
FLORA OF ST. CLAIR COUNTY, MICHIGAN,

AND THE

WESTERN PART OF LAMBTON COUNTY, ONTARIO

BY

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OF

PORT HURON MICHIGAN

PREFACE.

For the last twenty-two years, as spare time would permit, I have been interested in studying and identifying the plants of this locality, including only flowering plants, ferns, and their allies. Outdoor recreation being with me a necessity as well as a great pleasure, and desiring to have an object in view in my various wanderings on the wheel, at the suggestion of a friend, about six years ago, I undertook to find and examine, during my leisure hours, all the plants referred to, growing wild in St. Clair county, Michigan, the western part of Lambton county, Ontario, and the northwestern part of Kent county, Ontario, particularly that part including Walpole Island. The following list is the result of my undertaking. I trust it may be of some benefit to the people of those localities, and prove interesting to botanists. A glance at the map will show that this locality must be productive of many species, including as it does a number of miles of the lake Huron shore, both banks of St. Clair river, much of the north shore of lake St. Clair, and extending back many miles east and west from St. Clair river. Northern and southern species here meet and commingle.

I have been particular to give all common names of plants for which I could find any authority, although many of them seem to be inapplicable and even absurd. Experience, however, has taught me that for popular use all known common names should be associated with the scientific name as is now generally done by our government.

In preparing this list I am especially indebted to Prof. Chas. F. Wheeler of the Michigan Agricultural college at Lansing, Michigan, who has examined all sedges, grasses, and other plants presenting difficulties in identification; to Mr. T. C. Wheatley of Blackwell Station, Lambton county, Ontario, an enthusiastic and careful botanist, who has given me much help in looking up the plants of that county; to Mr. Thomas M. Danger of Port Huron, Michigan, who has given me much valuable assistance, and to Rev. J. W. Stacey of New Baltimore, Mich., who has helped me very much in hunting plants in the southern and southwestern part of the county.

In the nomenclature and arrangement of plants I have followed the "Illustrated Flora of the Northern United States," by Britton & Brown, giving in parenthesis the scientific names found in Gray's Manual, sixth edition, when they differ.

The common names I have found in the various botanical works, the government bulletins, especially Bulletin No. 14, known as "Nomenclature of the Arborescent Flora of the United States," by George B. Sudworth. I have also drawn much from "Popular American Plant Names," by Mrs. Fanny D. Bergen; J. M. Nickell's Botanical Ready Reference; Organic Materia Medica, by Parke, Davis & Co. of Detroit, Michigan, but mostly from the English Index of Popular Names in the third volume of Britton & Brown's Illustrated Flora.

This effort is dedicated to the Port Huron Academy of Science. In the course of ten or fifteen years, if living, I hope to publish another list with much more information.

C. K. DODGE,
Port Huron, Mich.

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The native and naturalized plants of St. Clair county, Michigan, are numbered in their order, the lettered numbers indicating those found only in Lambton and Kent counties, Ontario, and those planted or occasionally escaping. The fractional numbers indicate plants found in 1899, after this manuscript had been prepared.

SUBKINGDOM PTERIDOPHYTA. FERNS AND FERN ALLIES.

OPHIOGLOSSACEÆ.—ADDER'S TONGUE FAMILY.

1. *Botrychium ternatum* (Thunb.) Sw. Ternate grape fern. Moonwort. Ternate moonwort. Grape fern. Rattlesnake fern. Consumption brake. Fern grape. About one mile west of Robert's Landing in an old field. Frequent in Ira township. The form *Botrychium ternatum obliquum* Milde. is found within the limits of the city of Port Huron near tollgate on Pine-Grove Ave.
2. *Botrychium virginianum* (L.) Sw. Virginia grape fern. Grape fern. Snake fern. Rattlesnake fern. Virginian moonwort. Indicator. Rattlesnake grape fern. Hemlock-leaved fern. Moonwort. Common in rich damp woods. Also in Lambton county, Ontario.
- 2½. *Ophiglossum vulgatum* L. Adder's-tongue. Adder's-tongue fern. Snake's-tongue. Adder's-fern. Adder's-spear. Serpent's-tongue. Plentiful on north end of Harsen's Island and about Algonac. First noticed by W. A. Brotherton.

OSMUNDACEÆ.—ROYAL FERN FAMILY.

3. *Osmunda regalis* L. Royal fern. Flowering fern. Buckhorn brake. Royal flowering fern. Osmond brake. Royal brake. Buckhorn. Male fern. Hartshorn bush. Flowering brake. Royal flowering brake. Tree fern. Royal braken. Water fern. Herb christopher. Buckhorn male fern. Bog-onion. King's fern. Buckhorn fern. Fern brake. Saint christopher's herb. Royal osmond. Osmond-the-weather-man. Regal fern. Ditch fern. A medicinal plant. Common in swamps, marshes and low land. Also in Lambton county, Ontario.
4. *Osmunda cinnamomea* L. Cinnamon fern. Cinnamon colored fern. Fiddle-heads. Swamp brake. Bread-root. Common in low and wet ground. Also in Lambton county, Ontario.
5. *Osmunda claytoniana* L. Clayton's fern. Clayton's flowering fern. Interrupted fern. Interrupted flowering fern. Common in swamps and low damp ground. Also in Lambton county, Ontario.

POLYPODIACEÆ.—FERN FAMILY.

6. *Onoclea sensibilis* L. Sensitive fern. Polypod brakes. Sugar brake. Brake. Everywhere in damp ground. Also in Lambton county, Ontario.
7. *Onoclea struthiopteris* (L.) Hoffm. Ostrich fern. Along Black river, particularly above and below Beard's mill. Our largest fern. Also in Lambton county, Ontario.
8. *Cystopteris bulbifera* (L.) Bernh. Bulblet cystopteris. Bladder fern. Bulb-bearing bladder-fern. Along the steep banks of Black river and creeks.
9. *Cystopteris fragilis* (L.) Bernh. Brittle fern. Bladder fern. Cup-fern. Bottle fern. White-oak fern. Frequent in damp and rich woods. Also in Lambton county, Ontario.
10. *Dryopteris acrostichoides* (Michx.) Kuntze. (*Aspidium acrostichoides* Swartz. in Gray.) Christmas fern. Wood-fern. Christmas shield fern. Holly fern. Fern-shield. Found throughout the county. A beautiful fern. The fronds remain green during the winter. This is a good house fern for the winter. Also in Lambton county, Ontario.
11. *Dryopteris noveboracensis* (L.) A. Gray. (*Aspidium noveboracense* Swartz in Gray.) New york fern. Bear's paw. Frequent in swamps and in wet places along the lake shore. Also in Lambton county, Ontario.
12. *Dryopteris thelypteris* (L.) A. Gray. (*Aspidium thelypteris* Swartz in Gray.) Marsh shield-fern. Marsh fern. Quill fern. Swamp fern. Wood fern. Lady fern. In swamps, marshes and wet ground. One of our commonest ferns. Also in Lambton county, Ontario.

13. *Dryopteris cristata* (L.) A. Gray. (*Aspidium cristatum* Sw. in Gray.) Crested shield-fern. Crest-fern. Crested fern. In a swamp west of Fred H. Beach's farm in the township of Port Huron. Ira township. *Dryopteris cristata* clintoniana (D. C. Eaton) Underw. (*Aspidium cristatum clintonianum* Eaton in Gray) is found near North street in the township of Clyde. Rare.
14. *Dryopteris goldieana* (Hook) A. Gray. (*Aspidium goldieanum* Hook in Gray.) Goldie's fern. Goldie's wood fern. Goldie's shield fern. In woods along Black river both above and below Beard's mill.
15. *Dryopteris marginalis* (L.) A. Gray. (*Aspidium marginale* Swartz in Gray.) Evergreen wood-fern. Marginal fern. Marginal shield-fern. A medicinal plant. Along Black river both above and below Beard's mill.
16. *Dryopteris spinulosa* (Retz.) Kuntze. (*Aspidium spinulosum* Swartz in Gray.) Spinulose shield-fern. Common wood fern. Prickly-toothed fern. In woods throughout the county. *Dryopteris spinulosa intermedia* (Muhl.) Underw. (*Aspidium spinulosum intermedium*, D. C. Eaton in Gray) is also found throughout the county. Also in Lambton county, Ontario.
17. *Phegopteris hexagonoptera* (Michx.) Fee. Beech-fern. Broad beech-fern. Hexagon beech-fern. Six-angled polypody. Along Black river below Beard's mill. Rare.
18. *Phegopteris dryopteris* (L.) Fee. Oak fern. Pale mountain fern. Tender three-branched fern. Frequent in moist woods.
19. *Woodwardia virginica* (L.) J. E. Smith. Chain-fern. Virginia chain-fern. South of the city of Port Huron in damp ground on the Bunce farm, and in Ira township. Rare.
20. *Asplenium angustifolium* Michx. Spleenwort. Narrow-leaved spleenwort. Swamp spleenwort. Swamp fern. Near bank of Black river below Beard's mill. Rare.
21. *Asplenium filix-foemina* (L.) Bernh. Lady fern. Backache fern. Backache-brake. Fern-brake. In woods and thickets throughout the county. Also in Lambton county, Ontario.
22. *Adiantum pedatum* L. Maiden-hair. Maiden-hair fern. American maiden-hair. Hair fern. Rock fern. Capillaire. Frauenhaar. Venus haar. A medicinal plant. Everywhere in damp woods. Also in Lambton county, Ontario. One of our most beautiful ferns.
23. *Pteris aquilina* L. Brake. Braken. Common brake. Hog-brake. Adder's-spit. Lady brake. Eagle fern. Oak fern. Female fern. Winter fern-brake. Ernfarn fern. Lady braken. Everywhere in St. Clair county. Also in Lambton county, Ontario.

EQUISETACEÆ.—HORSETAIL FAMILY.

24. *Equisetum arvense* L. Field horsetail. Horsetail. Common horsetail. Cornfield horsetail. Cat's-tail. Snake-pipes. Toad-pipe. Scouring rush. Horsetail rush. Tadpipe. Bottle brush. Horse-pipe. Common scouring rush. In damp, sandy soil, especially along roads and railroads. Also in Lambton county, Ontario. Formerly this was used in this country to polish wood and tin in the kitchen and is yet so used in Germany. The buds of this plant are eaten by swine and have been used for food by poor people in various parts of Europe. It is sometimes used as a fodder plant, but cattle do not like it very well.
25. *Equisetum sylvaticum* L. Wood horsetail. Woodland horsetail. Bottlebrush. Scouring rush. In damp woods and thickets. Also in Lambton Co., Ont. This is the prettiest species. In some parts of Sweden this is the principal fodder for horses, but it is not liked by cows.
26. *Equisetum fluviatile* L. (*Equisetum limosum* L. in Gray.) Swamp horsetail. Water horsetail. Paddoc-pipes. Pipes. Scouring rush. In swamps and along the borders of ponds. Also in Lambton county, Ontario. This has been used as a fodder for cows and is reputed to induce an abundant flow of milk. Cut for hay in some parts of Massachusetts, but not highly valued.
- 26-a. *Equisetum robustum* A. Br. Stout scouring rush. Scouring rush. Near Blackwell Station along the Grand Trunk Railway, Lambton county, Ontario. Rare. This species is perhaps doubtful.
27. *Equisetum hyemale* L. Scouring Rush. Common scouring rush. Horse-pipe. Gun-bright. Mare's tail. Horsetail. Shave grass. Rough horsetail. Shave-grass weed. Dutch rush. Polishing rush. Fewter-wort. Snake-weed. Snake-rush. Smoke-rush. Joint-rush. Mountain rush. Winter schachtelhalm. A medicinal plant. In wet places and on damp banks, especially along streams. Also in Lambton county, Ontario. In Germany this is yet used by cabinet makers to polish wood and horn.

28. *Equisetum laevigatum* A. Br. Smooth scouring rush. Scouring rush. Throughout the county. Also in Lambton county, Ontario, and on Walpole Island, Kent county, Ontario. According to Rydberg this is cut for hay in some parts of Nebraska.
29. *Equisetum variegatum* Schlecht. Variegated equisetum. Scouring rush. Plentiful in Lakeside cemetery. Only locality known at present.
30. *Equisetum scirpoides* Michx. Sedge-like equisetum. Toad-pipe. Tadpipe. Scouring rush. North of the city of Port Huron. A plant so small that it is difficult to find except late in fall and early in spring.

LYCOPODIACEÆ.—CLUB-MOSS FAMILY.

31. *Lycopodium lucidulum* L. Club-moss. Shining club-moss. Moonfruit pine. In cold damp woods. Also in Lambton county, Ontario.
32. *Lycopodium obscurum* L. Ground pine. Tree club-moss. Bunch evergreen. Crowfoot. Club-moss. Tree-like club-moss. In damp woods. Also in Lambton county, Ontario.
33. *Lycopodium annotinum* L. Stiff club-moss. Interrupted club-moss. Club-moss. On dry ground in woods and thickets. Rare.
34. *Lycopodium clavatum* L. Running pine. Club-moss. Common club-moss. Coral evergreen. Staghorn evergreen. Snake-moss. Buck's-horn. Vegetable sulphur. Creeping bur. Creeping jenny. Wolf's-claws. Lycopodium. Foxtail. Buckgrass. Creeping snowberry bur. Running moss. Vegetable brimstone. Vegetable powder. Toad's-tail. Lamb's-tail. Staghorn-moss. Ground-pine. Lycopodium moss. In woods. Also in Lambton county, Ontario.
35. *Lycopodium complanatum* L. Trailing christmas-green. Ground pine. Creeping jenny. Liberty. Ground cedar. Festoon ground pine. Trailing vine. Running vine. Creeping vine. Evergreen. Hog bed. Club-moss. Crowfoot. In woods and thickets. Also in Lambton county, Ontario. A very beautiful plant.

SUBKINGDOM SPERMATOPHYTA. SEED-BEARING PLANTS. CLASS 1.

GYMNOSPERMÆ. SEEDS NAKED.

PINACEÆ.—PINE FAMILY.

36. *Pinus strobus* L. White pine. Weymouth pine. Pine. Cork pine. Soft pine. Northern pine. Spruce pine. Deal pine. Soft deal pine. Yellow pine. Shin-wauk (Indians). A medicinal plant. Very common everywhere in the northern, eastern and central parts of the county. One of the largest trees of Michigan. Formerly magnificent forests of this tree existed in this county as the stumps yet remaining prove. At present but few large trees are left. A few large ones yet stand along Black river on the farm of Mr. Fred A. Beard in Clyde. In many localities this pine is coming up very thick. Lumbermen distinguish this tree into white pine and cork pine. Also in Lambton county, Ontario.
37. *Pinus resinosa* Ait. Red pine. Canadian pine. Norway pine. Pine. Canadian red pine. Hard pine. Shin-wauk (Indians). Mostly on sandy ridges north of the city of Port Huron. Perhaps 500 trees are left yet. This is the most southern point for this pine on the east side of the state, and only locality known in the county. Young trees are coming up thick. Also in Lambton county, Ontario.
- 37-a. *Pinus sylvestris* L. Scotch pine. Wild pine. Wild scotch pine. From Europe. Planted in yards, but not spreading.
38. *Larix laricina* (Du Roi) Koch. (*Larix americana* Michx. in Gray). Larch. American larch. Tamarack. Tamarac. Hackmatack. Juniper. Black larch. Cypress. Juniper tree. Gum hackmatack. Gum tamarack. Kah-neh-tens, i. e. the leaves fall (Indians N. Y.). Red larch. Hackmack. Epinette rouge. A medicinal plant. In this state I think the usual common name of this tree is tamarack. In swamps. Formerly abundant in the western part of the county and near the city of Port Huron, but fast disappearing on account of drainage and fires.
- 38-a. *Picea canadensis* (Mill.) B. S. P. (*Picea alba* Link. in Gray). White spruce. Cat spruce. Single spruce. Black spruce. Skunk spruce. Pine spruce. Cat-pine. Spruce. Pine. Double spruce. Often planted but not spreading. Native farther north.
39. *Picea mariana* (Mill.) B. S. P. (*Picea nigra* Link. in Gray). Black spruce. Spruce. Double spruce. Spruce gum tree. Chewing gum tree. Spruce gum. Blue spruce. White spruce. Yew pine. Juniper. Cat-spruce. Spruce pine. He balsam. Epinette jaune. In swamps. A few small trees left in section 16 in the township of Fort Gratiot. I believe this tree formerly was quite common about the city of Port Huron and Capac, but forest fires have nearly extinguished it.

40. *Tsuga canadensis* (L.) Carr. Hemlock. Spruce. Hemlock spruce. Canada pitch tree. Hemlock tree. Hemlock gum tree. Hemlock pitch tree. Weeping spruce. Pine-tops. Tanner's bark. Hemlock bark. Hemlock leaves. Spruce pine. Canadian hemlock. New England hemlock. Oh-neh-tah, i. e. greens on the stick. (N. Y. Indians). A medicinal plant. Frequent in the eastern and northern parts of the county. This county seems to be the southern limit of this tree on the east side of the state. Also in Lambton county, Ontario. The bark an article of commerce and used for tanning.
- 40-a. *Abies balsamea* (L.) Mill. Balsam fir. Balsam. Fir balsam tree. Balm of gilead fir. Balsam spruce. Hemlock fir. Balsam poplar. Balsam fir tree. Fir tree. American silver fir. Canada balsam. Canadian balsam tree. Balm of gilead. Blister pine. Fir pine. Fir-tree. Single spruce. Silver pine. Sapin. Cho-koh-tung, i. e. blisters, (N. Y. Indians). A medicinal plant. Planted in yards but not spreading. Native farther north.
41. *Thuja occidentalis* L. White cedar. Arbor vitae. American arbor vitae. False white cedar. Cedar. Vitae. Atlantic red cedar. Feather-leaf cedar. Feather-leaf. Oo-soo-ha-tah, i. e. feather-leaf (Indians). Arbre de vie. Lebensbaum. A medicinal plant. Common in the northeastern parts of the county, along Black river and the lake shore. Also in Lambton county, Ontario. The timber very durable, and valuable for fence posts and paving.
42. *Juniperus communis* L. Juniper. Common juniper. Horse savin. Melmot berries. Juniper bush. Juniper berries. Juniper bark. Alten. Hackmatack. Fairly circle. A medicinal plant. Occasionally found on dry ground in woods. Also in Lambton county, Ontario.
43. *Juniperus virginiana* L. Red cedar. Savin. Juniper. Cedar. Pencil cedar. Pencil-wood. Carolina cedar. Cedar apples. Red juniper. Red savin. Juniper bush. Cedre. One native tree left on the farm of Solomon Pierce, section 15 in the township of Kenockee. Formerly along the bank of Mill creek, a number of large trees existed, as is shown by large logs of old cedar still seen there. First observed and brought to my attention by Mr. A. R. Avery of Port Huron.

TEXACEÆ.—YEW FAMILY.

44. *Taxus minor* (Michx.) Britton. (*Taxus canadensis* Willd. in Gray). American yew. Yew. American dwarf yew. Dwarf yew. Ground hemlock. Creeping hemlock. Shinwood. Shintag. Shin-tangle. Near Beard's mill. Plentiful along Mill creek near the farm of Wm. Mason in Kenockee.

CLASS 2. ANGIOSPERMÆ. SEEDS ENCLOSED. SUB-CLASS 1. MONOCOTYLEDONES.

TYPHACEÆ.—CAT-TAIL FAMILY.

45. *Typha latifolia* L. Broad-leaved cat-tail. Flag. Cat-tail. Flax-tail. Cat-tail flag. Black-cap. Bull-seg. Candle-stick. Reed-mace. Cat-o'-nine-tails. Marsh beetle. Marsh pestle. Black-a-moor. Water torch. Great reed-mace. Lesser reed-mace. Very common in wet and marshy ground and in swamps. Also in Lambton county, Ontario.
46. *Typha angustifolia* L. Narrow-leaved cat-tail. Reed-mace. Lesser reed-mace. Flag. Cat-tail flag. Occasionally found in very wet marshes throughout the county.

SPARGANIACEÆ.—BUR-REED FAMILY.

47. *Sparganium eurycarpum* Engelm. Broad-fruited bur-reed. Bur-reed. Great bur-reed. In wet places and along streams throughout the county. Also in Lambton county, Ontario.
48. *Sparganium androcladum* (Engelm.) Morong. (*Sparganium simplex androcladum* Engelm. in Gray). Branching bur-reed. Bur-reed. In wet places and shallow water. Also in Lambton county, Ontario.
49. *Sparganium simplex* Huds. Simple-stemmed bur-reed. Smaller bur-reed. Floating bur-reed. Black-weed. Bur-reed. Borders of ponds and streams. Also in Lambton county, Ontario.

NAIADACEÆ.—PONDWEED FAMILY.

50. *Potamogeton natans* L. Pondweed. Common floating pondweed. Trenchweed. Batter-dock. Devil's spoons. Water-spike. In ponds and slow streams. Also in Lambton county, Ontario.
51. *Potamogeton amplifolius* Tuckerm. Large-leaved pondweed. Pondweed. Water-spike. In coves along Black river. Also in Lambton county, Ontario.

52. *Potamogeton nuttallii* Cham. & Sch. (*Potamogeton pennsylvanicus* Cham. in Gray). Nuttall's pondweed. Pondweed. Water-spike. Creek-grass. In Pine river near St. Clair. Miss N. P. Whiting.
53. *Potamogeton lonchites* Tuckerm. (*Potamogeton fultans* Roth. in Gray). Long-leaved pondweed. Pondweed. Water-spike. At St. Clair Flats. Also in Sarnia bay, Lambton county, Ontario. *Potamogeton lonchites noveboracensis* Morong. is also found in the same localities.
54. *Potamogeton heterophyllus* Schreb. Various-leaved pondweed. Pondweed. Water-spike. At St. Clair Flats. Bulletin of the Michigan Fish Commission 1893.
55. *Potamogeton zizii* Roth. Ziz's pondweed. Pondweed. Water-spike. Plentiful at St. Clair Flats. Also in Sarnia bay, Lambton county, Ontario.
56. *Potamogeton perfoliatus* L. Claspingleaved pondweed. Pondweed. Water-spike. At St. Clair Flats and along streams. Also in Lambton county, Ontario. *Potamogeton perfoliatus richardsonii* A. Bennett (*Potamogeton perfoliatus lanceolatus* Robbins in Gray) is also found in same localities.
57. *Potamogeton zosteræifolius* Schum. Eel-grass pondweed. Pondweed. Grass-wrack. Water-spike. At St. Clair Flats. Also in Sarnia bay, Lambton county, Ontario.
- 57½. *Potamogeton friesii* Ruprecht. (*Potamogeton mucronatus* Schrad. in Gray.) Fries' pondweed. Pondweed. Frequent in still water. Also in Lambton county, Ontario.
58. *Potamogeton hillii* Morong. Hill's pondweed. Pondweed. Water-spike. At St. Clair Flats. Also in Sarnia bay, Lambton county, Ontario.
59. *Potamogeton foliosus* Raf. (*Potamogeton pauciflorus* Pursh. in Gray). Leafy pondweed. Pondweed. Water-spike. In ponds and streams. Also in Lambton county, Ontario. *Potamogeton foliosus niagarensis* (Tuckerm.) Morong. is found in same localities.
60. *Potamogeton filiformis* Pers. (*Potamogeton marinus* L. in Gray). Filiform pondweed. Pondweed. Water-spike. Along the shore of St. Clair river. Also in Lambton county, Ontario.
61. *Potamogeton pectinatus* L. Fennel-leaved pondweed. Pondweed. Pond-grass. Water-spike. In St. Clair river. Also in Lambton county, Ontario.
62. *Potamogeton interruptus* Kitaib. Interrupted pondweed. Pondweed. Water-spike. In St. Clair river near Algonac.
- 62-a. *Potamogeton robbinsii* Oakes. Robbin's pondweed. Pondweed. Water-spike. In Sarnia bay, Lambton county, Ontario.
63. *Najas flexilis* (Willd.) Rost. & Schmidt. Slender naia. Water nymph. Naiad. In ponds and streams. *Najas flexilis robusta* Morong. is found in same localities. Also in Lambton county, Ontario.

SCHEUCHZERIAEÆ.—ARROW-GRASS FAMILY.

64. *Triglochin maritima* L. Seaside arrow-grass. Arrow grass. Spike-grass. In marshes and very wet places. Also in Lambton county, Ontario.

ALISMACEÆ.—WATER-PLANTAIN FAMILY.

65. *Alisma plantago-aquatica* L. (*Alisma plantago* L. in Gray.) Water-plantain. Thrum-wort. Mad-dog-weed. Devil's spoon. Very common in mud and shallow water. Also in Lambton county, Ontario.
66. *Sagittaria latifolia* Willd. (*Sagittaria variabilis* Engelm. in Gray.) Broad-leaved arrow-head. Arrow-head. Water lily. Swan-root. Arrow-leaf. Arrow-weed. In marshes, ditches, shallow water, and along streams throughout the county. Also in Lambton county, Ontario.
- 66-a. *Sagittaria graminea* Michx. Grass-leaved sagittaria. Sagittaria. In Sarnia Bay, Lambton county, Ontario. T. C. Wheatley.
- 66½. *Sagittaria arifolia* Nutt. Arum-leaved arrowhead. Arrowhead. In the township of Riley. First noticed by J. W. Stacey.
67. *Sagittaria rigida* Pursh. (*Sagittaria heterophylla rigida* Engelm. in Gray.) Sessile-fruited arrow-head. Arrow-leaf. Arrow-head. At St. Clair Flats. Bulletin of the Michigan Fish Commission, 1893.
- 67½. *Sagittaria cristata* Engelm. Crested sagittaria. Sagittaria. Arrowhead. Common along the border of Lake St. Clair. Also in Sarnia bay, Lambton county, Ontario.

VALLISNERIACEÆ.—TAPE-GRASS FAMILY.

68. *Philotria canadensis* L. (Michx.) Britton. (*Elodea canadensis* Michx. in Gray.) Water-weed. Ditch-moss. Water-thyme. Common in streams and ponds. Also in Lambton county, Ontario.
69. *Vallisneria spiralis* L. Tape-grass. Eel-grass. Wild celery. Water celery. Found in still or very slowly moving water. Plentiful at St. Clair Flats where sportsmen say ducks feed upon it. Also in Lambton county, Ontario.

GRAMINEÆ.—GRASS FAMILY.

70. *Andropogon scoparius* Michx. Broom beard-grass. Blue-stem grass. Broom-sedge. Big blue-stem. Broom-grass. Beard grass. White bent. Big blue-joint. Little blue-stem. Mountain sedge-grass. Indian grass. Purple wood-grass. Wire-grass. Bunch-grass. Little red-stem. Common in dry and sandy ground. Also in Lambton county, Ontario. A much smaller grass than the following. In the mountain districts of the South it is valued for pasture, and in the West for hay. Not much valued in our locality.
71. *Andropogon furcatus* Muhl. Forked beard-grass. Beard-grass. Blue-stem grass. Finger-spiked beard-grass. Finger-spiked wood-grass. Blue-joint. Big blue-stem. Broom-grass. Forked spike. Turkey-foot. A tall and coarse grass. Common in dry ground. Also in Lambton county, Ontario. Valued for hay and pasture in some localities in the United States, not very abundant or valuable I believe in our locality.
72. *Chrysopogon avenaceus* (Michx.) Benth. (*Chrysopogon nutans* Benth. in Gray.) Indian grass. Bushy blue-stem. Wood-grass. In dry places. Also in Lambton county, Ontario.
73. *Syntherisma sanguinalis* (L.) Nash. (*Panicum sanguinale* L. in Gray.) Large crab-grass. Finger-grass. Crawfoot grass. Crab-grass. Pigeon-grass. Hairy finger-grass. Common crab-grass. Red millet. Polish millet. Manna-grass. From Europe. In cultivated and waste places. A very common and troublesome weed in gardens. Also in Lambton county, Ontario. This grass will make good hay if properly dried. In the South after harvest it springs up in grain fields so as to furnish one or two cuttings for hay and makes excellent pasturage. In Bohemia the seed of this grass is used for food.
74. *Syntherisma linearis* (Krock.) Nash. (*Panicum glabrum* Gaudin. in Gray.) Small crab-grass. Smooth finger-grass. Crab-grass. From Europe. Quite frequent in poor and sandy ground. This grass much resembles the preceding, but usually lies flat on the ground. Also in Lambton county, Ontario.
75. *Panicum crus-galli* L. Barnyard grass. Cockspur grass. Water-grass. Cock-foot. Loose panicum. Barn-grass. An-kee. Millet. Large crawfoot-grass. From Europe. A common weed in fields, gardens and wet places. Also in Lambton county, Ontario. A good forage plant for feeding green, or for the silo, but not well adapted for hay.
- 75½. *Panicum walteri* Pursh. (*Panicum crus-galli hispidum* Torr. in Gray.) Salt-marsh cockspur grass. Bristly panicum. On damp flat ground in the south part of the county, near the shore of Lake St. Clair. Apparently indigenous. Geo. W. Howe.
76. *Panicum porterianum* Nash. (*Panicum latifolium* L. in Gray.) Porter's panicum. Common in woods. Also in Lambton county, Ontario.
77. *Panicum clandestinum* L. Hispid panicum. Corn-grass. Deer-tongue grass. In woods south of the city of St. Clair. Only locality known as present. Rare.
78. *Panicum xanthophysum* A. Gray. Slender panicum. On dry ground in pine woods. Also in Lambton county, Ontario.
79. *Panicum scribnerianum* Nash. (*Panicum scoparium* Lam. in Gray.) Scribner's panicum. Frequent in dry ground. Also in Lambton county, Ontario.
- 79½. *Panicum pubescens* Lam. Hairy panicum. On Harsen's Island. First noticed by J. W. Stacey.
80. *Panicum dichotomum* L. Forked panicum. Frequent in thickets. Also in Lambton county, Ontario.
- 80½. *Panicum columbianum*. Scrib. Occasionally found.
81. *Panicum depauperatum* Muhl. Starved panicum. Frequent in dry ground. Also in Lambton county, Ontario.
- 81½. *Panicum maculatum* Ashe. Frequent in dry and poor ground in pine woods. This was formerly included in *Panicum Dichotomum*.

82. *Panicum virgatum* L. Tall smooth panicum. Switch grass. Wild red-top Wobsqua grass. Black bent-grass. Thatch. In dry or moist ground. Plentiful about Algonac and Walpole Island. Also in Lambton county, Ontario. A tall coarse grass, but good for grazing. If cut before the stems get hard, it makes good hay.
- 82-a. *Panicum millaceum* L. Millet. Common millet. Broom-corn millet. Millet grass. Indian millet. Hirse. Hirse grass. Russian millet. Manitoba millet. True millet. Brown millet. Dakota millet. Hog-millet. Japanese panicum-millet. From the Old World. Cultivated for the seed and fodder. Occasionally found spontaneous in fields, but I do not consider it permanent here. Also in Lambton county, Ontario. This is the true millet cultivated in the East from prehistoric times. Its true native country is unknown. The grain is one of the best for feeding poultry and in the Old World is extensively used for human food.
83. *Panicum capillare* L. Witch grass. Tumble-weed. Old witch grass. Tickle-grass. Foal-hay. A very common weed in gardens, fields, and meadows. Also in Lambton county, Ontario. The spreading top or panicle when ripe is easily broken off and blown about by the wind scattering its seeds as it goes.
- 83-a. *Panicum flexile* (Gattinger) Scribn. Wiry panicum. In dry ground near Blackwell Station. Lambton county, Ontario. T. C. Wheatley.
84. *Ixophorus glaucus* (L.) Nash. (*Setaria glauca* Beauv. in Gray.) Yellow foxtail. Pigeon-grass. Foxtail. Glaucous green-grass. Glaucous bristle-grass. Barn-grass. Bristly foxtail grass. From Europe. A common weed in gardens and fields. Also in Lambton county, Ontario.
85. *Ixophorus viridis* (L.) Nash. (*Setaria viridis* Beauv. in Gray.) Green foxtail grass. Green foxtail. Green grass. Bristle-grass. Bottle-grass. Wild timothy. Barn grass. Wild millet. Green setaria. Pigeon-grass. Green pigeon-grass. From Europe. A common weed in gardens and fields, and in general appearance much resembling the preceding. Also in Lambton county, Ontario. The stems of this grass are very tough and may be used for the manufacture of paper.
- 85-a. *Ixophorus italicus* (L.) Nash. (*Setaria italica* Kunth. in Gray.) Italian millet. Hungarian grass. Hungarian millet. Cat-tail millet. German millet. Dakota millet. Golden millet. Millet. Bengal grass. Bristly foxtail. From the Old World. Cultivated for the seed and fodder. Occasionally growing spontaneous, but not persisting. Also in Lambton county, Ontario. Cultivated from ancient times and in many parts of the Old World, used for human food.
86. *Cenchrus tribuloides* L. Bur-grass. Hedgehog-grass. Sand-bur. Bear-grass. Cock-spur grass. Sand-spur. Sand-bar. Mostly in light and sandy ground in streets, roads and fields. Becoming a noxious and very troublesome weed, having one of the most cruel burs known. Also in Lambton county, Ontario.
87. *Zizania aquatica* L. Wild rice. Indian rice. Canada rice. Water rice. Water oats. Reed. Mah-no-mo-nee (Indians). Often growing in water. Common along streams, borders of ponds and lakes. The seed of this grass is food for ducks and other water birds. In Canada it is gathered by Indians and sold in market for food, being cooked and prepared like common rice. Also in Lambton county, Ontario. This is the manorrin of the Chippewa Indians.
88. *Homalocenchrus virginicus* (Willd.) Britton. (*Leersia virginica* Willd. in Gray.) White grass. Rice's cousin. In swamps and wet woods throughout the county. Also in Lambton county, Ontario.
89. *Homalocenchrus oryzoides* (L.) Poll. (*Leersia oryzoides* Sw. in Gray.) Rice cut-grass. Cut-grass. False rice. Scratch-grass. In very wet ground and along streams in tangled masses. It makes excellent hay. Also in Lambton county, Ontario.
90. *Phalaris arundinacea* L. Reed canary grass. Daggers. Sword-grass. Spires grass. Spires. Bride's laces. Lady grass. Lady-laces. London lace grass. Common in damp ground. The ribbon-grass, or painted-grass of the yards and gardens is usually known in the books as *Phalaris arundinacea picta*. It remains in old yards, old gardens and cemeteries, and often escapes to roadsides. Also in Lambton county, Ontario.
- 90-a. *Phalaris canariensis* L. Canary grass. Bird-seed. Canary seed. Bird-seed grass. Canary seed grass. Gardeners' garters. From Europe. Occasionally springing up in gardens, yards, streets and roads, but it does not seem to persist. Also in Lambton county, Ontario. Often cultivated for the seeds which are used for birds.
91. *Savastana odorata* (L.) Scribn. (*Hierochloa borealis* Roem. & Schultes in Gray.) Holy grass. Seneca grass. Vanilla grass. Summer grass. Near Algonac. Also on Walpole Island, Kent county, Ontario. Out of this grass the Indians make small fancy baskets and boxes. I have heard this called "sweet grass." In some European countries it is believed that this grass will induce sleep and bunches of it are hung over the bed for this purpose.

- 91-a. *Stipa spartea* Trin. Porcupine grass. Needle-grass. Wild oats. Sleepy-grass. Feather-grass. Near Blackwell Station, Lambton county, Ontario. T. C. Wheatley. The seed of this grass is dangerous to sheep as it becomes attached to the wool and penetrates the flesh of the animal, causing serious injury. Otherwise this grass is a good forage plant, and makes a very good, although coarse, hay.
92. *Oryzopsis juncea* (Michx.) B. S. P. (*Oryzopsis canadensis* Torr. in Gray.) Slender mountain rice. Mountain rice. On high and dry ground at Lakeside cemetery and near Ruby. Rare.
93. *Oryzopsis asperifolia* Michx. White-grained mountain rice. Mountain rice. Large white-grained mountain rice. Common in woods. Also in Lambton county, Ontario. The leaves of this grass remain green during the winter.
94. *Millium effusum* L. Tall millet-grass. Millet-grass. Frequent in woods. Also in Lambton county, Ontario.
95. *Muhlenbergia mexicana* (L.) Trin. Meadow muhlenbergia. Satin grass. Wood-grass. Dropseed. Dropseed grass. Knot-root grass. In swamps and along streams. Also in Lambton county, Ontario.
96. *Muhlenbergia racemosa* (Michx.) B. S. P. (*Muhlenbergia glomerata* L. in Gray.) Marsh muhlenbergia. Drop-seed. Satin-grass. Wild timothy. Muhlenberg's grass. In damp ground on borders of marshes and woods. Also in Lambton county, Ontario. A very good grass for hay.
- 96½. *Muhlenbergia diffusa* Schreb. Nimble will. Dropseed grass. Dropseed. On dry ground in the southwestern part of the county. First noticed by J. W. Stacey.
97. *Muhlenbergia sylvatica* Torr. Wood muhlenbergia. Drop-seed. In damp woods and along streams. Also in Lambton county, Ontario.
98. *Brachyelytrum erectum* (Schreb.) Beauv. (*Brachyelytrum aristatum* Beauv. in Gray.) Brachyelytrum. Short-husk grass. Bearded short-husk. Common in moist ground. Also in Lambton county, Ontario.
99. *Phleum pratense* L. Timothy. Herd's grass. Cat-tail grass. Meadow cat's-tail grass. Rat-tail grass. Tame timothy. Soldier's feather grass. Common and extensively cultivated for pasture and hay. Also in Lambton county, Ontario.
100. *Alopecurus geniculatus* L. (*Alopecurus geniculatus aristulatus* Torr. in Gray.) Marsh foxtail. Floating foxtail. Flote grass. Water foxtail. In very wet ground and often growing in water. Also in Lambton county, Ontario. In low and wet meadows this grass is tender and nutritious, affording excellent grazing. It is often used for lawns, making a good turf and a deep rich green color.
- 100½. *Sporobolus neglectus* Nash. (*Sporobolus vaginæflorus* Vasey in Gray in part.) Small rush-grass. Rush-grass. Drop-seed grass. Western part of county. Near Blackwell Station. Lambton county, Ontario. T. C. Wheatley.
101. *Sporobolus cryptandrus* (Torr.) A. Gray. Sand drop-seed. Rush-grass. Drop-seed grass. Prairie grass. Along the sandy lake shore and in light sandy ground. Also in Lambton county, Ontario.
102. *Cinna arundinacea* L. Wood reed-grass. Indian reed. Sweet reed. Reed-grass. In damp woods and swamps. Also in Lambton county, Ontario. When growing in abundance this grass makes good grazing and hay.
103. *Cinna latifolia* (Trev.) Griseb. (*Cinna pendula* Trin. in Gray.) Slender wood reed-grass. Wood reed-grass. In damp woods. Also in Lambton county, Ontario.
104. *Agrostis alba* L. Redtop. Florin. Herd's grass. Bent. Bent-grass. Rhode Island bent. Furze-top. Creeping bent-grass. Marsh bent-grass. Whitetop. White bent-grass. Tussocks. Fine john grass. Fine-top. Fine-bent. Dew-grass. Summer dew-grass. Tall redtop. Water twitch-grass. Burden's grass. Black-quitch grass. Bonnet-grass. English bent grass. Monkey's grass. Very common in fields and meadows. From Europe. Cultivated extensively for pasturage and hay. Also in Lambton county, Ontario. The smaller varieties of this grass are good for lawns.
105. *Agrostis perennans* (Walt.) Tuckerm. Thin-grass. Twin-grass. In wet meadows, swamps, and damp woods. Also in Lambton county, Ontario.
106. *Agrostis hyemalis* (Walt.) B. S. P. (*Agrostis scabra* Willd. in Gray.) Rough hair-grass. Fly-away grass. Fool-hay. Rough bent. Silk-grass. Tickle-grass. Hair-grass. Common in damp ground. Also in Lambton county, Ontario. Panicle or top large and easily broken off and blown about by the wind. This grass is often collected and sold for dry bouquets under name of silk-grass. It is of no agricultural value.

