated. In fact the whole habit differs from the usual form and is found growing near it, a fact which clearly proves that the difference is not due to situation. I would also call attention to a form of *Sambucus Canadensis*. It has a very robust growth, the leaf-stems are red, the petals are curled or inflexed. It blooms later than the usual form, and is found growing with it.

CATALOGUE.

RANUNCULACEÆ.

- Clematis virginiana*, L. Virgin's Bower.
Anemone parviflora, Michx.
A. cylindrica, Gray. Long-fruited Anemone.
A. virginiana, L.
A. nemorosa, L. Wind flower. Wood Anemone.
Hepatica acutiloba, D. C. Liver Leaf.
Anemonella thalictroides, Spach. Rue Anemone.
Thalictrum dioicum, L. Early Meadow Rue.
T. polygamum, Muhl. Tall Meadow Rue.
Ranunculus aquatilis, L., var. *trichophyllus*, Gray. White Water Crow-foot.
R. multifidus, Pursh. Yellow Water Crowfoot.
R. sceleratus, L. Cursed Crowfoot.
R. recurvatus, Poir. Hooked Crowfoot.
R. fascicularis, Muhl. Early Crowfoot.
R. repens, L.
R. Pennsylvanicus, L. f. Bristly Crowfoot.
Caltha palustris, L. Marsh Marigold.
Coptis trifolia, Salisb. Three-leaved Goldthread.
Aquilegia Canadensis, L. Wild Columbine.
Delphinium consolida, L. Field Larkspur. Roadsides. Escaped from cultivation.
Actaea alba, Bigel. White Baneberry. Cohosh.
Hydrastis Canadensis, L. Golden Seal. Yellow Puccoon.

MAGNOLIACEÆ.

- Liriodendron tulipifera*, L. Tulip-tree. Whitewood.

ANONACEÆ.

- Asimina triloba*, Dunal. Common Pawpaw.

MANSIPERMACEÆ.

- Menispermum Canadense*, L. Moonseed.

BERBERIDACEÆ.

- Caulophyllum thalictroides*, Michx. Blue Cohosh. Pappoose Root.
Podophyllum peltatum, L. May Apple. Mandrake.

NYMPHÆACEÆ.

- Brasenia peltata*, Pursh. Water Shield.
Nymphaea odorata, Ait. Sweet-scented White Water Lily. Water Nymph.
Nymphaea advena, Ait. f. Yellow Pond Lily. Spatter-dock.

SARRACENIACEÆ.

- Sarracenia purpurea*, L. Side-Saddle Flower. Pitcher Plant. Huntsman's Cup.

PAPAVERACEÆ.

- Sanguinaria Canadensis*, L. Blood-root.
Stylophorum diphyllum, Nutt. Celandine Poppy.
Chelidonium majus, L. Celandine. Waste grounds near dwellings. Adv. from Europe.

FUMARIACEÆ.

- Adlumia cirrhosa*, Raf. Climbing Fumitory.
Dicentra cucullaria, D. C. Dutchman's Breeches.
D. Canadensis, D. C. Squirrel Corn.

CRUCIFERÆ.

- Dentaria diphylla*, L. Toothwort.
D. laciniata, Muhl. Pepper-root.
Cardamine rhomboidea, D. C. Spring Cress.
C. hirsuta, L. Small Bitter Cress.
Arabis Canadensis, L. Sickle-pod.
A. perfoliata, Lam. Flower Mustard.
A. lyrata, L.
Nasturtium officinale, R. Br. True Water Cress. Brooks and ditches; escaped from cultivation.
N. palustre, D. C. Marsh Cress.
N. palustre, var. *hispidum*, D. C.
Brassica Sinapistrum, Boiss. The English Charlock. Adv. from Europe.
B. alba. White Mustard. Adv. from Europe.
B. nigra, Roch. Black Mustard. Fields and waste grounds. Adv. from Europe.
Capsella Bursa-pastoris, Moench. Shepherd's Purse.
Lepidium Virginicum, L. Wild Peppergrass.

CISTACEÆ.

- Lechea major*, Michx. Pinweed.
L. minor, L.

VIOLACEÆ.

- Viola pedata*, L. Bird-foot Violet.
V. cucullata, Gray. Common Blue Violet.
V. sagittata, Ait. Arrow-leaved Violet.
V. blanda, Willd. Sweet White Violet.
V. pubescens, Ait. Downy Yellow Violet.
V. Canadensis, L. Canada Violet.
V. striata, Ait. Pale Violet.
V. rostrata, Pursh. Long-spurred Violet.

CARYOPHYLLACEÆ.

- Saponaria officinalis*, L. Soapwort. Bouncing Bet. Roadsides.
 Adv. from Europe.
Silene stellata, Ait. Starry Champion.
S. noctiflora, L. Night-flowering Catchfly. In wheat fields and cultivated grounds.
Lychnis Githago, Lam. Corn Cockle. In wheat fields. Adv. from Europe.
Stellaria media, Smith. Common Chickweed. Nat. from Europe.
S. pubera, Michx. Great Chickweed.
S. longifolia, Muhl. Long-leaved Stitchwort.
Cerastium viscosum, L. Mouse-ear Chickweed. Nat. from Europe.
C. nutans, Raf.

PORTULACACEÆ.

- Portulaca oleracea*, L. Common Purslane. Nat. from Europe.
Claytonia Caroliniana, Michx. Spring-Beauty.

ELATINACEÆ.

- Elatine Americana*, Arn. Waterwort.

HYPERICACEÆ.

- Hypericum prolificum*, L. Shrubby St. Johnswort.
H. perforatum, L. Common St. Johnswort. Nat. from Europe.
H. maculatum, Walt.
H. Canadense, L.
Elodes campanulata, Pursh. Marsh St. Johnswort.

MALVACEÆ.