107. *Calamagrostis canadensis* (Michx.) Beauv. Blue-joint. Blue-joint grass. Blue-stem. Reed bent-grass. Redtop. Fowl meadow-grass. Canadian small-reed. Sand-grass. Common in swamps and wet ground. Also in Lambton county, Ontario. A large grass making good hay if cut in time.
- 107½. *Calamovilfa longifolia* (Hook.) Hack. (*Calamagrostis longifolia* Hook. in Gray.) Long-leaved reed-grass. Reed-grass. On the sandy shore of Lake Huron. Also in Lambton county, Ontario.
108. *Calamagrostis neglecta* (Ehrh.) Gaertn. (*Calamagrostis stricta* Trin. in Gray.) Narrow reed-grass. Yellow-top. Reed-grass. Pony-grass. Frequent along railroads. Also in Lambton county, Ontario. This is a productive grass and much liked by cattle and horses.
- 108½. *Avena striata* Michx. Purple oat. Wild oat. Frequent in woods. First noticed by J. W. Stacey.
- 108-a. *Avena sativa* L. Oat. Oats. Panicle oats. Banner oats. Winter oats. Often growing spontaneous, but not persistent. Sometimes called "common oats." Common names have been given to many varieties. According to bulletin No. 10, 1898, of the United States Department of Agriculture, the following varieties of oats are best for our locality. American Banner Lincoln. Welcome. White russian. Black tartarian. Other varieties not adapted to our locality. Burt. Red rust proof. Oats in this country are mostly used for feeding horses. In the South oats are often sown for grazing and hay. They are the principal grain of many northern countries, and the main cereal food of the people. The native place of the oat is probably eastern temperate Europe and Tartary.
109. *Danthonia spicata* (L.) Beauv. Common wild oat-grass. Wild oat-grass. June-grass. Poverty grass. Witch grass. Common in dry ground. Also in Lambton county, Ontario.
110. *Spartina cynosuroides* (L.) Willd. Tall marsh-grass. Fresh-water cord-grass. Bull-grass. Slough-grass. Thatch-grass. Upland creek-stuff. Cord-grass. Marsh-grass. In swamps, marshes and along streams. Also in Lambton county, Ontario. This has been successfully used in the manufacture of twine and paper.
111. *Phragmites phragmites* (L.) Karst. (*Phragmites communis* Trin. in Gray.) Reed. Common reed. Spires grass. Reed-grass. Ditch-reed. Pole-reed. Wild broom-corn. Wild corn. Bennets. Bog-reed. Sea-reed. Spires. In swamps and marshes. Also in Lambton county, Ontario. The mature stems make a good thatch. This is our largest native grass and at a distance looks like broom-corn.
- 111½. *Eragrostis frankii* Steud. Frank's eragrostis. Short-stalked grass. Short-stalked meadow-grass. Near Algonac. First noticed by J. W. Stacey. Also in Lambton county, Ontario. T. C. Wheatley.
112. *Eragrostis major* Host. Strong-scented eragrostis. Candy grass. Stink-grass. Pungent meadow-grass. From Europe. A weed in gardens and fields. A beautiful grass. Also in Lambton county, Ontario.
113. *Eragrostis hypnoides* (Lam.) B. S. P. (*Eragrostis reptans* Nees. in Gray.) Creeping eragrostis. Frequent in damp ground and along rivers and creeks. A beautiful grass. Also in Lambton county, Ontario.
- 113½. *Eragrostis purshii* Schrad. Pursh's eragrostis. Eragrostis. Love-grass. Occasionally found about streets and railroad stations in villages and cities.
114. *Eatonia obtusata* (Michx.) A. Gray. Blunt-scaled eatonia. Prairie-grass. Eatonia. Early bunch-grass. Frequent in dry or damp ground. Also in Lambton county, Ontario. A tender grass and readily eaten by stock.
115. *Eatonia pennsylvanica* (DC.) A. Gray. Pennsylvania eatonia. Eatonia. In dry woods. Rare. Also in Lambton county, Ontario. T. C. Wheatley.
116. *Koeleria cristata* (L.) Pers. Koeleria. June-grass. Crested hair-grass. Prairie June-grass. Prairie-grass. Western June-grass. In dry and sandy ground. Also in Lambton county, Ontario.
- 116-a. *Briza media* L. Quake-grass. Quaking-grass. Small quaking-grass. Shakers. Shakers grass. Dothering dicks grass. Pearl grass. Dodder grass. Wag-wanton grass. Cow-quake grass. Lady hair-grass. Maiden-hair grass. Fairy-grass. From Europe. Occasionally found in gardens, yards, and streets of the city of Port Huron, but not permanent or spreading. Mostly an ornamental grass used for dry bouquets, but not much esteemed for grazing or hay. It is considered a good meadow grass in Europe.
117. *Dactylis glomerata* L. Orchard grass. Cocksfoot. Rough cocksfoot. Dew-grass. Hard-grass. Crowfoot-grass. From Europe. In streets and fields. Cultivated for hay and a good grass. Also in Lambton county, Ontario. No doubt this is a good grass for our locality. I have seen good crops of it in Lambton county, Ontario.

118. *Poa annua* L. Annual meadow-grass. Low spear-grass. Suffolk-grass. Causeway grass. May-grass. Spear-grass. Meadow-grass. Six-weeks grass. Goose-grass. Early meadow-grass. Dwarf meadow-grass. From Europe. In yards, gardens, fields, and gradually creeping into open woods. Also in Lambton county, Ontario.
119. *Poa compressa* L. Wire-grass. Flat-stemmed meadow-grass. Flat-stalked meadow-grass. Flat-stalked blue-grass. Creeping spear-grass. Quitch grass. Creeping poa. Smaller blue-grass. English blue-grass. Canadian blue-grass. Blue-grass. From Europe. Common in dry and sandy ground. Also in Lambton county, Ontario. A splendid pasture grass for dry and poor soils. It is especially valuable for dairy pastures, cows feeding on it yielding the richest milk and finest butter. It grows here in our poorest ground.
120. *Poa pratensis* L. Kentucky blue-grass. June-grass. Spear-grass. Green grass. common spear-grass. Smooth meadow-grass. Meadow-grass. Common meadow-grass. Natural grass. Blue-grass. Green grass. Smooth-stalked meadow-grass. In yards, roads, streets, fields, meadows and woods. This is the common grass of our yards and one of the best lawn grasses. A splendid grass for pasture and hay. Also in Lambton county, Ontario. In the limestone regions of Kentucky and Tennessee this is considered as the king of pasture grasses. The stems of this grass are used in the manufacture of the finer kinds of Leghorn hats.
121. *Poa flava* L. (*Poa serotina* Ehrh. in Gray.) False redtop. Fowl meadow-grass. Meadow-grass. Duck-grass. Swamp wire-grass. In damp open places. Also in Lambton county, Ontario.
122. *Poa debilis* Torr. Weak spear-grass. Spear-grass. In dry ground near Ruby. Rare.
123. *Poa autumnalis* Muhl. (*Poa flexuosa* Muhl. in Gray.) Flexuous spear-grass. Spear-grass. In woods north of the city of Port Huron. Rare.
124. *Poa alsodes* A. Gray. Grove meadow-grass. Meadow-grass. Frequent in woods and thickets. Also in Lambton county, Ontario.
125. *Panicularia canadensis* (Michx.) Kuntze. (*Glyceria canadensis* Trin. in Gray.) Rattlesnake grass. Pearl-grass. Meadow-grass. Fowl meadow-grass. Tall quaking-grass. Tuscarora rice. Frequent in wet ground, swamps and marshes. A beautiful grass. Also in Lambton county, Ontario. Sometimes gathered for dry bouquets.
126. *Panicularia nervata* (Willd.) Kuntze. (*Glyceria nervata* Trin. in Gray.) Nerved manna-grass. Manna-grass. Spear-grass. Meadow spear-grass. Fowl-grass. Meadow-grass. Fowl meadow-grass. Common in damp ground. A very good fodder grass for moist meadows. Also in Lambton county, Ontario. This grass furnishes food for water fowls during their fall migrations, and it is valuable in game preserves.
127. *Panicularia americana* (Torr.) MacM. (*Glyceria grandis* Wat. in Gray.) Reed meadow-grass. Tall manna-grass. Manna-grass. Meadow-grass. Water meadow-grass. White spear-grass. In wet ground and along streams. Also in Lambton county, Ontario. A good pasture grass for wet lands. It furnishes food for water fowls during their fall migrations, and is valuable in game preserves.
128. *Panicularia pallida* (Torr.) Kuntze. (*Glyceria pallida* Trin. in Gray.) Pale manna-grass. Manna-grass. Russia grass. In marshes north of Capac. Rare.
129. *Panicularia fluitans* (L.) Kuntze. (*Glyceria fluitans* L. in Gray.) Floating manna-grass. Manna-grass. Common manna-grass. Flote-grass. Russian seed. Manna crop. Poland manna-grass. Manna-croup grass. Russia grass. Sweet-grass. In wet ground and often growing in water. Also in Lambton county, Ontario. This is regarded as one of the best fodder grasses for swampy meadows. In some parts of Europe the seed is gathered and used for human food in the form of soups and gruels.
130. *Festuca octoflora* Walt. (*Festuca tenella* Willd. in Gray.) Slender fescue-grass. Slender fescue. Fescue-grass. A small grass common in dry and sandy ground. Also in Lambton county, Ontario.
- 130-a. *Festuca rubra* L. Red fescue-grass. Creeping fescue. Buffalo bunch-grass. Fescue-grass. Tennessee fescue. Near Blackwell Station, Lambton county, Ontario. T. C. Wheatley. In Germany this is considered one of the most valuable grasses for dry, sandy meadows, but it is not much known in this country. It is good for binding moving sands along the lakes or sea coast, gravelly banks and dry slopes. It is also in many cases a good lawn grass.
131. *Festuca ovina* L. Sheep's fescue-grass. Black twitch grass. Sheep's fescue. Fescue-grass. Pinyon-grass. Pine bunch-grass. On dry and sandy ground in fields and waste places. Also in Lambton county, Ontario. A valuable grass for grazing especially for sheep.

132. *Festuca elatior* L. (*Festuca elatior* L. and *Festuca elatior pratensis* A. Gray in Gray.) Tall fescue-grass. Meadow fescue-grass. Randall grass. Reed fescue. English blue-grass. Tall meadow fescue. Dover grass. Evergreen grass. Frisky meadow-grass. From Europe. In roads and fields. Cultivated for hay. Also in Lambton county, Ontario. This is well naturalized and an exceedingly valuable grass for mowing or pasture.
133. *Festuca nutans* Willd. Nodding fescue-grass. Texas blue-grass. Fescue-grass. Frequent in woods. Also in Lambton county, Ontario.
134. *Bromus ciliatus* L. Fringed brome-grass. Wood chess. Brome-grass. Broom-grass. Bloom-grass. Swamp-chess. Hairy brome-grass. Common in woods and thickets. Also in Lambton county, Ontario. This grass is recommended for wooded parks and woodland pastures.
- 134-a. *Bromus tectorum* L. Downy brome-grass. Brome-grass. From Europe. Near the lake shore in sand north of Sarnia, Lambton county, Ontario.
135. *Bromus kalmii* A. Gray. Kalm's chess. Wild chess. In woods and thickets. Also in Lambton county, Ontario.
- 135½. *Bromus brizaeformis* Fisch. & Mey. Quakegrass brome. From Europe. Occasionally found along railroads.
136. *Bromus secalinus* L. Cheat. Chess. Cheat grass. Chess grass. Smooth rye brome-grass. Cock grass. Willard's brome-grass. From Europe. In roads, streets, fields and open woods. This is a pernicious weed in wheatfields. It is believed by many that wheat often becomes or turns into chess, but so far as can be ascertained by close observing botanists no such change ever takes place. Also in Lambton county, Ontario.
137. *Bromus racemosus* L. Upright chess. Smooth brome-grass. Brome-grass. From Europe. In the streets of the city of Port Huron, and it seems to persist. Looks much like the preceding and makes good hay.
138. *Lolium perenne* L. Ray-grass. Rye-grass. Darnel. Common darnel. English blue-grass. English rye-grass. Crap-grass. Nonesuch. White grass. Perennial rye-grass. Red-grass. White onesuch. Ever-grass. Red darnel. From Europe. Plentiful at Tunnel station in the city of Port Huron. Also found in roads, streets and along railroads. Also in Lambton county, Ontario. A form of this grass known as *Lolium italicum* A. Br., Italian rye-grass is often cultivated and is occasionally found in the streets of the city of Port Huron.
139. *Agropyron repens* (L.) Beauv. Couch-grass. Quitch-grass. Quick-grass. Quack-grass. Witch-grass. Creeping wheat-grass. Chandler's grass. Scotch-grass. Shelly grass. Wickens-grass. Devil's grass. Durfa-grass. Durfee-grass. Dutch-grass. Blue-grass. Shear-grass. Stroll-grass. Quitch. Twitch-grass. Dog-grass. Wheat-grass. Fin's-grass. False wheat-grass. Wick. Quick. Quickens. Knot-grass. Dog-weed. Chiendent. Dog's tooth-grass. Queckenwurzel. A medicinal plant. From Europe. In roads, streets, fields and along railroads. This grass is a bad weed, yet valuable for hay. Also in Lambton county, Ontario.
- 139½. *Agropyron pseudo-repens* S. & S. Frequent on the sandy shore of Lake Huron.
140. *Agropyron dasystachyum* (Hook.) Vasey. Northern wheat-grass. Wheat-grass. Along Lake Huron shore in sand.
141. *Agropyron violaceum* (Hornem.) Vasey. Purplish wheat-grass. Wheat-grass. In dry woods.
142. *Agropyron caninum* (L.) R. & S. Awned wheat-grass. Fibrous-rooted wheat-grass. Dog's couch-grass. Dog's tooth grass. Bearded wheat-grass. Dog wheat-grass. Wheat-grass. In swamps. Also in Lambton county, Ontario.
- 142-a. *Triticum sativum* Lam. Wheat. Winter wheat. Spring wheat. Bearded wheat. Red wheat. White wheat. Flint wheat. Common wheat. From the Old World. Occasionally growing spontaneous, but not persistent. One of the most valuable plants to man and probably one of the first to be cultivated. It is unknown in a wild state. There are names for many varieties. According to Bulletin No. 10, 1898, of the Department of Agriculture, the following varieties of wheat are recommended for our locality. Clawson. Ladogo. Saskatchewan fife. Scotch fife. Red fife. Varieties not adapted to our locality. Fulcaster. Fultz. May. Mediterranean. Turkey red. Velvet chaff. Australian. Sonora.
- 142-b. *Secale cereale* L. Rye. Winter rye. Spring rye. From the Old World. Occasionally found in roads and fields, but not persistent. Grain used for bread, but mostly in this country for the manufacture of liquors. Often sown here for pasture. Probably rye originally came from Eastern Europe or north-western Asia.

143. *Hordeum jubatum* L. Squirrel-tail grass. Fox-tail. Wild barley. In dry or damp ground. An immigrant from the West. Liable to become a bad weed in this locality. Unless eradicated it will invade fields and meadows and injure the hay crops. It is already getting into meadows about Capac. Also in Lambton county, Ontario. Hay containing much of this grass has little value. The beards of the grass stick fast in the nose and mouth of cattle and horses, even penetrating the flesh and causing the death of these animals.
- 143-a. *Hordeum sativum* Jessen. Barley. From the Old World. Often found in roads and fields, but not persistent. This plant probably originated from south-western Asia. There are many varieties, divided into two-rowed, four-rowed, and six-rowed races. The four-rowed barley is usually raised here. Barley has been cultivated from prehistoric times. In extreme northern countries it is one of the most important cereals and is made into bread. The chief use in this county is for brewing beer.
- 143-b. *Zea mays* L. Corn. Indian corn. Maize. Guinea corn. Calico corn. Horsetooth corn. Jagong. Turkish corn. Flint corn. White corn. Yellow corn. Red corn. Dent corn. Eight-rowed corn. Pod corn. Pop-corn. Blue pop-corn. Rice corn. Sweet corn. Mais de coyote. Mon-da-min (Indians). Often growing spontaneous, but not persistent. Native in Central and South America. Cultivated by the Indians when America was first discovered. From this country its cultivation has spread over the whole world where climate will permit. It is one of the best known grain and fodder plants. All varieties from pop-corn to dent corn are believed to be derived from the wild species found in Central and South America.
- According to Bulletin No. 10, 1898, of the United States Department of Agriculture, the following varieties of corn are recommended for our locality: Angel of midnight. Canadian eight-rowed yellow. King philip. Longfellow. Pride of the north. Squaw. Other varieties not adapted to our locality. Evergreen corn. Starchy sweet corn. Bloody butcher. Golden dent. Hickory king. Leaming. Mosby's prolific. St. Charles white. White gourd seed. Stowell's evergreen. Evergreen sweet.
144. *Elymus striatus* Willd. Slender wild rye. Wild rye. Frequent along Black river. Also at Kettle point, Lambton county, Ontario.
145. *Elymus virginicus* L. Terrell-grass. Virginia wild rye. Wild rye. Lyme-grass. Smooth rye-grass. Virginia lyme-grass. In damp ground and along streams. Also in Lambton county, Ontario. In Kansas, South Dakota, and Nebraska, this is regarded as a valuable grass for woodland pastures.
146. *Elymus canadensis* L. Nodding wild rye. Wild rye. Lyme grass. Terrell-grass. Canada lyme-grass. In damp ground and along streams. Also in Lambton county, Ontario.
147. *Hystrix hystrix* (L.) Millsp. (*Asprella hystrix* Willd. in Gray.) Bottle-brush grass. Bottle-rush grass. Common in damp woods. Also in Lambton county, Ontario.

CYPERACEÆ.—SEDE FAMILY.

148. *Cyperus diandrus* Torr. Low cyperus. Cypress-grass. Galingale. Common in wet and marshy ground. Also in Lambton county, Ontario.
149. *Cyperus rivularis* Kunth. (*Cyperus diandrus castaneus* Torr. in Gray.) Shining cyperus. Galingale. In wet ground and along streams. Also in Lambton county, Ontario.
150. *Cyperus esculentus* L. Yellow nut-grass. Nut-grass. Earth almond. Chufas. Hog-nut. Ground almond. Rush-nut. Edible galingale. In low and damp ground. Often a troublesome weed. Also in Lambton county, Ontario. This sedge produces numerous edible tubers or nuts. Often cultivated in rich, sandy loams as a food for hogs, which are turned into the field in autumn to root up the tubers. It is important for cultivation in desert regions. The oil extracted from the tubers is said to surpass in excellence all other oils used for culinary purposes.
151. *Cyperus engelmanni* Steud. Engelmann's cyperus. Near St. Clair Flats. Bulletin of the Michigan Fish Commission, 1893.
152. *Cyperus strigosus* L. Straw-colored cyperus. Tule. Tula grass. Nut-grass. Lank galingale. In damp meadows, swamps, and along streams. Also in Lambton county Ontario. This sedge when young is much relished by all kinds of stock.
153. *Cyperus filiculmis* Vahl. Slender cyperus. In dry and poor ground. Also in Lambton county, Ontario.
154. *Cyperus houghtoni* Torr. Houghton's cyperus. In Lakeside cemetery on dry ground. Only locality known at present.
155. *Dulichium arundinaceum* (L.) Britton. (*Dulichium spathaceum* Pers. in Gray.) Common in very wet places, borders of swamps and ponds. Also in Lambton county, Ontario.

- 155-a. *Eleocharis mutata* (L.) R. & S. (*Eleocharis quadrangulata* R. Br. in Gray.) Quadrangular spike-rush. Spike-rush. Growing in water in Sarnia bay, Lambton county, Ontario. Only locality known at present.
156. *Eleocharis ovata* (Roth.) R. & S. Ovoid spike-rush. Spike-rush. In low and wet ground. Also in Lambton county, Ontario.
157. *Eleocharis palustris* L. (This includes *Eleocharis pulustris vigens* Bailey in Gray.) Creeping spike-rush. Spike-rush. Common spike-rush. Aglet-head rush. Common in low ground, swamps, marshes and in edges of ponds and streams. Also in Lambton county, Ontario. The slender form *Eleocharis palustris glaucescens* Gray is also found throughout the county and in Lambton county, Ontario. This yields a considerable amount of early pasturage in wet meadows. It is often cut for hay, especially in the West, and contains $9\frac{1}{2}$ per cent of crude protein.
158. *Eleocharis acicularis* (L.) R. & S. Needle spike-rush. Least spike-rush. Spike-rush. In wet ground especially along the edges of ponds and streams. Also in Lambton county, Ontario.
159. *Eleocharis tenuis* (Willd.) Schultes. Slender spike-rush. Poverty grass. Kill-cow. Spike-rush. Common in wet ground. Also in Lambton county, Ontario.
160. *Eleocharis acuminata* (Muhl.) Nees. (*Eleocharis compressa* Sulliv. in Gray.) Flat-stemmed spike-rush. Spike-rush. Common in wet ground. Also in Lambton county, Ontario.
161. *Fimbristylis castanea* (Michx.) Vahl. (*Fimbristylis spadicea castanea* A. Gray in Gray.) Marsh fimbriatylis. Worm-grass. Near Algonac. Rare. Also on Walpole Island, Kent county, Ontario.
- 161½. *Stenophyllus capillaris* (L.) Britton. (*Fimbristylis capillaris* Gray in Gray.) Hair-like stenophyllus. Stenophyllus. In moist ground about Algonac. First noticed by J. W. Stacey.
162. *Scirpus americanus* Pers. (*Scirpus pungens* Vahl. in Gray). Three-square. Chair-makers rush. Bulrush. In damp ground, along streams, and edges of ponds. Also in Lambton county, Ontario.
- 162½. *Scirpus clintonii* A. Gray. Clinton's club-rush. Clubrush. Found about Algonac. Rare. First noticed by J. W. Stacey.
163. *Scirpus lacustris* L. Great bulrush. Bulrush. Mat-rush. Boulder rush. Tule rush. Bolder rush. Black rush. Bass. Bolder. Rush. Tule. Bass-rush. Club-rush. Typha. Cat-tail flag. Apukwa (Indians). Growing in water, mud, and very wet ground. Also in Lambton county, Ontario.
- 163½. *Scirpus debilis* Pursh. Weak-stalked club-rush. Club-rush. In very wet ground. Infrequent. Also in Lambton county, Ontario.
164. *Scirpus fluviatilis* (Torr.) A. Gray. River bulrush. River club-rush. Bulrush. Along Belle river, south of Capac, and in very wet places. Not common. When this is abundant it is valuable for early feed. When made into hay it has 10 per cent of crude protein.
- 164½. *Scirpus subterminalis* Torr. Water club-rush. In ponds and streams. Also in Lambton county, Ontario.
165. *Scirpus atrovirens* Muhl. Dark-green bulrush. Meadow rush. Bulrush. In marshes and swamps. Also in Lambton county, Ontario. This bulrush is readily eaten by cattle.
166. *Scirpus lineatus* Michx. (*Eriophorum lineatum* Benth. & Hook. in Gray.) Reddish bulrush. Bulrush. Common in wet meadows and swamps. Also in Lambton county, Ontario.
167. *Scirpus Cyperinus* (L.) Kunth. (*Eriophorum cyperinum* L. in Gray.) Wool-grass. Clump-head grass. In marshes and swamps. Also in Lambton county, Ontario.
- 167½. *Scirpus nanus* Spreng. (*Eleocharis pygmaea* Torr. in Gray.) Dwarf club-rush. Club-rush. In the township of Ira near Lake St. Clair. First noticed by J. W. Stacey.
168. *Eriophorum vaginatum* L. Sheathed cotton-grass. Cotton-grass. Moss-crop. Cotton horse-tail. Canna-down. Cat-locks. Hare's-tail. Mare's-tail rush. Plentiful in a large marsh west of Capac. Only locality known at present.
169. *Eriophorum polystachyon* L. (This includes *Eriophorum polystachyon latifolium* Gray in Gray.) Tall cotton-grass. Cotton-grass. Down ling. Common in swampy ground. Also in Lambton county, Ontario.
170. *Eriophorum virginicum* L. Virginia cotton-grass. Cotton-grass. Moss-crop. In marshes in northwestern part of the county.
171. *Rhynchospora alba* (L.) Vahl. White beaked-rush. Beaked-rush. Beaked-sedge. In very wet and boggy ground. Also in Lambton county, Ontario.

172. *Rhynchospora capillacea* Torr. Capillary beaked-rush. Beaked-rush. Beak-sedge. In very wet and boggy places. Also in Lambton county, Ontario.
173. *Rhynchospora glomerata* (L.) Vahl. Clustered beaked-rush. Beaked-rush. Beak-sedge. False bog-rush. Plentiful in moist ground about Algonac. Also on Walpole Island, Kent county, Ontario.
174. *Cladium mariscoides* (Muhl.) Torr. Twig-rush. Water bog-rush. Frequent in marshes and swamps. Also in Lambton county, Ontario.
175. *Scleria triglomerata* Michx. Tall nut-grass. Nut-grass. Whip-grass. Near Algonac. Also on Walpole Island, Kent county, Ontario.
- 175½. *Scleria verticillata* Muhl. Low nut-rush. Nut-rush. In moist ground on Harsen's Island. First noticed by J. W. Stacey.
176. *Carex intumescens* Rudge. Bladder sedge. Sedge. Common in wet meadows and wet woods. Also in Lambton county, Ontario.
177. *Carex asa-grayi* Bailey. (*Carex grayi* Carey in Gray.) Gray's sedge. Sedge. In swamps, wet meadows and damp woods. Also in Lambton county, Ontario.
178. *Carex lupulina* Muhl. (This includes *Carex lupulina pedunculata* Dewey in Gray.) Hop sedge. Sedge. In marshes, swamps and ditches. Also in Lambton county, Ontario.
179. *Carex oligosperma* Michx. Few-seeded sedge. Sedge. In swamps and marshes near Capac.
180. *Carex utriculata* Boot. Bottle sedge. Sedge. In marshes and swamps. Also in Lambton county, Ontario.
181. *Carex monile* Tuckerm. Necklace sedge. Sedge. In marshes and wet meadows.
182. *Carex tuckermani* Dewey. Tuckerman's sedge. Sedge. In marshes and meadows. Also in Lambton county, Ontario.
183. *Carex retrorsa* Schwein. Retorse sedge. Sedge. Late-fruited sedge. In swamps, marshes and wet meadows. Also in Lambton county, Ontario. A good plant for wet pastures, being very tender and juicy and readily eaten by stock. It is seldom cut for hay, because it grows in ground too wet to be mowed. This sedge is worthy of cultivation.
184. *Carex lurida* Wahl. Sallow sedge. Sedge. In swamps and wet meadows. Also in Lambton county, Ontario.
185. *Carex hystricina* Muhl. Porcupine sedge. Sedge. In swamps and wet meadows. Also in Lambton county, Ontario.
186. *Carex pseudo-cyperus* L. Cyperus-like sedge. Sedge. In swampy places. Also in Lambton county, Ontario.
187. *Carex comosa* Boott. (This includes *Carex pseudo-cyperus americanus* Hochst. in Gray.) Bristly sedge. Sedge. In wet and swampy places. Also in Lambton county, Ontario.
188. *Carex riparia* Curtis. River-bank sedge. Great common sedge. Sedge. In swamps and marshes. Also in Lambton county, Ontario.
189. *Carex lanuginosa* Michx. (*Carex filiformis* Boeckl. in Gray.) Woolly sedge. Sedge. In very wet marshes and swamps. Also in Lambton county, Ontario.
190. *Carex filiformis* L. Slender sedge. Sedge. In marshes at St. Clair Flats. Bulletin of the Michigan Fish Commission 1893.
191. *Carex fusca* All. Brown sedge. Sedge. In very wet places. Also in Lambton county, Ontario.
192. *Carex stricta* Lam. Tussock sedge. Upright sedge. Sedge. In marshes and swamps. Also in Lambton county, Ontario. This makes good hay, containing 11 per cent of crude protein.
- 192½. *Carex aquatilis* Wahl. Water sedge. Sedge. In marshy ground on Dickinson's Island. Only locality noticed.
193. *Carex prasina* Wahl. Drooping sedge. Sedge. In meadows and moist thickets. Also in Lambton county, Ontario.
194. *Carex magellanica* Lam. Magellan sedge. Sedge. In swamps and wet ground, especially in tamarack swamps. Also in Lambton county, Ontario.
195. *Carex crinita* Lam. Fringed sedge. Sickie-grass. Sedge. Common in swamps and damp woods. Also in Lambton county, Ontario.
- 195½. *Carex longirostris* Torr. Long-beaked sedge. Sedge. In dry ground near Ruby. Rare.

196. *Carex virescens* Muhl. Downy green sedge. Sedge. In woods near the Oakland hotel at the city of St. Clair, and in the southern part of the county.
197. *Carex gracillima* Schwein. Graceful sedge. Common in damp woods and meadows. Also in Lambton county, Ontario.
198. *Carex formosa* Dewey. Handsome sedge. Sedge. In wet places along St. Clair river. Also in Lambton county, Ontario.
199. *Carex castanea* Wahl. Chestnut sedge. Sedge. In Lakeside cemetery north of the city of Port Huron.
200. *Carex capillaris* L. Hair-like sedge. Sedge. In marshy ground. Rare. Also in Lambton county, Ontario.
201. *Carex arctata* Boott. Drooping wood sedge. Sedge. Bluff near Ruby. Rare.
202. *Carex grisea* Wahl. Gray sedge. Sedge. In woods along Belle river near Capac.
203. *Carex granularis* Muhl. Meadow sedge. Sedge. In damp ground and meadows. Also in Lambton county, Ontario.
204. *Carex crawei* Dewey. Crawe's sedge. Sedge. In marshy and wet grounds. Also in Lambton county, Ontario, and on Walpole Island, Kent county, Ontario.
205. *Carex flava* L. Yellow sedge. Marsh hedgehog grass. Sedge. Very common in swamps and marshes. Also in Lambton county, Ontario.
206. *Carex viridula* Michx. (*Carex flava viridula* Bailey in Gray). Green sedge. Sedge. In marshy and wet ground. Also in Lambton county, Ontario.
207. *Carex hitchcockiana* Dewey. Hitchcock's sedge. Sedge. On high banks near Ruby.
208. *Carex tetanica* Schk. Wood's sedge. Sedge. (This includes *Carex tetanica woodii* Bailey.) In edges of marshes. Also in Lambton county, Ontario.
- 208½. *Carex laxiculmis* Schwein. Spreading sedge. Sedge. In beech woods in the township of Ira. Rare.
209. *Carex laxiflora* Lam. Loose-flowered sedge. Sedge. In meadows and thickets. The following forms are frequent throughout the county. *Carex laxiflora striatula* Carey, *Carex laxiflora varians* Bailey, and *Carex laxiflora patulifolia* (Dewey) Carey. Also in Lambton county, Ontario.
210. *Carex alborsina* Sheldon. (*Carex laxiflora latifolia* Boott. in Gray). White bear sedge. Sedge. Frequent in rich woods. Also in Lambton county, Ontario.
- 210½. *Carex plantaginea* Lam. Plantain-leaved sedge. Sedge. In the township of Riley in woods.
211. *Carex livida* (Wahl.) Willd. Livid sedge. Sedge. In very wet marshes. Also in Lambton county, Ontario.
212. *Carex aurea* Nutt. Golden-fruited sedge. Sedge. In damp meadows and marshes. Also in Lambton county, Ontario.
213. *Carex pedunculata* Muhl. Long-stalked sedge. Sedge. In dry woods. Also in Lambton county, Ontario.
214. *Carex pedicellata* (Dewey) Britton. (*Carex communis* Bailey in Gray). In dry woods. Also in Lambton county, Ontario.
215. *Carex pennsylvanica* Lam. Pennsylvania sedge. Sedge. Very common in dry and poor ground. Our earliest sedge. Also in Lambton county, Ontario.
216. *Carex varia* Muhl. Emmons' sedge. Sedge. In dry ground.
217. *Carex umbellata* Schk. Umbel-like sedge. Sedge. In dry and poor ground west of the city of Port Huron and near Ruby.
- 217½. *Carex pubescens* Muhl. Pubescent sedge. Sedge. Plentiful on the flats along Black river below Beard's mill.
218. *Carex leptalea* Wahl. (*Carex polytrichoides* Muhl. in Gray). Bristle-stalked sedge. Sedge. Common in wet places and swamps. Also in Lambton county, Ontario.
219. *Carex stipata* Muhl. Awl-fruited sedge. Sedge. Also in Lambton county, Ontario.
220. *Carex teretiuscula* Gooden. Lesser panicled sedge. Sedge. In swamps and meadows. Also in Lambton county, Ontario. *Carex teretiuscula ramosa* Boott. is found on a marshy piece of ground north of the lighthouse near the lake shore.

221. *Carex vulpinoidea* Michx. Fox sedge. Sedge. In swamps and wet meadows. Also in Lambton Co., Ont. This sedge is readily eaten by cattle, and makes good hay, containing over 10 per cent of crude protein.
222. *Carex sartwellii* Dewey. Sartwell's sedge. Sedge. In marshes and sawmps. Also in Lambton county, Ontario.
223. *Carex tenella* Schk. Soft-leaved sedge. Sedge. In swampy ground on the Bunce farm south of the city of Port Huron.
224. *Carex rosea* Schk. Stellate sedge. Sedge. Common in damp woods. Also in Lambton county, Ontario.
225. *Carex sparganoides* Muhl. Bur-reed sedge. Sedge. In low ground, woods and thickets. Also in Lambton county, Ontario.
226. *Carex cephaloidea* Dewey. Thin-leaved sedge. Sedge. On bluffs near Ruby.
227. *Carex cephalophora* Muhl. Oval-headed sedge. Sedge. On bluffs near Ruby.
228. *Carex muhlenbergia* Schk. Muhlenberg's sedge. Sedge. Common in dry ground. Also in Lambton county, Ontario.
229. *Carex sterilis* Willd. (This includes *Carex echinata microstachys* Boeckl, and *Carex sterilis excelsior* Bailey). Little prickly sedge. Sedge. In moist ground. *Carex sterilis cephalantha* Bailey is also found in same localities. Also in Lambton county, Ontario.
230. *Carex interior* Bailey. Inland sedge. Sedge. Frequent in damp ground. Also in Lambton county, Ontario.
231. *Carex canescens* L. Silvery sedge. Whitish sedge. Hoary sedge. Sedge. In swamps and wet places. Also in Lambton county, Ontario.
232. *Carex tenuiflora* Wahl. Sparce-flowered sedge. Sedge. In swampy places. Also in Lambton county, Ontario.
233. *Carex trisperma* Dewey. Three-fruited sedge. Sedge. In a wet and boggy place north of Lakeport.
234. *Carex deweyana* Schwein. Dewey's sedge. Sedge. In dry woods. Also in Lambton county, Ontario.
235. *Carex bromoides* Schk. Brome-like sedge. Sedge. In very wet marshes and swamps. Also in Lambton county, Ontario.
236. *Carex siccata* Dewey. Dry-spiked sedge. Sedge. Hillside sedge. Silver-topped sedge. In dry fields, woods, and on hills. Not common. Also near Blackwell Station in Lambton county, Ontario. T. C. Wheatley. A valuable sedge for hay, containing 15 per cent of crude protein.
237. *Carex muskingumensis* Schwein. Muskingum sedge. Sedge. In moist ground along Black river.
238. *Carex tribuloides* Wahl. Blunt broom sedge. Sedge. In low ground and damp meadows. Also in Lambton county, Ontario. *Carex tribuloides bebbii* Bailey, is found in same localities.
239. *Carex scoparia* Schk. Pointed broom sedge. Sedge. Common in damp ground. Also in Lambton county, Ontario.
240. *Carex cristatella* Britton. (*Carex tribuloides cristata* Bailey in Gray). Crested sedge. Sedge. In meadows and thickets. Also in Lambton county, Ontario.
241. *Carex foenea* Willd. Hay sedge. Sedge. In dry woods. Also in Lambton Co., Ont. *Carex foenea perplexa* Bailey, is also found in same localities.
242. *Carex straminea* Willd. Straw sedge. Straw-colored sedge. Dog-grass. Common in dry ground. Also in Lambton county, Ontario. This makes a very good hay, containing about 8 per cent of protein.
243. *Carex festucacea* Willd. Fescue sedge. Sedge. In dry and sandy ground. Also in Lambton county, Ontario.
244. *Carex alata* Torr. (*Carex straminea alata* Bailey in Gray). Broad-winged sedge. Sedge. In moist ground. Also in Lambton county, Ontario.

ARACEÆ.—ARUM FAMILY.

245. *Arisaema triphyllum* (L.) Torr. Jack-in-the-pulpit. Indian turnip. Wake-robin. Bog-onion. Memory root. Arum. Three-leaved arum. Wild turnip. Dragon turnip. Brown dragon. Strach-wort. Three-leaved Indian turnip. Pepper turnip. Marsh turnip. Meadow turnip. Swamp turnip. Priest's pintie. Lords and ladies. A medicinal plant. Common in rich and damp woods. Also in Lambton county, Ontario.

246. *Arisaema dracontium* (L.) Schott. Green dragon. Dragon-root. Dragon arum. A medicinal plant. Along Black river below Beard's mill. Rare.
247. *Calla palustris* L. Water arum. Wild calla. Marsh calla. Wild water arum. Swamp robin. Female dragon. Water dragon. Water lily. West of Huronia Beach and in township of Ira.
248. *Spathyema foetida* (L.) Raf. (*Symplocarpus foetidus* Salisf. in Gray.) Skunk cabbage. Meadow cabbage. Skunk weed. Collard. Pole-cat weed. Swamp cabbage. Stinking poke. Polk-weed. Fetid hellebore. Common in wet and springy ground. Also in Lambton county, Ontario.
249. *Acorus calamus* L. Sweet flag. Common sweet flag. Calamus root. Calamus. Calmus. Flag-root. Beewort. Myrtle flag. Myrtle-grass. Grass myrtle. Sweet myrtle. Sea-sedge. Sweet cane. Myrtle sedge. Sweet grass. Sweet root. Sweet rush. Sweet sedge. Acore odorant. Kalmus wurzel. A medicinal plant. In marshes, swamps and along streams. Also in Lambton county, Ontario.

LEMNACEÆ.—DUCKWEED FAMILY.

250. *Spirodela polyrrhiza* (L.) Schleid. Greater duckweed. Duckweed. Duck-meat. Common in ponds, ditches and edges of slow streams. Also in Lambton county, Ontario.
251. *Lemna trisulca*. Ivy-leaved duckweed. Star duckweed. Duckweed. Duckmeat. At St. Clair Flats. Bulletin of the Michigan Fish Commission, 1893.
252. *Lemna minor* L. Lesser duckweed. Duck-meat. Waterlentils. Toad-spit. Mardling. Common in ponds, ditches and edges of slow streams. Also in Lambton county, Ontario.

COMMELINACEÆ.—SPIDERWORT FAMILY.

253. *Tradescantia virginiana* L. Spider wort. Common spider wort. Spider flower. Spider lily. Trinity. Widow's tears. Job's tears. In damp ground near Algonac. Rare. More common on Walpole Island, Kent county, Ontario.

PONTEDERIACEÆ.—PICKEREL-WEED FAMILY.

254. *Pontederia cordata* L. Pickerel-weed. Common pickerel-weed. Moose-ear. In lakes, coves, ponds, and slow streams. Also in Lambton county, Ontario.
255. *Heteranthera dubia* (Jacq.) Mac M. (*Heteranthera graminea* Vahl. in Gray). Water star-grass. Mud plantain. Common in still water and slow streams. Also in Lambton county, Ontario.

JUNCACEÆ.—RUSH FAMILY.