- Malva rotundifolia*, L. Common Mallow. Nat. from Europe.
M. sylvestris, L. High Mallow. Waysides and waste places. Adv. from Europe.

M. Moschata, L. Musk Mallow. Escaped from gardens to waysides. Adv. from Europe.

Sida Napæa, Cab.

Abutilon Avicennæ, Gaertn. Velvet Leaf. Waste places. Adv. from India.

Hibiscus Trionum, L. Bladder Ketmia. Flower-of-an-Hour. Escaped from gardens.

TILIACEÆ.

Tilia Americana, L. Linden. Basswood.

GERANIACEÆ.

Geranium maculatum, L. Wild Cranesbill.

Oxalis corniculata, L., var., *stricta*, Sav. Yellow Woodsorrel.

Impatiens pallida, Nutt. Pale Touch-Me-Not.

I. fulva, Nutt. Spotted Touch-Me-Not.

RUTACEÆ.

Zanthoxylum Americanum, Mill. Northern Prickly Ash. Toothache-tree.

ILICINEÆ.

Ilex verticillata, Gray. Black Alder. Winterberry.

Nemopanthes fascicularis, Raf. Mountain Holly.

CELASTRACEÆ.

Celastrus scandens, L. Wax-work. Climbing Bitter-Sweet. Staff-tree.

Euonymus atropurpureus, Jacq. Burning Bush. Waahoo.

E. Americanus, L., var. *obovatus*, Torr and Gray. Strawberry Bush.

RHAMNACEÆ.

Ceanothus Americanus, L. New Jersey Tea. Wild Snowball. Red Root.

VITACEÆ.

Vitis æstivalis, Michx. Summer Grape.

V. cordifolia, Michx. Frost or Chicken Grape.

Ampelopsis quinquefolia, Michx. Virginia Creeper. American Ivy.

SAPINDACEÆ.

Æsculus glabra, Willd. Fetid or Ohio Buckeye.

Acer saccharinum, Wang. Sugar or Rock Maple.

A. rubrum, L. Red or Swamp Maple.

Negundo aceroides, Moench. Ash leaved Maple. Box Elder.

**Staphylea trifolia*, L. American Bladder Nut.

* See remarks,

ANACARDIACEÆ.

- Rhus typhina*, L. Staghorn Sumach.
Rhus glabra, L. Smooth Sumach.
R. copallina, L. Dwarf Sumach.
R. venenata, D. C. Poison Sumach. Swamp Dogwood.
R. Toxicodendron, L. Poison Ivy. Poison Oak.

POLYGALACEÆ.

- Polygala Senega*, L. Seneca Snakeroot.
P. sanguinea, L.
P. cruciata, L.
P. verticillata, L.

LEGUMINOSÆ.

- Baptisia tinctoria*, R. Br. Wild Indigo.
B. leucophæa, Nutt.
Lupinus perennis, L., var. *occidentalis*, Watson. Wild Lupine.
Trifolium arvense, L. Rabbit-foot or Stone Clover. Nat. from Europe.
T. pratense, L. Red Clover. Adv. from Europe.
T. repens, L. White Clover.
T. hybridum, L. Alsike Clover. Nat. from Europe.
T. procumbens, L. Low Hop Clover. Nat. from Europe.
Melilotus officinalis, Willd. Yellow Melilot. Adv. from Europe.
M. Alba, Lam. White Melilot. Sweet Clover. Adv. from Europe.
Medicago sativa, L. Lucerne. Alfalfa. Adv. from Europe.
M. lupulina, L. Black Medick. Nonesuch. Waste places. Adv. from Europe.
Amorpha canescens, Nutt. Lead Plant.
Tephrosia Virginiana, Pers. Goat's Rue.
Robinia Pseudacacia, L. Common Locust or False Acacia. Naturalized.
Desmodium nudiflorum, D. C.
D. acuminatum, D. C.
D. rotundifolium, D. C.
D. canescens, D. C.
D. cuspidatum, Torr. & Gray.
D. paniculatum, D. C.
D. sessilifolium, Torr. & Gray.
Lespedeza violacea, Pers. Bush Clover.
L. polystachya, Michx.
L. capitata, Michx.
Vicia Cracca, L. Vetch.
V. Caroliniana, Walt.

- Lathyrus palustris*, L.
L. orchroleucus, Hook.
Apios tuberosa, Moench. Groundnut. Wild Bean.
Phaseolus perennis, Walt. Wild Bean.
Amphicarpa Monoica, Nutt. Hog Peanut.
Cercis Canadensis, L. Red Bud. Judas Tree.
Cassia Marilandica, L. Wild Senna.
Gymnocladus Canadensis, Lam. Kentucky Coffee Tree.
Gleditschia triacanthos, L. Three-thorned Acacia or Honey Locust.

ROSACEÆ.

- Prunus Americana*, Marshall. Wild Yellow or Red Plum.
P. Virginiana, L. Choke Cherry.
P. serotina, Ehrh. Wild Black Cherry.
Spiraea salicifolia, L. Common Meadow Sweet.
S. tomentosa, L. Hardhack. Steeple Bush.
Rubus triflorus, Richardson. Dwarf Raspberry.
R. strigosus, Michx. Wild Red Raspberry.
R. occidentalis, L. Black Raspberry. Thimbleberry.
R. villosus, Ait. Common or High Blackberry.
R. Canadensis, L. Low Blackberry. Dewberry.
R. hispidus, L. Running Swamp Blackberry.
Geum album, Gmelin.
G. Virginianum, L.
G. strictum, Ait.
Fragaria Virginiana, Mill. Strawberry.
Potentilla arguta, Pursh.
P. Norvegica, L.
P. argentea, L. Silvery Cinque-foil.
P. palustris, Scop. Marsh Five-Finger.
P. fruticosa, L. Shrubby Cinque-foil.
Argemone parviflora, Ait. Small-flowered Agrimony
Rosa setigera, Michx. Climbing or Prairie Rose.
R. Carolina, L. Swamp Rose.
R. lucida, Ehrh. Dwarf Wild Rose.
Rosa rubiginosa, L. Sweetbrier. Eglantine. Nat. from Europe.
Pyrus coronaria, L. American Crab Apple.
P. arbutifolia, L. f., var. *melanocarpa*, Hook. Chokeberry.
Crataegus coccinea, L. Scarlet-fruited Thorn.
C. coccinea, L., var. *mollis*, Torr. & Gray.
C. tomentosa, L. Blackthorn.
C. punctata, Jacq.
Amelanchier Canadensis, Torr. & Gray. Shad Bush. Serviceberry.
 Juneberry.
A. Canadensis, var. *rotundifolia*, Torr. & Gray,

SAXIFRAGACEÆ.

- Saxifraga Pennsylvanica*, L. Swamp Saxifrage.
Mitella diphylla, L. Mitrewort. Bishop's Cap.
Heuchera Americana, L. Common Alum Root.
Parnassia Caroliniana, Michx. Grass of Parnassus.
Ribes Cynosbati, L. Prickly Gooseberry.
R. oxyacanthoides, L.
R. floridum, L'Her. Wild Black Currant.

CRASSULACEÆ.

- Penthorum sedoides*, L. Ditch Stone Crop.
Sedum Telephium, L. Garden Orpine or Live Forever. Adv. from Europe.

DROSERACEÆ.

- Drosera rotundifolia*, L. Round-leaved Sundew.

HAMAMELIDEÆ.

- Hamamelis Virginiana*, L. Witch Hazel.

HALORAGÆ.

- Myriophyllum spicatum*, L. Water Milfiol.
M. verticillatum, L.
M. heterophyllum, Michx.

LYTHRACEÆ.

- Lythrum alatum*, Pursh. Loosestrife.
Decodon verticillatus, Ell. Swamp Loosestrife.

ONAGRACEÆ.

- Ludwigia alternifolia*, L. Seed Box.
L. polycarpa, Short & Peter.
L. palustris, L. Water Purslane.
Epilobium angustifolium, L. Great Willow Herb. Fire Weed. This is the *Bee Plant* or *Spider Flower* of the seed catalogues.
E. strictum, Muhl.
E. coloratum, Muhl.
E. palustre, L.
Ænothera biennis, L. Common Evening Primrose.
Circea Lutetiana, L. Enchanter's Nightshade.
Circea alpina, L.

FICOIDEÆ.

- Mollugo verticillata*, L. Carpet Weed,

UMBELLIFERÆ.

- Daucus Carota*, L. Carrot. Escaped from cultivation.
Angelica atropurpurea, L.
Heracleum lanatum, Michx. Cow Parsnip.
Pastinaca sativa, L. Parsnip. Adv. from Europe.
Cryptotaenia Canadensis, D. C. Honewort.
Sium cicutæfolium, Gmelin. Water Parsnip.
Zizia aurea, Koch. Golden Alexanders.
Z. cordata, D. C.
Carum carui, L. Caraway. Nat. from Europe.
Cicuta maculata, L. Spotted Cowbane. Musquash Root. Beaver
 Poison.
C. bulbifera, L.
Osmorrhiza brevistylis, D. C. Hairy Sweet Cicely.
O. longistylis, D. C. Sweet Cicely.
Eriogenia bulbosa, Nutt. Harbinger of Spring.
Hydrocotyle umbellata, L. Water Pennywort.
Eryngium yuccæfolium, Michx. Rattlesnake Master. Buttonsake
 Root.
Sanicula Marylandica, L. Sanicle. Black Snake Root.

ARALIACEÆ.

- Aralia racemosa*, L. Spikenard.
A. nudicaulis, L. Wild Sarsaparilla.
A. quinquefolia, Decsne. & Plauch. Ginseng.
A. trifolia, Descene. & Plauch. Dwarf Ginseng. Ground-nut.

CORNACEÆ.

- Cornus florida*, L. Flowering Dogwood.
C. sericea, L. Silky Cornel. Kinnikinnik.
C. stolonifera, Michx. Red-osier Dogwood.
C. paniculata, L'Her. Panieled Cornel.
C. alternifolia, L. f.
Nyssa sylvatica, Marsh. Tupelo. Pepperidge. Black or Sour Gum.

CAPRIFOLIACEÆ.

- * *Sambucus Canadensis*, L. Common Elder.
S. racemosa, L. Red-berried Elder.
Viburnum Opulus, L. Cranberry Tree.
V. acerifolium, L. Dockmackie. Arrow-wood.
V. pubescens, Pursh.
V. nudum, L.

* See remarks.

V. Lentago, L. Sweet Viburnum, Sheep-berry.

V. prunifolium, L. Black Haw.

Triosteum perfoliatum, L. Fever-wort. Horse-Gentian. Tinker's-weed.

Wild Coffee.

T. angustifolium, L.

Symphoricarpos racemosus, Michx. Snowberry. Wax-berry. Escaped from cultivation.

Lonicera hirsuta, Eaton. Hairy Honeysuckle. Woodbine.

Diervilla trifida, Moench. Bush-Honeysuckle.

RUBIACEÆ.

Cephalanthus occidentalis, L. Button Bush.

Mitchella repens, L. Partridge-berry. Squaw-berry. Saddle-berry. One-berry.

Galium pilosum, Ait.

G. circæans, Michx. Wild Liquorice.

G. latifolium, Michx.

G. trifidum, L. Small Bedstraw.

G. triflorum, Michx. Sweet-scented Bedstraw.

G. asprellum, Michx. Rough Bedstraw.

DIPSACEÆ.

Dipsacus sylvestris, Mill. Wild Teasel. Roadsides. Nat. from Europe.

COMPOSITÆ.