256. *Juncus effusus* L. Common rush. Rush. Bog-rush. Candle rush. Round rush. Soft rush. Pin rush. Hard-rush. Bulrush. Typha. Water rush. Common in swamps and moist ground. Also in Lambton county, Ontario. Many of the rushes (*Junci*) are known simply as bog-rush.
257. *Juncus balticus* Willd. (*Juncus balticus littoralis* Engelm. in Gray). Baltic rush. Rush. Frequent along the lake and river shore. Also in Lambton county, Ontario.
258. *Juncus bufonius* L. Toad-rosh. Toad-grass. Coe-grass. Frog-grass. Saltweed. Rush. Common throughout the county. Also in Lambton county, Ontario.
259. *Juncus tenuis* Willd. Slender rush. Yard rush. Slender bog-rush. Poverty grass. Wire-grass. Rush. Common in dry or moist ground, especially along paths and roads. Also in Lambton county, Ontario. This rush is tough and wiry, yet it is readily eaten by stock. When made into hay, it contains 7 per cent of crude protein.
260. *Juncus greenel* Oakes & Tuckerm. Greene's rush. Rush. Near Algonac, in damp ground. Rare. Also on Walpole Island, Kent county, Ontario.
261. *Juncus pelocarpus* E. Meyer. Brownish-fruited rush. Rush. Plentiful along St. Clair river and about Algonac in wet ground. Also in Lambton county, Ontario.
262. *Juncus richardsonianus* Schult. (*Juncus alpinus insignis* Fries. in Gray). Richardson's rush. Rush. Frequent in wet ground. Also in Lambton county, Ontario.
263. *Juncus nodosus* L. Knotted rush. Big-headed bog-rush. Rush. Common about Algonac in damp ground. Also on Walpole Island, Kent county, Ontario. This is of some value for early pasturage. Hay made of it contains 7 per cent of crude protein. The plant is too coarse for forage during the summer months.

264. *Juncus torreyi* Coville. (*Juncus nodosus megacephalus* Torr. in Gray). Torrey's rush. Rush. Frequent about Algonac and on Harsen Island. Also in Walpole Island, Kent county, Ontario.
265. *Juncus brachycephalus* (Engelm.) Buch. (*Juncus canadensis brachycephalus* Engelm. in Gray). Small-headed rush. Rush. Frequent in low ground. Also in Lambton county, Ontario.
266. *Juncus canadensis* J. Gay. (This includes *Juncus canadensis longicaudatus* Engelm.). Canada rush. Rush. Frequent in low ground. Also in Lambton county, Ontario.
267. *Juncus acuminatus* Michx. Sharp-fruited rush. Knotty-leaved rush. Rush. Frequent in damp ground. Also in Lambton county, Ontario. *Juncus acuminatus debilis* (A. Gray) Engelm. is also found here and in Lambton county, Ontario.
268. *Juncoides pilosum* (L.) Kuntze. (*Luzula vernalis* DC. in Gray). Hairy wood-rush. Wood-rush. Very common and one of our earliest plants to bloom. Also in Lambton county, Ontario.
269. *Juncoides campestre* (L.) Kuntze. (*Luzula campestris* DC. in Gray). Common wood-rush. Wood-rush. Field-rush. Black-cap. Sweeps. Good friday grass. Black-head grass. Chimney sweeps. Cuckoo-grass. Common in woods. Also in Lambton county, Ontario.

MELANTHACEÆ.—BUNCH-FLOWER FAMILY.

270. *Tofieldia glutinosa* (Michx.) Pers. Glutinous tofieldia. False asphodel. In boggy and very wet ground. Rare. Also in Lambton county, Ontario.
271. *Uvularia grandiflora* J. E. Smith. Large-flowered bellwort. Bellwort. Wood hyacinth. Wild oats. Common in rich woods. Also in Lambton county, Ontario.
272. *Uvularia sessilifolia* L. (*Oakesia sessilifolia* Watson in Gray). Sessile-leaved bellwort. Wild oats. Corn flower. Straw lilies. Bellwort. In moist woods and thickets. Also in Lambton county, Ontario.

LILIACEÆ.—LILY FAMILY.

273. *Hemerocallis fulva* L. Day lily. Lemon lily. Eve's-thread. Escaping from yards and gardens and becoming permanent in streets, roads, and along railroads. Also in Lambton county, Ontario.
- 273-a. *Hemerocallis flava* L. Yellow day lily. Day lily. Funka. Lemon lily. In old yards and gardens, but not spreading.
- 273-b. *Allium cernuum* Roth. Nodding wild onion. Wild onion. Reported as formerly existing along the flats of Black river, but I have not been able to find it.
274. *Allium tricoccum* Ait. Wild leek. Leek. Ramps. Three-seeded leek. Frequent. Formerly very abundant in beech and maple woods, but fast disappearing. Also in Lambton county, Ontario. This plant has the strong odor of onions and when eaten by cows in the spring taints the milk and butter. However, the plant is so scarce here now that I learn it does no injury.
- 274-a. *Allium schoenoprasum* L. Chives. Chive garlic. Sives. Rush garlic. Clivet. Shore onion. Sometimes planted in gardens, but not spreading so far as I have observed. It has been reported to me as growing along the flats of our streams, but I have not been able to find it.
- 274-b. *Allium sativum* L. Garden Garlic. Garlic. Clove garlic. Garlic cloves. All. Knoblauch. A medicinal plant. From Europe. In gardens but not spreading. Native in Siberia.
- 274-c. *Allium vineale* L. Wild garlic. Garlic. Field garlic. Crow garlic. Wild onion. From Europe. Reported as growing here, but I have not been able to find it. In many places it has proven a very troublesome weed.
- 274-d. *Allium cepa* L. Onion. Common onion. Garden onion. From Europe. Sometimes spreading but not persistent. Cultivated from very ancient times. Its native place is probably in Asia.
275. *Allium canadensis* L. Meadow garlic. Wild garlic. Common in moist woods and meadows. Also in Lambton county, Ontario. In this locality this plant is called wild onion.
276. *Lilium umbellatum*. Nutt. Western red lily. In dry ground along the lake shore. Not noticed in any other locality in our county. Also in Lambton county, Ontario. This was included in *Lilium Philadelphicum* L. by Gray.
277. *Lilium canadense* L. Wild yellow lily. Canada lily. Lily. Wild lily. Meadow lily. Field lily. Nodding lily. Occasionally found near Algonac. Rare. More frequent in Lambton county, Ontario, and on Walpole Island, Kent county, Ontario.

278. *Lilium superbum* L. Turk's-cap lily. Lily. Wild lily. American turk's-cap lily. Nodding lily. Turk's-head lily. Wild tiger lily. Turban lily. In meadows, marshes, swamps, and damp woods. This is our common wild lily here. Also in Lambton county, Ontario.
279. *Lilium tigrinum* Andr. Tiger lily. Lily. Spotted tiger lily. Spotted tiger root. From China and Japan. Occasionally escaping from gardens and persisting.
280. *Erythronium americanum* Ker. Yellow adder's-tongue. Yellow erythronium. Dog's-tooth violet. Yellow dog's-tooth violet. Wild yellow lily. Jonquill. Corn-flower. Adder's-tongue. Scrofula root. Lamb's tongue. Yellow lily. Trout lily. Yellow snowdrop. Yellow snake-leaf. Erythronium. Adder's leaf. Deer's tongue. Trout flower. Rattlesnake violet. Snake-leaf. Yellow-leaf. Yellow bells. Dent de chien jaune. Amerikanischer hunds Zahn. A medicinal plant. Common in damp ground and in beech and maple woods. Also in Lambton county, Ontario.
281. *Erythronium albidum* Nutt. White adder's tongue. White erythronium. White dog's tooth violet. Deer's tongue. Lily. Spring lily. Tulp. Frequent along Black river above and below Beard's mill. Also in Lambton county, Ontario.
- 281-a. *Muscari botryoides* (L.) Mill. Grape-hyacinth. Globe hyacinth. Grape-flower. Baby's breath. Bluebell. Bluebottle. From Europe. Occasionally seen in old yards and gardens, but not yet persistent.
- 281-b. *Muscari racemosum* (L.) Mill. Starch grape hyacinth. Feather hyacinth. Pearls of Spain. Grape-flower. Sugar-loaf. Occasionally seen in old yards and gardens, but not persistent.
282. *Aletris farinosa* L. Star-grass. Colic-root. Unicorn-root. Ague-grass. Star-root. Ague-root. Unicorn. Huskroot. Unicorn plant. Unicorn's-horn. Crow-corn. Devil's-bit. Blazing star. Aloe-root. Bitter grass. False star-grass. Mealy starwort. A medicinal plant. Plentiful in an old field west of Robert's Landing. Only locality known. Also north of Sarnia, Lambton county, Ontario.
- 282-a. *Yucca filamentosa* L. Adam's needle. Adam's needle and thraed. Sparrow-grass. Thread-and-needle. Eve's darning needle. Silk-grass. Bear's-grass. Bear's-thread. Remaining for a time in old yards and gardens, but not long persisting.

CONVALLARIACEÆ—LILY-OF-THE-VALLEY FAMILY.

283. *Asparagus officinalis* L. Asparagus. Common asparagus. Garden asparagus. Spare-grass. Sperage. Sparrow grass. From Europe. Common in a wild state throughout the county. Also in Lambton county, Ontario.
284. *Clintonia borealis* (Alt.) Raf. Yellow clintonia. Clintonia. Bear-tongue. Wild corn. Wild lily-of-the-valley. Clinton's lily. Hound's tongue. Calf corn. Cow-tongue. Heal-all. Dogberry. Bear plum. Northern lily. Corn flower. Common in the eastern and northern parts of the county. Also in Lambton county, Ontario.
285. *Vagnera racemosa* (L.) Morong. (*Smilacina racemosa* Desf. in Gray). Wild spike-nard. False solomon's seal. False spikenard. Seal-root. Small solomon's seal. Drop-berry. Clustered solomon's seal. Job's tear. Golden-seal. Zigzag solomon's seal. Solomon's zig-zag. Common in moist woods and thickets. Also in Lambton county, Ontario.
286. *Vagnera stellata* (L.) Morong. (*Smilacina stellata* Desf. in Gray). Star-flowered solomon's seal. False solomon's seal. Common in moist ground. Also in Lambton county, Ontario.
287. *Vagnera trifolia* (L.) Morong. (*Smilacina trifolia* Desf. in Gray). Three-leaved solomon's seal. False solomon's seal. North of the city of Port Huron. Plentiful in a marsh west of Capac.
288. *Unifolium canadense* (Desf.) Greene. (*Maianthemum canadense* Desf. and *Smilacina bifolia* Ker. in Gray). False lily-of-the-valley. Two-leaved solomon's seal. Dwarf solomon's seal. Wild lily-of-the-valley. Lily-of-the-valley. Bead-ruby. One-leaf. Cowslip. One-blade. Common in woods and thickets. Also in Lambton county, Ontario.
289. *Streptopus amplexifolius* (L.) DC. Claspingleaved twisted-stalk. Twisted-stalk. Liver-berry. Near Fort Gratiot now a part of the city of Port Huron. Winchell's catalogue. I have not been able to find this plant in the county.
290. *Streptopus roseus* Michx. Sessile-leaved twisted-stalk. Jacob's ladder. Solomon's seal. Liver-berry. Twisted-stalk. Frequent in the northern and eastern parts of the county. Also in Lambton county, Ontario.
291. *Polygonatum biflorum* (Walt.) Ell. Hairy solomon's seal. Solomon's seal. Smaller solomon's seal. Conquer-john. Dwarf solomon's seal. Sealwort. True solomon's seal. Twin-flowered solomon's seal. Common in damp woods. The prevailing form near the city of Port Huron. Also in Lambton county, Ontario.

- 291½. *Polygonatum commutatum* (R. & S.) Dietr. (*Polygonatum giganteum* Dietr. in Gray.) Smooth solomon's seal. Solomon's seal. Large Solomon's seal. First noticed by J. W. Stacey. Common in the southern part of the county.
- 291-b. *Convallaria majalis* L. Lily-of-the-valley. May lily. Wood-lily. May blossom. Conval lily. A medicinal plant. Often remaining in old yards and gardens, but not persisting. Plant poisonous, containing a poisonous substance known as convallamarin. Many were affected by it before its poisonous qualities were known. Native on the higher mountains of Virginia, North Carolina and South Carolina.
292. *Medeola virginiana* L. Indian cucumber-root. Indian cucumber. Common in damp woods and thickets. Also in Lambton county, Ontario.
293. *Trillium grandiflorum* (Michx.) Salisb. Large-flowered wake-robin. Wake-robin. Trillium. Birthroot. Bethroot. Indian balm. Three-leaved nightshade. White trillium. Great-flowered white trillium. White wood lily. Bath-flower. White lily. Trinity lily. Benjamins. Common in woods and thickets. Variable and liable to sport. Near Ruby on the bluffs are found sports with long petioled leaves. Forms with petals striped with green and wholly green are common. Also in Lambton county, Ontario.
294. *Trillium erectum* L. Ill-scented wake-robin. Purple trillium. Purple birthroot. Red benjamin. Purple wake-robin. Red wake-robin. True-love. Red trillium. Indian shamrock. Beth-flower. Wake-robin. Lamb's quarters. Ground lily. Bath-flower. Beth-root. Birth-root. Daffy-down-dilly. Orange blossom. Squaw-flower. Nosebleed. Wild peony. Wild piny. Dish-cloth. Stinking dish-cloth. Bumble-bee root. Squaw-root. Benjamins. Stinking benjamin. A medicinal plant. Common in damp woods in the northern and eastern parts of the county. Also in Lambton county, Ontario.
295. *Trillium undulatum* Willd. (*Trillium erythrocarpum* Michx. in Gray). Painted trillium. Wake-robin. Trillium. Wild pepper. Sarah. Benjamins. White benjamin. In woods at Bunce's farm south of the city of Fort Huron. Also near Ruby.

SMILACEÆ—SMILAX FAMILY.

296. *Smilax herbacea* L. Carrion-flower. American jacob's-ladder. Jacob's-ladder. A medicinal plant. Common in woods and thickets and along dry banks of streams. Also in Lambton county, Ontario. Flowers much visited by blow-flies.
- 296½. *Smilax ecirrhata* (Engelm.) S. Wats. Upright smilax. Smilax. Occasionally found throughout the county. First noticed by J. W. Stacey.
297. *Smilax hispida* Muhl. Hispid greenbrier. Greenbrier. Catbrier. Priestly sarsaparilla. Common in damp thickets. Also in Lambton county, Ontario.

AMARYLLIDACEÆ—AMARYLLIS FAMILY.

298. *Hypoxis hirsuta* (L.) Coville. (*Hypoxis erecta* L. in Gray). Star-grass. Yellow-eyed grass. West of Robert's Landing and about Algonac. Rare in other localities. Also in Lambton county, Ontario.

DIOSCOREACEÆ—YAM FAMILY.

299. *Dioscorea villosa* L. Wild yam-root. Wild yam. Yam. Colic-root. Yam-root. Rheumatism root. China root. Devil's bones. A medicinal plant. A pretty vine common in moist thickets. Also in Lambton county, Ontario.

IRIDACEÆ—IRIS FAMILY.

300. *Iris versicolor* L. Larger blue flag. Flag. Blue flag. Flower-de-luce. Wild flower-de-luce. Flower-de-luce. Blue lily. Blue iris. Poison flag. Poison flag-root. Water-flag. Flag lily. Water lily. Fleur-de-lis. Liver lily. Snake lily. Verschiedenfarbige schwertlilie. A medicinal plant. In marshes, damp thickets and wet meadows. Also in Lambton county, Ontario.
301. *Sisyrinchium angustifolium* Mill. Pointed blue-eyed grass. Blue-eyed grass. Forget-me-not. Blue-grass. Grass-flower. Star-eyed grass. Blue-eyed lily. Blue-eyed mary. Pig-root. Eye-bright. Blue star. Common in fields and meadows. Also in Lambton county, Ontario.

ORCHIDACEÆ—ORCHID FAMILY.

302. *Cypripedium acaule* Ait. Moccasin flower. Noah's ark. Stemless ladies' slipper. Ladies' slipper. Purple ladies' slipper. Camel's-foot. Old goose. Ducks. Pink ladies' slipper. Two-lips. Indian moccasin. Valerian. Nerve-root. Indian slipper. Squirrel-shoes. American valerian. Whip-poor-will. Whip-poor-will's shoe. Wild valerian. Occasionally found throughout the county but not common. Also in Lambton county, Ontario.

303. *Cypripedium reginae* Walt. (*Cypripedium spectabile* Salisb. in Gray). Showy ladies' slipper. Shepherd's purse. Nerve-root. Whip-poor-will shoes. Ducks. Female nervine. Ladies' slipper. Moccasin flower. In swamps and wet woods. Also in Lambton county, Ontario. Our most beautiful cypripedium. Plant poisonous, the glandular hair of the leaves containing a poisonous oil.
304. *Cypripedium candidum* Willd. Small white ladies' slipper. White-flowered ladies' slipper. Ladies' slipper. Moccasin flower. American valerian. White umbel. Ducks. Near Algonac. Rare. Plentiful in one locality on Walpole Island, Kent county, Ontario. Also north of Sarnia, Lambton county, Ontario.
305. *Cypripedium hirsutum* Mill. (*Cypripedium pubescens* Willd. in Gray). Large yellow ladies' slipper. Yellow ladies' slipper. Indian shoe. Slipper root. Venus cap. American valerian. Nervine. Nerve-root. Umbel. Moccasin plant. Male nervine. Yellow moccasin flower. Umbel root. Ducks. Yellow moccasin. Downy ladies' slipper. Monkey flower. Noah's ark. Moccasin flower. Venus shoe. Yellow umbel. Yellows. Ladies' slipper. Bleeding heart. A medicinal plant. In wet woods and thickets. Also in Lambton county, Ontario. Plant poisonous, the glandular hair of the leaves containing a poisonous oil.
- 305-a. *Cypripedium parviflorum* Salisb. Small yellow ladies' slipper. Ladies' slipper. Yellow ladies' slipper. Moccasin flower. American valerian. A medicinal plant. North of Sarnia, Lambton county, Ontario. Have never seen this plant in St. Clair county. Plant poisonous like the preceding.
306. *Orchis spectabilis* L. Showy orchis. Gay orchis. Purple orchis. Spring orchis. Preacher-in-the-pulpit. Frequent in rich woods. Usually not more than two or three plants found in one locality. Also in Lambton county, Ontario. A beautiful orchid.
307. *Habenaria orbiculata* (Pursh.) Torr. Large round-leaved orchis. Large two-leaved orchis. Heal-all. Solomon's seal. Great green orchis. Greater green orchis. Among white pines on the bluffs above Beard's mill. Only locality known.
308. *Habenaria hookeriana* A. Gray. (*Habenaria hookeri* Torr. in Gray). Hooker's orchis. Small two-leaved orchis. Solomon's seal. Frequent in dry woods. Also in Lambton county, Ontario.
309. *Habenaria hyperborea* (L.) R. Br. Tall leafy green orchis. Northern green orchis. In wet woods. Also in Lambton county, Ontario.
310. *Habenaria dilatata* (Pursh.) Hook. Tall white bog orchis. Northern white orchis. In very wet and boggy ground. Also in Lambton county, Ontario. This orchid has a sweet perfume.
311. *Habenaria bracteata* (Willd.) R. Br. Long-bracted orchis. Bracted green orchis. Vegetable satyr. Archis. Satyr. In woods and meadows. Also in Lambton county, Ontario. T. C. Wheatley.
312. *Habenaria clavellata* (Michx.) Spreng. (*Habenaria tridentata* Hook. in Gray). Small wood green orchis. Rein orchis. Three-toothed orchis. North of the city of Port Huron. Rare.
313. *Habenaria flava* (L.) A. Gray. (*Habenaria virescens* Spreng. in Gray). Tubercled orchis. Small pale-green orchis. Greenish orchis. Green rein orchis. Yellow orchis. In damp ground. Rare. Also in Lambton county, Ontario.
314. *Habenaria lacera* (Michx.) R. Br. Ragged orchis. Green-fringed orchis. Ragged-fringed orchis. On damp ground, in swamps, and wet woods. Also in Lambton county, Ontario.
315. *Habenaria leucophaea* (Nutt.) A. Gray. Prairie white-fringed orchis. Greenish-fringed orchis. Green-fringed orchis. In marshes and wild meadows near Algonac. Rare. On the lower part of Walpole Island, Kent county, Ontario, hundreds of acres are covered with this plant. Also near Sarnia in Lambton county, Ontario.
316. *Habenaria psycodes* (L.) A. Gray. Smaller purple-fringed orchis. Purple-fringed orchis. Flaming orchis. Pink-fringed orchis. Wild hyacinth. Soldier's plume. Common in damp meadows, swamps and wet woods. Also in Lambton county, Ontario.
317. *Pogonia ophioglossoides* (L.) Ker. Rose pogonia. Sweet Pogonia. Snake-mouth. Adder's-flower. Adder's-meat. Adder's-mouth. In marshes and wet meadows. Not common. Also in Lambton county, Ontario.
- 317-a. *Gyrostachys romanzoffiana* (Cham.) MacM. (*Spiranthes romanzoffiana* Cham. in Gray). Hooded ladies' tresses. Ladies' tresses. North east of Sarnia, Lambton county, Ontario, along the Grand Trunk Railway, in wet ground. Rare.
318. *Gyrostachys cernua* (L.) Kuntze. (*Spiranthes cernua* L. in Gray). Nodding ladies' tresses. Ladies' tresses. Hens' toes. Drooping ladies' tresses. Spiral orchid. Ladies' dresses. Ladies' traces. Screw augur. Wild tube rose. In damp meadows and swamps. Also in Lambton county, Ontario.

319. *Gyrostachys gracilis* (Bigel.) Kuntze. Slender ladies' tresses. Ladies' tresses. Twisted stalk. Corkscrew plant. Frequent in dry and poor ground. Also in Lambton county, Ontario.
320. *Peramium repens* (L.) Salisb. (*Goodyera repens* R. Br. in Gray). Lesser rattlesnake plantain. Adder tongue. White plantain. Net-leaf plantain. Squirrel-ear. Rattlesnake plantain. Creeping rattlesnake plantain. Under white pines above Beard's mill. Rare.
321. *Peramium pubescens* (Willd.) MacM. (*Goodyera pubescens* R. Br. in Gray). Downy rattlesnake plantain. Rattlesnake plantain. Net-leaf plantain. Water plantain. Spotted plantain. Ratsbane. Scrofula weed. Adder's violet. Rattlesnake leaf. Rattlesnake root. Rattlesnake weed. Networt. In dry woods above and below Beard's mill. Also in Lambton county, Ontario. T. C. Wheatley.
322. *Corallorhiza corallorhiza* (L.) Karst. (*Corallorhiza innata* R. Br. in Gray). Early coral-root. Coral-root. Found in northern part of the county. Rare.
323. *Corallorhiza odontorhiza* (Willd.) Nutt. Small-flowered coral-root. Crawley. Chicken's toes. Dragon's claws. Coral-root. Small coral-root. Late coral-root. Fever-root. Scaly dragon's claw. Turkey-claw. Crawley-root. A medicinal plant. In dry woods west of Robert's Landing. Rare.
324. *Corallorhiza multiflora* Nutt. Large coral-root. Coral-root. Dragon's-claws. Frequent in woods throughout the county. Also in Lambton county, Ontario.
325. *Corallorhiza striata* Lindl. Striped coral-root. Coral-root. In woods. Rare.
326. *Limodorum tuberosum* L. (*Calopogon pulchellus* R. Br. in Gray.) Grass-pink. Calopogon. Bearded pink. Swamp pink. In marshes and swamps. Also in Lambton county, Ontario. One of our most beautiful orchids.
327. *Aplectrum spicatum* (Walt.) B. S. P. (*Aplectrum hiemale* Nutt. in Gray). Adam-and-eve. Putty-root. Frequent in rich woods. Also in Lambton county, Ontario. I seldom find this plant in bloom.
- 327½. *Leptorchis loeselii* (L.) MacM. (*Liparis loeselii* L. in Gray.) Fen orchis. Loesel's twayblade. Twayblade. North end of Harsen's Island. Only locality known at present. First noticed by W. A. Brotherton.

Sub-class 2. Dicotyledones.

Embryo of the seed with two cotyledons.

Series 1. Choripetalæ.

Petals separate and distinct from each other, or wanting.

SAURURACEÆ. LIZARD'S-TAIL FAMILY.

328. *Saururus cernuus* L. Lizard's-tail. Breast-weed. In swamps and shallow water. Abundant along Pine river, Belle river and Mill creek. Also in Lambton Co., Ont.

JUGLANDACEÆ. WALNUT FAMILY.

329. *Juglans nigra* L. Black walnut. English walnut. European walnut. Walnut. Walnut tree. Dent-soo-kwa-no-ne (Round nut of New York Indians). A medicinal plant. Generally in rich ground throughout the county. More common on the flats along Black river. This tree might be cultivated not only for its nuts, but for its timber. Also in Lambton county, Ontario. It is a native of this country, and hence the common name English walnut and European walnut seem inapplicable.
330. *Juglans cinerea* L. Butternut. White walnut. Oil-nut. Oil-nut tree. Walnut. Butternut tree. Buttnut. Lemon walnut. Kisky thomas-nut. Oil-nut bark. Noyer gris. Graue wallnus-rinde. A medicinal plant. In rich woods throughout the county, mostly along streams. Also in Lambton county, Ontario. This tree should be cultivated for its nuts.
331. *Hicoria minima* (Marsh.) Britton. (*Carya amara* Nutt. in Gray). Bitter-nut. Swamp hickory. Pig hickory. Pig-nut. Bitter pecan. Pecanier amer. Pecanier sauvage. Bitter pig-nut. Hickory. Bitter hickory. Pig walnut. Bitter walnut. Water bitter-nut. White hickory. Noyer dur. Frequent throughout the county. Some very large trees along Belle river south of Capac. Also in Lambton county, Ontario.
332. *Hicoria ovata* (Mill.) Britton. (*Carya alba* Nutt. in Gray.) Shag-bark. Shell-bark hickory. Shag-bary hickory. Walnut. Kiskytone. King-nut. Shellbark. Upland hickory. Hickory. Hickory nut. Hickory tree. Scaly-bark hickory. Shell-bark tree. White walnut. White hickory. Shagbark walnut. Rough-bark hickory. Shaggy hickory. Black hickory. Sweet walnut. Redheart hickory. Ackroot. A medicinal plant. Common throughout the county, and producing our best hickory nut, and best hickory timber. Also in Lambton county, Ontario. The most beautiful forest of this tree I ever saw is on Dickenson's island in Lake St. Clair. The tree should be cultivated for its nuts and timber.

333. *Hicoria microcarpa* (Nutt.) Britton. (*Carya microcarpa* Nutt. in Gray). Small fruited hickory. Hickory. Smooth-bark hickory (Jackson Co., Mich.). Hickory nut. Black hickory. Pig hickory. Small pignut. Little pignut. Little shag-bark. Rare. Also in Lambton county, Ontario. Rare.

MYRICACEÆ. BAYBERRY FAMILY.

334. *Comptonia peregrina* (L.) Coulter. (*Myrica asplenifolia* L. in Gray). Sweet-fern. Spleen fern. Spleenwort-bush. Shrubby fern. Meadow fern. Canada sweet-gale. Fern-gale. Sweet-bush. Fern-bush. Sweet-ferry. Spleenwort fern. A medicinal plant. Common in dry and poor ground in the northern and eastern parts of the county. Plentiful in one place near St. Clair. Also in Lambton county, Ontario.

SALICACEÆ. WILLOW FAMILY.

335. *Populus alba* L. Abele. White poplar. Silver-leaf poplar. Silver maple. Poplar. Popple. Abel-tree. White-bark. Dutch beech. White asp. Great aspen. Aspen. Aspen poplar. Rattler tree. From Europe. Planted as an ornamental tree in the city and country. All the trees of this locality produce pistillate flowers. Spreads only and quite extensively by its roots. Also in Lambton county, Ontario.
336. *Populus balsamifera* L. Tacamahac. Balsam poplar. Balsam. Balm of gilead. Cottonwood. Poplar. Baumier. Rough-barked poplar. Tacamahac poplar. American balm of gilead. Carolina poplar. Tacmehac. Frequent throughout the county. Abundant near the Lake shore. The variety *Populus balsamifera* *candicans* (Ait.) A. Gray, probably exists here. Common names, Balm of gilead. Balsam. Balm of gilead bud tree. Balsam poplar. American balm of gilead. Balm of gilead buds. Balsam pappel. A medicinal plant. Also in Lambton county, Ontario.
337. *Populus grandidentata* Michx. Large-toothed aspen. Poplar. Popple. Aspen. Large-toothed poplar. Large poplar. White popple. White poplar. Large american aspen. Common throughout the county. The young leaves covered with down. Also in Lambton county, Ontario.
338. *Populus tremuloides* Michx. American aspen. Aspen. Quaking asp. Mountain asp. Aspen leaf. White poplar. Poplar. Popple. Trembling poplar. American poplar. Tremble. Trembling aspen. Aspen poplar. Quiver leaf. Quaking aspen. Trembling tree. Abele tree. A medicinal plant. Very common throughout the county. Also in Lambton county, Ontario. This is the poplar that springs up so thick after land has been burned over.
- 338-a. *Populus dilatata* Ait. Lombardy poplar. Probably from Asia. Planted in streets and roads for ornament. In sandy ground in this locality, these trees spread by root quite extensively. Have met with only staminate bearing trees. Perhaps it cannot be considered a naturalized tree. Also in Lambton county, Ontario.
339. *Populus deltoides* Marsh. (*Populus monilifera* Alt. in Gray.) Cotton-wood. Necklace poplar. Necklace cottonwood. Carolina poplar. Berry-bearing poplar. Big cottonwood. Yellow cottonwood. Cotton tree. Water poplar. Large-leaved poplar. River poplar. Vermont poplar. White-wood. Black italian poplar. Broad-leaved cottonwood. Frequent throughout the county. Also in Lambton county, Ontario. One of our largest trees. A variety of this known here as large-leaved poplar is planted in the city and country as a street and road tree, and seems to be the best adapted to this locality for that purpose of any tree yet tried. It thrives in all soils from sand to muck. First introduced by L. B. Rice of Port Huron, Mich.
340. *Salix nigra* Marsh. Black willow. Swamp willow. Willow. Catkins willow. Pussies. Pussy willow. A medicinal plant. Common in low ground. Often planted in the city and along country roads.
341. *Salix amygdaloides* Anders. Peach-leaved willow. Almond-leaf willow. Willow. Common willow. Tree willow. Willow tree. Black willow. Common in low ground and along streams. Also in Lambton county, Ontario. This is our largest native tree willow.
342. *Salix lucida* Muhl. Shining willow. Glossy willow. American bay willow. Willow. Common in low ground and along streams. Also in Lambton county, Ontario.
- 342-a. *Salix pentandra* L. (*Salix laurifolia* of horticulturists.) Bay willow. Willow. From Europe. Often planted along streets and roads, but not escaping so far as I can observe. Leaves very glossy. A handsome tree.
343. *Salix fragilis* L. Crack willow. Brittle willow. Willow. Willow bark. Varnished willow. Stag's-head willow. Snap willow. Stag's-head osler. Red-wood willow. From Europe. Frequent near Capac. Occasionally found in other parts of the county.

344. *Salix alba*. White willow. Huntingdon willow. Willow. Common European willow. Duck willow. Salacin willow. Willow bark. Withe. Wither. Snap willow. A medicinal plant. From Europe. Thoroughly naturalized along Black river and in other parts of the county. Also in Lambton county, Ontario. Often planted along streets and roads. *Salix alba coerulea* (J. E. Smith) Koch., blue willow, and *Salix alba vitellina* (L.) Koch., golden osier, cane withy, yellow willow, are also found.
345. *Salix fluviatilis* Nutt. (*Salix longifolia* Muhl. in Gray). Sandbar willow. River-bank willow. Long-leaf willow. Long-leaved willow. Narrow-leaved willow. Shrub willow. White willow. Red willow. Osier willow. Willow. Common in low ground and along streams. Also in Lambton county, Ontario.
346. *Salix humilis* Marsh. Prairie willow. Bush willow. Low-bush willow. Willow. Rose willow. Common in dry ground. Also in Lambton county, Ontario. A small willow. Plentiful in Lakeside cemetery.
347. *Salix discolor* Muhl. Glauccous willow. Pussy willow. Pussies. Silver willow. Swamp willow. Willow. Bog willow. Common in low ground and swamps. Also in Lambton county, Ontario. This species and the preceding are much visited by bees in early spring for pollen and honey.
- 347½. *Salix bebbiana* Sarg. (*Salix rostrata* Richards in Gray.) Bebb's willow. Willow. Frequent in damp ground and along streams. Also in Lambton county, Ontario.
348. *Salix sericea* Marsh. Silky willow. Willow. In swamps and along streams. Also in Lambton county, Ontario.
349. *Salix petiolaris* J. E. Smith. Slender willow. Petioled willow. Willow. Dark long-leaved willow. In marshes and swamps.
350. *Salix candida* Flugge. Hoary willow. Sage willow. Willow. In marshes and swamps. Also in Lambton county, Ontario.
351. *Salix cordata* Muhl. Heart-leaved willow. Willow. Pussies. Pussy willow. Frequent in wet ground. Also in Lambton county, Ontario.
352. *Salix balsamifera* (Hook.) Barratt. Balsam willow. Willow. In swampy ground at Bunce's farm south of the city of Port Huron. Rare.
353. *Salix myrtilloides* L. Bog willow. Willow. Myrtle willow. In very wet and boggy ground. Also in Lambton county, Ontario.

BETULACEÆ. BIRCH FAMILY.

354. *Carpinus caroliniana* Walt. American hornbeam. Blue beech. Water beech. Hornbeam. Ironwood. Swamp beech. O-tan-tahr-te-weh, that is, a lean tree (Indians N. Y.). Very common in damp ground and along streams. Also in Lambton county, Ontario.
355. *Ostrya virginiana* (Mill.) Willd. Hop-hornbeam. Ironwood. American hop-hornbeam. Lever-wood. Hardhack. Indian cedar. Deer-wood. Black hazel. Hopfenheimbuche. A medicinal plant. In damp woods and along streams. Also in Lambton county, Ontario. So far as I can learn the common name of this tree in Michigan is ironwood. The wood of this and the preceding being tough and durable is much used for wedges and levers.
356. *Corylus americana* Walt. Hazel-nut. American hazel-nut. American filbert. Hazel. Filbert. Hazel-nut. Common throughout the county. Also in Lambton county, Ontario. Nuts sweet and edible. It seems to me this and the following might be cultivated.
357. *Corylus rostrata* Ait. Beaked hazel-nut. Hazel-nut. Hazel-bush. Hazel. A small bunch in the northern part of the city of Port Huron near Tenth Ave. Plentiful on bluffs along Black river above and below Beard's mill. Nuts sweet and edible. For some years hazelnuts have been scarce, being destroyed by a moth.
358. *Betula papyrifera* Marsh. Paper birch. Canoe birch. White birch. Silver birch. Spool-wood. Boleen birch. Large white birch. Birch. Boleau (Quebec). Frequent in the northern and eastern parts of the county. Also in Lambton county, Ontario.
- 358-a. *Betula alba* L. European white birch. Cut-leaved birch. White birch. From Europe. Planted for ornament in yards, especially the cut-leaved form, but not spreading. A very beautiful yard tree.
359. *Betula lenta* L. Cherry birch. Black birch. Sweet birch. Birch. River birch. Mahogany birch. Mountain birch. Mountain mahogany. Spice birch. Common throughout the county in damp and rich ground. Also in Lambton county, Ontario. From the leaves and twigs of this tree is extracted an oil, an important article of commerce, known as oil of wintergreen.

- 359½. *Betula lutea* Michx. f. Yellow birch. Gray birch. Birch. In woods in the township of Ira. First noticed by J. W. Stacey. A large forest tree, height often 100 feet, and trunk diameter of four feet. Wood hard, strong, light brown, and weight 41 lbs. per cubic foot.
360. *Betula pumila* L. Low birch. Tag alder. Dwarf birch. In very wet swamps about Capac.
361. *Alnus incana* (L.) Willd. Speckled alder. Hoary alder. Tag alder. Black alder. Common in low and wet ground. Also in Lambton county, Ontario.

FAGACEÆ. BEECH FAMILY.

362. *Fagus americana* Sweet. (*Fagus ferruginea* Ait. in Gray.) American beech. Beech. Beechnut. White beech. Red beech. Black beech. Ridge beech. Beechnut tree. Beech tree. *Hetre ferrugineux*. *Americanische buche*. A medicinal plant. Common in rich ground throughout the county. Lumbermen distinguish this tree into red beech and white beech according to the color of the wood. Also in Lambton county, Ontario. Nuts sweet and edible.
363. *Castanea dentata* (Marsh.) Borkh. (*Castanea sativa americana* Wat. in Gray.) American chestnut. Chestnut. Chestnut tree. Sardinian nut. Prickly bur. O-heh-yah-tah, that is, prickly bur (Indians N. Y.). *Chataignier*. *Kastanienblatter*. A medicinal plant. Five native trees left near the high bank of Black river on the farm of Christopher May in the township of Port Huron. It is reported that a large grove of these trees existed formerly near the same place. Nuts edible and it seems to me this tree should be cultivated.
364. *Quercus rubra* L. Red oak. Black oak. Champion oak. Oak. Spanish oak. A medicinal plant. Common throughout the county. Also in Lambton county, Ontario. The bark of this tree is often used to dye red.
365. *Quercus palustris* Du Roi. Swamp oak. Pin oak. Swamp spanish oak. Water oak. Water Spanish oak. Oak. Plentiful in the southern and southeastern part of the county about Marine City and Algonac. Also in southwestern part of Lambton county, Ontario, and on Walpole Island, Kent county, Ontario.
366. *Quercus velutina* Lam. (*Quercus coccinea tinctoria* A. Gray in Gray.) Black oak. Quercitron. Yellow oak. Yellow-barked oak. Yellow bark. Quercitron oak. Tanbark oak. Spotted oak. Dyer's oak. Gall oak. Currant oak. Female oak. Oak. Common british oak. A medicinal plant. Common throughout the county. Also in Lambton county, Ontario. Inside bark yellow and often used for dying yellow. The English oak is *Quercus robur* L., and hence the common name, "common british oak," cannot properly be given to any of our species.
367. *Quercus alba* L. White oak. Stave oak. Tanner's oak. Oak. *Ecorde chene*. *Eichenrinde*. A medicinal plant. Common throughout the county. Also in Lambton county, Ontario. Our most valuable oak. Much used in inside finishing, carriage-making and formerly in ship building.
368. *Quercus macrocarpa* Michx. Mossy-cup oak. Buroak. Over-cup oak. Mossy-cup white oak. In rich ground. Also in Lambton county, Ontario. Tree often very large. The timber valuable.
369. *Quercus platanoides* (Lam.) Sudw. (*Quercus bicolor* Willd. in Gray.) Swamp white oak. Swamp oak. Oak. In damp and rich ground. More common here than the preceding. Also in Lambton county, Ontario.

ULMACEÆ. ELM FAMILY.

370. *Ulmus americana* L. American elm. White elm. Common elm. Water elm. Elm. *Orme maigre* (La.). Swamp elm. Rock elm. Common white elm. Common shade elm. Shade elm. Our commonest elm, and the one usually planted in streets and roads. Also in Lambton county, Ontario. The timber of this tree is much used for staves.
371. *Ulmus racemosa* Thomas. Cork elm. Rock elm. Hickory elm. White elm. Thomas elm. Northern cork-barked elm. Cork-bark elm. Northern cork elm. Wahoo. Cliff elm. Racemed elm. Corky white elm. Elm. Swamp elm. Frequent throughout the county on low and damp ground. Several trees of this planted in the street west of Judge Harris' house, city of Port Huron. Also in Lambton county, Ontario. The limbs usually covered with a shaggy bark. Timber valuable.
372. *Ulmus fulva* Michx. Slippery elm. Red elm. Moose elm. White elm. Red-wood-ed elm. Rock elm. Indian elm. Sweet elm. Elm. American elm. *Orme-gras* (La.). Oo-hoosk-ah, that is, "It slips" (Indians N. Y.). A medicinal plant. Frequent throughout the county. Also in Lambton county, Ontario.
373. *Celtis occidentalis* L. Hackberry. Sugar-berry. Nettle tree. American nettle tree. Hoop ash. Beaver-wood. Rim-ash. One-berry. Hack-tree. Juniper tree. Bastard elm. Sugar-berry tree. On low and damp ground. Formerly there were three trees on the bank of Black river above Beard's mill. Only one now standing and believed to be the only one in the county.