Veronia fasciculata, Michx. Iron-weed.

Eupatorium purpureum, L. Joe-Pye Weed. Trumpet-weed. Queen-of-the-meadow.

E. serotinum, Michx.

E. perfoliatum, L. Thoroughwort. Boneset.

Liatris scariosa, Willd. Gay Feather.

L. spicata, Willd. Button Snakeroot.

Solidago cæsia, L. Golden-rod.

S. latifolia, L.

S. stricta, Ait.

S. speciosa, Nutt.

S. patula, Muhl.

S. rugosa, Mill.

S. serotina, Ait., var. *gigantea*, Gray.

S. nemoralis, Ait.

S. rigida, L.

S. lanceolata, L.

S. Canadensis, L.

- Aster macrophyllus*, L.
A. Nove Angliæ, L. New England Aster.
A. cordifolius, L.
A. sagittifolius, Willd.
A. levis, L.
A. amethystinus, Nutt.
A. diffusus, Ait.
A. Tradescanti, L.
A. paniculatus, Lam.
A. salicifolius, Ait.
A. puniceus, L.
A. unbellatus, Mill.
A. tenuifolius, L.
Erigeron Canadensis, L. Horse-weed. Butter-weed. Mare's Tail.
E. annuus, Pers. Daisy Fleabane. Sweet Scabious.
E. bellidifolius, Muhl. Robin's Plantain.
E. Philadelphicus, L. Common Fleabane.
Antennaria plantaginifolia, Hook. Plantain-leaved Everlasting. Mouse Ear. E.
Gnaphalium polycephalum, Michx. Common Everlasting.
G. decurrens, Ives. Everlasting.
G. uliginosum, L. Low Cudweed.
Inula Helenium, L. Elecampane. Roadsides. Nat. from Europe.
Silphium terebinthinaceum, L. Prairie Dock.
Ambrosia trifida, L. Great Rag-weed. Horse-weed.
A. artemisiæfolia, L. Roman Wormwood. Hog-weed. Bitter-weed. Rag-weed.
Xanthium strumarium, L. Cockle-burr. Clot-burr. Road-sides and Waste places. Nat. from Eu. (?) or Ind. (?)
Rudbeckia hirta, L. Cone-flower. Individuals with *tubular* petals occasionally occur.
Lepachys pinnata, Torr & Gray.
Helianthus annuus, L. Common Sunflower. Fields and waste places, escaped from cultivation.
H. laetiflorus, Pers.
H. occidentalis, Riddell.
H. tomentosus, Michx.
H. giganteus, L.
H. divaricatus, L.
H. tuberosus, L. Jerusalem Artichoke. Escaped from cultivation.
Coreopsis lanceolata, L.
C. auriculata, Linn.
C. tripteris, L. Tall Coreopsis.
C. trichosperma, Michx. Tickseed. Sunflower.

- C. aristosa*, Michx.
Bidens frondosa, L. Common Beggar-ticks. Stick-tight
B. connata, Muhl. Swamp Beggar-ticks.
B. cernua, L. Smaller Burr-Marigold.
B. Beckii, Torr. Water Marigold.
Anthemis Cotula, D. C. May-weed. Dog Fennel. Common about dwellings and along road sides. Nat. from Europe.
Achillea Millefolium, L. Common Yarrow or Milfoil. The variety with rose-colored flowers occasionally occurs.
Tanacetum vulgare, L. Common Tansy. Road sides. Escaped from gardens. Nat. from Europe.
Artemisia Absinthium, L. Wormwood. Road-sides. Escaped from gardens. Adv. from Europe.
Senecio aureus, L. Golden Ragwort. Squaw-weed. Life-Root.
Cacalia atriplicifolia, L. Pale Indian Plantain.
Erechtites hieracifolia, Raf. Fireweed.
Arctium Lappa, L. Burdock. Nat. from Europe.
Cnicus lanceolatus, Hoffm. Common Thistle. Nat. from Europe.
C. altissimus, Willd.
C. altissimus, Willd., var. *discolor*, Gray.
C. muticus, Pursh. Swamp Thistle.
C. arvensis, Hoffm. Canada Thistle. Nat. from Europe.
Centaurea Cyanus, L. Bachelor's Button. Bluebottle. Escaped from cultivation. Adv. from Europe.
Krigia amplexicaulis, Nutt.
Cichorium Intybus, L. Succory or Chicory. Road-sides and wastes places. Nat. from Europe.
Hieracium Canadense, Michx. Hawkweed.
H. scabrum, Michx.
H. Gronovii, L.
H. longipilum, Torr.
Pernanthes racemosa, Michx.
P. aspera, Michx.
P. alba, L. White Lettuce. Rattlesnake root.
P. serpentaria, Pursh. Lion's-foot. Gall-of-the-earth.
P. altissima, L.
Taraxacum officinale, Weber. Common Dandelion.
Lactuca Canadensis, L. Wild Lettuce.
L. leucophæa, Gray.
Sonchus oleraceus, L. Common Sow Thistle. Waste places. Nat. from Europe.
Sonchus asper, Vill. Spring-leaved Sow Thistle.

LOBELIACEÆ.

- Lobelia cardinalis*, L. Cardinal-flower.
L. syphilitica, L. Great Lobelia. I have seen one white specimen.
L. Kalmii, L.
L. inflata, L. Indian Tobacco.

CAMPANULACEÆ.

- Campanula rotundifolia*, L. Harebell.
C. aparinoides, Pursh. Marsh Bellflower.
C. Americana, L. Tall Bellflower.

ERICACEÆ.

- Gaylussacia resinosa*, Torr. & Gray. Black Huckleberry.
Vaccinium Canadense, Kalm.
V. corymbosum, L. Common High or Swamp Blueberry.
V. Macrocarpon, Ait. Large or American Cranberry.
Gaultheria procumbens, L. Aromatic or Creeping Wintergreen. Tea-berry. Checkerberry.
Andromeda polifolia, L.
Cassandra calyculata, Don. Leather-Leaf.
Chimaphila umbellata, Nutt. Prince's Pine. Pipsissewa. I have seen but one specimen.
Pyrola secunda, L.
Pyrola rotundifolia, L. Wintergreen.
Monotropa uniflora, L. Indian Pipe. Corpse Plant.

PRIMULACEÆ.

- Steironema ciliatum*, Raf.
S. lanceolatum, Gray.
S. longifolium, Gray.
Lysimachia quadrifolia, Gray.
L. stricta, Ait.
L. thyrsiflora, L. Tufted Loosestrife.
Samolus Valerandi, L.

OLEACEÆ.

- Fraxinus Americana*, L. White Ash.
F. quadrangulata, Michx. Blue Ash.
F. sambucifolia, Lam. Black Ash.

APOCYNACEÆ.

- Apocynum androsæmifolium*, L. Spreading Dogbane.
A. cannabinum, L. Indian Hemp.

ASCLEPIADACEÆ.

- Asclepias tuberosa*, L. Butterfly-weed. Pleurisy-root.
A. incarnata, Swamp Milkweed.
A. Cornuti, Decaisne. Common Milkweed or Silkweed.
A. phytolaccoides, Pursh. Poke Milkweed.
Acerates viridiflora, Ell.

GENTIANACEÆ.

- Gentiana crinita*, Frœl. Fringed Gentian.
G. quinqueflora, Lam.
G. Andrewsii, Griseb. Closed Gentian.
G. alba, Muhl.
Frasera Carolinensis, Walt. American Columbo.
Menyanthes trifoliata, L. Buckbean.

POLEMONIACEÆ.

- Phlox pilosa*, L.

HYDROPHYLLACEÆ.

- Hydrophyllum Virginicum*, L. Water-leaf.
H. appendiculatum, Michx.

BORRAGINACEÆ.

- Cynoglossum officinale*, L. Common Hound's Tongue. Nat. from Europe.
C. Virginicum, L. Wild Comfrey.
Echinosperrum Virginicum, Lehm. Beggar's Lice.
E. Lappula, Lehm. Nat. from Europe.
Lithospermum arvense, L. Corn Gromwell. Wheat-thief. Redroot. A great pest in wheat-fields. Nat. from Europe.
L. hirtum, Lehm.
L. angustifolium, Michx.

CONVOLVULACEÆ. (?)

- Convolvulus sepium*, L. Hedge Bindweed.
C. sepium, L., var. *repens*, Gray. Often as double as a rose.
Cuscuta Gronovii, Willd. Dodder.

SOLANACEÆ.

Solanum Dulcamara, L. Bittersweet. Flowers often white. Nat. from Europe.

S. nigrum, L. Common Black Nightshade.

Physalis pubescens, L. Ground Cherry.

P. viscosa, L.

Lycium vulgare, Dunal. Matrimony vine. Escaped from cultivation. Adv. from Europe.

Datura Stramonium, L. Jamestown weed. Jimson weed. Thorn Apple. Adv. from Asia.

SCROPHULARIACEÆ.

Verbascum Thapsus, L. Common Mullein. Nat. from Europe.

V. Blattaria, L. Moth Mullein. Nat. from Europe.

Linaria vulgaris, Mill. Ramsted. Butter and Eggs. Nat. from Europe.

Scrophularia nodosa, L., var. *Marilandica*, Gray.

Collinsia verna, Nutt.

Chelone glabra, L. Turtle-head. Snake-head.

Pentstemon pubescens, Solander. Beard-tongue.

Mimulus ringens, L. Monkey-flower.

Gratiola Virginiana, L. Hedge-Hyssop.

Thysanthes riparia, Raf. False Pimpernel.

Veronica Virginica, L. Culver's-root. Culver's Physic.

V. Anagallis, L. Water Speedwell.

V. scutellata, L. Marsh Speedwell.

V. officinalis, L. Common Speedwell.

V. arvensis, L. Corn Speedwell. Nat. from Europe.

Gerardia pedicularia, L.

G. grandiflora, Benth.

G. flava, L. Downy False Foxglove.

G. quercifolia, Pursh.

G. purpurea, L. Purple Gerardia.

G. tenuifolia, Vahl. Slender Gerardia.

Castilleja coccinea, Spreng. Scarlet Painted-Cup.

Pedicularis Canadensis, L. Common Lousewort. Wood Betony.

P. lanceolata, Michx.

Melampyrum Americanum, Michx. Cow-Wheat.

OROBANCHACEÆ.

Epiphegus Virginiana, Bart. Beech-drops. Cancer-root.

Conopholis Americana, Wallroth. Squaw-root. Cancer-root.

LENTIBULARIACEÆ.

- Utricularia vulgaris*, L. Greater Bladderwort.
U. subulata, L.

VERBENACEÆ.

- Verbena urticifolia*, L. White Vervain.
V. hastata, L. Blue Vervain.
V. stricata, Vent. Hoary Vervain.
Phryma Leptostachya, L. Lopseed.

LABIATÆ.

- Teucrium Canadense*, L. American Germander. Wood Sage.
Collinsonia Canadensis, L. Rich-weed. Stone-root.
Mentha viridis, L. Spearmint.
M. piperita, L. Peppermint.
M. Canadensis, L. Wild Mint.
Lycopus rubellus, Moench. Walter Horehound.
Pycnanthemum lanceolatum, Pursh. Basil.
P. muticum, Pers., var. *pilosum*, Gray.
Hedeoma pulegioides, Pursh. American Pennyroyal.
Monarda fistulosa, L. Wild Bergamot.
Blephilia-hirsuta, Benth.
Lophanthus nepetoides, Benth.
Nepeta cataria, L. Catnip. Nat. from Europe.
N. Glechoma, Benth. Ground Ivy. Gill-over-the-ground. Nat. from Europe.
Scutellaria lateriflora, L. Mad-dog Skullcap.
S. galericulata, L.
Prunella vulgaris, L. Self-heal. Heal-all.
Marrubium vulgare, L. Horehound. Escaped from cultivation into clearings, along roadsides, etc. Nat. from Europe.
Leonurus Cardiaca, L. Mother-wort. Waste places, around dwellings. Nat. from Europe.
Lamium purpureum, L. Nat. from Europe.
Stachys aspera, Michx., var. *glabra*, Gray.