MORACEÆ. MULBERRY FAMILY.

- 373-a. *Morus alba* L. White mulberry. Sycamore. Silkworm tree. From Europe. Planted here occasionally for ornament. A few escapes have been found, but it can hardly be considered as established. The silk-worm or silk-moth is fed upon the leaves of this tree.
- 373-b. *Toxylon pomiferum* Raf. (*Maclura aurantiaca* Nutt. in Gray.) Osage orange. Bois d'arc. Bodock. Mock orange. Bow-wood. Osage apple. Wild orange. Yellow-wood. Hedge. Hedge plant. Osage. A native of Missouri, Kansas, and Texas. Introduced here for hedges, but so far as I can observe it does not well succeed. The best hedge I have seen is near Robert's Landing. Not spreading so far as I can observe.
- 373½. *Humulus lupulus* L. Hop. Hops. A medicinal plant. Often remaining for a time in yards and gardens and escaping to roads and banks of streams. Native farther north and west.
374. *Cannabis sativa* L. Hemp. Common hemp. Foreign indian hemp. Red-root. Neckweed. Gallow grass. Hashish. Chanure indien. Indischer hanf. A medicinal plant. From Europe and Asia. Found in streets, roads, and gardens. Perhaps it can be considered as established. Also in Lambton county, Ontario.

URTICACEÆ. NETTLE FAMILY.

375. *Urtica gracilis* Ait. Slender nettle. Nettle. Tall wild nettle. In damp ground, marshes, and woods. Also in Lambton county, Ontario.
376. *Urticastrum divarictum* (L.) Kuntze. (*Laportea canadensis* Gaud. in Gray.) Wood nettle. Canada nettle. Albany hemp. Very common in rich woods and thickets. Also in Lambton county, Ontario.
377. *Adicea pumila* (L.) Raf. (*Pilea pumila* L. in Gray.) Clearweed. Water weed. Richweed. Cool-weed. Stingless nettle. In damp and shady places. Have seen it growing under the eaves of houses in the city of Port Huron. Also in Lambton county, Ontario.
378. *Boehmeria cylindrica* (L.) Willd. False nettle. Common in moist ground. Also in Lambton county, Ontario.

SANTALACEÆ. SANDALWOOD FAMILY.

379. *Comandra umbellata* (L.) Nutt. Bastard toad-flax. Common in dry ground in woods, thickets, and fields. Also in Lambton county, Ontario.

ARISTOLOCHIACEÆ. BIRTHWORT FAMILY.

380. *Asarum canadense* L. Wild ginger. Colt's-foot. False colt's-foot. Snakeroot. Canada snakeroot. Indian ginger. Black snakeweed. Catsfoot. Vermont snakeroot. Heart snakeroot. Colt's-foot snakeroot. Colic-root. Broad-leaved asarabacca. Southern snakeroot. Asarabacca. Assaret du canada. Canadische haselwurz. A medicinal plant. In damp and rich woods along Black river and near North street. Also in Lambton county, Ontario.
- 380-a. *Aristolochia macrophylla* Lam. (*Aristolochia siphon* L'Her in Gray.) Dutchman's pipe. Pipe vine. Big sarsaparilla. Planted in yards and gardens but not spreading.

POLYGONACEÆ. BUCKWHEAT FAMILY.

381. *Rumex acetosella* L. Field sorrel. Sheep sorrel. Common sorrel. Sourleek. Wood sorrel. Mountain sorrel. Red-weed. Sorrel. Red sorrel. Horse sorrel. Toad's sorrel. Cow sorrel. Gentlemen's sorrel. Common field sorrel. Sour grass. Red-top sorrel. Sour dock. A medicinal plant. From Europe and Asia. In fields, dry woods, and on hillsides. A common field weed. Also in Lambton county, Ontario.
382. *Rumex verticillatus* L. Swamp dock. Common in wet and swampy places. Also in Lambton county, Ontario.
383. *Rumex britannica* L. Great water-dock. Pole dock. Yellow-rooted water-dock. Markerry. Horse sorrel. Yellow-rooted dock. Frequent in swamps, marshes, and wet woods. Also in Lambton county, Ontario.
384. *Rumex crispus* L. Curled dock. Yellow dock. Narrow dock. Sour dock. Garden patience. Patience frisée. Grindwurz. A medicinal plant. From Europe. In fields, meadows and woods. A pernicious weed in hay fields and yards. Also in Lambton county, Ontario.
385. *Rumex obtusifolius* L. Broad-leaved dock. Bitter dock. Sour dock. Celery seed. Butter dock. Poison dock. Blunt-leaved dock. Wild patience. From Europe and Asia. Common in yards, fields, and open woods. Also in Lambton county, Ontario.

- 385-a. *Rheum rhaponticum* L. Rhubarb. Garden rhubarb. Pie plant. French rhubarb. Rhapontic root. Crimea rhubarb. English stick rhubarb. From the Old World. Persisting for sometime in old gardens, but not spreading.
386. *Fagopyrum fagopyrum* (L.) Karst. (*Fagopyrum esculentum* Moench, in Gray.) Buckwheat. Common buckwheat. Beech-wheat. Silver-hull. Japanese buckwheat. Brank. Crap. Corn heath. Saracen's corn. Snake-weed. Buchweizen. From Asia. Frequent in cultivated fields and persistent for a few years at least. Also in Lambton county, Ontario. An important cultivated plant. Native on the banks of the river. Amur and near Lake Baikal in Asia. It has been cultivated about 1,000 years.
387. *Polygonum amphibium* L. Water persicaria. Heartsease. Willow-weed. Red-shanks. Serpent-grass. Willow-grass. Ground willow. In swamps, marshes, and borders of ponds. Also in Lambton county, Ontario.
388. *Polygonum hartwrightii* A. Gray. Hart wright's persicaria. Persicaria. In swamps and marshes. Rare. Also in Lambton county, Ontario.
389. *Polygonum emersum* (Michx.) Britton. (*Polygonum Muhlenbergii* Wat. in Gray.) Swamp persicaria. Persicaria. Frequent in swamps and marshes. Also in Lambton county, Ontario. This has been highly spoken of as a forage plant and cattle are very fond of it.
390. *Polygonum lapathifolium* L. Dock-leaved persicaria. Willow-weed. Pale persicaria. Persicaria. From Europe. Frequent in damp places. Sometimes a weed. Also in Lambton county, Ontario.
391. *Polygonum pennsylvanicum* L. Pennsylvania persicaria. Persicaria. Smart weed. Pink jointweed. Common Persicaria. Pink knotweed. Frequent in moist ground. Also in Lambton county, Ontario.
392. *Polygonum persicaria* L. Lady's thumb. Heart-weed. Black heart. Lover's pride. Spotted knotweed. Heartsease. Knotweed. Door-weed. Peachwort. Heart's ear. Pink-weed. Red shanks. Red-weed. Willow-weed. From Europe. In waste places. Often a weed. Also in Lambton county, Ontario.
393. *Polygonum hydropiperoides* Michx. Mild water pepper. Smartweed. Water smartweed. A medicinal plant. In swamps, wet ground, and along streams. Also in Lambton county, Ontario.
394. *Polygonum hydropiper* L. Smartweed. Water pepper. Common smartweed. European water pepper. Bite-tongue. Red-shanks. Sickle-weed. Red knees. Lake-weed. Biting persicaria. Pepper-plant. Door-weed. A medicinal plant. Supposed to be from Europe in our locality. Common in moist ground. To me, it appears like a native plant. Also in Lambton county, Ontario.
- 394½. *Polygonum careyi* Olney. Carey's persicaria. Persicaria. At Fort Gratiot, Mich. Noticed by Dr. Z. Pitcher. I have been unable to find this plant.
395. *Polygonum punctatum* Ell. (*Polygonum acre* HBK. in Gray.) Dotted smart weed. Water smartweed. Smartweed. Turkey-troop. In swamps and wet places. Abundant and large along Belle and Pine rivers. Also in Lambton county, Ontario.
- 395-a. *Polygonum orientale* L. Prince's feather. Gentleman's cane. Kiss-me-over-the-fence. Ragged sailor. In old yards and sometimes in fields, but it does not seem to persist very long. Also in Lambton county, Ontario.
396. *Polygonum virginianum* L. Virginia knotweed. Virginia bistort. Very common in damp woods. Also in Lambton county, Ontario.
397. *Polygonum aviculare* L. Knot-grass. Door-weed. Dooryard grass. Door-grass. Wiregrass. Crab-grass. Way-grass. Beggar-weed. Common knotweed. Knotweed. Goose-grass. Wire-weed. Stone-weed. Bird's-tongue. Sparrow-tongue. Bird's knot-grass. Dog-tails. Bird-weed. Cow-grass. Swine's-grass. Ninety-knot. Pink-weed. Common in yards, streets, roads, and fields. A common weed in our dooryards. Also in Lambton county, Ontario. This plant is greedily eaten by all kinds of stock and highly esteemed by stockmen in the west. The dry forage contains nearly 19 per cent of crude protein, and takes high rank as a flesh former.
398. *Polygonum littorale* Link. Shore knotweed. Knotweed. Near Algonac. Noticed mostly on the large nests or mounds of ants about Algonac. Also on Walpole Island, Kent county, Ontario.
399. *Polygonum erectum* L. Erect knotweed. Goose-grass. Knotweed. In streets, roads, and fields. Also in Lambton county, Ontario. In the upper prairie region this plant is highly valued as forage for milch cows. In rich, moist soils it may be cut for hay, which is nutritious and contains 11 per cent of crude protein.
400. *Polygonum tenue* Michx. Slender knotweed. Knotweed. In dry ground near Algonac. Also near Blackwell Station, Lambton county, Ontario. T. C. Wheatley.

401. *Polygonum convolvulus* L. Black bindweed. Wild bean. Blackbird weed. Devil's tether. Knot bindweed. Corn bindweed. Corn-bind. Climbing buckwheat. Wild buckwheat. Bear-bind. Blackbird bindweed. Climbing bindweed. Bindweed. From Europe. Very common in gardens, fields, and waste places. A common weed. Also in Lambton county, Ontario.
402. *Polygonum ciliode* Michx. Fringed black bindweed. Bindweed. Frequent throughout the county. Also in Lambton county, Ontario.
403. *Polygonum scandens* L. (*Polygonum dumetorum scandens* Gray in Gray.) Climbing false buckwheat. False buckwheat. Wild buckwheat. Hedge bindweed. In edges of woods and moist thickets. Very plentiful in edges of marshes and swamps near Capac. Also in Lambton county, Ontario.
- 403-a. *Polygonum zuccarini* Small. (*Polygonum cuspidatum* Sieb. & Zucc. in Gray.) Japanese knotweed. From Japan. Planted in yards but not escaping.
404. *Polygonum sagittatum* L. Arrow-leaved tear-thumb. Tear-thumb. Scratch-grass. Common in wet and springy ground. Also in Lambton county, Ontario.
405. *Polygonum arifolium* L. Halberd-leaved tear-thumb. Sickle-grass. Scratch-grass. Joint-weed. Hastate knot-grass. Tear-thumb. In swamps and marshes north of Capac.
406. *Polygonella articulata* (L.) Meisn. Coast joint-weed. Joint-weed. Sand-grass. Seaside jointweed. Seaside knot-grass. Coast knot-grass. In dry ground in Lakeside cemetery.

CHENOPODIACEÆ. GOOSEFOOT FAMILY.

407. *Chenopodium album* L. Lamb's quarters. White goosefoot. Pigweed. Black weed. Common pigweed. Frost-bite. Bacon-weed. Muck weed. Wild spinach. Fat-hen. From Europe. One of the commonest weeds in our gardens and fields. Also in Lambton county, Ontario.
408. *Chenopodium glaucum* L. Oak-leaved goosefoot. Goosefoot. From Europe. A weed in gardens and fields, but not so common as the preceding. Also in Lambton county, Ontario.
409. *Chenopodium hybridum* L. Maple-leaved goosefoot. Goosefoot. Sow-bane. Swine's-bane. In gardens and waste places. A common weed. Also in Lambton county, Ontario.
410. *Chenopodium botrys* L. Feather geranium. Jerusalem oak. Wormseed. Oak of Jerusalem. Hindheel. Ambrose. Allgood. Ambrosia. Anserine anthelmintique. Wurmwidriger. Gemeines traubenkraut. A medicinal plant. From Europe. Along dry and sandy roads. I find this plentiful in the poorest sand we have. Also in Lambton county, Ontario.
411. *Blitum capitatum* L. (*Chenopodium capitatum* Wat. in Gray.) Strawberry blite. Indian strawberry. Blite. Indian paint. Strawberry spinach. Garden strawberry. Common and usually in rich and damp ground. Also in Lambton county, Ontario.
412. *Atriplex patula* L. (*Atriplex patulum littorale* Gray in Gray.) Spreading orache. Orache. Plentiful on the hard clay near Tunnel Station in the city of Port Huron. Rare in other localities. Also near Tunnel Station in Sarnia, Lambton county, Ontario.
413. *Atriplex hastata* L. (*Atriplex patulum hastatum* Gray in Gray.) Halberd-leaved orache. Orache. Fat-hen. A common weed everywhere in this county. Also in Lambton county, Ontario.
414. *Salsola tragus* L. Russian thistle. Russian cactus. Wind-witch. From northern Europe. First discovered near one of the elevators in the city of Port Huron, August 12, 1895, and has persisted. It is also found along the railways. A very bad weed west of the Mississippi river. Also in Lambton county, Ontario, at the depots and along the railways.
- 414½. *Cycloloma atriplicifolium* (Spreng.) Coult. (*Cycloloma platyphyllum* Moq. in Gray.) Cycloloma. In the Grand Trunk yards in the northern part of the city of Port Huron. Also at Pt. Edward and Sarnia, Lambton county, Ontario.

AMARANTHACEÆ. AMARANTH FAMILY.

415. *Amaranthus retroflexus* L. Rough pigweed. Pigweed. Green amaranth. Beet-root. Common pigweed. Light-houses. Curis. Red-root. Wild beet. From tropical America. A common weed in gardens and fields. Also in Lambton county, Ontario.
- 415-a. *Amaranthus hybridus* L. (*Amarantus chlorostachys* Willd. in Gray.) Slender pigweed. Prince's feather. Spleen-amaranth. Careless. Pilewort. Red cockscomb. Green amaranth. Floramoor. Flower-gentle. From tropical America. Frequently appearing in gardens, but not persisting here.

- 415-b. *Amaranthus spinosus* L. Spiny amaranth. Thorny amaranth. From tropical America. Found along the Grand Trunk Railway north of Sarnia, Lambton county, Ontario, but not persistent.
416. *Amaranthus blitoides* S. Wats. Prostrate amaranth. Amaranth. From the West. Common in the streets and gardens of the city of Port Huron, and fast spreading as a weed into the country. Also in Lambton county, Ontario.
417. *Amaranthus graecizans* L. (*Amarantus albus* L. in Gray.) Tumble-weed. White pigweed. Pigweed. A common weed in gardens and fields. This plant easily breaks off at the root in the fall, and then blows over the ground, scattering seeds as it goes, from which fact comes the name, tumble-weed. Also in Lambton county, Ontario.
418. *Acnida tamariscina* (Nutt.) Wood. (*Acnida tuberculata* Moq. in Gray.) Western water-hemp. Water-hemp. In marshes and damp woods about Capac. It is creeping into the fields and becoming a weed. Only locality known.

PHYTOLACCACEÆ. POKEWEED FAMILY.

419. *Phytolacca decandra* L. Poke. Skoke. Pigeon-berry. Garget. Poke-berry. Poke-root. Cocum. Pocum. Ink-bush. Ink-berry bush. Haystack weed. Garget-weed. Red-weed. Red ink-plant. Poke-weed. Coakum. Skoke. Virginia poke. Pocan bush. Jalap. Cancer-jalap. Crowberry. American nightshade. Cancer-root. Chongras (La.). Red-ink berries. A medicinal plant. In edge of woods west of Marine City. First noticed by T. Lew Kilets. Frequent in southern part of the county. J. W. Stacey. Plant considered poisonous.
- This plant has many household uses, but some chemical or mechanical manipulation seems necessary to prevent ill effects when it is eaten. The root and the alcoholic extract of the fruit are quite commonly used as a household remedy for the itch and other skin diseases and for rheumatism. The fresh shoots are rather widely esteemed as a substitute for asparagus, but in the preparation considerable care is exercised to reject the root, for small quantities impart a bitter taste to the mess, and larger amounts will prove dangerous. The water in which the shoots are first boiled is also rejected on account of the poisonous substance contained in it. The berries are eaten by some birds with impunity, but they are not recommended as food for human beings. Accidental cases of poisoning have occurred through mistaking this root for that of the parsnip, artichoke, and horse-radish. The seeds are known to contain a poisonous substance.—Farmers' Bulletin No. 86, 1898.

AIZOACEÆ. CARPET-WEED FAMILY.

420. *Mollugo verticillata* L. Carpet-weed. Indian chickweed. Devil's grip. A common weed in gardens, fields, and along railroads. It thrives best here in our most sandy ground. Also in Lambton county, Ontario.

PORTULACACEÆ. PURSLANE FAMILY.

421. *Claytonia virginica* L. Spring beauty. Claytonia Pigeon-root. Good-morning-spring. Wild potatoes. Mayflower. Narrow-leaved spring beauty. Mis-ko-deed (Indians). Common in rich and damp woods. Also in Lambton county, Ontario.
422. *Portulaca oleracea* L. Purslane. Pussley. Garden purslane. Wax-pink. Sea-purslane. Pursley. Pusley. A medicinal plant. A pernicious weed in gardens and fields. Also in Lambton county, Ontario. The vitality of this plant is wonderful. Sprouts more than an inch long have grown between driers, the plant remaining green in the driers for weeks. I have found it difficult to prepare good dried specimens. Considered a valuable forage plant in the south and southwest during the dry and hot weather.
- 422-a. *Portulaca grandiflora* Hook. Garden portulaca. Sun-plant. Mexican rose. Garden purslane. French purslane. Rose-moss. Wax-pinks. Showy portulaca. French pusley. Portulaca. Moss. Kentucky moss. From South America. Cultivated in yards and gardens, but not escaping.

CARYOPHYLLACEÆ. PINK FAMILY.

423. *Agrostemma githago* L. (*Lychnis githago* Lam. in Gray.) Corn cockle. Corn rose. Corn campion. Cockle. Rose campion. Red campion. Corn-pink. Bastard nigella. Licheta. Old maid's pink. Mullein pink. Crown of the field. From Europe. A weed in wheatfields and waste places. Also in Lambton county, Ontario. Plant poisonous, especially the seed.
424. *Silene vulgaris* (Moench.) Garcke. (*Silene cucubalus* Wibel. in Gray.) Bladder campion. Snappers. Rattle-bags. Bull-rattle. Rattle box. White-ben. Knap-bottle. Sea-pink. Devil's rattle-box. Maiden's-tears. From Europe. Occasionally found along the railroads, being recently introduced. Also in Lambton county, Ontario.
425. *Silene antirrhina* L. Sleepy catchfly. Snap-dragon catchfly. Catchfly. Frequent in dry and sandy ground in fields and woods. Also in Lambton county, Ontario.

- 425-a. *Silene armeria* L. Sweet william. Lobel's catchfly. Limewort catchfly. Wax-plant. Sweet-susan. None-so-pretty. Pretty nancy. Mice pink. Dwarf french pinks. Mock sweet william. Old maid's-pink. From Europe. In yards and gardens, but not yet spreading in this locality.
426. *Silene noctiflora* L. Night-flowering catchfly. Catchfly. Gentlemen's hats. From Europe. In streets, roads, fields, and waste places. Also in Lambton county, Ontario.
427. *Lychnis alba* Mill. (*Lychnis vespertina* Sibth. in Gray.) White campion. Evening lychnis. Evening blooming lychnis. Thunder-flower. Cow-rattle. Bull-rattle. Cuckoo-flower. White-robin. Snake-flower. From Europe. Rare in this county. More frequent in Lambton county, Ontario, as a weed in fields.
- 427-a. *Gypsophila muralis* L. Low gypsophyll. Gypsophila. Gypsophyll. Mist. Babies' breath. From Europe. Frequent in gardens and yards, but not spreading.
- 427-b. *Gypsophila paniculata* L. Tall gypsophyll. Gypsophila. Mist. Gypsophyll. Baby's breath. Panicked gypsophila. In yards and gardens, but not spreading.
428. *Saponaria officinalis* L. Soapwort. Bouncing bet. Hedge pink. Bruise-wort. Old maid's pink. London-pride. London-tuft. Soap-gentian. Wild sweet william. Soap-root. Fuller's-herb. Sheep-weed. Woods-phlox. Monthly-pink. Sweet-betty. Mock gilliflower. World's-wonder. Lady-by-the-gate. Boston pink. Chimney pinks. Seifenwurz. A medicinal plant. From Europe. Along roads, railroads, and on the lake shore. Common in dry and sandy ground. Also in Lambton county, Ontario.
- 428-a. *Dianthus armeria* L. Depford pink. Wild-pink. Grass-pink. From Europe. Occasionally escaping but not yet persisting.
429. *Dianthus deltoides* L. Maiden pink. Meadow pink. Spink. Escaping and persisting on land of Wm. T. Mitchell in the city of Port Huron.
430. *Dianthus barbatus* L. Sweet william. Bunch-pink. French pinks. Bloomy-down. Bouncing bet. Scarlet lightning. Snow-flake. Sweet-john. From Europe. Occasionally escaping from yards and gardens and remaining at least for several years.
431. *Alsine media* L. (*Stellaria media* Smith in Gray.) Common chickweed. Chickweed. Chicken-weed. Starwort. Winter-weed. Tongue-grass. White-eye. Stitchwort. Adder's-mouth. Satin-flower. Stellaire. Sternkraut. A medicinal plant. Very common. From Europe. One of the earliest and latest plants to bloom. Also in Lambton county, Ontario.
432. *Alsine longifolia* (Muhl.) Britton. (*Stellaria longifolia* Muhl. in Gray.) Long-leaved stitchwort. Long-leaved starwort. Stitchwort. Starwort. In damp meadows, marshes, and swamps. Also in Lambton county, Ontario. A beautiful plant.
433. *Alsine longipes* (Goldie) Coville. (*Stellaria longipes* Goldie in Gray.) Long-stalked stitchwort. Stitchwort. Starwort. In Cox's woods near the city of St. Clair, Dr. A. E. Gurd. Rare.
434. *Cerastium viscosum* L. Mouse-ear chickweed. Chickweed. From Europe. Near the city of St. Clair. Dr. A. E. Gurd. Rare.
435. *Cerastium vulgatum* L. Larger mouse-ear chickweed. Mouse-ear. Chickweed. Common mouse-ear chickweed. Very common as a weed in rich and damp ground. Also in Lambton county, Ontario. Probably introduced here, but said to be native farther north.
- 435½. *Cerastium arvense* L. Field chickweed. Chickweed. Occasionally found about the city of Port Huron. First noticed by Albert Robinson, a student in the high school.
436. *Cerastium arvense oblongifolium* (Torr.) Holl. & Brit. Field chickweed. Starry grass-wort. Meadow chickweed. Chickweed. Occasionally found about Algonac and Harsen's Island in this county, but plentiful on the north end of Walpole Island, Kent county, Ontario.
437. *Arenaria serpyllifolia* L. Thyme-leaved sandwort. Sandwort. From Europe. A weed in gardens and fields, usually in dry and sandy ground. Recently introduced into this locality. Also in Lambton county, Ontario.
- 437-a. *Arenaria stricta* Michx. (*Arenaria michauxii* Hook. in Gray.) Rock sandwort. Sandwort. Plentiful northeast of Sarnia, Lambton county, Ontario. T. C. Wheatley. Have never met with it in St. Clair county.
438. *Spergula arvensis* L. Spurry. Corn spurry. Begger-weed. Yarr. Pick-purse. Sand-spurry. Pine-cheat. Cow-quake. Farmer's ruin. Devil's-guts. Sandweed. A weed in gardens at Wadhams. Only locality known. An annual, producing a low, tangled mass of succulent stems with numerous whorled linear leaves. It produces a crop in eight or ten weeks, and is valuable as a catch crop in short seasons and for soiling sheep and milch cows. It has been especially recommended as a first crop on the pine barrens of Michigan to turn under for green manure. The air-dried hay contains about 12 per cent of crude protein.

- 438½. *Mœhringia lateriflora* (L.) Fenzl. (*Arenaria lateriflora* L. in Gray.) Blunt-leaved *mœhringia*. Blunt-leaved sandwort. Sandwort. On Dickinson's Island in Lake St. Clair. It appears to be rare. First noticed by J. W. Stacey.

NYMPHAEACEÆ. WATER LILY FAMILY.

439. *Brasenia purpurea* (Michx.) Casp. (*Brasenia peltata* Pursh. in Gray.) Water-shield. Water-target. Deer-food. Little water lily. Water-jelly. Water-leaf. Frog-leaf. Occasionally in coves of Black river. Plentiful in Sarnia Bay, Lambton county, Ontario.
440. *Nymphaea advena* Soland. (*Nuphar advena* Aiton f. in Gray.) Large yellow pond-lily. Cow-lily. Spatter-dock. Yellow pond-lily. Yellow lily-root. Wankapin. Bonnets. Gold-watch. Hog-lily. Kelp. Horse-lily. Dog-lily. Beaver-lily. Bull-head lily. Ducks. Brandy-bottles. Frog-lily. Beaver-root. Pond-lily. A medicinal plant. Common in ponds and slow streams. Also in Lambton county, Ontario.
441. *Castalia tuberosa* (Paine) Greene. (*Nymphaea reniformis* DC. in Gray.) Tuberous white water-lily. White water-lily. Water-lily. Tuber-bearing water-lily. Pond-lily. In ponds and slow streams. Very plentiful in Sarnia Bay, Lambton county, Ontario.

CERATOPHYLLACEÆ. HORNWORT FAMILY.

442. *Ceratophyllum demersum* L. Hornwort. Horn-weed. Morass-weed. In ponds and slow streams. Also in Lambton county, Ontario.

MAGNOLIACEÆ. MAGNOLIA FAMILY.

443. *Liriodendron tulipifera* L. Tulip-tree. White-wood. White poplar. Yellow poplar. Hickory poplar. Cucumber-tree. Magnolia. Poplar. Wild poplar. Canoe-wood. Lyre-tree. Saddle-leaf. Saddle-tree. Fiddle-back tree. Tulip-poplar. Blue poplar. Popple. Old wife's-shirt tree. Basswood. Ko-yen-ta-kah-ta, that is, white tree (Onondago Indians N. Y.). A medicinal plant. Frequent on the east side of the county near the lake and river shore. Several beautiful trees in Lakeside Park. It is reported by lumbermen that this tree was formerly abundant throughout the county. In Michigan this tree is known among lumbermen as whitewood. Also in Lambton county, Ontario. A large and beautiful tree. The lumber good and becoming scarce. Wood soft, yellowish or brownish and sap-wood nearly white. Weight of wood per cubic foot 26 lbs.

RANUNCULACEÆ. CROWFOOT FAMILY.

444. *Hydrastis canadensis* L. Orange-root. Golden seal. Yellow paint-root. Yellow-root. Yellow puccoon. Ground-raspberry. Eye-root. Indian-dye. Yellow indian-paint. Indian-paint. Tumeric-root. Indian tumeric. Ohio curcuma. Eye-balm. Yellow-eye. Jaundice-root. A medicinal plant. In rich woods along Black river above and below Beard's mill. Occasionally found in other localities. Also in Lambton county, Ontario. T. C. Wheatley.
445. *Caltha palustris* L. Marsh-marigold. Meadow-gowan. Goods. Open-gowan. Water-gowan. May-blobs. Coltsfoot. Coltsroot. Crow-foot. Crazy-bet. Great butter-flower. Boots. Bull-flower. Spring cowslip. Capers. Cow-lily. Cow-slops. Meadow buttercup. Mire-blobs. Water-goggles. Drunkards. Cowslips. American cowslip. Horse-blob. Meadow-bouts. Water-blob. Water-dragon. Palsy-root. King-cups. Common in marshes, swamps, and wet woods. Also in Lambton county, Ontario. Often gathered for "greens" and cooked the same as spinach.
446. *Coptis trifolia* (L.) Salisb. Gold-thread. Canker-root. Yellow-root. Three-leaved gold-thread. Mouth-root. Coptide. Gelbenleßwurzel. A medicinal plant. Common in damp woods and swamps. Also in Lambton county, Ontario.
- 446-a. *Paeonia officinalis* Retz. Common peony. Peony. Piny. Double peony. Paeonia. From the Old World. A medicinal plant. Frequently found in old yards and gardens, but not persistent.
447. *Actæa rubra* (Ait.) Willd. (*Actæa spicata rubra* Ait. in Gray.) Red baneberry. Red cohosh. Poison-berry. Snake-root. Red-berry snake-root. Red-berry. Grapewort. Toad-root. Black cohosh. Cohosh. Coral-and-pearl. Snake-berry. A medicinal plant. Frequent in rich woods throughout the county. Also in Lambton county, Ontario. Fruit red. When in bloom this and the following plant look much alike.
448. *Actæa alba* (L.) Mill. White baneberry. White cohosh. Blue cohosh. Cohosh. Necklace-weed. White-beads. Grapewort. White berry snake-root. A medicinal plant. Frequent in damp woods. Also in Lambton county, Ontario. Fruit white.

449. *Aquilegia canadensis* L. Wild columbine. Columbine. Red columbine. Honey-suckle. Bells. Jack-in-trousers. Capon's-tail. Jacket-and-breeches. Rock-lily. Cluckies. Meeting-houses. Common in dry ground. Also in Lambton county, Ontario. A beautiful plant.
- 449-a. *Aquilegia vulgaris* L. European columbine. Columbine. Garden columbine. Common garden columbine. Snap-dragon. Cocksfoot. Lady's-shoes. Culver-wort. Blue-bells. From Europe. Frequent in old yards and gardens, but not persistent or escaping in this locality.
- 449-b. *Delphinium consolida* L. Field larkspur. Knight's-spur. Dolphin-flower. Lark-heel. Larkspur. Branched larkspur. Branching larkspur. Garden larkspur. King's consound. Stavesacre. Lark's-claw. Lark-heel. Staggerweed. From Europe. A medicinal plant. In old yards, old gardens, and sometimes in streets and fields, yet it does not seem to persist in this locality.
450. *Anemone cylindrica* A. Gray. Long-fruited anemone. Indian anemone. Anemone. In dry and poor ground, mostly in the northeast part of the county and about the city of Port Huron. Also in Lambton county, Ontario.
451. *Anemone virginiana* L. Tall anemone. Thimble-weed. Virginia anemone. Wind-bloom. Anemone. Summer anemone. In open woods throughout the county. Also in Lambton county, Ontario.
452. *Anemone canadensis* L. (*Anemone pennsylvanica* L. in Gray.) Canada anemone. Pennsylvania anemone. Round-headed anemone. Round-leaved anemone. Crowfoot. Anemone. Common in low and damp ground. Also in Lambton county, Ontario.
453. *Anemone quinquefolia* L. (*Anemone nemorosa* L. Gray.) Wind-flower. Wood anemone. Red wind-flower. American anemone. Wild cucumber. Mayflower. Snow-drops. Wild jasmine. Thimble-weed. Wood-flower. Anemone. Very common in damp woods and places. Also in Lambton county, Ontario.
454. *Hepatica hepatica* (L.) Karst. (*Hepatica triloba* Chaix. in Gray.) Round-lobed liver-leaf. Kidney liver-leaf. Liver-leaf. Round-lobed hepatica. Hepatica. Squirrel-cup. Heart liverwort. Noble liverwort. Spring-beauty. Mouse-ears. Mayflower. Trefoll. Golden-trefoil. Ivy-flower. Herb-trinity. Kidney liverwort. Liverwort. Crystalwort. Liver-moss. Liver-weed. Three-leaf liverwort. A medicinal plant. Common in woods. Plentiful along Black river below Beard's mill. Also in Lambton county, Ontario.
455. *Hepatica acuta* (Pursh.) Britton. (*Hepatica acutiloba* DC. in Gray.) Sharp-lobed liver-leaf. Heart liver-leaf. Sharp-lobed hepatica. Liver-leaf. Hepatica. Pass blumies. Mayflower. Spring beauty. Usually in beech and maple woods. The prevailing form in woods near North street. Plentiful along Black river below Beard's mill. The leaves of this and the preceding plant remain green through the winter. A pretty house and yard plant. Also in Lambton county, Ontario.
456. *Clematis virginiana* L. Virginia virgin's-bower. Virgin's-bower. Common virgin's-bower. Devil's hair. Woodbine. Love-vine. Wildhops. Old man's beard. Traveller's joy. Devil's darning needle. Virginia clematis. Common in low bushy places and along streams. Also in Lambton county, Ontario. A beautiful vine in bloom and in fruit.
457. *Ranunculus delphinifolius* Torr. (*Ranunculus multifidus* Pursh. in Gray.) Yellow water-crowfoot. Water-crowfoot. Crowfoot. In ponds, ditches, and slow streams, usually growing in water. Also in Lambton county, Ontario. Flowers large and yellow.
458. *Ranunculus reptans* L. (*Ranunculus flammula reptans* E. Meyer. in Gray.) Creeping spearwort. Spearwort. Along the sandy bank of the north branch of St. Clair river near Algonac.
459. *Ranunculus obtusiusculus* Raf. (*Ranunculus ambigens* Wat. in Gray.) Water-plantain spearwort. Spearwort. Found near Adair by A. F. Foerste. I have not been able to find it.
460. *Ranunculus ovalis* Raf. (*Ranunculus rhomboideus* Goldie, in Gray.) Prairie-crowfoot. Crowfoot. In poor and dry ground near Algonac. Also in Lambton county, Ontario.
461. *Ranunculus abortivus* L. Kidney-leaved crowfoot. Small-flowered crowfoot. Crowfoot. Smooth crowfoot. Chicken-pepper. In damp woods and wet ground. Flowers not conspicuous. Also in Lambton county, Ontario.
462. *Ranunculus sceleratus* L. Celery-leaved crowfoot. Ditch crowfoot. Cursed crowfoot. Marsh crowfoot. Buttercup. Crowfoot. Blister-wort. Water-celery. Biting crowfoot. Water crowfoot. Common in ponds, ditches, and swamps. Also in Lambton county, Ontario.
463. *Ranunculus recurvatus* Poir. Hooked crowfoot. Hook-styled crowfoot. Crowfoot. Rough crowfoot. In rich and damp woods. Also in Lambton county, Ontario.

464. *Ranunculus acris* L. Tall buttercup. Meadow buttercup. Kingcup. Crowfoot buttercup. Gold cup. Globe amaranth. Butter-daisy. Tall crowfoot. Crowfoot. Blister-plant. Butter-cresses. Burwort. Buttercup. Bachelor's buttons. Horse-gold. Blisterweed. Goldcups. Yellow-weed. Yellow-gowan. Blister flowers. Butter-flowers. Common meadow buttercup. Cuckoo flower. From Europe. In roads and fields. Becoming a bad weed in pastures. Also in Lambton county, Ontario. Flowers large and yellow.
465. *Ranunculus pennsylvanicus* L. f. Bristly buttercup. Bristly crowfoot. Crowfoot. Buttercup. In marshes and wet ground. Also in Lambton county, Ontario.
466. *Ranunculus repens* L. Creeping buttercup. Common crowfoot. Horse-gold. Golden-knobs. Stiffest. Gold-balls. Gold-knobs. Ram's-claws. Butter-daisy. Butter-cresses. Spotted-leaf buttercup. Crowfoot. Buttercup. Yellow-gowan. Introduced probably from Europe. Frequent in the yards and streets of the city of Port Huron. First noticed in the yard of Dr. F. W. Reed in 1896. Stems creeping and flowers large and yellow.
467. *Ranunculus septentrionalis* Poir. Swamp buttercup. Marsh buttercup. Crowfoot. Buttercup. Creeping buttercup. Creeping crowfoot. In wet woods and swamps. Very variable. Flowers large and yellow. Also in Lambton county, Ontario.
468. *Ranunculus fascicularis* Muhl. Early buttercup. Tufted buttercup. Crowfoot. Buttercup. Bundle-rooted buttercup. Cowslip. Early crowfoot. In woods near Algonac. Rare. Plentiful on Walpole Island, Kent county, Ontario.
469. *Batrachium divaricatum* (Schrank.) Wimm. (*Ranunculus circinatus* Sibth. in Gray.) Stiff white water-crowfoot. Water-crowfoot. Stiff water-crowfoot. Along Belle and Pine rivers in pools of water. Generally in ponds and slow streams. Plentiful in Sarnia Bay and in ditches leading into it, Lambton county, Ontario.
470. *Thalictrum dicicum* L. Early meadow-rue. Shining grass. Meadow-rue. Quick-silver-weed. Poor-man's-rhubarb. Feathered columbine. Common in woods. Also in Lambton county, Ontario.
471. *Thalictrum purpurascens* L. Purplish meadow-rue. Wax-leaved meadow-rue. Tall meadow-rue. Meadow-rue. In swamps, marshes, edges of woods, and along streams. Also in Lambton county, Ontario.

BERBERIDACEÆ. BARBERRY FAMILY.

- 471½. *Berberis vulgaris* L. European barberry. Pepperidge-bush. Barberry. Common barberry. Snowberry. Jaundice-berry. Jaundice-tree. Wood-sour. Pepperidge. Piperidge-bush. Epinevinette. Saurach. A medicinal plant. From Europe. Planted in yards and gardens, but escaping and growing wild on the bank of St. Clair river in front of McGregor's place, below the city of St. Clair.
472. *Caulophyllum thalictroides* (L.) Michx. Blue cohosh. Squaw-root. Blue-berry. Blue-berry-root. Pappoose-root. Blue ginseng. Yellow ginseng. A medicinal plant. Common in rich woods. Plentiful near North street, and along Black river above and below Beard's mill. Also in Lambton county, Ontario.
473. *Jeffersonia diphylla* (L.) Pers. Twin-leaf. Rheumatism-root. Ground-squirrel-pea. Squirrel-pea. Helmet-pod. Twin-leaf-root. Yellow-root. A medicinal plant. In Atkins' woods, section 13, township of Clyde. Only locality known.
474. *Podophyllum peltatum* L. May-apple. Wild mandrake. Wild lemon. Hog-apple. Mandrake. Mandrake-pear. American mandrake. Raccoon-berry. Yellow-berry. Indian-apple. Duck's-foot. Devil's-apple. Ground-lemon. Fussblattwurz. A medicinal plant. Very common in open and damp woods. Also in Lambton county, Ontario.

MENISPERMACEÆ. MOONSEED FAMILY.

475. *Menispermum canadense* L. Canada moonseed. Yellow parilla. Sarsaparilla. Moonseed. Yellow sarsaparilla. Moonseed-root. Vine-apple. Texas sarsaparilla. A medicinal plant. In low bushy ground and along streams. Also in Lambton county, Ontario. A pretty vine, seldom producing fruit in this locality.

LAURACEÆ. LAUREL FAMILY.

476. *Sassafras sassafras* (L.) Karst. (*Sassafras officinale* Nees, in Gray.) Sassafras. Sassafras tree. Ague-tree. Sassafras bark. Cinnamon-wood. Smelling stick. Saloop. Saxifrax. Saxifrax tree. Sassafac. Sassafrac. Gumbofile (Negro dialect in Louisiana.) Wah-eh-nah-kas, that is, "smelling stick" (Onondaga Indians N. Y.) A medicinal plant. Common throughout the county. Also in Lambton county, Ontario. The flowers appear before the leaves. It is said that this tree attains a height of 125 feet, and a trunk diameter of seven feet, but it is not so large here. Root largely used for the aromatic oil. Wood soft, weak, durable, brittle and of an orange color. Weight 31 pounds per cubic foot.

477. *Benzoin benzoin* (L.) Coulter. (*Lindera benzoin* Blume. in Gray.) Spice-bush. Benjamin-bush. Feverbush. Wild allspice. Spice-wood. Snap-wood. Fever-wood. Snap-weed. Spice-wood bark. Laurier benzoin. Benzoslorbeer. A medicinal plant. Common in moist woods and thickets and along streams. Also in Lambton county, Ontario. Flowers appear early and long before the leaves. A shrub from four to twenty feet high.

PAPAVERACEÆ. POPPY FAMILY.

- 477-a. *Papaver somniferum* L. Opium poppy. Garden poppy. Common poppy. Poppy. Bawwort. Cheese-bowl. Joan silver-pin. Black poppy. Blue poppy. Mawseed. A medicinal plant. From Europe. Often remaining a short time in old yards and gardens, but not persisting. This is the plant from which opium is obtained.
- 477-b. *Argemone mexicana* L. Mexican poppy. Prickly poppy. Bird-in-the-bush. Flowering thistle. Devil's-fig. Jamaica yellow thistle. Thorn-poppy. Yellow thistle. From tropical America. Occasionally found in the streets of the city of Port Huron, but not persisting.
478. *Sanguinaria canadensis* L. Bloodroot. Red puccoon. Indian red-paint. Puccoon. Red-root. Indian-paint. Red paint-root. Tetterwort. Puccoon-root. Pauson. Snake-bite. Sweet-slumber. Puccoon-mot. Coon-root. White puccoon. Blut-wurzel. A medicinal plant. In rich woods. Plentiful near North street and also along Black river from the city of Port Huron to Beard's mill. Also in Lambton county, Ontario.
479. *Bicuculla cucullaria* (L.) Millsp. (*Dicentra cucullaria* DC. in Gray.) Dutchman's breeches. Soldier's cap. Monkshood. Colic-weed. White ear-drop. Little-boy's-breeches. Breeches-flower. Boys-and-girls. Ladies and gentlemen. Kitten breeches. Indian boys and girls. White hearts. Ear-drops. In rich woods below Beard's mill. Only locality known.
480. *Bicuculla canadensis* (Goldie) Millsp. (*Dicentra canadensis* DC. in Gray.) Squirrel-corn. Canadian dutchman's breeches. Colic-weed. Ladies and gentlemen. Girls-and-boys. Wild hyacinth. Turkey-pod. Turkey-pea. Turkey-corn. Wild turkey-pea. Stagger-weed. A medicinal plant. Frequent throughout the county.
- 480-a. *Dicentra spectabilis* DC. Showy dicentra. Bleeding heart. Dielytra. Love-lies-bleeding. Ear-drops. Lady's ear-drops. Lady-in-a-boat. Diethra. Often remaining in old yards and gardens, but not persisting.
481. *Adlumia fungosa* (Alt.) Greene. (*Adlumia cirrhosa* Raf. in Gray.) Climbing fumitory. Mountain fringe. Alleghany vine. Fairy-creeper. Cypress-vine. Alleghany fringe. Wood-fringe. Canary vine. Occasionally found in woods near the lake shore, about one mile above Huronia Beach. Only locality known at present. Reported to have been very abundant formerly in edge of woods fringing the lake shore. Forest fires have nearly extinguished it. Also in Lambton county, Ontario.
482. *Capsoides sempervirens* (L.) Bork. (*Corydalis glauca* Pursh. in Gray.) Pink corydalis. Roman wormwood. Pale corydalis. On dry ground in the cemetery at Ruby, and occasionally in other localities.

CRUCIFERÆ. MUSTARD FAMILY.

483. *Lepidium campestre* (L.) R. Br. Field cress. Cow-cress. Glenn-weed. Glenn-pepper. English pepper-grass. Bastard-cress. False-flax. Crowd-weed. Yellow weed. Mithridate mustard. Poorman's pepper. From Europe. First noticed as a weed in the streets of the city of Port Huron in 1897.
484. *Lepidium virginicum* L. Wild pepper-grass. Pepper-grass. Wild pepper-cress. American watercress. Tongue-grass. Pepperwort. Bird's-pepper. Pepper-cress. In streets, roads, and fields as a weed. Also in Lambton county, Ontario. This and the following plant look much alike.
485. *Lepidium apetalum* Willd. (*Lepidium intermedium* Gray in Gray.) Apetalous pepper-grass. Pepper-grass. Pepperwort. Wild pepper-grass. Wild tongue-grass. Apparently from Europe. In streets, roads, and fields as a weed. Also in Lambton county, Ontario.
486. *Lepidium sativum* L. Garden pepper-grass. Town pepper-grass. Golden pepper-grass. Garden pepper-cress. Town pepper-cress. Golden pepper-cress. Pepper-grass. Tongue-grass. American water-cress. Pepperwort. Pepper-cress. Cress. Sauce-alone. Garden-cress. Poor man's pepper. From Europe. Often cultivated. First noticed as a weed in the streets of the city of Port Huron in 1897.
487. *Thlaspi arvense* L. Field penny-cress. Bastard cress. Mithridate mustard. Treacle mustard. Penny-cress. Dish-mustard. Treaclewort. From Europe. First noticed as a weed along the Chicago & Grand Trunk Railway in 1897. Also in Lambton county, Ontario.

488. *Sisymbrium officinale* (L.) Scop. Hedge mustard. Common hedge mustard. Hedge-weed. Scrambling rocket. California mustard. Bank-cress. English water-cress. Thalictrac. From Europe. A common weed in streets, roads, gardens, and fields. Also in Lambton county, Ontario.
489. *Sisymbrium altissimum* L. Tall sisymbrium. Tumble mustard. From Europe. Found frequently along the C. & G. T. R., especially at the freight yards above the Tunnel Station, and near the elevators in the city of Port Huron. Also in Lambton county, Ontario. A pernicious weed in the northwest, where it becomes a tumble-weed. It was brought here from the west by the railway.
490. *Cakile edentulata* (Bigel) Hook. (*Cakile americana* Nutt. in Gray.) American sea rocket. Sea cole. Sea rocket. Along the sandy shore of Lake Huron and St. Clair river. Also in Lambton County, Ontario.
- 490-a. *Iberis umbellata* L. Common candytuft. Candytuft. From the Old World. Often escaping from yards and gardens but not persisting.
- 490-b. *Iberis coronaria* Don. Rocket candytuft. Candytuft. From the Old World. Often escaping from yards and gardens but not persisting.
491. *Brassica nigra* (L.) Koch. Black mustard. Mustard. Black mustard seed. Red mustard. Scurvy. Kerlock. Cadlock. Warlock. Senvie. From Europe. Found in streets, roads, and fields. Not so common as the following.
492. *Brassica arvensis* (L.) B. S. P. (*Brassica sinapistrum* Boiss. in Gray.) Charlock. Wild mustard. Mustard. English charlock. Yellow-flower. Bastard rocket. Common mustard. Kerlock. Runch. Water-cress. Crowd-weed. Kraut-weed. Corn mustard. Chadlock. Corn-kale. Field-kale. Curlock. Kedlock. Wild radish. From Europe. A common and bad weed in grain fields. Also in Lambton county, Ontario. This is a bad weed in our locality.
- 492-a. *Brassica campestris* L. Turnip. Wild navev. Coleseed. Summer rape. Swedish turnip. Ruta-baga. Bargeman's cabbage. Nape. Rape-seed. Colza. From Europe. Sometimes remaining in gardens and fields, but not persisting.
- 492-b. *Brassica oleracea* L. Cabbage. The original plant is from the seacoast of Europe and has gradually been changed into its present form through cultivation. Our common cabbage of the gardens little resembles the original plant from which it came. Many other quite permanent and useful forms have been produced by careful cultivation. Among them are cauliflower, broccoli, kohlrabi, kale, and brussels sprouts. Cabbage and its various forms are found only in gardens and do not escape. In some parts of Europe cabbage is largely grown for pasture, and as an autumn food for stock it is far superior to turnips.
- 492-c. *Brassica napus* L. Rape. Frequently sown for fodder. Not escaping or persisting. This has been extensively cultivated in the northern United States and Canada. Rape when fed to cows increases the flow of milk and there is less danger of tainting the milk with this plant than with turnips or turnip tops. There is considerable danger in turning hungry sheep or cattle into a field of rape because of a liability to bloat.
- 492-d. *Brassica rapa* L. Turnip. Common turnip. In gardens and fields, but not spreading.
- 492-e. *Raphanus sativus* L. Radish. Common radish. In gardens and frequently escaping to streets and roads, but not persisting.
- 492-f. *Raphanus raphanistrum* L. Wild radish. Jointed charlock. Warlock. Skedlock. Occasionally found in streets and roads, but not persistent. Said to be a pernicious weed in some localities.
493. *Barbarea barbarea* (L.) MacM. (*Barbarea vulgaris* R. Br. in Gray.) Yellow rocket. Yellow cress. Winter cress. Winter-rocket. Wound rocket. Bitter cress. Rocket-cress. Winter water-cress. Herb-barbarea. Yellow-rocket herb. Yellow bitter-cress. Herb of St. Barbara. From Europe. In fields and along Black river. Also in Lambton county, Ontario.
494. *Roripa palustris* (L.) Bess. (*Nasturtium palustre* DC. in Gray.) Marsh water-cress. Yellow water-cress. Marsh-cress. In ditches, very wet places, and shallow streams. Also in Lambton county, Ontario.
495. *Roripa hispida* (Desv.) (*Nasturtium palustre hispidum* Gray in Gray). Hispid yellow-cress. Yellow-cress. Growing in wet places. Not so frequent as the preceding.
496. *Roripa nasturtium* (L.) Rusby. (*Nasturtium officinale* R. Br. in Gray.) Water-cress. True watercress. Brooklime. Crashes. Brown-cress. Water-grass. Well-grass. English water-cress. Water-rocket. Water-radish. Thalictrac. Hedge-mustard. Nasturtium. Nasturtion. From Europe. In ditches, brooks, streams and shallow water. Very abundant in the small streams and ditches about Port Huron. Also in Lambton county, Ontario.

497. *Roripa armoracia* (L.) A. S. Hitchcock. (*Nasturtium armoracia* Fries. in Gray.) Horseradish. Ralfort sauvage. Meerrettig. A medicinal plant. From Europe. I have found this growing wild in old gardens, in marshes, ditches, streets, roads, and fields. Also in Lambton county, Ontario. This plant is now being cultivated as a crop, and its use as a table relish is on the increase.
498. *Cardamine pratensis* L. Meadow bitter-cress. Cuckoo-flower. May-flower. Smick smock. Cuckoo-spit. Milk-maids. Spink. Ladies' smock. Frequent in shallow water, wet meadows, swamps, and along the edges of slow streams. Also in Lambton county, Ontario. The leaflets drop off easily from the root leaves, and it is said that these leaflets float away and become plants.
499. *Cardamine pennsylvanica* Muhl. Pennsylvania bitter-cress. Land-cress. Lamb's-cress. In ditches, shallow streams, ponds, swamps, and wet places. Also in Lambton county, Ontario.
500. *Cardamine purpurea* (Torr.) Britton. (*Cardamine rhomboidea purpurea* Torr. in Gray.) Purple cress. Spring-cress. Mountain water-cress. Bitter-cress. In rich and damp woods. It blooms from two to three weeks earlier than the following. Also in Lambton county, Ontario.
501. *Cardamine bulbosa* (Schreb.) B. S. P. (*Cardamine rhomboidea* DC. in Gray.) Bulbous cress. Spring-cress. Bitter-cress. In marshes, wet meadows, and thickets. Flowers white. Also in Lambton county, Ontario.
502. *Dentaria laciniata* Muhl. Cut-leaved toothwort. Cut-leaved pepper-root. Pepper-root. Purple-flowered toothwort. Crow's-foot. Lacinate toothwort. Toothwort. Crow-toes. Crowfoot. On flats along streams. Plentiful along Black river and Mill creek. Also in Lambton county, Ontario.
503. *Dentaria diphylla* Michx. Two-leaved toothwort. Crinkle-root. Tooth-root. Toothwort. Trickle. Pepper-root. Common in rich woods and damp ground. The root has a pleasant cress-like taste. Also in Lambton county, Ontario.
504. *Dentaria maxima* Nutt. Large toothwort. Toothwort. In rich and mellow ground near the bluff below Beard's mill. Only locality known.
505. *Bursa bursa-pastoris* (L.) Britton. (*Capsella bursa-pastoris* Moench. in Gray.) Shepherd's-purse. St. James' weed. Case-weed. Mother's-heart. Common shepherd's-purse. Witches' purses. Wind-flower. Lady's-purse. Toothwort. Pepper-grass. Shovel-weed. Pickpocket. Pepper-plant. Cocowort. Pick-purse. Toywort. Poor man's pharmacetty. Hirtentäschlein. A medicinal plant. From Europe. A common weed in gardens, streets, roads, and fields. Also in Lambton county, Ontario.
506. *Camelina sativa* (L.) Crantz. Gold-of-pleasure. False flax. False wild flax. Wild flax. Siberian oil-seed. Cheat. Dutch-flax. Madwort. First noticed as a weed in the streets of the city of Port Huron in 1897.
507. *Draba caroliniana* Walt. Carolina whitlow-grass. Whitlow-grass. In sand near the lake shore. Also in Lambton county, Ontario.
508. *Draba memorosa* L. Wood whitlow-grass. Whitlow-grass. Said to have been collected some years ago at Fort Gratiot, now a part of the city of Port Huron, by Dr. Pitcher, but I have not been able to find it.
509. *Arabis lyrata* L. Lyre-leaved rock-cress. Rock-cress. Low rock-cress. In light and sandy ground, especially along the lake shore. Also in Lambton county, Ontario.
510. *Arabis laevigata* (Muhl.) Poir. Smooth rock-cress. Rock-cress. Plentiful along the high banks of Black river. Also in Lambton county, Ontario.
511. *Arabis canadensis* L. Sickie-pod. Canadian rock-cress. Rare in St. Clair county. Plentiful northeast of Sarnia, Lambton county, Ontario. T. C. Wheatley.
512. *Arabis glabra* (L.) Bernh. (*Arabis perfoliata* Lam. in Gray.) Tower mustard. Tower-cress. Frequent in dry ground. Plentiful at Kettle point, Lambton county, Ontario.
- 512½. *Erysimum inconspicuum* (S. Wats.) MacM. Small *erysimum*. *Erysimum*. On dry ground in roads, fields, and along railroads. From the northwest and liable to become a troublesome weed. Also in Lambton county, Ontario.
513. *Erysimum cheiranthoides* L. Wormseed mustard. Treacle mustard. Tarrify. Along streams, banks of ditches, and in fields. Becoming a weed in oat fields. Also in Lambton county, Ontario.
514. *Alyssum alyssoides* (L.) Gouan. (*Alyssum calycinum* L. in Gray.) Yellow alyssum. Small alyssum. Alyssum. Lately becoming a weed in the streets and gardens of the city of Port Huron. Also in Lambton county, Ontario.

SARRACENIACEÆ. PITCHER-PLANT FAMILY.

515. *Sarracenia purpurea* L. Pitcher-plant. Side-saddle flower. Huntsman's-cup. Indian-cup. Indian dipper. Indian teakettle. Foxgloves. Whippoorwill's shoes. Meadow-cup. Father's pitcher. Whippoorwill's boots. Skunk-cabbage. Adam's cup. Indian-pitcher. Watches. Fever-cup. Forefather's-cup. Dumb watches. *Sarracenia*. Small-pox plant. Eve's cup. Saddle plant. Side-saddle plant. Fly-trap. Watercup. *Sarracenia*. A medicinal plant. In very wet and boggy ground, and in borders of tamarack swamps. Formerly found within the limits of the city of Port Huron, but now extinct. Plentiful in the swamps of Mussey and Lynn, but fast disappearing on account of drainage. Also in Lambton county, Ontario.

DROSERACEÆ. SUNDEW FAMILY.

516. *Drosera rotundifolia* L. Round-leaved sundew. Sundew. Dew-plant. Rosa-solis. Moor-grass. Red-root. Eyebright. Long-leaved sundew. Dew-plant. Lustwort. Youthwort. Long sundew. A medicinal plant. In boggy ground near the lake shore about two miles above Lakeport. Only locality known. The leaves of this plant are covered with glandular hairs which secrete a clear and sticky fluid that entraps small insects. After the insect is caught, the leaf curls around and devours it.

CRASSULACEÆ. ORPINE FAMILY.

517. *Sedum telephium* L. Orpine. Liveforever. Livelong. Aaron's rod. Midsummer-men. Garden orpine. Garden stonecrop. Life-of-man. Witches' money-bags. Witches' money. Evergreen. Everlasting. Frog's-mouth. Bag-leaves. Frog's-bladder. Pudding-bag plant. Leeks. Frog-plant. Frog's throats. Orpine livelong. From Europe. Remaining in cemeteries, yards, and gardens, and spreading to streets, roads, fields, and woods. It blooms sparingly, but spreads freely by its joints. Also in Lambton county, Ontario.
518. *Sedum acre* L. Wall-pepper. Biting stonecrop. Mossy stonecrop. Bird's-bread. Creeping-jack. Creeping-charlie. Wall-moss. Pepper-crop. Pricket. Golden-moss. Little houseleek. Gold-chain. Gilt-cups. Mountain moss. Tall moss. Poor man's pepper. Tangle-tail. Rock-plant. English moss. Stonecrop. Prick madam. Love-entangled. Treasure-of-love. Small house-leek. Jack of the buttry. In yards, gardens, cemeteries, roads, and streets. It sometimes covers the ground completely like thick moss. Flowers yellow. Also in Lambton county, Ontario.
- 518-a. *Sempervivum tectorum* L. Houseleek. Homewort. Sengreen. Thunder plant. Hen-and-chickens. Common houseleek. Aye-green. Healing-blade. Jupiter's-beard. Bullock's-eye. Jupiter's eye. Aaron's rod. From Europe. Sometimes remaining for a while in yards and gardens, but not spreading. It seldom blooms.
519. *Penthorum sedoides* L. Ditch stonecrop. Stonecrop. Virginia stonecrop. A medicinal plant. Common in ditches, swamps, and wet places. Also in Lambton county, Ontario.

SAXIFRAGACEÆ. SAXIFRAGE FAMILY.

520. *Tiarella cordifolia* L. Coolwort. False mitrewort. Nancy-over-the-ground. White-coolwort. Mitrewort. Gem-fruit. Foam-flower. In rich damp woods. Also in Lambton county, Ontario. A beautiful plant.
521. *Mitella diphylla* L. Two-leaved bishop's cap. Mitrewort. Bishop's cap. Common mitrewort. False sanicle. Currant-leaf. Fringe-cup. Fairy-cup. Common in rich woods. Also in Lambton county, Ontario. A beautiful plant.
522. *Mitella nuda* L. Stoloniferous bishop's cap. Naked bishop's cap. Mitrewort. Coolwort. Naked-stalked mitrewort. A medicinal plant. In swamps and wet woods. Plentiful west of Huronia Beach. A delicate and beautiful plant noticed by few. Also in Lambton county, Ontario.
523. *Chrysosplenium americanum* Schwein. Golden saxifrage. Water carpet. Saxifrage. In wet and shaded places. Also in Lambton county, Ontario.
524. *Parnassia caroliniana* Michx. Carolina grass-of-parnassus. Grass-of-parnassus. Frequent in marshes and swamps. Also in Lambton county, Ontario.
- 524-a. *Philadelphus inodorus* L. Scentless. syringa. Syringa. Remaining for sometime in old yards and gardens, but not persisting. Native farther south and east.
- 524-b. *Philadelphus coronarius* L. Garden syringa. Mock orange. Syringa. False syringa. Orange-flower tree. From Europe. Often remaining in old yards and gardens, but not persisting.

GROSSULARIACEÆ. GOOSEBERRY FAMILY.

525. *Ribes cynosbati* L. Wild gooseberry. Prickly wild gooseberry. Gooseberry. Dogberry. Prickly gooseberry. Shab-bo-min (Indians). In damp woods and thickets. Fruit prickly. Also in Lambton county, Ontario.
526. *Ribes oxyacanthoides* L. Hawthorn gooseberry. Northern gooseberry. Gooseberry. Smooth gooseberry. Sha-bo-min (Indians). In wet woods and thickets. Fruit smooth. Also in Lambton county, Ontario.
- 526-a. *Ribes grossularia* L. European gooseberry. Gooseberry. Common gooseberry. Garden gooseberry. Industry. Crown bob. Planted in gardens, but not escaping.
527. *Ribes floridum* L'Her. Wild black currant. Black currant. Quinsy-berry. Common in damp woods and thickets. Also in Lambton county, Ontario.
528. *Ribes rubrum* L. (*Ribes rubrum subglandulosum* Maxim. in Gray.) Red currant. Common red currant. Currant. Garden currant. Garnet-berry. Raisin-tree. Wine-tree. Wine-berry. Common in wet woods and swamps. The garden variety has also escaped in many places. Also in Lambton county, Ontario. To the garden variety the following common names are often applied. Prince Albert. Cherry. Fay prolific. Long bunch. Holland. London red. Red dutch. Red grape. Versailles. Victoria. White dutch. White grape.
- 528-a. *Ribes nigrum* L. Garden black currant. Black currant. Common black currant. Champion. English. Naples. Prince of Wales. From Europe. Often planted in gardens, but not escaping.
- 528-b. *Ribes aureum* Pursh. Golden currant. Buffalo currant. Missouri currant. Flowering currant. Clove-currant. From the West. Often remaining in old yards and gardens, but not persisting.

HAMAMELIDACEÆ. WITCH HAZEL FAMILY.

529. *Hamamelis virginiana* L. Witch-hazel. Winter-bloom. Witch alder. Snapping alder. Striped alder. Snapping hazelnut. Spotted alder. Snapping hazel. Hazelnut. Tobacco-wood. Pistachio. Wild coffee (Local name in St. Clair county, Michigan). Oe-eh-nah-kwe-ha-he, that is, "Spotted stick," (Onondaga Indians N. Y.). A medicinal plant. Very common in woods and damp ground. The only wild plant we have that blooms in the fall. Also in Lambton county, Ontario. A shrub sometimes 25 feet high. Wood hard, light brown, and weight per cubic foot, 43 pounds.

PLATANACEÆ. PLANE-TREE FAMILY.

530. *Platanus occidentalis* L. Button-wood. Button-ball. Plane-tree. Button-ball tree. Water-beech. Sycamore. False sycamore. American plane-tree. Common in wet woods and along streams. Also in Lambton county, Ontario. Sometimes planted for ornament. One of our largest trees often 130 feet in height and trunk diameter 14 feet. Wood hard, weak, difficult to split, reddish-brown, and weight per cubic foot 35 pounds.

ROSACEÆ. ROSE FAMILY.

531. *Opulaster opulifolius* (L.) Kuntze. (*Physocarpus opulifolius* Maxim. in Gray.) Ninebark. Frequent on low ground and along streams. Also in Lambton county, Ontario.
532. *Spiraea salicifolia* L. Willow-leaved meadow-sweet. American meadow-sweet. Meadow-sweet. Bride-wort. Aaron's beard. Spice hardhack. Queen's needlewort. Mock-willow. Quaker lady. Queen-of-the-meadow. Common in swamps, low ground, along streams, around ponds and edges of marshes. Also in Lambton county, Ontario.
- 532-a. *Spiraea sorbifolia* L. *Spiraea*. From Siberia. Planted in yards and gardens, but not escaping in this locality.
- 532-b. *Spiraea hypericifolia* DC. Italian may. St. Peter's wreath. May-wreath. From Asia. Planted in yards and gardens, but not escaping.
533. *Rubus odoratus* L. Purple-flowering raspberry. Virginia raspberry. Thimbleberry. Scotch-caps. Mulberry. Rose-flowering raspberry. Common in the northern and eastern parts of the county. Also in Lambton county, Ontario. Flowers large and look like roses.
534. *Rubus strigosus* Michx. Wild red raspberry. Red raspberry. Raspberry. Mulberry. A medicinal plant. Very common in dry ground. Also in Lambton county, Ontario. This is the original of the cuthbert and hansall raspberries.

535. *Rubus occidentalis* L. Black raspberry. Thimbleberry. Scotch-cap. Purple raspberry. Wild raspberry. Black-cap. Blackberry. Mostly in damp woods and thickets. Also in Lambton county, Ontario. This is the original of the gregg, hilborn, and other black raspberries.
536. *Rubus americanus* (Pers.) Britton. (*Rubus triflorus* Richard. in Gray.) Dwarf raspberry. Mulberry. Dewberry. Plumbog. Missey moosey. Running raspberry. Pigeon-berry. Swamp berry. Common in swamps and wet woods. Also in Lambton county, Ontario. Fruit consisting of a few grains and seldom noticed.
537. *Rubus villosus*. Ait. High bush blackberry. Sow-tit. Finger-berry. Thimbleberry. Blackberry. Common blackberry. American blackberry. High blackberry. Dewberry. Cloud-berry. Bramble. A medicinal plant. In dry or damp ground. Also in Lambton county, Ontario.
538. *Rubus hispidus* L. Hispid blackberry. Running swamp blackberry. Swamp blackberry. In swamps and low ground. Also in Lambton county, Ontario. Fruit edible but small and of little account.
539. *Rubus Canadensis* L. Low running blackberry. Dewberry. Blackberry. Running blackberry. Low blackberry. Northern dewberry. Creeping blackberry. A medicinal plant. Common in damp or in dry and poor ground. Also in Lambton county, Ontario.
540. *Fragaria virginiana* Duchesne. Virginia strawberry. Scarlet strawberry. Strawberry. Wild strawberry. Common strawberry. Virginian wild red strawberry. O-dah-min (Indians). Our most common strawberry found growing in wet, dry, poor, or rich ground. Also in Lambton county, Ontario. The strawberry is a delicious fruit and has become a very important crop for gardeners near our large cities. Prof. L. H. Bailey in his late edition of Gray's Field, Forest, and Garden Botany, says that this strawberry is the original of several cultivated varieties now lost, that the strawberry known as *Fragaria vesca* L. yields the varieties known as alpine, perpetual, etc., that the "horticulturally modified form, comprising the common garden strawberries," is from a variety of *Fragaria chilensis* Gray called, "pine strawberry" native in Chile and along our Pacific coast. According to Bulletin No. 10, 1898, of the U. S. Department of Agriculture, the following varieties of strawberries are suitable to our locality: Bubach. Crescent. Cumberland. Charles downing. Eureka. Haverland. Jessie. Michel early. Miner. Princess. Sharpless. Warfield. Wilson. Varieties not adapted to our locality: Captain jack. Clark seedling. Everbearing. Monarch. Perry. Vlek. Wilson albany. Enhance. Gandy. Greenville. Jersey queen. Parker earle. Sandoval. Beder wood. Crawford. Longfellow. Thompson. Australian crimson. Burt. Cloud. Hoffman. Lady thompson. Neuman. I have also heard or seen the names, garden strawberry, tame strawberry, ananas, victoria, trollope, and rubis. It is said the best varieties have been produced by crossing the different species and varieties. The strawberry, so far as known, was not cultivated in ancient times, probably not earlier than the fifteenth century.
541. *Fragaria canadensis* Michx. Northern wild strawberry. Mountain strawberry. Wild strawberry. Strawberry. O-dah-min (Indians). In fields and meadows. I consider this doubtful for this locality.
542. *Fragaria americana* (Porter) Britton. American wood strawberry. Wild strawberry. Strawberry. O-dah-min (Indians). Feuille du fraisier sauvage. Erdbeerblatter. A medicinal plant. Common in woods and shaded places. Also in Lambton county, Ontario. I understand this to be the plant described by Gray under name, *Fragaria vesca* L.
543. *Potentilla argentea* L. Silvery cinquefoil. Hoary cinquefoil. Cinquefoil. Common in dry and poor ground. Also in Lambton county, Ontario.
544. *Potentilla monspeliensis* L. (*Potentilla norvegica* L. in Gray.) Rough cinquefoil. Norway cinquefoil. Barren strawberry. Cinquefoil. Common in damp or dry ground. Also in Lambton county, Ontario. Often a bad weed in fields. The seed of this plant is often found mixed with clover seed.
545. *Potentilla fruticosa* L. Shrubby cinquefoil. Hardhack. Cinquefoil. Prairie weed. In swamps, wet ground, and edges of marshes. Rare in this county, but common in Lambton county, Ontario.
546. *Potentilla anserina* L. Silver-weed. Wild tansy. Goose tansy. Goose-grass. Argentina. Silver-feather. Very common along the sandy shore of Lake Huron and St. Clair river. Less frequent in the interior of the county. Also in Lambton county, Ontario.
547. *Potentilla canadensis* L. Five-finger. Running buttercup. Sinkfield. Common five-finger. Star-flower. Cinquefoil. Cinquefoil herb. Cinquefoil-root. Finger-leaf. Common wild cinquefoil. Common five-finger. Wild cinquefoil. Wild five-finger. Common cinquefoil. Yellow strawberry (Local Jackson Co. Mich.). Quinte-feuille. Funfingerkraut. A medicinal plant. Common in damp or dry ground. Also in Lambton county, Ontario.

548. *Comarum palustre* L. (*Potentilla palustris* Scop. in Gray.) Purple cinquefoil. Marsh cinquefoil. Cinquefoil. Bog-strawberry. Purplewort. Purple marshlocks. Cow-berry. Marsh five-finger. Meadow-nuts. Common in swamps, marshes, and wet places. Also in Lambton county, Ontario.
549. *Waldsteinia fragarioides* (Michx.) Tratt. Barren strawberry. Dry strawberry. Yellow-flowered strawberry. On high ground near Beard's mill, and in township of Fort Gratiot. Very plentiful when found at all.
550. *Geum rivale* L. Purple avens. Water avens. Chocolate. Maiden-hair. Avens. Throat-root. Cure-all. Drooping-avens. Evans-root. Indian-chocolate. Chocolate-root. White avens-root. Bennett-root. Avens-root. A medicinal plant. Common in low ground and swamps. Also in Lambton county, Ontario.
551. *Geum vernum* (Raf.) T. & G. Spring avens. Early water avens. Water avens. Avens. In woods near the Oakland hotel at the city of St. Clair. Only locality known. Dr. A. E. Gurd.
552. *Geum canadense* Jacq. (*Geum album* Gmelin. in Gray.) White avens. Avens. Bennett-herb. Herb-bennett. Red-root. Common in damp woods and ground. Also in Lambton county, Ontario.
553. *Geum virginianum* L. Rough avens. White avens. Throat-root. Chocolate-root. Bennett. Bennett-herb. Cure-all. Herb-bennet. Frequent on low ground. Plentiful on banks of ditches along the C. & G. T. Railway. Also in Lambton county, Ontario.
554. *Geum strictum* Ait. Yellow avens. Field avens. Herb-bennet. Bennett-herb. Black-bur. In damp ground and swamps. Also in Lambton county, Ontario. Flowers yellow.
- 554-a. *Ulmaria rubra* Hill. (*Spiraea lobata* Jacq. in Gray.) Queen-of-the-prairie. Sweet william. Planted in yards and gardens. Sometimes escaping, but not persisting. Native farther south.
- 554-b. *Ulmaria ulmaria* (L.) Barnhart. (Formerly under name of *Spiraea ulmaria* L.) Meadow-sweet. Meadow-queen. Honey-sweet. Mead-sweet. Meadow-wort. Bride-wort. My-lady's belt. Sweet-hay. Queen-of-the-meadow. Sweet-meadow. Meadow-queen. *Spiraea*. Pride-of-the-meadow. Herb christopher. From Europe. In gardens and yards, but not escaping in this locality.
555. *Agrimonia hirsuta* (Muhl.) Bicknell. (*Agrimonia eupatoria* L. in Gray.) Tall hairy agrimony. Agrimony. Common agrimony. Stick-seed. Beggar's ticks. Cocklebur. Stick-seed. Feverfew. Stickwort. Leberklette. Odermennig. Hairy agrimony. Tall agrimony. A medicinal plant. Very common in woods and thickets. Also in Lambton county, Ontario.
556. *Agrimonia parviflora* Soland. Many-flowered agrimony. Agrimony. Found near Adair by A. F. Foerste. I have not been able to find this plant.
- 556-a. *Rosa setigera* Michx. Prairie rose. Climbing rose. Michigan rose. Climbing wild rose. Rose. Wild rose. Rose-blush. Queen-of-the-prairies. Gem-of-the-prairies. Planted in yards and gardens, but not escaping. Native farther south.
557. *Rosa blanda* Ait. Smooth rose. Meadow rose. Pale rose. Rose. Wild rose. Early wild rose. Thornless wild rose. Common and usually in moist ground. Also in Lambton county, Ontario. Fruit globular or slightly pear-shaped and smooth.
558. *Rosa carolina* L. Swamp rose. Wild rose. Rose. Hip-tree. In low ground and swamps. Also in Lambton county, Ontario. Fruit prickly.
559. *Rosa humilis* Marsh. Low rose. Pasture rose. Dwarf wild rose. Wild rose. Rose. Dwarf rose. Pasture rose. Common and usually in dry ground. Also in Lambton county, Ontario. Fruit prickly.
- 559-a. *Rosa canina* L. Dog-rose. Canker-rose. Wild brier. Cat-whin. Canker-blossoms. Lawyers. Bedeguar. Dog-rose galls. Hedge-peak. Hip-rose. Soldiers. Hip-tree. Hip-tree. Brier-rose. Hip-fruit. Brere rose. Hips. Eglantine gall. Hop-fruit. Hip-brier. Bird-brier. Horse-bramble. Bramble-rose. Hog-seed. Hip-seed. From Europe. Very rare. I do not consider it established.
560. *Rosa rubiginosa* L. Sweetbrier. Eglantine. Wild brier. Kitchen rose. Hip-brier. Hip-rose. Primrose. Eglantine rose. Sweet-brier rose. Bedeguar. Rose. Becoming common along roads, fences, and in open woods. Also in Lambton county, Ontario.
- 560½. *Rosa spinosissima* L. Burnet rose. Rose. Scotch rose. From Europe. Planted in yards and gardens and spreading into streets and roads. First noticed in the township of Riley on the road between Memphis and Riley Center.
- 560-b. *Rosa cinnamomea* L. Cinnamon rose. Kitchen rose. Rose. Seen in gardens and yards but not yet escaping.

POMACEÆ. APPLE FAMILY.

561. *Sorbus americana* Marsh. (*Pyrus americana* DC. in Gray.) American mountain ash. American rowan-tree. Mountain ash. Dogberry. American service-tree. Witch-wood. Round-tree. Missey moosey. Indian mozemize. Moose-misse. Round-wood tree. Rowan-tree. Service-tree. Mountain sumach. Wine-tree. Life-of-man. Rowan-berry. Planted for ornament and escaping to the banks of the St. Clair river below the city of St. Clair. Native farther north. A small tree often growing 30 feet high and having a diameter of 18 inches. Wood soft light brown, and weight per cubic foot 34 lbs. Also found in the swamp of the township of Ira. J. W. Stacey.
- 461-a. *Sorbus sambucifolia* (C. & S.) Roem. (*Pyrus sambucifolia* C. & S. in Gray.) Western mountain ash. Mountain ash. Elder-leaf mountain ash. Sometimes planted for ornament but not escaping. Native farther west. A small tree resembling and about the size of the preceding.
- 561-b. *Sorbus aucuparia* L. European Mountain ash. Mountain ash. From Europe. Sometimes planted for ornament but not escaping.
- 561-c. *Pyrus communis* L. Pear. Choke pear. Common pear. Pear tree. Wild pear tree. Our common pear tree, but not growing wild in our locality. The original of the pear grows wild in Europe and parts of Asia. There are many varieties from which to choose. According to Bulletin No. 10, 1898, of the U. S. Department of Agriculture, the following varieties of pears are best adapted to our locality: Andrews. Duchess de angouleme. Anjou. Bartlett. Bosc. Boussock. Brandywine. Buffum. Clairgeau. Clap favorite. Columbia. Dana hovey. Diel. Dix. Manning elizabeth. Flemish beauty. Fulton. Giffard. Goodale. Howell. Julianne. Lawrence. Louise bonne de jersey. Lucrative. MacLaughlin. Madeleine. Josephine de malines. Onondaga. Osband summer. Pound. Rostlezer. Seckel. Sheldon. Souvenir du congress. Sterling. Summer doyenne. Tyson. Varieties not adapted to our locality: Easter beurre. Winter nells. Bloodgood. Chambers. Doyenne du comice. Garber. Gray doyenne. Hosenschenk. Kieffer. Kirtland. Petite marguerite. Mount vernon. Napoleon. Paradise d'automne. Superfin. White doyenne. Glout morceau. Idaho. Margaret. Patrick barry. Vicar of winkfield. White doyenne. Le conte. Mognolia. The tree is often 60 feet high with a trunk diameter from two to three feet, but usually very much smaller. Wood hard, five-grained, reddish brown, and weight per cubic foot 51 lbs.
- 561-d. *Pyrus cydonia* L. Quince. Common quince. Golden apple. Quince seed. Orange apple. Champion. Missouri mammoth. Meech. Rea. Portugal. From Europe. Often remaining in old gardens for a time.
- 561-e. *Pyrus japonica* L. Japan quince. Scarlet thorn. Flowering quince. Often remaining in old yards and gardens for a time, but not spreading.
- 561-f. *Pyrus baccata* L. Siberian crab-apple. Crab-apple. Planted for the fruit, but not growing wild. From Europe. The best varieties are produced by crossing it with the common apple. The following varieties are suitable to our locality. Beach. Brier. Elgin. Excelstor. Gibb. Hyslop. Martha. Marengo. Minnesota. Montreal. Orange. Red siberian. Transcendant. Van wyck. Whitney. Yellow siberian.
562. *Malus coronaria* (L.) Mill. (*Pyrus coronaria* L. in Gray.) American crab-apple. Crab-apple. Wild crab-apple. Garland crab-apple. Sweet-scented crab-apple. Sweet-scented crab-tree. Fragrant crab. Wild crab. Sweet-scented crab. Crab. Crab-tree. Souring wild crab-tree. Souring. Wild crab-tree. Common in edges of woods and thickets. Also in Lambton county, Ontario. A beautiful tree when in bloom. Sometimes growing 25 feet high and having a trunk diameter of one foot. Wood soft, reddish brown, and weight per cubic foot 44 lbs. The blossom of this tree has been adopted as the state flower of Michigan.
563. *Malus malus* (L.) Britton. (*Pyrus malus* L. in Gray.) Apple. Apple tree. Common apple. Wilding-tree. Cultivated apple. Natural apple. Wild apple. Scab-tree. Nurse-garden. Crab-stock. Crab-tree. Growing wild on sides of roads, in fields, woods and along streams. Well naturalized. Also in Lambton county, Ontario. The original tree, from which all our splendid varieties came, grows wild nearly all over Europe and in parts of Asia. There is now a large variety of delicious apples adapted to almost every season and locality. There is not a fruit more valuable to man at least in our country. In Bulletin No. 10, 1898, of the U. S. Department of Agriculture, the following varieties are recommended for our locality. Alexander. Bailey sweet. Baker. Baldwin. Benoni. Blettingheimer. Blenheim. Blue Pearmain. Bullock or American golden russet. Canada reinette. Chenango. Clyde beauty. Cogswell. Danvers. Domine. Dutch mignonne. Dyer or Pomme royal. Early harvest. Early ripe. Early strawberry. Esopus Spitzenburg. Ewalt. Fall pipin. Fameuse. Garden royal. Golden russet. Golden sweet. Gravenstein. Green sweet. Haas or Fall queen. Hightop sweet. Hubbardston. Hunt russet. Jeffers. Jefferson county. Jewet red. Jonathan. Keswick. Longfield. Lowell. Macintosh. Macmahon. Maiden blush. Early red margaret. Norton melon. Minister. Montreal peach. Moore sweet. Mother. Newtown Spitzenburg. Northern spy. Ohio nonpareil. Duchess of oldenburg. Ontario. Peck pleasant. Perry russet. Pewaukee. Pomme gris. Porter. Primate. Pumpkin sweet. Rambo. Red astrachan. Red canada or canada red. Rhode island greening. Ribston. Rolfe. Roman stem. Rox-

bury. Saint lawrence. Scott winter. Shiawassee. Sops of wine. Sterling or american beauty. Summer pearmain. Sutton. Swaar. Tetofski. Tolman sweet. Tompkins king. Twenty-ounce. Vandevere. Wagener. Wealthy. Westfield. Williams favorite. Hays wine. Wolf river. Yellow transparent.