PLANTAGINACEÆ.

- Plantago major*, L. Common Plantain.
P. lanceolata, L. Ribgrass. Ripplegrass. English Plantain. Buckhorn. A noxious weed. Nat. from Europe.

AMARANTHACEÆ.

- Amaranthus hypochondriacus*, L. Escaped from gardens. Adv. from Trop. Amer.
A. paniculatus, L. Adv. from Trop. Amer.
A. retroflexus, L. Adv. from Trop. Amer.
A. albus, L. Tumble Weed.

CHENOPODIACEÆ.

- Chenopodium album*, L. Lamb's Quarters. Pig-weed. Nat. from Europe.
C. urbicum, L. Nat. from Europe.
C. hybridum, L. Maple-leaved Goosefoot.
C. capitatum, Watson. Strawberry Blight.
C. Botrys, L. Jerusalem Oak. Feather Geranium. Nat. from Europe.
C. ambrosioides, L., var. *anthelminticum*, Gray. Wormseed. Nat. from Trop Amer.
Atriplex patulum, L., var. *littorale*, Gray.

PHYTOLACCACEÆ.

- Phytolacca decandra*, L. Poke. Scape. Garget. Pigeon Berry.

POLYGONACEÆ.

- Rumex Britannica*, L. Great Water-Dock.
R. crispus, L. Curled Dock.
R. obtusifolius, L. Bitter Dock.
R. Acetosella, L. Field or Sheep Sorrel. Horse Sorrel. Nat. from Europe.
Polygonum aviculare, L. Knotgrass. Door-weed.
P. erectum, L.
P. lapathifolium, L., var. *incarnatum*, Watson.
P. Pennsylvanicum, L.
P. amphibium, L.
P. Muhlenbergii, Watson.
P. Hartwrightii, Gray.
P. orientale, L. Prince's Feather. Escaped from gardens. Adv. from India.
P. Persicaria, L. Lady's Thumb. Nat. from Europe.
P. Hydropiper, L. Common Smartweed or Water-Pepper.
P. hydropiperoides, Michx. Wild Water-Pepper.
P. acre, H. B. K. Water Smartweed.
P. Virginianum, L.

- P. arifolium*, L. Halbert-leaved Tear-Thumb.
Polygonum sagittatum, L. Arrow-leaved Tear-Thumb.
P. Convolvulus, L. Black Bindweed.
P. dumetorum, L., var. *scandens*, Gray. Climing False Buckwheat.

ARISTOLOCHIACEÆ.

- Asarum Canadense*, L. Wild Ginger. Canada Snakeroot. Colt's Foot.
Aristolochia Serpentaria, L. Virginia Snakeroot.

PIPERACEÆ.

- Saururus cernuus*, L. Lizard's Tail.

LAURACEÆ.

- Sassafras officinale*, Nees.
Lindera Benzoin, Blume. Spice-bush. Spicewood. Benjamin-bush.
Dirca palustris, L. Leatherwood. Moose-wood.

SANTALACEÆ.

- Comandra umbellata*, Nutt.

EUPHORBIACEÆ.

- Euphorbia maculata*, L. Spurge.
E. Preslii, Guss.
E. corollata, L. Large Flowering Spurge. Milkweed.
E. Esula, L. Garden Pine. Escaped from cultivation. Adv. from Europe.
Acalypha Virginica, L. Three-seeded Mercury.

URTICACEÆ.

- Ulmus fulva*, Michx. Slippery or Red Elm.
U. Americana, L. American or White Elm.
U. racemosa, Thomas. Cork or Rock Elm. Hickory Elm.
Celtis occidentalis, L. Sugarberry. Hackberry.
Cannabis sativa, L. Hemp. Waste places. Adv. from Europe.
Humulus Lupulus, L. Common Hop.
Morus rubra, L. Red Mulberry.
Urtica gracilis, Ait. Nettle.
Laportea Canadensis, Grandichand. Wood-Nettle.
Pilea pumila, Gray. Richweed. Clearweed. Glass-Nettle.
Bahmeria cylindrica, Willd. False Nettle.

PLATANACEÆ.

- Platanus occidentalis*, L. Sycamore. Buttonwood.

JUGLANDACEÆ.

- Juglans cinerea*, L. Butternut. White Walnut.
J. nigra, L. Black Walnut.
Carya alba, Nutt. White Hickory. Shell-bark. Shag-bark. Hickory.
C. sulcata, Nutt. Big Shell-bark. King-nut.
C. porcina, Nutt. Pignut. Broom Hickory.
C. amara, Nutt. Bitternut. Swamp Hickory.

CUPULIFERÆ.

- Betula lenta*, L. Cherry Birch. Sweet or Black Birch.
B. pumila, L. Low or Dwarf Birch.
Corylus Americana, Walt. Wild Hazel-nut.
Ostrya Virginica, Willd. American Hop-Hornbeam. Lever-wood.
 Iron-wood.
Carpinus Caroliniana, Walter. American Hornbeam. Blue or Water Beech.
Quercus alba, L. White Oak.
Q. Macrocarpa, Michx. Bur Oak. Over-cup or Mossy-cup Oak.
Q. bicolor, Willd. Swamp White Oak.
Q. Muhlenbergii, Engelm. Yellow Oak. Chestnut Oak. Sweet Oak.
Q. rubra, L. Red Oak.
Q. coccinea, Wang., var. *tinctoria*, Gray. Quercitron, Yellow-barked Black Oak.
Q. palustris, Du Roi. Swamp Spanish Oak. Pin Oak.
Q. imbricaria, Michx. Laurel Oak. Shingle Oak.
Fagus ferruginea, Ait. American Beech.