Varieties of apples not adapted to our locality. Monmouth. Rome beauty. Winesap. Yellow newtown pippin. Ben davis. Esopus. Red june. Yellow bellflower. Arkansas. Belmont. Bentley. Bonum. Sweet bough. Bradford best or kentucky red. Broadwell. Buckingham. Cannon pearmain. Champlain or nyack. Clayton. Cornell fancy. Cullasaga. Early cooper. Early poe. Early pennock. Edward early. Evening party. Fallawater. Fall orange. Fall wine. Fanny. Fink. Fulton. Gilpin. Green cheese. Green newtown. Grimes golden. Hewes crab. Hoover. Horse. Jersey sweet. July or fourth of july. Kinnaird. Lady. Lady sweet. Lansingburg. Late strawberry. Lawver or delaware red winter. Limber twig. Macafee. Maclellan. Mangum. Millam. Missouri pippin. Nickajack. Ortley. Otoe. Pryor red. Rails genet. Ramsdall sweet. Red stripe. South romanite. Shockley. Smith cider. Smokehouse. Stark. Summer queen. Summer rose. Sweet wine-sap. Trenton early. Walbridge or edgar red streak. White juneating. White pearmain. White pippin. Willow twig. Wythe. York imperial. Alameda. Cook seedling. Fall jenneting. Gloria mundi. Hawthornden. Holland pippin. Marshall red or red bellflower. Monmouth pippin or red cheek pippin. Sexton golden. Skinner seedling or santa clara king. Bruce. Carter blue. Clark pearmain. Cracking. Disharoon. Far-rar or Robinson superb. Ferdinand. Hall. Hockett. Horn. Jennings. Julian. Junaluskee. Manomet. Mason stranger. Mattamuskeet. Maverack. Nansemond. Oconee. Stephenson. Switzer. Taunton. Watson. Waugh crab. Yates. Yellow june. Yopp.

So far as I have observed there are few in our county who take much care in cultivating apples and apple orchards are generally neglected. Tree often three feet in diameter in cultivation. Wood hard, reddish brown, and weight per cubic foot 50 lbs.

564. *Aronia arbutifolia* (L.) Ell. (*Pyrus arbutifolia* L. in Gray.) Red choke-berry. Dog-berry. Dog-berry tree. Common choke-berry. Choke-berry. Choke-pear. In swamps north of Capac and in wet woods near Algonac. Also in Lambton county, Ontario.
565. *Aronia nigra* Willd. Britton. (*Pyrus arbutifolia melanocarpa* Hook. in Gray.) Black choke-berry. Choke-berry. Common choke-berry. Choke-pear. Very abundant in low ground and swamps. Also in Lambton county, Ontario. Fruit black.
566. *Amalanchier canadensis* (L.) Medic. June-berry. Service-berry. Shad-flower. Wild service. Sugar-pear. Dogwood. Boxwood. Wild pear. Juice-pear. Juicy pear. May-pear. Bilberry. Snowy medlar. June-plum. Sugar-plum. Shad-blow. Sugar-berry. Sand-cherry. Service-tree. Shad-bush. May-cherry. Indian-cherry. Wild indian-pear. Currant-tree. Shad-berry. Shad-tree. Common in dry woodlands. Also in Lambton county, Ontario. South of the city of Port Huron on the Bunce farm, there is a tree of this a foot or more in diameter and over 60 feet high. Trees usually small. Wood very hard, brown, and weight per cubic foot 49 lbs.
- 566½. *Amalanchier rotundifolia* (Michx.) Roem. (*Amalanchier canadensis rotundifolia* T. & G. in Gray.) Round-leaved june-berry. June-berry. Frequent in woods and thickets. Also in Lambton county, Ontario.
567. *Amalanchier botryapium* (L. f.) DC. (*Amalanchier canadensis oblongifolia* T. & G. in Gray.) June-berry. Service-berry. Shad-bush. Swamp sugar-pear. Wild pear. Frequent in wet or dry ground. Also in Lambton county, Ontario. Fruit much larger than in the preceding. Usually small bushes a foot or more high and in dry and poor ground. It is said this becomes a small tree, often 30 feet high.
568. *Crataegus crus-galli* L. Cockspur thorn. Newcastle thorn. Thorn-apple. Red haw. Thorn-bush. Thorn. Pin-thorn. Thorn-plum. Cockspur hawthorn. Hawthorn. Haw. White cockspur thorn. White thorn. In low ground and thickets. Also in Lambton county, Ontario. Leaves narrow, smooth, and shining. Fruit edible, but not very good. A shrub or small tree often growing 30 feet high with a trunk diameter of one foot. Wood hard, satiny, reddish brown, and weight per cubic foot 45 lbs.
569. *Crataegus punctata* Jacq. Large-fruited thorn. Thorn-apple. White thorn. Dotted-fruited thorn. Dotted haw. Thorn tree. Thorn-bush. Common in low ground and thickets. Also in Lambton county, Ontario. Fruit large, red or yellowish and edible. A shrub or small tree, often 25 feet high.
- 569-a. *Crataegus oxyacantha* L. Hawthorn. White thorn. May-thorn. Hathorne. Wick. Wickens. Haw-tree. Quick. Hedge-thorn. May-bush. Haws. Quickset. English hawthorn. Glastonbury thorn. Noble epine. Thorn-apple tree. May-tree. White may. From Europe. Planted in yards and gardens, but not escaping. A shrub or small tree often 40 feet high with a trunk diameter of one foot or more. Wood hard, yellowish-white and weight per cubic foot 50 lbs.

570. *Crataegus coccinea* L. Scarlet thorn. Scarlet haw. Red haw. Thorn apple. Thorn-bush. White thorn. Scarlet-fruited thorn. Red thorn. Hawthorn. Thorn. Thorn-apple tree. Thorn-plum. Haw-bush. Scarlet thorn-haw. Hedge-thorn. Red thorn-bush. Mayflowers. Common hawthorn. In low ground and thickets. Also in Lambton county, Ontario. Flowers often pink and odor disagreeable. Fruit red and edible. A shrub or small tree often growing 30 feet high with a diameter of one foot. Wood hard, reddish brown and weight per cubic foot 53 lbs.
571. *Crataegus macracantha* Lodd. (*Crataegus coccinea macracantha* Gray in Gray.) Long-spined thorn. Thorn. Thorn-apple. Thorn-bush. Large-flowered haw. Not frequent. Also in Lambton county, Ontario. A shrub or small tree about the size of the preceding.
572. *Crataegus mollis* (T. & G.) Scheele. (*Crataegus coccinea mollis* T. & G. in Gray.) Red-fruited thorn. Thorn-apple. Thorn. Thorn-bush. Scarlet haw. Red thorn-apple. Downy thorn. Downy haw. Red haw. One tree on the river flat below Beard's mill, over 30 feet high and 7 inches in diameter. Common about Algonac. Also in Lambton county, Ontario. Plentiful on Walpole Island, Kent county, Ontario. Fruit large and edible. This species produces the largest and best fruit of our thorn-apples. I think it is worthy of cultivation. Flowers large, often an inch in diameter. A shrub or small tree larger than No. 570 in our locality.
573. *Crataegus tomentosa* L. Pear-thorn. Pear-haw. Thorn-apple. Thorn. Thorn-bush. Red haw. Black thorn. White thorn. Common thorn. Hawthorn. Thorn-plum. In woods thickets and along streams. Also in Lambton county, Ontario. Fruit small, edible, but not very good. A shrub or small tree often growing 25 feet high with a diameter of eighteen inches. Wood hard, reddish brown, and weight per cubic foot 47 lbs.

DRUPACEÆ. PLUM FAMILY.

574. *Prunus americana* Marsh. Wild yellow plum. Wild red plum. Common wild plum. Wild plum. Wild goose-plum. Hog-plum. August-plum. Native plum. Plum. Plum-granite. Goose-plum. Sloe. In woods, low ground, and along streams. Also in Lambton county, Ontario. This is our common wild plum in this locality. Fruit nearly round and edible. A shrub or small tree often growing 35 feet high with a trunk diameter of one foot.
575. *Prunus nigra* Alt. Canada plum. Horse-plum. Wild plum. Plum. Red plum. Pomegranate. Plentiful along the high banks of Black river above and below Beard's mill. Usually growing in the shade of other trees. Fruit large, long and edible. A tree 20 to 30 feet high with a trunk diameter of ten inches. Wood hard, reddish brown, and weight per cubic foot 43 lbs.
- 575-a. *Prunus domestica* L. Common plum. Garden-plum. Plum. Common garden-plum. Damson-plum. Plum-tree. Damson. Prunes. French plum. Saint catharine prunes. Zwetschen. From Europe. Escaping into roads but perhaps not permanent. The original of this fruit tree is found growing wild in parts of Europe and Asia. It has been cultivated for at least two thousand years. Many delicious varieties are cultivated. According to Bulletin No. 10, 1898, of the U. S. Department of Agriculture, the following varieties of plum are recommended for our locality: Moore arctic. Yellow aubert. Bavey green gage. De sota. Black diamond. Charles downing. Drap d'or. Duane purple. Englebert. Forest garden. German prune. Coe golden drop. Grand duke. Green gage. Hudson river purple egg. Hulings superb. Imperial gage. Jefferson. Kingston. Lawrence favorite. Lombard. MacLaughlin. Moldavka. Monroe egg. Orleans. Ottoman. Pond or hungarian prune. Purple gage. Quackenboss. Richland. Rollingstone. Shropshire. Smith orleans. Transparent gage. Prince of wales. Wangenheim. Washington. Weaver. Wolf. Wyant. Yellow egg.
- Varieties not adapted to our locality: Agen. Columbia. Dosch. Golden prune. Italian or fellenberg. Silver prune. Tragedy. Abundance. Archduke. Blecker gage. Bradshaw. Burbank. Chabot. Clinton. Copper. Damson. Hand. Kerr. Miner. Newman. Ogon. Peach. Prince yellow. Purple favorite. Red nagate. Saratoga. Saunders. Satsuma. Wild goose. Willard. Cherry. Clyman. Kanawha. Robe de sergent. Caddo chief. El paso. Simon or *Prunus simonii*. Berkman. De caradeuc. Cumberland. Georgeson. Golden beauty. Indian chief. Lone star. Marianna. Yellow transparent. Weaver. Kelsey.
576. *Prunus pumila* L. Sand cherry. Dwarf cherry. Beach-plum. In Lakeside cemetery and near Algonac. Also in Lambton county, Ontario. Usually found in dry and poor ground. Flowers appear before the leaves. Fruit edible. This cherry often blooms and bears fruit when no more than a foot high.
577. *Prunus cerasus* L. Sour cherry. Common cherry. Cherry. Egriot. Pie-cherry. Red cherry. Common cherry. Morello cherry. Cherry tree. Early richmond cherry. Griottes. Garden-cherry. Garden red cherry. Montmorency cherry. Baumwischel. Sauerkirschen. From Europe. This is our common red cherry of the yards and gardens, which is escaping into streets and roads throughout the county. Also in Lambton county, Ontario. The original of this cherry grows wild near the Caspian Sea in Asia and has probably spread from there to other parts of the world. The tree reaches in cultivation the height of 60 feet with a trunk diameter of three and one-half feet, but usually much smaller. Wood strong, reddish brown and weight per cubic foot 54 lbs.

- 577-a. *Prunus avium* L. Wild cherry. Crab-cherry. Bird-cherry. Black merry. Mazard. Gaskins. Gean. Sweet cherry. Hawkberry. Merry. Susskirschbaum. From Europe. Planted in yards and gardens but not escaping. In this locality. The original of this cherry grows wild in many parts of Europe and Asia. This and the preceding species are the originals of most of our cultivated varieties. According to Bulletin No. 10, 1898, of the U. S. Department of Agriculture, the following varieties of cherries are suitable to our locality. Archduke. Bessarabian. Black heart. Yellow buttner. Belle de cholsy. Coe transparent. Donna maria. Downer. Dyehouse. Black eagle. Early purple guigne. Elton. Empress eugenie. Florence. Reine hortense. Hovey. Late kentish. Lutovka. Belle magnifique. Mayduke. Montmorency large. Montmorency ordinaire. English morello. Napoleon. Olivet. Louis philippe. Plumstone morello. Richmond. Black tartarian. Windsor. Governor wood.
- Varities not adapted to our locality. Ostheimer weichsel. California advance. Bing. Centennial. Lewelling. or black republican. Royal ann. Rockport. Yellow spanish. Carnation. Knight early. Kentish. Cleveland. Late duke. Thompson seedling. Often a large tree 70 feet high with a trunk diameter of four feet.
578. *Prunus pennsylvanica* L. f. Wild red cherry. Pin-cherry. Cherry. Pigeon-cherry. Bird-cherry. Fire-cherry. Wild cherry. Red cherry. Cherry tree. In open woods and along roads and fences. Also in Lambton county, Ontario. Wood soft, light brown, and weight per cubic foot 31 lbs. Small tree growing 35 feet high with a trunk diameter of one and one-half feet.
579. *Prunus mahaleb* L. Mahaleb. Perfumed cherry. Escaped to the bank of St. Clair river below the city of St. Clair. Perhaps a hundred of them there and many of them large. From Europe. Wood hard and brown. Used in Europe for cabinet making. In this country sometimes used as nursery stock upon which to graft improved varieties. Tree often grows to the height of 35 feet with a trunk diameter of one foot.
580. *Prunus virginiana* L. Choke cherry. Wild cherry. Wild black cherry. Black cherry. Black choke. Rum-cherry. Cabinet-cherry. Cherry-tree. A medicinal plant. In damp open woods and along streams. Also in Lambton county, Ontario. Plant poisonous, containing elements that under certain conditions form prussic acid, a deadly poison. The wilted leaves and kernels of the seed are to be avoided. As I understand all plants of the genus, *Prunus*, contain the elements of prussic acid and may become injurious. A shrub from 2 to 10 feet high, but sometimes growing higher and becoming a small tree.
- 580-a. *Prunus padus* L. Small bird-cherry. Bird-cherry. Hag-berry. Hoop-ash. Fowl-cherry. Cherry-bay. Cluster-cherry. From Europe. Sometimes planted in yards and gardens for ornament, but not escaping.
581. *Prunus serotina* Ehrh. Wild black cherry. Cabinet-cherry. Rum-cherry. Black cherry. Wild cherry. Whisky-cherry. Cherry-tree. Choke-cherry. Wildkirschenrinde. A medicinal plant. In woods and along roads, fences, and streams. Also in Lambton county, Ontario. Plant poisonous under certain conditions, containing prussic acid. The wilted leaves and kernels of the seed must be avoided. In many instances the poison has proved fatal to cattle and children. Fruit black and edible. Tree often growing to the height of 90 feet with a trunk diameter of four feet. Wood hard, strong, reddish brown and weight per cubic foot 56 lbs.
- 581-a. *Prunus armeniaca* L. Common apricot. Apricot. Russian apricot. A native of China. Planted for the fruit, but not escaping. The apricot does not seem to be adapted to our locality and only a few trees are planted. The varieties are Alexander. Breda. Budd. Early golden. Gibb. Harris. Hemskirke. Large early. Moorpark. Peach. Blenheim. Eureka. Alberge de montgamet. Montgamet early. Moore early. Newcastle. Pringle. Brier royal golden. Saint ambrose. Vestal moorpark. Hinds seedling. Roman. Sparks. Musch. Orange. Turkey.
- 581-b. *Amygdalus persica* L. Peach. Common peach. Peach-tree. Common peach-tree. Free-stone peach. Clingstone peach. To (Chinese). Tao (Japanese). A medicinal plant. Our common peach of the yards and orchards. Often found growing wild along roads, railroads, and in fields, but it does not persist. One of the most delicious and important fruits. First cultivated in China and probably a native of that country. The Greeks and Romans began to cultivate it about the beginning of the Christian era. In China it has been cultivated from remote antiquity. In Bulletin No. 10, 1898, of the U. S. Department of Agriculture, no varieties of peach are recommended for our locality, yet it is well known that Mr. N. Strevel of the township of Grant has for the last few years been very successful in raising this fruit. Peach orchards in our county are increasing rapidly, and the crop for this year, 1898, was the largest I have known for 23 years. It is perhaps true, however, that a peach crop in our locality is uncertain. The following are some of the names of varieties: Hale. Alexander. Beers smock. Blyeu. Hills chill. Early crawford. Elberta. Foster. George IV. Globe. Golden drop. Grosse mignonne. Heath cling. Hoover. Kendrick heath. Large york. Late admirable. Late crawford. Late rareripe. Morris white. Mountain rose. Oldmixon cling. Oldmixon free. Red cheek melocoton. Reeves favorite. Richmond. Rivers. Salway. Smock. Sneed. Stevens rareripe. Strawberry. Stump. Yellow saint john. Susquehanna. Brandywine. Chair choice. Early york. Garey. Garfield. Golden cling. Governor garland. Lovell.

Malta. Mackevitt. Muir. Newhall. Nichols cling. Orange cling. Piquet late. Runyon orange cling. Tuskena, or tuskany. Waterloo. Wilkins. Henrietta. Lemon sling. Amelia. Austin. Blood cling. Blood free. Cabler indian. Chinese cling. Columbia. Jessie karr. General lee. Mountain rose. Pallas. Sneed. Thurber. Tillotson. Angel. Bidwell early. Bidwell late. Climax. Countess. Early china. Ferdinand. Florida. Crawford. Gibbon. Honey. Imperial. Maggie burt. Onderdonk. Peento. Waldo.

The nectarine is known in the books as *Prunus persica nectarina* Maxim. and is believed to be derived from the peach. It is not much planted in our locality.

CÆSALPINACEÆ. SENNA FAMILY.

- 581-c. *Cercis canadensis* L. Red-bud. American judas-tree. Judas-tree. Red judas-tree. Salad-tree. Canadian judas-tree. A medicinal plant. Planted in yards and gardens, but not escaping. Native farther south. A tree whose greatest height is about 60 feet with a trunk diameter of one foot. Often a shrub. Wood hard, weak, dark reddish brown, and weight per cubic foot 40 lbs.
- 581-d. *Gleditsia triacanthos* L. Honey locust. Sweet locust. Three-thorned acacia. Thorn-locust. Black locust. Thorn-tree. Thorny locust. Sweet-bean. Locust. Honey. Honey shucks. Thorny acacia. Honey shucks locust. Confederate pin-tree. Piquant amourette. Planted for ornament and for hedges, but not spreading so far as I can observe. It can hardly yet be called a success here for hedges. Native farther south. The pods of this tree are eaten by stock, and the young growth is browsed down by cattle. A large tree often growing 140 feet high with a trunk diameter of five and one-half feet. Wood durable, bright brownish-red, and weight per cubic foot 42 lbs.

PAPILIONACEÆ. PEA FAMILY.

582. *Baptisia tinctoria* (L.) R. Br. Wild indigo. Yellow broom. Indigo-broom. Horse-fly-weed. Shoo-fly. Rattlebush. Wild indigo-weed. Horse flea-weed. Tall white false indigo. Common false indigo. False indigo. Broom-clover. Indigo-weed. Yellow indigo. American indigo. Clover-bloom. Wild indigo false. A medicinal plant. In the southeastern part of the county from St. Clair to Algonac, and generally in poor and dry ground. Also in Lambton county, Ontario.
583. *Lupinus perennis* L. Wild lupine. Wild pea. Quaker-bonnets. Old maid's bonnets. Sun-dial. Monkey-faces. Perennial lupine. Common in dry and sandy ground. Very plentiful at Lakeside cemetery. Also in Lambton county, Ontario. A beautiful plant, especially when covered with dew.
584. *Medicago sativa* L. Purple medic. Alfalfa. Lucerne. Burgundy clover. Chilian clover. Brazilian clover. Snail clover. Great trefoil. Holey-hay. Spanish trefoil. Alfalfa clover. Medic. Manured medic. Cultivated medicago. French lucerne. French clover. Lucerne clover. Lucerne medicago. Sainfoin. A native of different parts of Asia. Found growing wild in streets, roads, and along railroads. Also in Lambton county, Ontario. This is one of the best known and most extensively grown forage plants throughout the United States excepting in New England. It seems better adapted to the South and West than to our locality. However, it is being sown here and in Lambton county, Ontario, more than formerly. In pasturing alfalfa caution must be used, as with the clovers, to prevent the bloating of animals as a result of gorging themselves.
585. *Medicago lupulina* L. Black medic. Hop medic. Blackseed hop-clover. Nonesuch. Black trefoil. Mellilot trefoil. Black-grass. Shamrock. Horned clover. Natural grass. Dutch clover. Meddick. Hop trefoil. Lupuline. Black nonesuch. Yellow clover. From Europe. Common in streets, roads, fields, and open woods. Also in Lambton county, Ontario. It usually lies flat on the ground. Flowers yellow and look like a clover. A good pasture plant, and recommended to be sown with white clover for lawns, as it remains green through the driest summer.
586. *Mellilotus alba* Desv. White mellilot. White sweet clover. Sweet clover. Honey-clover. Cabul clover. Tree-clover. Bokhara clover. White mellilot clover. Honey-lotus. Kin's clover. Mellilot. Sweet mellilot. Sweet lucerne. Sweet scented clover. Large white clover. White mellilot. From Europe. Common and becoming a rank weed in streets, roads, and fields. Also in Lambton county, Ontario. This is said to be valuable in the Southern States for early pasturage and green manure. However, stock do not relish it until they have acquired a taste for it. I do not think stock eat it in our locality.
587. *Mellilotus officinalis* (L.) Lam. Yellow mellilot. Yellow sweet clover. Balsam flowers. Hart's clover. King's clover. King's crown. Heart-wort. Yellow mellilot. Mellilot. Sweet clover. White clover. Mellilot clover. Common mellilot. Wild laburnum. Yellow mellilot clover. Plaster clover. Steinklee. Mellilotenkle. A medicinal plant. From Europe. In roads, streets and waste places. Not so common or so well established as the preceding. Also in Lambton county, Ontario.
588. *Trifolium agrarium* L. Yellow clover. Hop clover. Yellow hop clover. Golden clover. Large golden clover. Field-clover. Gold-colored clover. Field-clover. Yellow meadow trefoil. Clover. From Europe. Found in two places in the city of Port Huron, where it has persisted for over six years. It is said to be of considerable value for sandy-pastures. Spreading and becoming frequent.

589. *Trifolium procumbens* L. Low hop clover. Smaller hop clover. Low hop trefoil. Smaller hop trefoil. Hop clover. Yellow clover. Shamrock clover. Brown clover. Lesser clover. Hop trefoil. Clover. From Europe. Along the C. & G. T. Railway. Rare. A much smaller clover than the preceding.
- 589-a. *Trifolium incarnatum* L. Crimson clover. Carnation clover. Italian clover. Napoleons. Scarlet clover. German clover. French clover. Egyptian clover. Clover. German mammoth clover. A native of the Mediterranean region. This clover is common farther south, but has not been much tried in this locality. Not yet escaping here. A beautiful clover.
590. *Trifolium pratense* L. Red clover. Purple clover. Meadow clover. Clover. Common clover. Common red clover. Honeysuckle clover. Knap. Suckles. Sugar-plum. Cleaver-grass. Cow-grass. Marl-grass. June clover. Broad-leaved clover. Small red clover. Redtop clover. Real sweet clover. Medium red clover. A medicinal plant. From Europe. This is our common fodder clover of the fields and pastures. Also in Lambton county, Ontario. Our most valuable clover and the one generally sown.
591. *Trifolium hybridum* L. Alsike clover. Alsatian clover. Sweedish clover. Alsace clover. Hybrid clover. Clover. Bastard clover. White sweedish clover. Giant white clover. Perennial hybrid clover. Elegant clover. Pod-clover. From Europe. Common in streets, roads, fields, and open woods. At present being much sown for fodder. Very sweet scented. Also in Lambton county, Ontario.
592. *Trifolium repens* L. White clover. Dutch clover. Honeysuckle clover. Sheep's-gowan. Honey-stalks. Lamb-sucklings. Shamrock. Honeysuckle. Purple-grass. Purplewort. White shamrock. White dutch clover. Creeping trifolium. White trefoil. Stone-clover. Honeysuckle grass. Trefle blancourampant. Kriechender weisser klee. A medicinal plant. From Europe. Very common in streets, roads, yards, fields, meadows, and open woods. This is the true shamrock of Ireland. Also in Lambton county, Ontario. Good for pastures and lawns and a valuable plant for bees. The forage, although produced in small quantities, is sweet and nutritious and eagerly sought for by all kinds of stock.
593. *Robinia pseudacacia* L. Locust-tree. False acacia. Bastard acacia. Silver-chain. Yellow locust. Black locust. Locust. White locust. Red locust. Green locust. Red-flowering locust. Common locust. Acacia. Honey locust. Sea-flower locust. Post locust. A medicinal plant. Planted for ornament and escaping to banks of streams and thickets. Well naturalized. A very pretty tree, but badly afflicted with borers in our locality. Also in Lambton county, Ontario. Native farther south. A large tree, reaching the height of 80 feet, with a trunk diameter of three and one-half feet. Wood strong, very durable, greenish brown, the sap wood yellow and weight per cubic foot 46 lbs.
594. *Astragalus carolinianus* L. L. (*Astragalus canadensis* L. in Gray.) Carolina milk-vetch. Canada milk-vetch. Canadian milk-vetch. Candian rattle-weed. Milk-vetch. Frequent in marshes and along streams, especially along Black river. Considered a good fodder plant. Also in Lambton county, Ontario.
595. *Meibomia nudiflora* (L.) Kuntze. (*Desmodium nudiflorum* DC. in Gray.) Naked-flowered ticktrefoil. Ticktrefoil. Along Black river both above and below Beard's mill, and near St. Clair, Algonac, and occasionally in other localities. Usually but a few specimens found in one place. Also in Lambton county, Ontario. Where this is plentiful in woodland pastures, it furnishes considerable forage.
596. *Meibomia grandiflora* (Walt.) Kuntze. (*Desmodium acuminatum* DC. in Gray.) Pointed-leaved ticktrefoil. Beggar-ticks. Ticktrefoil. Common in dry ground. Also in Lambton county, Ontario. This is considered a valuable forage plant.
597. *Meibomia sessilifolia* (Torr.) Kuntze. (*Desmodium sessilifolium* T. & G. in Gray.) Sessile-leaved ticktrefoil. Ticktrefoil. In dry woods near Algonac. Rare.
598. *Meibomia bracteosa* (Michx.) Kuntze. (*Desmodium cuspidatum* T. & G. in Gray.) Large bracted ticktrefoil. Ticktrefoil. In oak woods near the city of St. Clair and Algonac.
599. *Meibomia paniculata* (L.) Kuntze. (*Desmodium paniculatum* DC. in Gray.) Panicked ticktrefoil. Ticktrefoil. Frequent in dry ground. Also in Lambton county, Ontario.
600. *Meibomia dillenii* (Darl.) Kuntze. (*Desmodium dillenii* Darl. in Gray.) Dillen's ticktrefoil. Ticktrefoil. Common in woods. Also in Lambton county, Ontario.
601. *Meibomia canadensis* (L.) Kuntze. (*Desmodium canadense* DC. in Gray.) Canadian ticktrefoil. Showy ticktrefoil. Ticktrefoil. Beggar's-lice. On low ground, river banks, and in thickets. Also in Lambton county, Ontario. In Bulletin No. 2, 1896, of the United States Department of Agriculture, it is suggested that this plant is deserving of trial under cultivation for forage.
602. *Meibomia rigida* (Ell.) Kuntze. (*Desmodium regidum* DC. in Gray.) Rigid ticktrefoil. Ticktrefoil. In dry ground. Rare.

603. *Melbonia marylandica* (L.) Kuntze. (*Desmodium marilandicum* F. Boot. in Gray.) Smooth small-leaved ticktrefoil. Ticktrefoil. Plentiful on dry ground in one place near Algonac. Only locality known. Also near Blackwell Station, Lambton county, Ontario. T. C. Wheatley.
- 603-a. *Melbonia michauxii* Vall. (*Desmodium rotundifolium* DC. in Gray.) Prostrate tick-trefoil. Tick-trefoil. Frequent in dry woods and thickets near Blackwell Station, Lambton county, Ontario. T. C. Wheatley. Not yet noticed in St. Clair county.
604. *Lespedeza frutescens* (L.) Britton. (*Lespedeza stuevei intermedia* Wats. in Gray.) Wand-like bush-clover. Bush-clover. North of the city of Port Huron near the tollgate and plentiful near the city of St. Clair and Algonac. Always in dry and poor ground. Also near Blackwell Station, Lambton county, Ontario. T. C. Wheatley.
605. *Lespedeza hirta* (L.) Ell. (*Lespedeza polystachya* Michx. in Gray.) Hairy bush-clover. Bush-clover. Common in dry ground throughout the county. Also in Lambton county, Ontario. This is valuable as a pasture plant.
606. *Lespedeza capitata* Michx. Round-headed bush-clover. Bush-clover. Dusty clover. In dry woods and old fields. Not so common as the preceding. Also in Lambton county, Ontario.
607. *Vicia cracca* L. Tufted vetch. Cow-vetch. Cow tare. Blue-vetch. Tine-grass. Cat-peas. Canada pea. Bird-vetch. Chicken-vetch. Vetch. On borders of marshes and along the embankments of railroads where it grows in tangled masses and appearing as if it might be made a good fodder plant. Also in Lambton county, Ontario. This species is cultivated in Europe for fodder and is recommended for cultivation in wet meadows. In the shade it yields a return three times larger than in open places. It would therefore be valuable in woodland pastures and alpine regions.
608. *Vicia americana* Muhl. American vetch. Pea-vine. Common wild vetch. Vetch. Buffalo-pea. Purple vetch. Occasionally along railroads. This is a valuable native vetch, and should be given a trial in cultivation.
609. *Vicia caroliniana* Walt. Carolina vetch. Pale vetch. Vetch. In woods and on river banks. Also in Lambton county, Ontario. No doubt a good fodder plant.
610. *Vicia sativa* L. Common vetch. Common tare. Pebble-vetch. Vetch. Tare. Tares. Spring-vetch. Tare-plant. Fitch. Wood-pea. Wood-vetch. From Europe. Frequent along roads, railroads, and in fields. A fodder plant from Europe. Also in Lambton county, Ontario. This vetch has been cultivated in the Old World for 2,000 years, and is there considered one of the best sowing crops in cool moist climates. In the United States it has only proved adaptable to cultivation in the New England States and in Canada. Where it can be grown, it is very good summer feed for horses, but must not be fed earlier than full bloom on account of its diuretic action. It is good for sowing sheep and milch cows, and is said to very materially increase the flow of milk. A greater and surer return, however, can be had from red clover than from this vetch.
611. *Lathyrus maritimus* (L.) Bigel. Beach-pea. Sea-pea. Seaside-pea. Everlasting pea. Wild pea. Frequent along the sandy shores of Lake Huron. One bunch of it in a sandy mound just above the Lighthouse Reserve.
612. *Lathyrus palustris* L. Marsh vetchling. Wild pea. Vetchling. In damp ground, damp woods and marshes. Also in Lambton county, Ontario.
613. *Lathyrus myrtifolius* L. (*Lathyrus palustris myrtifolius* Gray in Gray.) Myrtle-leaved marsh-pea. Marsh-pea. Vetchling. Along ditches, in damp places, and in edges of woods. Also in Lambton county, Ontario.
614. *Lathyrus ochroleucus* Hook. Cream-colored vetchling. Pale vetchling. Vetchling. In woods and on river banks. Also in Lambton county, Ontario.
- 614-a. *Lathyrus odoratus* L. Sweet pea. Posy peas. From Europe. Planted in yards and gardens, but not spreading.
- 614-b. *Pisum sativum* L. Common pea. Garden pea. Field-pea. Pea. From Europe. Cultivated for grain and fodder. Often found in roads and fields, but not persisting. A good fodder plant.
615. *Falcata comosa* (L.) Kuntze. (*Amphicarpaea monoica* Nutt. in Gray.) Wild peanut. Hog-peanut. Pea-vine. Common in woods and thickets. Also in Lambton county, Ontario. This plant is eaten greedily by all kinds of stock and adds materially to the value of woodland pastures. The underground fruit, being something like the peanut, furnishes some food for swine. It is a delicate and pretty vine.
- 615½. *Falcata pitcheri* (T. & G.) Kuntze. (*Amphicarpaea pitcheri* T. & G. in Gray.) Pitcher's hog peanut. Hog peanut. Common in low ground and along streams. First noticed by J. W. Stacey.

616. *Apios aplos* (L.) MacM. (*Apios tuberosa* Moench. in Gray.) Ground-nut. Wild bean. Bean. Traveler's delight. Pig-potato. Dakota potato. Ground-pea. Indian-potato. Indian-pea. Potato-pea. White apple. Trailing-pea. Common in moist ground throughout the county. Also in Lambton county, Ontario. This plant does not seem to fruit in this locality, so far as I can observe. It is a beautiful plant, especially when in bloom. Flowers chocolate color. It has an edible tuber which furnishes food for swine. The plant is eaten by all kinds of stock.

- 616-a. *Phaseolus vulgaris* L. Kidney bean. String bean. Pole bean. Field-bean. Common bean. Probably from tropical America. Often found apparently growing wild, but it does not persist. This represents many forms of plant and fruit.

GERANIACEÆ. GERANIUM FAMILY..

617. *Geranium maculatum* L. Wild crane's-bill. Spotted crane's-bill. Alum-root. Spotted geranium. Old maid's night-caps. Alum-bloom. Crowfoot. Chocolate-flower. Shame-face. Cranesbill. Spotted cranesbill. Geranium. Tormentil. Wild dovefoot. American tormentilla. Storks-bill. American kino-root. Astrigent-root, American tormentil. A medicinal plant. Common in roads, woods, and fields. Also in Lambton county, Ontario.
- 617-a. *Geranium robertianum* L. Herb robert. Red robin. Red-shanks. Dragons'-blood. Fox-geranium. Rock-weed. Wild fox-geranium. Mountain geranium. Jenny wren. Sailor's knot. Wren's flower. Red bird's-eye. In north eastern part of Lambton county, Ontario. T. C. Wheatley.
618. *Geranium carolinianum* L. Carolina crane's-bill. Crane's-bill. In dry and poor ground throughout the county. I have noticed it springing up very thick where brush heaps have been burned. Also in Lambton county, Ontario.
619. *Geranium pusillum* L. Small-flowered crane's bill. Small crane's-bill. Cranes-bill. From Europe. In clay ground. Rare in this county. More frequent in Lambton county, Ontario.
620. *Erodium cicutarium* (L.) L'Her. Hemlock stork's-bill. Heron's-bill. Alfilaria. Pine-needle. Pin-clover. Pin-grass. Pinweed. Wild musk. Filaria. Filaree. Alfilarilla. Stork's-bill. California geranium. From Europe. In the streets of the city of Port Huron. First noticed in 1896 by Miss Winifred Higby. Spreading. Sometimes mentioned as a forage plant.

OXALIDACEÆ. WOOD-SORREL FAMILY.

621. *Oxalis stricta* L. (*Oxalis corniculata stricta* Sav. in Gray). Upright yellow wood-sorrel. Wood-sorrel. Yellow wood-sorrel. Ladies' sorrel. Sheep-sorrel. Lady sour-grass. Toad-sorrel. Sheep's-clover. Poison sheep-sorrel. Sour-grass. Common in yards, gardens, streets, roads, fields, and open woods. Also in Lambton county, Ontario.
- 621½. *Oxalis cymosa* small. Toll yellow wood-sorrel. Yellow wood-sorrel. Wood-sorrel. In the township of Ira. First noticed by J. W. Stacey.

LINACEÆ. FLAX FAMILY.

622. *Linum usitatissimum* L. Flax. Lint-bells. Linseed. Cultivated flax. Flix. Lin. Lint. Common flax. Flax-seed. Winterlien. From Europe. Frequent in streets, roads, and fields. Escaped from cultivation. Cultivated extensively near Yale, and in the northern parts of the county. Also in Lambton county, Ontario.
- 622½. *Linum medium* (Planch.) Britt. Stiff yellow flax. Yellow flax. Wild flax. In dry ground about Algonac. Only locality known at present.
623. *Linum virginianum* L. Wild flax. Slender yellow flax. American wild flax. In an old field near Algonac. Rare. Also near Blackwell Station, Lambton county, Ontario. T. C. Wheatley.

RUTACEÆ. RUE FAMILY.

624. *Xanthoxylum americanum* Mill. Prickly ash. Toothache-tree. Northern prickly ash. Toothache-bush. Yellow-wood. Angelica-tree. Suterberry. Toothache-bark. Yellow-wood berries. Pellitory-bark. Sutterberry-bark. Prickly ash berries. Clavallier. Zahnwehholz. A medicinal plant. Common in low ground, damp woods, and thickets. Also in Lambton county, Ontario. A shrub or small tree growing often to a height of 25 feet with a trunk diameter of six inches. Wood soft, light brown, and weight per cubic foot 35 lbs.

SIMARUBACEÆ. AILANTHUS FAMILY.

625. *Ailanthus glandulosus* Desf. Tree-of-heaven. Ailanthus. Heavenward tree. Chinese sumach. Tallow-tree. False varnish-tree. Devil's walking-stick. Ailantus. Gotterbaum. A medicinal plant. From China. Planted for ornament and spreading into streets, roads, and fields. Also in Lambton county, Ontario. This tree is not hardy enough for the climate here.

POLYGALACEÆ. MILKWORT FAMILY.

626. *Polygala ambigua* Nutt. (*Polygala verticillata ambigua* Wats. in Gray.) Loose-spiked milkwort. Milkwort. In an old field near Algonac. Only locality known. Also in Walpole Island, Kent county, Ontario.
627. *Polygala incarnata* L. Pink milkwort. Rogation-flower. Procession-flower. Near Algonac. Rare. Only locality known in the county. Plentiful in one place on the southwest part of Walpole Island, Kent county, Ontario.
628. *Polygala viridescens* L. Field milkwort. Purple *Polygala*. Common milkwort. Purple milkwort. Milkwort. In fields, meadows, and open damp places. Plentiful about Algonac and the southeastern part of the county.
629. *Polygala senega* L. Seneca snakeroot. Mountain flax. Senega snakeroot. Senega-root. Seneca-root. Rattlesnake-root. Seneca-root. Milkwort. Seneca snake-root. A medicinal plant. In dry woods throughout the county. Also in Lambton county, Ontario.
630. *Polygala polygama* Walt. Racemed milkwort. Pink milkwort. Bitter milkwort. Centaury. A medicinal plant. In dry ground. Rare. Also north of Sarnia, Lambton county, Ontario. Rare.
631. *Polygala paucifolia* Willd. Fringed milkwort. Milkwort. Flowering wintergreen. Evergreen snakeroot. Indian-pink. Gaywings. Fringed *polygala*. Bird-on-the-wing. Little-pollum. Dwarf milkwort. Ladies' slipper. Purple may-wing. May-wings. Babies' feet. Gay-wings. Babies' toes. Babies' slippers. Plentiful north of the city of Port Huron, and west of Huronia Beach. Common in pine woods. Also in Lambton county, Ontario. A very beautiful plant in bloom.

EUPHORBIACEÆ. SPURGE FAMILY.

632. *Acalypha virginica* L. Virginia three-seeded mercury. Three-seeded mercury. Mercury-weed. Common in woods, thickets and fields. Also in Lambton county, Ontario.
- 632-a. *Ricinus communis* L. Castor-oil plant. Castor-bean. Palma christi. Stedfast. Oil-plant. Man's motherwort. Bofareira. Mexico-seed. Ricin. A medicinal plant. Probably from Africa. Planted for ornament, but not escaping. An annual plant here, but it becomes a tree farther south.
633. *Euphorbia polygonifolia* L. Seaside spurge. Knotweed spurge. Sand-spurge. Shore-spurge. Spurge. Common in sand along the lake shore. Also in Lambton county, Ontario.
634. *Euphorbia maculata* L. Milk purslane. Spotted spurge. Blotched spurge. French pursley. Spurge. Corn pusley. Spotted purslane. Spotted pussley. Milkweed. Spotted pursley. Black spurge. Black purslane. Black pussley. Black-spotted pursley. Black pursley. In streets, roads, fields, and along railroads, covering the ground often like a carpet. Also in Lambton county, Ontario.
635. *Euphorbia humistrata* Engelm. Hairy spreading spurge. Spurge. Along roads and railroads. Also in Lambton county, Ontario.
636. *Euphorbia nutans* Lag. (*Euphorbia preslii* Guss. in Gray.) Large spotted spurge. Upright spotted spurge. Black pursley. Milk-pursley. Eyebright. Corn-pursley. Spurge. Frequent in fields and thickets. Plentiful near the C. & G. T. Railway freight yards, west of the Tunnel Station. Also in Lambton county, Ontario.
637. *Euphorbia corollata* L. Blooming spurge. "Go-quick." (Local in St. Clair county, Michigan.) Milkweed. Large flowering spurge. Emetic-root. Hippo. Wild-hippo. Milk-pussley. Wild ipecac. Picac. Milk-purslane. Milk-ipecac. Snake-milk. White purslain. Purging-root. Milk-pursley. Apple-root. Bowman's-root. White purslane. White pussley. White pursley. Euphorbe a grand fleurs. Wolfsmilchwurzel. A medicinal plant. Common throughout the county. Very abundant in sand on and near the lake shore. Also in Lambton county, Ontario.
- 637½. *Euphorbia nicaeensis* All. Nicaean spurge. Spurge. From Europe. In sandy ground north of the city of Port Huron. Also in Lambton county, Ontario.
- 637-b. *Euphorbia marginata* Pursh. White-margined spurge. Snow-on-the-mountain. Variegated spurge. Mountain snow. Milk-weed. Ghost-weed. From the West. Occasionally found in yards, gardens and streets, but not yet established here. Plant poisonous. Honey made from its flowers is dangerous.
638. *Euphorbia platyphylla* L. Broad-leaved spurge. Cypress-spurge. Spurge. From Europe. On and near the banks of St. Clair river and along roads. Also in Lambton county, Ontario.

- 638-a. *Euphorbia helioscopia* L. Sun spurge. Wartweed. Wart-spurge. Sunweed. Seven-sisters. Mad woman's milk. Turnsole. Little-good. Cat's-milk. Wolf's-milk. Churnstaff. Wart-grass. Mouse-milk. Wartwort. Near Blackwell Station, Lambton county, Ontario. T. C. Wheatley.
639. *Euphorbia cyparissias* L. Cypress spurge. Quack salver's spurge. Milkweed. Graveyard moss. Tree-moss. Cypress. Garden spurge. Kiss-me-dick. Butter-nut. Irish moss. Bonaparte's crown. Balsam. Graveyard-weed. Welcome-to-our-house. From Europe. In yards, gardens, cemeteries, streets, roads, and fields. Also in Lambton county, Ontario.

CALLITRICHACEÆ. WATER STARWORT FAMILY.

640. *Callitriche palustris* L. (*Callitriche verna* L. in Gray.) Vernal water starwort. Water fennel. Water starwort. Water chickweed. Frequent along Belle river. Not noticed in any other locality.

ANACARDIACEÆ. SUMAC FAMILY.

641. *Rhus hirta* (L.) Sudw. (*Rhus typhina* L. in Gray.) Staghorn sumach. Sumach. Sumac. American sumac. Velvet sumac. Virginia sumac. Staghorn. Vinegar-tree. Vinegar-plant. Hairy sumac. Usually in dry ground in woods and thickets. Also in Lambton county, Ontario. A shrub or small tree often reaching a height of 40 feet with a trunk diameter of 9 inches. Wood soft, greenish-yellow, and weight per cubic foot 27 lbs. Bark rich in tannin.
642. *Rhus glabra* L. Smooth sumac. Upland sumac. Scarlet sumac. Shoe-make. Sumac. Senhalanac. White shumack. Mountain sumac. Dwarf sumac. Slick sumac. White sumac. Vinegar-tree. Pennsylvania sumac. Indian salt. Glatter sumach. A medicinal plant. Along the road and in edge of woods near the Oakland hotel at the city of St. Clair. Also in Ira township. A shrub from 2 to 20 feet high. Seldom a tree. Also in Lambton county, Ontario.
643. *Rhus aromatica* Ait. (*Rhus canadensis* Marsh. in Gray.) Fragrant sumac. Sweet-scented sumac. Sweet sumac. A medicinal plant. Rare in this county. Have seen only a few bushes along Black river above Beard's mill. Very plentiful in dry and poor ground northeast of Sarnia, Lambton county, Ontario.
644. *Rhus vernix* L. (*Rhus venenata* DC. in Gray.) Poison sumac. Poison ash. Poison elder. Swamp dogwood. Poison dogwood. Dogwood. Swamp sumac. Sumac. Poison oak. Poison-wood. Poison-tree. Poison swamp-sumac. Thunder-wood. In swamps. Plentiful along Mill creek near farm of Wm. Mason in Kenockee. Poisonous. Also in Lambton county, Ontario. The poisonous material in this and the next plant is a non volatile oil known as toxicodendrol, and is found in all parts of the plant. A shrub or small tree often growing 25 feet high with a diameter of six inches. Wood soft, yellowish-brown, and weight per cubic foot 27 lbs.
645. *Rhus radicans* L. (*Rhus toxicodendron* L. in Gray.) Poison ivy. Climbing ivy. Three-leaved ivy. Poison oak. Climath. Poison-vine. Mercury. Picry. Black mercury. Markry. Mark-weed. Poison oak sumac. Trailing sumac. Climbing sumac. Poison ivy vine. Sumach veneneux. Giftsumach. A medicinal plant. In woods, thickets, and along fences. Common throughout the county. Plentiful along the lake shore near Huronia Beach. Also in Lambton county, Ontario. Usually this plant is from eight inches to two feet high. When growing near a tree, this plant becomes a long and conspicuous vine.
- 645-a. *Rhus cotinus* L. Smoke-tree. Venetian sumach. False fringe-tree. Venice-sumach. Smoke-plant. Aaron's-beard. Poison-ash. Feather-tree. Zante-wood. Wig-tree. Purple fringe. Young fustic. Wild olive. Often remaining in old yards, but not spreading.

ILICACEÆ. HOLLY FAMILY.

646. *Ilex verticillata* (L.) A. Gray. Virginia winterberry. Black alder. Fever-bush. Winterberry. Stripped alder. Brook alder. False alder. Common winterberry. White alder. A medicinal plant. Common in wet ground and swamps. Also in Lambton county, Ontario. A shrub from 6 to 25 feet high.
647. *Ilicoides mucronata* (L.) Britton. (*Nemopanthes fascicularis* Raf. in Gray.) Wild holly. Mountain holly. Brick-timber. Cat-berry. In cold wet ground and swamps. Also in Lambton county, Ontario. A shrub from 6 to 8 feet high.

CELASTRACEÆ. STAFF-TREE FAMILY.

648. *Euonymus obovatus* Nutt. (*Euonymus americanus obovatus* T. & G. in Gray.) Running strawberry bush. Strawberry bush. American strawberry bush. Common in damp woods. Also in Lambton county, Ontario.

649. *Celastrus scandens* L. Shubby bittersweet. Climbing bittersweet. Wax-work. Staff-tree. Staff-vine. Fever-twig. False bittersweet. Bittersweet. Climbing staff-tree. Climbing orange-root. Roxbury wax-work. Jacob's-ladder. Fever-twitch. Wax-wort. Yellow-root. A medicinal plant. Common in damp thickets, woods, and along streams. Also in Lambton county, Ontario. A beautiful vine, especially when in fruit. So far as I can ascertain this plant is known throughout Michigan as bittersweet or Bittersweet berries. Have seen vines over four inches in diameter and climbing to the top of trees 75 feet high.

STAPHYLEACEÆ. BLADDER-NUT FAMILY.

650. *Staphylea trifolia* L. American bladder-nut. Bladder-nut. In damp woods, thickets, and along streams. Also in Lambton county, Ontario. A branching shrub from 6 to 15 feet high.

ACERACEÆ. MAPLE FAMILY.

651. *Acer saccharinum* L. (*Acer dasycarpum* Ehrh. in Gray.) Silver maple. Maple. Soft maple. White maple. River-maple. Silver-leaved maple. Water-maple. Creek-maple. Red-river maple. Curly-maple. Swamp-maple. In damp ground and along streams. Plentiful about Capac and along Belle and Pine rivers. Also in Lambton county, Ontario. A large tree often from 100 to 120 feet high and a trunk diameter of from 3 to 5 feet. Wood hard, strong, light colored, and weight per cubic foot 32 lbs.
652. *Acer rubrum* L. Red maple. Scarlet maple. Water-maple. Swamp maple. Soft maple. White maple. Hard maple. Maple. Shoe-peg maple. Curly maple. Erable. Ah-weh-hot-kwah, that is, red flower, (Onondaga Indians N. Y.). Striped maple. Whistewood. False dogwood. A medicinal plant. In low and wet ground. Our commonest maple. Most of the maples set out in the streets of the city of Port Huron are of this species. Also in Lambton county, Ontario. Mr. Frank H. Tuttle of Port Huron, Mich., who has had an extended experience in wood working and manufacture, tells me that the name "curly maple" should be applied to the soft maples and not to the sugar maples. A large tree often 120 feet high with a trunk diameter of from 3 to 4½ feet. Wood hard, not strong, light, reddish-brown, and weight per cubic foot 38 lbs. This and the preceding species are generally known, I think, among lumbermen as soft maples. The two following species are the sugar maples or hard maples.
653. *Acer saccharum* Marsh. (*Acer saccharinum* Wang. in Gray.) Sugar maple. Rock maple. Sugar-tree. Curly maple. Bird's-eye maple. Hard maple. Maple. Black maple. Maple sugar-tree. Maple rock. Sweet-tree. In rich woods. Also in Lambton county, Ontario. Not so common as the following in this locality. This and the following species produce an abundance of sap which is made into sugar and syrup. A large and very valuable tree growing from 100 to 120 feet high with a trunk diameter of 2½ to 3½ feet. Wood hard, strong, light reddish-brown, and weight per cubic foot 43 lbs.
654. *Acer nigrum* Michx. (*Acer saccharinum nigrum* T. & G. in Gray.) Black sugar maple. Black maple. Sugar maple. Maple. Hard maple. Common along our streams. Also in Lambton county, Ontario. A tree nearly the size of the preceding and the wood similar. The sap also yields much sugar.
655. *Acer spicatum* Lam. Mountain maple. Swamp-maple. Mountain maple bush. Moose-maple. Low maple. Water-maple. Maple. Frequent in wet woods and swamps. Plentiful west of Huronia Beach. Also in Lambton county, Ontario. A small tree. Usually a shrub, but sometimes a small tree 30 feet high, with a trunk diameter of 8 inches. Wood soft, light reddish-brown and weight per cubic foot 33 lbs.
- 655-a. *Acer platanoides* L. Norway maple. Maple. From Europe. Planted in streets and roads for ornament, but not spreading in this locality. A fine lot of these trees are planted in the street near the Oakland hotel in the city of St. Clair.
- 655-b. *Acer pseudo-platanus* L. Sycamore maple. Sycamore. Maple. From Europe. Planted in streets and roads for ornament, but not spreading.
- 655-c. *Acer negundo* L. (*Negundo aceroides* Moench. in Gray.) Box elder. Ash-leaved maple. Sugar maple. Ash-maple. Maple-ash. Cut-leaved maple. Negundo maple. Red-river maple. Three-leaved maple. Black ash. Stinking ash. Sugar-ash. Water-ash. Planted in yards and streets, but not spreading. Native farther south and west. A tree growing from 60 to 70 feet high with a trunk diameter of from 2 to 3½ feet, wood soft, weak, creamy white and weight per cubic foot 27 lbs.

HIPPOCASTANACEÆ. BUCKEYE FAMILY.

656. *Æsculus hippocastanum* L. Horse-chestnut. Common horse-chestnut. Lambs. Bongay. Buckeye. Spanish chestnut. From Asia. A medicinal plant. Planted in yards, streets, and roads as an ornamental tree, and occasionally escaping. Perhaps it may be considered established here. Also in Lambton county, Ontario. Plant poisonous, especially the fruit. In children's games the fruit is often called "conquerors." The bark and nuts of this tree are used as a snuff to promote nasal discharge, and as a wash for indolent ulcers. The nut

itself is used as a salve with lard, or as a wash, for rheumatism. The nut shell is narcotic. In England the fruit is fed to animals, but only after the removal of the poison by thorough washing with alkali and water and then boiling. Cases of poisoning have arisen from overdoses in medicine. Bulletin No. 20, 1898, United States Department of Agriculture. A large tree often growing 100 feet high with a trunk diameter of 6 feet.

- 656-a. *Æsculus pavia* L. Red buckeye. Small buckeye. Little buckeye. Fish-poison. Occasionally planted in the city of Port Huron for ornament. A good specimen in the yard of Dr. Cyrus M. Stockwell on Seventh St., in the city of Port Huron. Native farther south and east. Poisonous. The poisonous constituent is nearly identical with that of the corn cockle, and it is found especially in the young shoots and in the seed. The records of its poisonous action are mostly confined to its use as a means of procuring fish, but cattle are often killed by eating the fruit. It was formerly, and perhaps is still, the practice to stir the bruised seeds or twigs into small ponds and gather the stupefied fish by hand as they rise to the surface. When thoroughly cooked these fish are quite wholesome. Bulletin No. 20, 1898, United States Department of Agriculture.

BALSAMINACEÆ. JEWEL-WEED FAMILY.

657. *Impatiens biflora* Walt. (*Impatiens fulva* Nutt. in Gray.) Spotted touch-me-not. Touch-me-not. Silver-leaf. Celandine. Kicking-horses. Cowslip. Wild touch-me-not. Jewel-weed. Snap-weed. Balsam. Solentine. Ear-jewel. Wild celandine. Wild balsam. Silver-weed. Weathercock. Snap-dragon. Kicking-colt. Shining-grass. Speckled jewels. Pale touch-me-not. Speckled jewel-weed. Slipper-weed. Balsam-weed. Lady's ear-drop. Lady's slipper. Wild lady's slipper. Silver cap. Lady's pocket. Brook celandine. Very common in damp woods and in damp ground generally. Also in Lambton county, Ontario.
658. *Impatiens aurea* Muhl. (*Impatiens pallida* Nutt. in Gray.) Pale touch-me-not. Touch-me-not. Snap-weed. Silver-weed. Balsam. Wild balsam. Jewel-weed. Quick-in-the-hand. Slippers. Wild celandine. Slipper-weed. Balsam-weed. Weather-cock. Wildes schoellkraut. A medicinal plant. Plentiful on the flats along Black river below Beard's Mill. Occasionally found in other parts of the county. Also in Lambton county, Ontario. T. C. Wheatley. Not so common as the preceding. These last two plants are very much alike in general appearance. The flowers of the first are yellow with small dark spots, of the second, pale yellow. Most of the common names might be equally well applied to both.
- 658-a. *Impatiens balsamina* L. Garden balsam. Balsam. Ladies' slippers. Balsam-weed. From India. Planted in yards and gardens, but not escaping.

RHAMNACEÆ. BUCKTHORN FAMILY.

659. *Rhamnus alnifolia* L'Her. Alder-leaved buckthorn. Dwarf alder. Buckthorn. Common in Damp ground and swamps. Also in Lambton county, Ontario.
- 659-a. *Rhamnus frangula* L. Alder buckthorn. Black alder. Berry-alder. Arrow-wood. European buckthorn. Black dogwood. Black alder dogwood. Butcher's prick-tree. Black alder-tree. Persian berry. European black alder. Nerprun. Kreuzdornbeeren. A medicinal plant. From Europe. Often planted in yards and gardens, but not spreading here. A shrub about 8 feet high.
660. *Ceanothus americanus* L. New Jersey tea. Redroot. Wild snowball. Wild pepper. Walpole tea. Sprangles. Bohea. Jersey tea. Mountain-sweet. New Jersey tea-tree. Ceanothe Seckelblumen-wurzel. A medicinal plant. Common in open woods and thickets. Also in Lambton county, Ontario.
661. *Ceanothus ovatus* Desf. Smaller redroot. Redroot. In dry and poor ground. Rare. Also in Lambton county, Ontario. Rare.

VITACEÆ. GRAPE FAMILY.

662. *Vitis æstivalis* Michx. Summer grape. Small grape. Grape. Wild grape. Be-mah-gut (Indians.) Common in woods and thickets. Also in Lambton county, Ontario. Leaves white on the under side. Fruit sour but edible. This species is perhaps doubtful.
663. *Vitis bicolor* Le Conte. Blue grape. Winter grape. Grape. Wild grape. In woods. Also in Lambton county, Ontario. Fruit sour, but edible.
664. *Vitis vulpina* L. (*Vitis riparia* Michx. in Gray.) River grape. Sweet-scented grape. Arroyo grape. Wild fox-grape. Grape. Bull-grape. Wild grape. Muscadine grape. Winter grape. Frost-grape. Fox-berry. Fox-grape. Sour grape. Be-mah-gut (Indians.) Common along the banks of streams. Also in Lambton county, Ontario. Fruit in this locality very sour but edible.
- 664-a. *Ampelopsis tricuspidata* Sieb. & Zucc. Japan ivy. Boston ivy. Ampelopsis. From Japan. A very beautiful vine planted in yards and climbing up the sides of buildings, but not spreading. Just beginning to be introduced into Port Huron.

665. *Parthenocissus quinquefolia* (L.) Planch. (*Ampelopsis quinquefolia* Michx. in Gray.) Virginia creeper. False grape. American ivy. Woodbine. Five-finger. Five-fingered ivy. Five-leaf ivy. American joy. Creeper. Five-leaves. Wild woodbine. Wild woodvine. American woodbine. Woody climber. Vigne vierge. Amerikanischer epheu. A medicinal plant. Common in damp ground, woods, and thickets. Also in Lambton county, Ontario. Often planted in yards. A beautiful plant.

TILIACEÆ. LINDEN FAMILY.

666. *Tilia americana* L. Bass-wood. American linden. White-wood. Whistle-wood. Daddy-nuts. Lin-tree. Lin. Linn. Linden. Limetree. Bee-tree. Black limetree. Smooth-leaved lime-tree. White lind. Monkey-nut tree. Wickup. Yellow basswood. Leln. American basswood. Spoon-wood. Linden-flowers. Bast-tree. Tilia flowers. Wuckopy. A medicinal plant. Common in rich woods and along river bottoms. Also in Lambton county, Ontario. Wood soft, weak, light brown or reddish, weight per cubic foot 28 lbs. Used for cabinet work and for paper pulp. A large forest tree from 60 to 125 feet high, with a trunk diameter of from 2 to 6 feet.
- 666-a. *Tilia europæa* L. European linden. European limetree. Locust-bloom. Tilia flowers. Til-tree. Teyl-tree. Lin. From Europe. Often planted in yards, and in streets and roads as an ornamental tree, but not escaping. The name of this tree, lin, was the origin of the family name of Linnæus, the great botanist.

MALVACEÆ. MALLOW FAMILY.

- 666-b. *Althea rosea* Cav. Hollyhock. Althæ rose. Malva flowers. A medicinal plant. From Europe. Often remaining for a time in old yards and gardens, but not spreading.
667. *Malva sylvestris* L. High mallow. Common mallow. Common high mallow. Mal-low. Cheese-flower. Cheese-cake. Country mallow. Pick-cheese. Round-dock. Maul. Malva. From Europe. In yards and gardens, and occasionally escaping to streets and roads. Also in Lambton county, Ontario.
668. *Malva rotundifolia* L. Low mallow. Dwarf mallow. Running mallow. Mallow. Cheeses. Dutch cheese. Doll cheeses. Fairy cheeses. Pellas. Malice. Cheesetts. Cheese-plant. Malva-flowers. Country mallow. Common mallow. Blue mallows. Mallow commune. Common low mallow. A medicinal plant. From Europe. A weed in yards, gardens, streets, roads, and fields. Also in Lambton county, Ontario.
669. *Malva moschata* L. Muskmallow. Musk-plant. Musk. Mush. Musk-seed. Musk-seed plant. Syrian mallow. Rose-mallow. Water-mallow. Mallow. From Europe. Frequent along streets, roads, and in fields. Also in Lambton county, Ontario.
670. *Abutilon abutilon* (L.) Rusby. (*Abutilon avicennæ* Gaert. in Gray.) Velvet-leaf. Indian mallow. American jute. American hemp. Butter-print. Pie-print. Cotton-weed. Pie-marker. Indian-hemp. Butter-weed. Velvet-leaf weed. Sheep-weed. Mormon-weed. Velvet-weed. Button-weed. From southern Asia. A weed in gardens, streets, roads, and fields. Also in Lambton county, Ontario.
671. *Hibiscus trionum* L. Bladder ketmia. Flower-of-an-hour. Venice mallow. Black-eyed-susan. Devil's-head-in-a-bush. Modesty. From Europe. A weed in gardens and fields about Marine City. Also near St. Clair. Miss N. P. Whiting.

HYPERICACEÆ. ST. JOHN'S-WORT FAMILY.

672. *Hypericum ascyron* L. Great St. John's-wort. Giant St. John's-wort. St. John's-wort. Great-flowered St. John's-wort. In low ground and on banks of streams. Also in Lambton county, Ontario.
673. *Hypericum kalmianum* L. Kalm's St. John's-wort. St. John's-wort. Shrubby St. John's-wort. Rare in St. Clair county. Plentiful in low ground north of Sarnia, Lambton county, Ontario.
674. *Hypericum prolificum* L. Shrubby St. John's-wort. Broom-brush. St. John's-wort. Paint-brush. Rock-rose. In open woods and thickets. Grows in bunches. Also in Lambton county, Ontario.
675. *Hypericum perforatum* L. Common St. John's-wort. St. John's-wort. Touch-and-heal. Cammock. Johnswort. St. John. A medicinal plant. From Europe. Frequent in streets, roads, fields, and open woods. Mostly in dry and poor ground. Also in Lambton county, Ontario.
676. *Hypericum maculatum* Walt. Spotted St. John's-wort. Corymbes St. John's-wort. St. John's-wort. Common in moist woods and thickets. Also in Lambton county, Ontario.
677. *Hypericum mutilum* L. Dwarf St. John's-wort. Small-flowered St. John's-wort. St. John's-wort. Small St. John'swort. Slender St. John's-wort. Very common in damp ground. Also in Lambton county, Ontario.

678. *Hypericum majus* (A. Gray). Britton. (*Hypericum canadense majus* A. Gray in Gray.) Larger canadian St. John's-wort. St. John's-wort. Near Adair. A. F. Foerste. Also in Lambton county, Ontario.
679. *Hypericum canadense* L. Canadian St. John's-wort. St. John's-wort. In wet ground and marshes especially around Capac. Also in Lambton county, Ontario.
680. *Triadenum virginicum* (L.) Raf. (*Elodes campanulata* Pursh in Gray.) Marsh St. John's-wort. St. John's-wort. Common in marshes and swamps. Also in Lambton county, Ontario.

CISTACEÆ. ROCK-ROSE FAMILY.

681. *Helianthemum canadense* (L.) Michx. Long-branched frostweed. Frostweed. Rock-rose. Frostwort. Canadian rock rose. Frost flower. Frost-plant. Scrofula-plant. Sun-rose. Common frostweed. Canadian frostweed. *Heliantheme de canada*. *Canadisches sonnerroschen*. A medicinal plant. Common in dry and poor ground. Also in Lambton county, Ontario.
- 681-a. *Helianthemum majus* (L.) B. S. P. Hoary frostweed. Frost-weed. Frostwort. Common in dry ground. Also in Lambton county, Ontario. First noticed by J. W. Stacey.
682. *Lechea minor* L. Tyme-leaved pin-weed. Pin-weed. Smaller pin-weed. Frequent in dry and poor ground. Also in Lambton county, Ontario.
- 682½. *Lechea intermedia* Legget. Large-podded pinweed. Pinweed. Frequent in dry and poor ground. Also in Lambton county, Ontario.
683. *Lechea villosa* Ell. (*Lechea major* Michx. in Gray.) Large pinweed. Hairy pinweed. Pinweed. Greater pinweed. Common in dry and poor ground. Also in Lambton county, Ontario.

VIOLACEÆ. VIOLET FAMILY.

684. *Viola obliqua* Hill. (*Viola palmata cucullata* Gray in Gray.) Meadow violet. Hooded blue violet. Violet. Wild violet. Blue violet. Fighting cocks. Johnny jump-ups. Roosters. Hood-leaf violet. Johnnies. Common violet. Common blue violet. In damp ground, woods, meadows and marshes. Our commonest violet. Also in Lambton county, Ontario. This is found with pure white flowers north of Sarnia, Lambton county, Ontario.
685. *Viola sagittata* Ait. Sand violet. Spade-leaf violet. Arrow-leaved violet. Wild violet. Violet. Red violet (local St. Clair County, Michigan). In poor, sandy and dry ground. Leaves small early in the season, but later becoming large. Also in Lambton county, Ontario. The description of this violet will be found in Gray's Manual, sixth edition.
- 685½. *Viola emarginata* (Nutt.) Le Conte. Triangled-leaved violet. Violet. Wild violet. In meadows on Harsen's Island. First noticed by J. W. Stacey.
- 685-a. *Viola odorata* L. English violet. Marsh violet. Sweet violet. Violet. Sweet European violet. Violet leaves. Violet flowers. Sweet-scented violet. From Europe. Planted in gardens and yards, but not yet escaping here.
686. *Viola blanda* Willd. Sweet white violet. White violet. American^o sweet violet. In swamps, marshes, and wet meadows. Also in Lambton county, Ontario.
687. *Viola renifolia* A. Gray. (*Viola blanda renifolia* Gray in Gray.) Kidney-leaved violet. White violet. Violet. Sweet white violet. In woods, meadows, and thickets. Also in Lambton county, Ontario.
688. *Viola pubescens* Ait. Hairy yellow violet. Yellow violet. Downy yellow violet. Violet. Common in dry woods. Also in Lambton county, Ontario.
689. *Viola scabriuscula* (T. & G.) Schwein. (*Viola pubescens scabriuscula* T. & G. in Gray.) Smoothish yellow violet. Downy yellow violet. Yellow violet. Violet. In damp woods and thickets. Also in Lambton county, Ontario.
690. *Viola canadensis* L. Canada violet. American sweet violet. Violet. Hens. June-flower. In rich woods. Plentiful in the woods near North St., and along Black river above and below Beard's mill. Also in Lambton county, Ontario. One of our most beautiful violets.
691. *Viola striata* Ait. Pale violet. Striped violet. Violet. Near Algonac, and along Black river above and below Beard's mill.
692. *Viola labradorica* Schrank. (*Viola canina muhlenbergia* Gray in Gray.) American dog-violet. Violet. Dog-violet. Running violet. In damp ground and marshes. Also in Lambton county, Ontario.
693. *Viola rostrata* Pursh. Long-spurred violet. Spurred violet. Beaked violet. Canker violet. Violet. In damp woods and thickets. Also in Lambton county, Ontario.

- 693-a. *Viola tricolor* L. Pansy. Lady's delight. Heartsease. Johnny jump-up. Johnny jumper. Violet. Monkey's face. Love-in-idleness. Fancy. Biddy's eyes. Herb trinity. Trinity violet. Cats' faces. Flamy. Kliss-me. Heart's-pansy. Kisses. Garden gate. None-so-pretty. Battlefield-flower. Cupid's delight. Garden violet. Tame violet. Stepmother. Johnnies. Pensée. Freisamkraut. A medicinal plant. From Europe. In yards and gardens, but not escaping here.
- 693-b. *Viola tenella* Muhl. (*Viola tricolor arvensis* Hook. in Gray.) Field pansy. Field violet. Found by W. W. Weir growing wild at Crosswell, Sanilac county, north of this county.

THYMELEACEÆ. MEZEREON FAMILY.

694. *Dirca palustris* L. Leather-wood. Moose-wood. Wicopy. Wickup. Indian wickape. American mezereon. Leaver-wood. Lever-wood. Leather-bush. Rope-bark. Swamp-wood. Wicopy bark. Frequent in rich woods and thickets. Plentiful in woods near North St. Also in Lambton county, Ontario. The bark very strong and may be used for strings. Mr. M. F. Carelton of the city of Port Huron says that a salve made from this plant is a sure cure for inflammation of the eyes.

ELEAGNACEÆ. OLEASTER FAMILY.

- 694-a. *Eleagnus argentea* Pursh. Silver-berry. One tree in yard of B. D. Austin on Butler St. in the city of Port Huron. Tree 25 feet high, blooms abundantly, but seldom produces fruit. Native in the northwest.
695. *Lepargyrea canadensis* (L.) Greene. (*Shepherdia canadensis* Nutt. in Gray.) Canadian buffalo-berry. Wild oleaster-tree. Wild olive-tree. Buffalo-berry. In open woods and on banks of streams. Plentiful on the lake shore above Huronia Beach. Also in Lambton county, Ontario. A shrub from 4 to 8 feet high.

LYTHRACEÆ. LOOSESTRIFE FAMILY.

696. *Decodon verticillatus* (L.) Ell. Swamp loosestrife. Swamp willow-herb. Wild oleander. Peatweed. Slink-weed. In swamps north of Capac and near Algonac.
697. *Lythrum alatum* Pursh. Wing-angled loosestrife. Milk-willow. Milk willow-herb. Loosestrife. In damp and marshy ground about Algonac and north of the city of Port Huron. Also in Lambton county, Ontario.
698. *Lythrum salicaria* L. Spiked loosestrife. Purple loosestrife. Spiked willow-herb. Long-purples. Purple-grass. Red-sally. Loosestrife. Sage-willow. Rainbow-weed. Purple willow-herb. Willow-sage. Soldiers. Willow-weed. Willow-wort. Milk willow-herb. From Europe. Appearing as a weed in the streets of the city of Port Huron now for several years.

ONAGRACEÆ. EVENING-PRIMROSE FAMILY.

699. *Isnardia palustris* L. (*Ludwigia palustris* Ell. in Gray.) Marsh purslane. Water purslane. False loosestrife. Phthisic-weed. Common in swamps, edges of ponds, and muddy ditches. Also in Lambton county, Ontario.
700. *Ludwigia polycarpa* Short & Peter. Many-fruited ludwigia. False loosestrife. In swamps about Capac, Algonac, and on Harsen's Island. Also in Lambton county, Ontario.
701. *Chamaenerion angustifolium* (L.) Scop. (*Epilobium angustifolium* L. in Gray.) Great willow-herb. Spiked willow-herb. Fire-weed. Willow-herb. Bay willow-herb. Bay-willow. French willow. Persian willow. Wickopy. Rose-bay. Wickup. Mare's-tail. French willow-herb. Herb-wickopy. Wickopy-root. Wickopy-herb. Flowering-willow. Indian-wickopy. Purple rocket. Sally-bloom. Blooming-sally. Blooming willow. Siberian flax. Pigweed. Fire-top. Burnt-weed. A medicinal plant. Common in dry ground and dry open woods. Appearing abundantly after land has been burned over. Also in Lambton county, Ontario. A showy and pretty plant when in bloom.
702. *Epilobium lineare* Muhl. Linear-leaved willow-herb. Willow-herb. Frequent in marshes and swamps.
703. *Epilobium strictum* Muhl. Downy willow-herb. Soft willow-herb. Willow-herb. Frequent in swamps and wet boggy ground.
704. *Epilobium coloratum* Muhl. Purple-leaved willow-herb. Purple-veined willow-herb. Willow-herb. In low, damp ground. Not common. Also in Lambton county, Ontario.
705. *Epilobium adnunciatum* Haussk. Northern willow-herb. Willow-herb. Very common in wet ground, marshes, and swamps. Also in Lambton county, Ontario.

706. *Onagra biennis* (L.). (*Oenothera biennis* L. in Gray.) Common evening primrose. Evening primrose. Night willow-herb. Scabish. Four-o'clock. Large campion. Scurvish. Fever-plant. Coffee-plant. King's-cure-all. Tree primrose. A medicinal plant. Very common. Its flowers are yellow, open in the evening, at night, early in the morning, or on a cloudy day. Very variable. In good ground the plant looks well, but in poor and dry sandy ground, it is very coarse and ill looking. Also in Lambton county, Ontario.
- 706-a. *Meriollia serrulata* (Nutt.) Walp. (*Oenothera serrulata* Nutt. in Gray.) Tooth-leaved primrose. Along the G. T. Railway north of Sarnia, Lambton county, Ontario. Rare. An immigrant from the West.
707. *Circæa lutetiana* L. Enchanter's nightshade. Bindweed nightshade. Wild mandrake. Common in damp woods. Also in Lambton county, Ontario.
708. *Circæa alpina* L. Smaller enchanter's nightshade. Enchanter's nightshade. False sarsaparilla. Common in damp moist woods. Also in Lambton county, Ontario.

HALORAGIDACEÆ. WATER-MILFOIL FAMILY.

709. *Proserpinaca palustris* L. Mermaid-weed. Common in swamps and marshes. Also in Lambton county, Ontario.
710. *Myriophyllum spicatum* L. Spiked water-milfoil. Water-milfoil. Navelwort. Myriad-leaf. Meakin. In Pine river at St. Clair. Dr. A. E. Gurd.

ARALIACEÆ. GINSENG FAMILY.

711. *Aralia racemosa* L. American spikenard. Indian-root. Spice-bush. Life-o'-man. Old man's-root. Spignet. Life-of-man. Petty morrell. Spikenard. *Aralia* bark. A medicinal plant. Frequent in rich woods. Also in Lambton county, Ontario.
712. *Aralia nudicaulis* L. Wild sarsaparilla. Virginia sarsaparilla. Sarsaparilla. Small spikenard. Rabbit-root. Sasapril. Sasafil. Shotbush. Wild licorice. Saxapril. Sasafarilla. Sassafariller. American sarsaparilla. False sarsaparilla. Common wild sarsaparilla. Common sarsaparilla. *Aralia* nude. Naktke arallenwurz. A medicinal plant. Very common in rich woods. Also in Lambton county, Ontario.
713. *Aralia hispida* Vent. Bristly sarsaparilla. Wild elder. Pigeon-berry. Dwarf elder. Bristle-stem sarsaparilla. Rough sarsaparilla. Hyeble. A medicinal plant. In poor and dry ground. Also in Lambton county, Ontario.
714. *Panax quinquefolium* L. (*Aralia quinquefolia* Decsne & Planch. in Gray.) Ginseng. True ginseng. Sang. Ginshang. American ginseng. Ninsin. Grantogen. Ginsing. Red-berry. Five-fingers-root. Ninsin-root. Garantogen. A medicinal plant. On the flats along Black river above and below Beard's mill. Also along Mill creek. Becoming very scarce. Being esteemed very highly by the Chinese for medicinal purposes, the root is valuable for export to China, and hence it has been dug up for profit and nearly exterminated in this locality. In some parts of the United States, it is now being extensively cultivated for export. In our country it is not considered a very valuable medicinal plant.
715. *Panax trifolium* L. (*Aralia trifolia* Decsne & Planch. in Gray.) Dwarf ginseng. Ground-nut. Common in rich woods. Also in Lambton county, Ontario. Root edible and about the size of a small marble. Often dug up and eaten by chipmunks and squirrels.

UMBELLIFERÆ. CARROT FAMILY.

716. *Daucus carota* L. Wild carrot. Garden carrot. Carrot. Common carrot. Bird's-nest. Crow's-nest. Queen anne's lace. Rantipole. Lace-flower. Devil's-plague. Bee's-nest plant. Bird's-nest-root. Parsnip. A medicinal plant. From Europe. Lately beginning to spread along streets, roads, and railroads. In many places it becomes a pernicious weed.
717. *Angelica atropurpurea* L. Great angelica. Purple-stemmed angelica. Masterwort. High angelica. Garden angelica. Archangel. Aunt jerichos. Angelica. Masterwort. American angelica. Dead nettle. Bellyache-root. Wild archangel. Engelwurz. A medicinal plant. On the flats near Beard's mill. Rare. Only locality noticed. Also in Lambton county, Ontario. T. C. Wheatley.
718. *Heracleum lanatum* Michx. Cow-parsonip. Masterwort. Madness. Field parsonip. Youthwort. Madnep. A medicinal plant. Common in moist ground, especially along the banks of streams. Also in Lambton county, Ontario.
719. *Pastinaca sativa* L. Wild parsonip. Madnep. Tank. Parsnip. Common parsonip. Bird's-nest. Hart's-eye. Garden parsonip. Queen-weed. Parsnep. From Europe. Frequent in streets, roads, fields, open woods, and along streams and railroads. Thoroughly naturalized in this locality. Also in Lambton county, Ontario.

720. *Sanicula marylandica* L. Sanicle. Black snake-root. Black sanicle. Common in rich, damp ground and in rich woods. Also in Lambton county, Ontario.
- 720½. *Sanicula trifoliata* Bicknell. Large-fruited snakeroot. Snakeroot. Frequent in woods throughout the county. Also in Lambton county, Ontario. First noticed by J. W. Stacey.
721. *Pimpinella integerrima* (L.) A. Gray. Yellow pimpinell. Golden alexanders. Common in dry and sandy ground. Also in Lambton county, Ontario.
722. *Washingtonia claytoni* (Michx.) Britton. (*Osmorrhiza brevistylis* DC. in Gray.) Woolly sweet-cicely. Sweet-cicely. Sweet anise. Sweet-jarvil. Hairy sweet-cicely. Very common in rich woods. Also in Lambton county, Ontario.
723. *Washingtonia longistylis* (Torr.) Britton. (*Osmorrhiza longistylis* DC. in Gray.) Smoother sweet-cicely. Sweet-cicely. Cicely-root. Sweet anise. Anise-root. Sweet chervil. Sweet-jarvil. A medicinal plant. Frequent in rich woods. Also in Lambton county, Ontario. Not so common here as the preceding.
724. *Conium maculatum* L. Poison hemlock. St. Bennet's herb. Cashes. Wode-whistle. Hemlock. Spotted hemlock. Herb bennet. Poison-root. Bunk. Spotted conium. Poison parsley. Cicuta. Spotted cow-bane. Conium. Poison snakeroot. Stinkweed. Poison snakeweed. Beaver poison. Musquash-root. Water hemlock. Wild hemlock. Spotted parsley. Water parsley. Grande cicué. Scherlingsfruchte. A medicinal plant. From Europe. Frequent along roads and in waste places. Also in Lambton county, Ontario. Plant poisonous. This is believed to be the plant used by the Greeks to kill Socrates and other state prisoners.
725. *Sium cicutæfolium* Gmel. Hemlock water-parsnip. Wild parsnip. Water-parsnip. Common in swamps, marshes, shallow ponds, and borders of streams. Also in Lambton county, Ontario.
726. *Zizia aurea* (L.) Koch. Early meadow-parsnip. Golden meadow-parsnip. Meadow-parsnip. Alexanders. Golden alexanders. Wild parsley. Common in fields, meadows, and open woods. Also in Lambton county, Ontario.
727. *Carum carui* L. Caraway. Garden caraway. Carvies. Caraway seed. A medicinal plant. From Europe. Becoming very common in streets, roads, and fields throughout the county. Also in Lambton county, Ontario.
728. *Cicuta maculata* L. Water hemlock. Masquash root. Spotted cowbane. Cowbane. Beaver-poison. Musquash-poison. Wild hemlock. Muskrat weed. Snake-weed. Spotted water hemlock. Wild parsnip. American water hemlock. Spotted parsley. Poison snakeweed. Children's-bane. American hemlock. Spotted hemlock. Poison hemlock. Death-of-man. Poison parsley. A medicinal plant. Very common here in low damp ground, damp woods and swamps. Root very poisonous. Probably the most poisonous plant in Michigan. Also in Lambton county, Ontario. No doubt many animals are killed by this plant. As the root is somewhat aromatic, it might be mistaken for the root of sweet-cicely. Early in the spring cattle, sheep, and horses might be poisoned by biting the plant too close to the root.
729. *Cicuta bulbifera* L. Bulb-bearing water hemlock. Water hemlock. Frequent in swamps and marshes. Also in Lambton county, Ontario. Root poisonous. This plant produces very little seed, but is propagated mostly by little bulbs from the axils of the leaves which float away on, and are thus scattered by, water.
730. *Deringa canadensis* (L.) Kuntze. (*Cryptotaenia canadensis* DC. in Gray.) Hone-wort. Very common in damp and rich woods. Also in Lambton county, Ontario.
731. *Erigenia bulbosa* (Michx.) Nutt. Harbinger-of-spring. Daughter-of-spring. Turkey-pea. Pepper and salt. West of Huronia Beach, and on the wooded bluff below Beard's mill. One of our earliest plants in bloom. Also in Lambton county, Ontario. T. C. Wheatley.