SALICACEÆ.

- Salix nigra*, Marsh. Black Willow.
S. nigra, Marsh., var. *falcata*, Torr.
S. lucida, Muhl. Shining Willow.
S. alba, L. White Willow. Adv. from Europe.
S. longifolia, Muhl. Long-leaved Willow.
S. rostrata, Richardson.
S. discolor, Muhl. Glaucon Willow.
S. discolor, Muhl., var. *ericaphala*, Anders.
S. humilis, Marsh. Prairie Willow.
S. sericea, Marsh. Silky Willow.
S. candida, Willd. Sage Willow. Hoary Willow.
S. cordata, Muhl., var. *angustata*, Anders.

- Populus alba*, L. White Poplar. Abele. Adv. from Europe.
P. tremuloides, Michx. American Aspen.
P. grandidentata, Michx. Large-toothed Aspen.
P. balsamifera, L. Balsam Poplar. Tacamahac.
P. monilifera, Ait. Cotton-wood. Necklace Poplar.

CONIFERÆ.

- Larix Americana*, Michx. American or Black Larch. Tamarack.
 Hackmatack.
Juniperus communis, L. Common Juniper.
J. Virginiana, L. Red Cedar.

HYDROCHARIDACEÆ.

- Elodea Canadensis*, Michx. Water-weed. Ditch Moss.
Vallisneria spiralis, L. Tape-grass. Ell-grass.

ORCHIDACEÆ.

- Aplectrum hiemale*, Nutt. Putty-root. Adam-and-Eve.
Corallorhiza odontorhiza, Nutt. Coral-root.
C. multiflora, Nutt.
Spiranthes præcox, Watson. Ladies Tresses.
Goodyera repens, R. Br. Rattlesnake Plantain.
Calopogon pulchellus, R. Br. Grass Pink.
Pogonia ophioglossoides, Nutt.
P. pendula, Lindl. Three-Birds.
Orchis spectabilis, L. Showy Orchis.
Habenaria ciliaris, R. Br. Yellow Fringed Orchis.
H. virescens, Spreng.
H. leucophææ, Gray. White Prairie Orchis.
H. psycodes, Gray. Purple Fringed Orchis.
Cypripedium candidum, Muhl. Small White Lady's Slipper.
C. pubescens, Willd. Larger Yellow Lady's Slipper.
C. spectabile, Swartz. Showy Lady's Slipper.

IRIDACEÆ.

- Iris versicolor*, L. Larger Blue Flag.
Systyrinchium angustifolium, Mill. Blue-eyed Grass.

AMARYLLIDACEÆ.

- Hypoxis erecta*, L. Yellow Star Grass.

DIOSCOREACEÆ.

- Dioscorea villosa*, L. Wild Yam-root.

LILIACEÆ.

- Smilax herbacea*, L. Carrion-Flower.
S. rotundifolia, L. Common Greenbrier. Horse-brier.
Allium tricoccum, Ait. Wild Leek.
A. cernuum, Roth. Wild Onion.
Yucca filamentosa, L. Adam's Needle. Eve's Thread. Streets.
 Escaped from gardens.
Polygonatum biflorum, Ell. Smaller Solomon's Seal.
P. giganteum, Dietrich. Great Solomon's Seal.
Smilacina racemosa, Desf. False Spikenard. False Solomon's Seal.
Maianthemum Canadense, Desf. Two-leaved Solomon's Seal.
Uvularia perfoliata, L. Bellwort.
Erythronium Americanum, Ker. Dog's tooth Violet. Adder's-tongue.
E. albidum, Nutt. White Dog's-tooth Violet.
Lilium superbum, L. Turk's Cap Lily.
L. Canadense, L. Wild Yellow Lily.
Medeola Virginiana, L. Indian Cucumber-root.
Trillium sessile, L. Spotted Wake Robin.
T. recurvatum, Beck.
T. erectum, L. Purple Trillium Birth-root.
T. grandiflorum, Salisb.
T. cernuum, L. Nodding Trillium. Monstrosities are frequent in the Trilliums, such as four leaves, petals changed to leaves, etc.
Tofieldia glutinosa, Willd. (?) False Asphodel.

PONTEDERIACEÆ.

- Pontederia cordata*, L. Pickerel-weed.

COMMELINACEÆ.

- Tradescantia Virginica*, L. Spider-wort.

JUNCACEÆ.

- Juncus effusus*, L. Common or Soft Rush.
J. tenuis, Willd.
J. Canadensis, J. Gay.
Luzula campestris, DC. Wood Rush.

TYPHACEÆ.

- Typha latifolia*, L. Common Cat-tail.
T. angustifolia, L.
Sparganium eurycarpum, Engelm. Burr-reed.

ARACEÆ.

- Arisæma triphyllum*, Torr. Indian Turnip.
A. Dracontium, Schoot. Green Dragon. Dragon root.
Peltandra undulata, Raf. Arrow Arum.
Symplocarpus fetidus, Salisb. Skunk Cabbage.
Acorus Calamus, L. Sweet Flag.

LEMNACEÆ.

- Spirodela polyrrhiza*, Schleid.
Lemna trisulca, L. Duckweed. Duck's-meat.
Wolffia Columbiana, Karsten.

ALISMACEÆ.

- Alisma Plantago*, L. Water-Plantain.
Sagittaria variabilis, Engelm. Arrow-head.
S. variabilis, Engelm., var. *obtusa*.
S. variabilis, Engelm., var. (?) *gracilis*.

NAIADACEÆ.

- Potamogeton natans*, L. Pondweed.
P. Pennsylvanicus, Cham.
P. heterophyllus, Schreb.
P. lucens, L.
P. zosteræfolius, Schum.
P. Robbinsii, Oakes.

ERIOCAULEÆ.

Eriocaulon septangulare, Withering. Badly named, as the scape frequently has eight striæ.

CYPERACEÆ.

- Cyperus diandrus*, Torr.
C. Erythrorhizos, Muhl.
C. strigosus, L.
Dulichium spathaceum, Pers.
Eleocharis quadrangulata, R. Br. Spike Rush.
E. ovata, R. Br.
E. acicularis, R. Br.
Scirpus pungens, Vahl. Bulrush. Clubrush.
S. lacustris, L. Great Bulrush.
Eriophorum cyperinum, L. Wool-grass.
E. vaginatum, L. Cotton-grass.
E. gracile, Koch.

- Rhynchospora alba*, Wahl. Beak-Rush.
Carex lurida, Wahl. Sedge.
C. hystericina, Muhl.
C. Pseudo-Cyperus, L., var. *Americana*, Hochst.
C. riparia, W. Curtis.
C. prasina, Wahl.
C. crinita, Lam.
C. arcata, Boott.
C. debilis, Michx., var. *Rudgei*, Bailey.
C. Davisii, Schwein: & Torr.
C. laxiflora, Lam.
C. platyphylla, Carey.
C. plantaginea, Lam.
C. pedunculata, Muhl.
C. Pennsylvanica, Lam.
C. pubescens, Muhl.
C. sparganioides, Muhl.
C. exilis, Dewey.
C. schinata, Murray, var. *microstachys*, Boeckl.
C. scoparia, Schkuhr.

GRAMINEÆ.

- Spartina cynosuroides*, Willd. Fresh-water Cord-Grass.
Panicum sanguinale, L. Crab or Finger-Grass. Nat. from Europe.
P. capillare, L. Old-witch Grass. Tickle-Grass.
P. agrostoides, Muhl.
P. latifolium, L.
P. clandestinum, L.
P. dichotomum, L.
P. Crus-galli, L. Cock-spur Grass. Barnyard Grass. Nat. from Europe.
Setaria glauca, Beauv. Foxtail. Pigeon-Grass. Adv. from Europe.
S. viridis, Beauv. Green Foxtail. Bottle-Grass. Adv. from Europe.
S. Italica, Kunth. Hungarian or Bengal Grass. Adv. from Europe
Leersia Virginica, Willd. White Grass.
L. oryzoides, Swartz. Rice Cut-grass.
Zizania aquatica, L. Indian Rice. Water Oats.
Z. miliacea, Michx.
Andropogon Aurcatus, Muhl. Forked Spike.
A. scoparius, Michx. Beard Grass.
Phalaris Canariensis, L. Canary-Grass. Waste grounds. Adv. from Europe.
Muhlenbergia, glomerata, Trin.

- Phleum pratense*, L. Timothy. Herd's-Grass. Nat. from Europe.
Alopecurus geniculatus, L., var. *aristulatus*, Torr.
Agrostis alba, L. Fiorin or White Bent-Grass.
A. alba, L., var. *valgaris*, Thurb. Red Top. Nat. from Europe.
Cinna pendula, Trin. Wood Reed-Grass.
Calamagrostis Canadensis, Beauv. Blue-Joint.
Deschampsia cæspitosa, Beauv.
Bouteloua racemosa, Lag. Musquite-Grass.
Elyusine Indica, Gært. Dog's Tail or Wire Grass. Nat. from Ind. (?)
Phragmites communis, Trin. Reed.
Eragrostis reptans, Nees.
E. minor, Host. Nat. from Europe.
E. pilosa, Beauv. Nat. from Europe.
Dactylis glomerata, L. Orchard Grass. Nat. from Europe.
Poa annua, L. Low Spear-Grass. Nat. from Europe.
P. compressa, L. Wire-Grass. English Blue-Grass. Nat. from Europe.
P. serotina, Echart. False Red-top. Fowl Meadow-Grass.
P. pratensis, L. June Grass. Spear Grass. Kentucky Blue-Grass.
P. debilis, Torr.
Glyceria Canadensis, Trin. Rattlesnake-Grass.
G. nervata, Trin. Fowl Meadow-Grass.
G. fluitans, R. Br.
Bromus secalinus, L. Cheat. Chess. Adv. from Europe.
B. ciliatus, L.
Agropyrum repens, Beauv. Couch, Quich, or Quock-Grass.
Elymus Virginicus, L. Wild Rye.
E. Canadensis, L.
Asprella Hystrix, Willd. Hedgehog-Grass. Bottle-brush Grass.

EQUISETACEÆ.

- Equisetum arvense*, L. Common Horsetail.
Equisetum hyemale, L. Scouring Rush. Shave-Grass.

FILICES.

- Polypodium vulgare*, L. Polypody.
Adiantum pedatum, L. Maidenhair Fern.
Pteris aquilina, L. Common Brake.
Asplenium eburnum, Ait. Ebony Spleenwort.
Aspidium acrostichoides, Swartz. Acrostic, Shield, or Christmas Fern.
Dicksonia pilosiuscula, Willd.
Osmunda regalis, L. Flowering Fern.
O. cinnamomea, L. Cinnamon Fern.

OPHIOGLOSSACEÆ.

Botrychium ternatum, Swartz., var. *lunarioides*, Moonwort.
B. Virginianum, Swartz.

LYCOPODIACEÆ.

Lycopodium lucidulum, Michx. Club Moss.
L. inundatum, L.

MARCHANTIACEÆ.

Marchantia polymorpha, L. Liverwort.
Conocephalus conicus, Dumont.