CORNACEÆ. DOG-WOOD FAMILY.

732. *Cornus canadensis* L. Low cornel. Dwarf cornel. Bunch-berry. Bunch-plums. Pudding-berry. Pigeon-berry. Cracker-berry. Bunch-berry cornel. Mostly in pine woods in this locality. Also in Lambton county, Ontario.
- 732-a. *Cornus florida* L. Flowering dogwood. Arrow-wood. Indian arrow-wood. Box-wood. Cornelian tree. Nature's-mistake. American dogwood. Dogwood. Dog-tree. False-box. Florida cornel. Flowering cornel. Florida dogwood. False box-wood. False box dogwood. Cornel. Buxtsee. New England boxwood. White cornel. Budwood. Virginia dogwood. A medicinal plant. About a dozen trees two miles northeast of Sarnia, Lambton county, Ontario. Only locality noticed. Tree often growing 40 feet high with a trunk diameter of one and one half feet. Wood hard, brown, and weight per cubic foot 50 lbs.

733. *Cornus circinata* L'Her. Round-leaved cornel. Round-leaved dogwood. Green-osier. Dogwood. Swamp sassafras. Dog-achamus. Alder-leaved dogwood. Green-osier. Broad leaved dogwood. Green-osier dogwood. Plentiful in edge of woods along the lake shore. Seldom noticed in other localities. Also in Lambton county, Ontario. A shrub from 3 to 10 feet high.
734. *Cornus amomum* Mill. (*Cornus sericea* L. in Gray.) Silky cornel. Kinnikinnik. Red-willow. Red-brush. Squaw-brush. Swamp dogwood. Rose-willow. Red osier. Red osier. Red rose-willow. Red-rod. Red-wood. Blue-berry cornel. Kinnikinnik bark. Red-rod. Dogwood. A medicinal plant. In damp ground, edges of woods, and borders of marshes. Plentiful west of Huronia Beach. Also in Lambton county, Ontario. A shrub from 3 to 10 feet high.
735. *Cornus stolonifera* Michx. Red-osier cornel. Red-osier dogwood. Kinnikinnik. Red osier. Wild red osier. Squaw-bush. Red-brush. Red willow. Dogwood. Red dogwood. Waxberry cornel. Dogberry-tree. Gutter-tree. Red-bush. Very common in moist ground. Also in Lambton county, Ontario. This red shrub, after shedding its leaves, is very conspicuous in the fall, winter, and spring. A shrub from 3 to 15 feet high.
736. *Cornus candidissima* Marsh. (*Cornus paniculata* L'Her. in Gray.) Panicked cornel. Panicked dogwood. White cornel. Cornel dogwood. White cornel dogwood. White-fruited dogwood. Dogwood. Very common in damp ground. Also in Lambton county, Ontario. Berries white. A shrub from 6 to 15 feet high.
737. *Cornus alternifolia* L. f. Alternate-leaved cornel. Alternate-leaved dogwood. Blue dogwood. Dogwood. Purple dogwood. Umbrella-tree. Pigeon-berry. Green-osier. Common in damp woods. Also in Lambton county, Ontario. A shrub or small tree reaching a height of about 30 feet with a trunk diameter of about 8 inches.
738. *Nyssa sylvatica* Marsh. Pepperidge. Sour gum. Tupelo. Black gum. Sour gum-tree. Hornbeam. Hornbine. Horn-pine. Horn-pipe. Old man's beard. Wild pear tree. Yellow gum-tree. Stink-wood. Beetlebung. Snag-tree. Tupelo gum. Black gum-tree. Swamp hornbeam. Tupelo-tree. Frequent throughout the county. Also in Lambton county, Ont. A large tree, attaining a height of 110 feet and a diameter of five feet, but I have not noticed any so large in this county. Wood soft, light yellow, tough, and hard to split. Weight per cubic foot 40 lbs.

Series 2. Gamopetalæ.

PYROLACEÆ. WINTERGREEN FAMILY.

739. *Pyrola rotundifolia* L. Round-leaved wintergreen. False wintergreen. Larger wintergreen. Pear-leaved wintergreen. Indian lettuce. Canker lettuce. Copper-leaf. Copalm. Round-leaved pyrola. Pyrola. Shin-leaf. Wintergreen. Dollar-leaf. Consumption-weed. Wild lettuce. Lettuce liverwort. Liverwort. Lettuce. Frequent in pine woods. Also in Lambton county, Ontario. Plentiful in pine woods near the tollgate in the city of Port Huron on Pine Grove Ave. A very beautiful plant when in bloom, yet noticed by few. The common name "wintergreen" in this locality and I think in this state is not applied to this plant, but to No. 753.
740. *Pyrola chlorantha* Swartz. Greenish-flowered wintergreen. Shin-leaf. Shin-leaf wintergreen. Among the pines on the high and dry banks of Black river above Beard's mill. Not frequent.
741. *Pyrola elliptica* Nutt. Shin-leaf. Wild lily-of-the-valley. Pyrola. Common throughout the county. Also in Lambton county, Ontario. A beautiful plant when in bloom.
742. *Pyrola secunda* L. Serrated wintergreen. One-sided wintergreen. Shin-leaf. Pyrola. Frequent in pine woods. Also in Lambton county, Ontario.
743. *Moneses uniflora* (L.) A. Gray. One-flowered wintergreen. One-flowered pyrola. Pyrola. In pine woods near the tollgate on Pine Grove Ave. In the city of Port Huron. Only locality noticed.
744. *Chimaphila umbellata* (L.) Nutt. Pipsissewa. Prince's pine. Noble-pine. Bittersweet. Love-in-winter. Wintergreen. Rheumatism-weed. King's-cure. Ground-holly. Pyrola. Rheumatic weed. Bitter wintergreen. Pine-tulip. Pyrole ombellée. Doldenblutbigos harnkraut. A medicinal plant. Frequent in pine woods and occasionally in other localities. A beautiful plant.

MONOTROPACEÆ. INDIAN-PIPE FAMILY.

746. *Pterospora andromedea* Nutt. Giant bird's-nest. Pine drops. Albany beech-drops. False crawley. Gall-of-the-earth. Frequent in pine woods. Also in Lambton county, Ontario. T. C. Wheatley.

746. *Monotropa uniflora* L. Indian pipe. American ice-plant. Ghost-flower. Corpse-plant. Bird's-nest. Bird's-nest plant. Beech-drops. Convulsion-root. Dutchman's-pipe. Fairy-smoke. Ice-plant. Eyebright. Fit-root. Nest-root. Convulsion-weed. Ova ova. Fit-plant. Pipe-plant. Fit-root plant. A medicinal plant. Frequent throughout the county. Also in Lambton county, Ontario.
747. *Hypopitys hypopitys* (L.) Small. (*Monotropa hypopitys* L. in Gray.) Pine-sap. False beech-drops. Bird's-nest. Yellow bird's-nest. Fir-rape. In dry woods near Algonac. Rare. Only locality noticed.

ERICACEÆ. HEATH FAMILY.

748. *Ledum groenlandicum* Oeder. (*Ledum latifolium* Ait. in Gray.) Labrador tea. Gowiddle. Labrador. Continental-tea. A medicinal plant. In a swamp and marsh west of Capac. Only locality noticed in this county. Also northeast of Sarnia, Lambton county, Ontario. Rare. A shrub from one to four feet high.
749. *Kalmia glauca* Ait. Pale laurel. Swamp laurel. In a swamp and marsh west of Capac. Only locality noticed. A shrub from 6 inches to 2 feet high.
750. *Andromeda polifolia* L. Wild rosemary. Marsh holy-rose. Moorwort. Water andromeda. Marsh-rosemary. In a marsh and swamp west of Capac. Only locality noticed. A shrub from 1 to 3 feet high.
751. *Chamædaphne calyculata* (L.) Moench. (*Cassandra calyculata* D. Don. in Gray.) Leather-leaf. Dwarf cassandra. Plentiful in swamps about Capac, and in wet ground south of the city of Port Huron, along 24th St. A branching shrub from 2 to 4 feet high.
752. *Epigæa repens* L. Trailing arbutus. May-flower. Ground laurel. Shad-flower. Real may-flower. Winter-pink. Crocus. Gravel-weed. Mountain-pink. Gravel-plant. Arbutus. A medicinal plant. Plentiful west of Huronia Beach, at Ruby, and generally found in our pine woods. A prostrate branching shrub.
753. *Gaultheria procumbens* L. Spring wintergreen. Creeping wintergreen. Checker-berry. Jinks. Chinks. Ivory-plums. Ivory-leaves. Mountain-tea. Ivy-berry. Deer-berry. One-berry. Chicken-berry. Partridge-berry. Partridge-plant. Chickaberry. Drunkards. Wintergreen. Canada-tea. Box-berry. Wax-cluster. Spice-berry. Tea-berry. Spicy wintergreen. Aromatic wintergreen. Ground-berry. Grouse-berry. Red-pollom. Redberry-tea. Hillberry. To the young leaves the following names are applied: Youngsters. Young wintergreens. Pippins. Young chinks. Young ivories. Young come-ups. Little johnnies. A medicinal plant. Very common throughout the county. Also in Lambton county, Ontario. In our locality and in Michigan, so far as I can learn, this plant is known only by the common name "wintergreen," and the young leaves as "young wintergreens."
754. *Arctostaphylos uva-ursi* (L.) Spreng. Red bearberry. Klinnikinic. Fox-berry. Meal-berry. Mealy-berry. Mealy-plum. Meal-plum. Bear's-grape. Barren myrtle. Bilberry. Hog-cranberry. Mountain cranberry. Crowberry. Rock-berry. Bearberry. Upland cranberry. Universe-vine. Mountain-box. Wild cranberry. Wild upland cranberry. Rapperdandies. Sagackhoml. Busserole. Bare traube. Gayuba. A medicinal plant. Abundant in Lakeside cemetery. Frequent along the lake shore, and occasionally in other localities. Also along the lake shore in Lambton county, Ontario. A trailing shrub.

VACCINIACEÆ. HUCKLEBERRY FAMILY.

755. *Gaylussacia resinosa* (Ait.) T. & G. Black huckleberry. High-bush huckleberry. Black hurts. Black-snaps. Crackers. Common huckleberry. Winberry. Huckleberry. Black-whortleberry. Whortleberry. Very common in light and sandy ground in thickets and open woods. Also in Lambton county, Ontario. A shrub from 1 to 3 feet high.
756. *Vaccinium corymbosum* L. High-bush blueberry. Tall blue-berry. Giant whortleberry. High-bush huckleberry. Whortleberry. Huckleberry. Common huckleberry. Common swamp blueberry. Seedy deer-berry. Swamp blue-berry. Mee-na-ga (Indians). Common in low ground and swamps. Also in Lambton county, Ontario. I have always heard this plant called "huckleberry" or "high-bush huckleberry." A shrub from 6 to 15 feet high.
757. *Vaccinium canadense* Richards. Canada blueberry. Ground-hurts. Low-bush huckleberry. In marshes and swamps west of Capac. Only locality noticed in this county. Also in Lambton county, Ontario. T. C. Wheatley. A low branching shrub from 6 inches to 2 feet high.
758. *Vaccinium pennsylvanicum* Lam. Dwarf blueberry. Sugar blueberry. Early blueberry. Low-bush blueberry. Strawberry huckleberry. Huckleberry. Blueberry. Low blueberry. Blue-black whortleberry. Mee-na-ga (Indians). A low branching shrub from 6 inches to 2 feet high.

759. *Chiogenes hispidula* (L.) T. & G. (*Chiogenes serpyllifolia* Salisb. in Gray.) Creep-snowberry. Running birch. Ivory-plums. Cappillaire. Maiden-hair. Tea-berry. Running tea. Sugar-berry. Mountain partridge-berry. Spice-berry. Moxa. Moxie. Moxie-berry. In wet and boggy ground on the Bunce farm just below the city of Port Huron, and in a swamp near Wm. Mason's farm in Kenoskee. Rare. Also in Lambton county, Ontario. Rare.
760. *Oxycoccus macrocarpus* (Ait.) Pers. (*Vaccinium macrocarpon* Ait. in Gray.) Large cranberry. American cranberry. Cranberry. Marsh cranberry. Cram-berry. Bearberry. Bankberry. Common cranberry. Fenberry. Fengrape. Moss-berry. Sourberry. Snowberry. Sowberry. Swamp-redberry. Cranesberry. Mush-keg-ma-nan (Indians). In marshes and swamps. Formerly existing within the limits of the city of Port Huron, but now plentiful only in swamps and marshes about Capac. Fast dying out on account of drainage and fires. Also in Lambton county, Ontario.

PRIMULACEÆ. PRIMROSE FAMILY.

761. *Samolus floribundus* H. B. K. (*Samolus valerandi americanus* A. Gray in Gray.) Water pimpernel. Pimpernel. Brookweed. In low damp ground and along the edges of streams. Also in Lambton county, Ontario.
762. *Lysimachia quadrifolia* L. Crosswort. Whorled lossestrife. Lossestrife. Yellow-balm. Five-sisters. In edge of woods in dry ground back of David Beard's residence at Ruby. Only locality noticed.
763. *Lysimachia terrestris* (L.) B. S. P. (*Lysimachia stricta* Ait. in Gray.) Bulb-bearing lossestrife. Swamp candles. Loosestrife. Common in swamps, shallow ponds, and wet ground. Also in Lambton county, Ontario.
764. *Lysimachia nummularia* L. Moneywort. Creeping loosestrife. Creeping jenny. Wandering jenny. Herb-twopence. Down-hill-of-life. Money-plant. Wandering sailor. Infant's breath. Money-bags. Two-penny grass. From Europe. Growing wild along the road in clay ground below Marine City. Frequently planted in yards and gardens.
765. *Steironema ciliatum* (L.) Raf. Fringed loosestrife. Loosestrife. Very common in damp woods and thickets. Also in Lambton county, Ontario.
766. *Steironema quadriflorum* (Sims.) Hitchc. (*Steironema longifolium* Gray in Gray.) Prairie moneywort. Linear-leaved loosestrife. Common in marshes, wet ground, along streams, around edges of ponds and lakes. Also in Lambton county, Ontario.
767. *Naumburgia thyrsoflora* (L.) Duby. (*Lysimachia thyrsoflora* L. in Gray.) Tufted loosestrife. Loosestrife. Frequent in ditches, shallow ponds, and in edges of slow streams. Usually growing in shallow water, or where water has stood early in the season. Also in Lambton county, Ontario.
768. *Trientalis americana* Pursh. Star-flower. Chickweed winter-green. Star-flowered chickweed. Snake-flower. Star-anemone. May-star. Star-of-Bethlehem. Common in damp woods. Also in Lambton county, Ontario. A beautiful little flower.
769. *Anagallis arvensis* L. Red Pimpernel. Scarlet Pimpernel. Common Pimpernel. Pimpernel. Bird's-eye. Bird's-tongue. Eyebright. Poor Man's weather-glass. Shepherd's weather-glass. Sun-flower. Wink-a-peep. Shepherd's-delight. Red chickweed. Burnet-rose. Shepherd's-clock. Poison chickweed. Weather-glass. Mouron rouge. Gauchheil. Rothe miere. A medicinal plant. In fields and waste places about the city of St. Clair. Miss N. P. Whiting.

OLEACEÆ. OLIVE FAMILY.

770. *Syringa vulgaris* L. Lilac. Common lilac. White lilac. Syringa. Pipe-tree. Pipe-privets. Blue-pipe. Blue-ash. Roman willow. Gum tree. Healing herb. From Europe. Planted in yards and gardens and escaping to roads, and the bank of St. Clair river below the city of St. Clair. It appears to bloom sparingly here in the wild state.
771. *Fraxinus americana* L. White ash. Ash. American ash. Fracfrene. Cane-ash. A medicinal plant. Common in rich ground. Also in Lambton county, Ontario. A good and valuable timber. Wood heavy, hard, strong, brown. Weight per cubic foot 41 lbs. A large forest tree often reaching a height of 130 feet and a trunk diameter of six feet. Seldom so large here.
772. *Fraxinus pennsylvanica* Marsh. (*Fraxinus pubescens* Lam. in Gray.) Red ash. Yellow ash. Brown ash. Black ash. River-ash. Bastard-ash. Ash. Frequent in moist rich ground. Also in Lambton county, Ontario. Not so common as the preceding and the following. In general appearance it looks much like the following. Tree often reaching a height of about 80 feet, and a trunk diameter of four feet. Seldom growing that size here. Wood heavy, strong, brown and weight per cubic foot 39 lbs.

773. *Fraxinus nigra* Marsh. (*Fraxinus sambucifolia* Lam. in Gray.) Black ash. Hoop-ash. Water-ash. Basket-ash. Brown ash. Swamp-ash. A medicinal plant. Common in swamps, swales, and very wet ground. Also in Lambton county, Ontario. Fast dying out and becoming scarce as the country is being drained. The timber much used for hoops. The tree often reaches a height of 100 feet and a trunk diameter of three feet. Wood heavy, soft, not strong, dark brown. Weight per cubic foot 39 lbs.
- 773-a. *Ligustrum vulgare* L. Privet. Prim. Common privet. Print. Primwort. Skedge. Skedgewith. Privy. A medicinal plant. From Europe. Planted in yards and gardens and escaping to streets and roads. Growing wild in the road near the cemetery northeast of Sarnia, Lambton county, Ontario. Not noticed wild in St. Clair county.

GENTIANACEÆ. GENTIAN FAMILY.

774. *Gentiana crinita* Froel. Fringed gentian. Blue fringed gentian. Gentian. Frequent in moist ground and edges of marshes. The prevailing form in this county, but rare in Lambton county, Ontario. Flowers blue. A beautiful plant in bloom.
775. *Gentiana detonsa* Rottb. (*Gentiana serrata* Gunner in Gray.) Smaller fringed gentian. Gentian. In damp ground and marshes. Rare in St. Clair county, but the prevailing form near Sarnia, Lambton county, Ontario. Much resembling the preceding plant.
776. *Gentiana quinquefolia* L. Stiff gentian. Ague-weed. Five-flowered gentian. Gentian. Gall-weed. Blue gentian. Gall of the earth. Billious weed. Frost-blow. A medicinal plant. On the flats and steep banks along Black river above and below Beard's mill. Also in Lambton county, Ontario. T. C. Wheatley.
777. *Gentiana andrewsii* Griseb. Closed gentian. Blind gentian. Bottle-gentian. Barrel-gentian. Gentian. Common in damp ground, especially on flats, and damp banks along streams. Also in Lambton county, Ontario. Flowers generally blue, but sometimes pure white.
778. *Gentiana flavida* A. Gray. (*Gentiana alba* Muhl. in Gray.) Yellowish gentian. Gentian. Cloistered heart. West of the city of St. Clair. Dr. A. E. Gurd. Rare.
779. *Tetragonanthus deflexus* (J. E. Smith) Kuntze. (*Halenia deflexa* Griseb. in Gray.) Spurred gentian. Felwort. In damp woods along Black river and near the lake shore above Lakeport. Only localities noticed.
780. *Bartonia virginica* (L.) B. & P. (*Bartonia tenella* Muhl. in Gray.) Yellow bartonia. Screw-stem. Bartonla. In damp but poor ground near Wadhams, and south of the city of Port Huron on 24th St. Only localities noticed.

MENYANTHACEÆ. BUCKBEAN FAMILY.

781. *Menyanthes trifoliata* L. Buckbean. Marsh trefoil. Bean trefoil. Bog-bean. Brook-bean. Bog-nut. Bog-hop. Marsh-clover. Moon-flower. Water-sham-rock. Bitter-trefoil. Trefoil. Bitter-worm. Bog-myrtle. Fieberklee. Bitter-kee. A medicinal plant. In very wet places, often in shallow water. Found west of Huronia Beach, in the marshes and swamps about Capac, and near Marine City. Also in Lambton county, Ontario.

APOCYNACEÆ. DOGBANE FAMILY.

782. *Vinca minor* L. Periwinkle. Myrtle. Running myrtle. Common periwinkle. Small periwinkle. Wintergreen. From Europe. In old yards, gardens, and cemeteries, where it persists and often escapes to streets and roads. Also in Lambton county, Ontario.
783. *Apocynum androsaemifolium* L. Spreading dogbane. Dogbane. Honey-bloom. Bitter-root. Rheumatism-weed. Chickasaw. Wildweed. Milkweed. Milk-ipecac. Fly-trap. Fly-trap dogbane. Wandering milkweed. Catchfly. Bitter dogbane. Wild ipecac. Western wallflower. Wallflower. A medicinal plant. Very common in dry ground. Also in Lambton county, Ontario.
- 783½. *Apocynum hypericifolium* Ait. Claspingleaved dogbane. Dogbane. Indian hemp. Usually in dry ground. Frequent. Also in Lambton county, Ontario.
784. *Apocynum cannabinum* L. Indian hemp. Amy-root. American hemp. Common indian hemp. Black indian hemp. Wild cotton. Bowman's-root. Indian-physic. Canadian hemp. Chanvre du canada. Canadische hanfwurzel. A medicinal plant. Common in damp ground and along streams. Also in Lambton county, Ontario. Bark very strong and may be used for strings.

ASCLEPIADACEÆ. MILKWEED FAMILY.

785. *Asclepias tuberosa* L. Butterfly-weed. Pleurisy-root. Wind-root. Orange milkweed. Orange-root. Swallow-wort. Chigger-flower. White-root. Indian-posy. Tuber-root trumpets. Yellow milkweed. *Asclepias*. Tuber-root. Flux-root. Orange swallow-wort. Silkweed. Canada-root. A medicinal plant. Occasionally noticed in dry ground. Not so common here as in the interior of the State. Also in Lambton county, Ontario.
786. *Asclepias purpurascens* L. Purple milkweed. Milkweed. Frequent about Algonac, and in the southern part of the county. Also in Lambton county, Ontario, and on Walpole Island, Kent county, Ontario.
787. *Asclepias incarnata* L. Swamp milkweed. Rose milkweed. White indian hemp. Water nerve-root. Swamp silkweed. Indian hemp. Wandering milkweed. Milkweed. Flesh-colored *asclepias*. Rose-colored silkweed. A medicinal plant. Common in low and marshy ground. Also in Lambton county, Ontario.
- 787½. *Asclepias pulchra* Ehrh. Hairy milkweed. Swamp milkweed. Milkweed. Frequent on Harsen's Island, and about Algonac. First noticed by J. W. Stacey.
788. *Asclepias sullivantii* Engelm. Sullivan's milkweed. Milkweed. Frequent about Algonac, and in the southern part of the county. Also on Walpole Island, Kent county, Ontario.
789. *Asclepias exaltata* (L.) Muhl. (*Asclepias phytolaccoides* Pursh. in Gray.) Poke milkweed. Tall milkweed. Milkweed. Frequent throughout the county. Also in Lambton county, Ontario.
790. *Asclepias syriaca* L. (*Asclepias cornuti* Dec. in Gray.) Common milkweed. Silkweed. Milkweed. Common silkweed. Milkweed-root. Silky swallow-wort. Swallow-wort. Wild cotton. Virginia-silk. *Asclepiade a la soie*. Seidenpflanze. Our most common milkweed. Very plentiful along the sandy shore of Lake Huron, and becoming a vile weed in some localities. Also in Lambton county, Ontario. The coma or down from the fruit of this plant may be used for soft pillows and cushions.
- 790-a. *Acerates viridiflora* (Raf.) Eaton. Green milkweed. Near Blackwell Station, Lambton county, Ontario. T. C. Wheatley. Rare. The variety *Asclepias viridiflora lanceolata* A. Gray is frequently found near Sarnia in same county.

CONVOLVULACEÆ. MORNING-GLORY FAMILY.

- 790-b. *Ipomœa hederacea* Jacq. Ivy-leaved morning-glory. Blue morning-glory. Morning-glory. From tropical America. Often remaining in old yards and gardens and escaping to streets and roads, but not spreading or persisting.
791. *Convolvulus sepium* L. Hedge bindweed. Great bindweed. Rutland-beauty. Bindweed. Bell-bind. Woodbind. Wild morning-glory. Lily-bind. Lady's-nightcap. Hedge-lily. Kentucky-hunter. Harvest-lily. Pea-vine. Creepers. Woodbine. German scammony. German scammony plant. Common in low ground and along streams. Also in Lambton county, Ontario.
792. *Convolvulus spithameus* L. Upright bindweed. Low bindweed. Bracted bindweed. Dwarf morning-glory. In dry ground and on dry banks. Also in Lambton county, Ontario.
793. *Convolvulus arvensis* L. Small bindweed. Bindweed. Hedge-bells. Bearbind. Corn-lily. With-wind. Wind. Bellbine. Corn-bind. Lap-love. Sheep-bine. Small bearbind. From Europe. Becoming common throughout the county in streets, roads, fields, and along railroads. Also in Lambton county, Ontario.

CUSCUTACEÆ. DODDER FAMILY.

794. *Cuscuta coryli* Engelm. (*Cuscuta inflexa* Engelm. in Gray.) Hazel dodder. Dodder. Love-vine. Corn-silk. Strangle-weed. Plentiful along Black river above Beard's mill. Only locality noticed. It grows on herbaceous plants or small shrubs.
795. *Cuscuta gronovii* Willd. Gronovius' dodder. Dodder. Common dodder. Love vine. Corn-silk. Angels' hair. Scaldweed. Strangle-weed. Devil's-guts. Common in low damp ground and along streams. Also in Lambton county, Ontario. This plant is a slender gold-colored vine, apparently without leaves, the leaves being reduced to mere scales. It is a genuine parasite, living almost wholly on other plants. Soon after the seed germinates, the plant attaches itself to another plant, its root and lower portion soon die, and thereafter it lives entirely upon the plant, to which it has become attached.

POLEMONIACEÆ. PHLOX FAMILY.

- 795-a. *Phlox paniculata* L. Garden phlox. Phlox. Sweet william. Native farther south and east. Often remaining in old yards and gardens and occasionally escaping to streets and roads, but not persisting long here. Also in Lambton county, Ontario.

796. *Phlox divaricata* L. Wild blue phlox. Wild sweet william. Wild phlox. Sweet william. Common in rich damp woods. Also in Lambton county, Ontario. A beautiful plant.
- 796-a. *Phlox subulata* L. Ground pink. Moss pink. Creeping phlox. Sweet william. Frequent in cultivation but not escaping here. Native farther south and east.
- 796-b. *Polemonium reptans* L. Greek valerian. Bluebells. Snake-root. Blue valerian. American greek valerian. Jacob's ladder. Abscess-root. Green valerian. Sweet-root. False jacob's ladder. Creeping greek valerian. A medicinal plant. Often found in old yards and gardens, but not long remaining or escaping.

HYDROPHYLLACEÆ. WATER-LEAF FAMILY.

797. *Hydrophyllum virginicum* L. Virginia water-leaf. Water-leaf. Burr-flower. Brook-flower. Frequent along Black river and other streams. Also in Lambton county, Ontario.
798. *Hydrophyllum canadense* L. Broad-leaved water-leaf. Water-leaf. Frequent along Black river above and below Beard's mill.

BORAGINACEÆ. BORAGE FAMILY.

799. *Cynoglossum officinale* L. Hound's tongue. Common hound's tongue. Dog's-tongue. Rose-noble. Sheep-lice. Dog-bur. Stick-tight. Tory-bur. Stick-seed. Wool-mat. Beggar-lice. Canadian bur. Tory-weed. Gipsy flower. A medicinal plant. From Europe. Common along streets, roads, and in fields. Also in Lambton county, Ontario.
800. *Cynoglossum virginicum* L. Wild comfrey. Beggar-lice. Dog-bur. Frequent in open woods. Also in Lambton county, Ontario. T. C. Wheatley.
801. *Lappula lappula* (L.) Karst. (*Echinospermum lappula* Lehm. in Gray.) European stickseed. Burseed. Stick-tight. Small sheep-bur. For-get-me-nots. From Europe. Common along streets, roads, and in fields. Also in Lambton county, Ontario.
802. *Lappula virginiana* (L.) Greene. (*Echinospermum virginicum* Lehm. in Gray.) Virginia stickseed. Beggar's-ticks. Beggar's-lice. Stickseed. Stick-tight. Soldiers. Virginia mouse-ear. Dysentery-weed. Dysentery-root. Common in damp woods and thickets. Also in Lambton county, Ontario.
803. *Lithospermum arvense* L. Bastard alkanet. Corn gromwell. Pearl-plant. Sal-fern-stoneseed. Wheat-thief. Red-root. Stone-seed. Gromwell. From Europe. In streets and fields, but not yet a troublesome weed here. Also in Lambton county, Ontario.
- 803-a. *Lithospermum angustifolium* Michx. Narrow-leaved puccoon. Puccoon. In dry and sandy ground north of the city of Port Huron near the lighthouse. Also in Lambton county, Ontario.
804. *Lithospermum latifolium* Michx. American gromwell. Gromwell. Frequent in rich woods. Also in Lambton county, Ontario.
805. *Lithospermum gmelini* (Michx.) A. S. Hitchcock. (*Lithospermum hirtum* Lehm. in Gray.) Hairy puccoon. Gmelin's puccoon. Puccoon. Common in sandy and dry ground along the lake shore. Seldom met with in other places. Also in Lambton county, Ontario.
806. *Lithospermum canescens* (Michx.) Lehm. Hoary puccoon. Indian puccoon. Puccoon. Blood-root. Indian-paint. Alkanet. American anchusa. Occasionally found about Algonac. More plentiful on Walpole Island, Kent county, Ontario.
807. *Symphytum officinale* L. Comfrey. Healing-herb. Back-wort. Bruisewort. Knit-back. Boneset. Gum-plant. Slippery-root. Consound. Schwartzwur. Bein-wurz. A medicinal plant. From Europe. Established as a rank weed on the farm of David Beard at Ruby. Only locality noticed.
808. *Echium vulgare* L. Viper's bugloss. Blueweed. Viper's-herb. Viper's-grass. Snake-flower. Blue-thistle. Blue-stem. Blue-devils. Adder's-wort. Blue cat's-tail. From Europe. Occasionally along highways and railroads. Not yet a troublesome weed here. Also in Lambton county, Ontario. A very common weed about London, Ontario.

VERBENACEÆ. VERVAIN FAMILY.

809. *Verbena urticifolia* L. White vervain. Nettle-leaved vervain. Bur-vine. Vervain. A medicinal plant. Common in roads, streets, fields and woods. Also in Lambton county, Ontario.

810. *Verbena hastata* L. Blue vervain. Wild hyssop. Vervain. Iron-weed. American vervain. Simpler's-joy. False vervain. Purvain. Traveler's-joy. A medicinal plant. Common in streets, roads, fields, and woods. Also in Lambton county, Ontario.
811. *Verbena angustifolia* Michx. Narrow-leaved vervain. Bur-vine. Vervain. On dry ground west of the Upton Works near the city of Port Huron. Rare.
812. *Verbena bracteosa* Michx. Large-bracted vervain. Prostrate vervain. Vervain. On dry ground at the G. T. Railway yards on St. Clair river in the city of Port Huron. Rare. More plentiful at Point Edwards across the river in Lambton county, Ontario. First noticed by Eugene M. Thomas.

LABIATÆ. MINT FAMILY.

813. *Teucrium canadense* L. American germander. Wood-sage. Betony. Head-betony. Wood-betony. Ground-pine. Wood-sage germander. Germander. Common in moist thickets, edges of marshes, and along streams. Also in Lambton county, Ontario.
814. *Scutellaria lateriflora* L. Mad-dog' skullcap. Madweed. Hood wort. Helmet flower. Blue pimpernel. Side-flowered skull-cap. Mad-dog weed. Skullcap. Blue skullcap. Common in damp ground. Also in Lambton county, Ontario.
815. *Scutellaria galericulata* L. Hooded willow-herb. Marsh skullcap. Skullcap. European skullcap. Frequent in swamps and along streams. Also in Lambton county, Ontario.
816. *Marrubium vulgare* L. White hoarhound. Hoarhound. Houndbene. Marrube. Marvel. Common hoarhound. Horehound. A medicinal plant. From Europe. Occasionally in roads and persisting. Also in Lambton county, Ontario.
817. *Agastache nepetoides* (L.) Kuntze. (*Lophanthus nepetoides* Benth. in Gray.) Catnep giant-hyssop. Giant hyssop. Frequent along streams and in damp thickets.
818. *Nepeta cataria* L. Catmint. Catnep. Catnip. Catrup. Fieldbalm. Cat's-wort. Catalre. Katzenminze. From Europe. A medicinal plant. Common in gardens, yards, streets, roads, fields, and open woods. Also in Lambton county, Ontario.
819. *Glechoma hederacea* L. (*Nepeta glechoma* Benth. in Gray.) Ground ivy. Gill-over-the-ground. Alehoof. Cat's-foot. Gill. Gill-ale. Gill-go-by-the-ground. Hayhofs. Haymaids. Hove. Tunhoof. Creeping charlie. Gill-run-over-the-ground. Robin-run-away. Jack-over-the-ground. Gill-run-over-grass. Run-away-jack. Blue-bells. Run-away-nell. Gill-run. Hedge-maids. Cat's-paw. Gill-go-over-the-ground. Ground joy Field balm. Carrion-flower. Robin-run-in-the-hedge. Wild snakeroot. Crow victuals. Jack and gill. Lierrée terrestre. Gundelrebe. Gundermann. From Europe. A medicinal plant. Common in gardens, yards, streets, roads, fields, and open woods. Also in Lambton county, Ontario.
820. *Prunella vulgaris* L. (*Brunella vulgaris* L. in Gray.) Self-heal. Heal-all. Common self-heal. Thimble-flower. All-heal. Brownwort. Carpenter's-herb. Hook-heal. Heart-of-the-earth. Dragon-head. Carpenter-weed. Sicklewort. Blue-curls. Wild sage. Heart's-ease. Cure-all. Hook-weed. Brunella. Very common in damp ground. Often a weed in yards and meadows. Also in Lambton county, Ontario.
821. *Physostegia virginiana* (L.) Benth. False dragon-head. Dragon-head. Obedient plant. Lion's-heart. Frequent in moist ground about the city of St. Clair, Miss N. P. Whiting. Also in Lambton county, Ontario.
822. *Galeopsis ladanum* L. Red hemp-nettle. Ironwort. From Europe. Near the city of Port Huron. Winchell's catalogue. I have not been able to find this plant.
823. *Leonurus cardiaca* L. Motherwort. Common motherwort. Cowth-wort. Lion's-ear. Lion's-tail. Throwwort. From Europe. A medicinal plant. Common in streets, roads, fields, and open woods. Also in Lambton county, Ontario.
- 824-a. *Lamium maculatum* L. Spotted dead nettle. Variegated dead nettle. Dead nettle. From Europe. In the edge of the woods at Kettle Point, Lambton county, Ontario.
824. *Stachys palustris* L. Hedge nettle. Marsh woundwort. Clown's woundwort. Clown's-heal. All-heal. Cock-head. Dead-nettle. Rough weed. Frequent in moist ground. Also in Lambton county, Ontario.
825. *Stachys aspera* Michx. Rough hedge-nettle. Woundwort. Hedge-nettle. Near Agonac. Rare. Also on Walpole Island, Kent county, Ontario.
- 825-a. *Salvia officinalis* L. Sage. Garden sage. Sauge officinale. Salbei. From the Old World. A medicinal plant. In old gardens, but not persisting or spreading.

826. *Monarda didyma* L. Oswego tea. American bee-balm. Fragrant balm. Mountain-mint. Horse-mint. Indian's-plume. Mountain-balm. Scarlet rose-balm. Sweet-mary. High-balm. Red-balm. Blue-balm. Square-stalk. Low-balm. Frequent in damp woods and thickets, especially on flats along streams. Plentiful at Kettle Point, Lambton county, Ontario.
- 826½. *Monarda media* Willd. (*Monarda fistulosa media* Gray in Gray.) Purple bergamot. Wild bergamot. Bergamot. Frequent on woody flats along streams. Also in Lambton county, Ontario.
827. *Monarda fistulosa* L. Willd. Wild bergamot. Wild burgamot. Horse-mint. Oswego tea. A medicinal plant. Common in both dry and damp ground. Also in Lambton county, Ontario.
- 827½. *Monarda scabra* Beck. (*Monarda fistulosa mollis* Benth. in Gray.) Pale wild bergamot. Wild bergamot. Bergamot. The prevailing form in dry ground near the city of Port Huron. Also in Lambton county, Ontario.
828. *Monarda punctata* L. Horse-mint. American horse-mint. Rignum. Organum. Monarda. A medicinal plant. In a dry field west of Algonac. Spreading. Only locality noticed.
829. *Blephilla ciliata* (L.) Raf. Downy blephilla. Horse-mint. Ohio horse-mint. Blephilla. Near Algonac. Rare. Also on Walpole Island, Kent county, Ontario. Rare.
830. *Blephilla hirsuta* (Pursh.) Torr. Hairy blephilla. Ohio horse-mint. Blephilla. Common in damp and rich woods, especially on flats along streams. Also in Lambton county, Ontario.
831. *Hedeoma pulegioides* (L.) Pers. American pennyroyal. Tick-weed. Squaw-mint. Pudding-grass. Pennyroyal. Thick-weed. Stinking-balm. Herbe de pouliot. Amerikaniches polei. Plentiful in damp woods near North St. in the township of Clyde. Also in Lambton county, Ontario. T. C. Wheatley.
832. *Clinopodium vulgare* L. (*Calamintha clinopodium* Benth. in Gray.) Field basil. Wild basil. Basil. Basil-weed. Stone-basil. Bed's-foot. Dog-mint. Horsethyme. Common in woods and thickets. Also in Lambton county, Ontario.
833. *Hyssopus officinalis* L. Hyssop. Hyssope. Garden hyssop. Ysop. From Europe. A medicinal plant. Well established on a sand ridge in the southern part of the city of Port Huron. Only locality noticed.
834. *Koellia virginiana* (L.) MacM. (*Pycnanthemum lanceolatum* Pursh. in Gray.) Virginia mountain-mint. Mountain-mint. Mountain-thyme. Virginia thyme. Prairie hyssop. Pennyroyal. Narrow-leaved virginia thyme. Basil. Wild basil. In damp ground and marshes. Also in Lambton county, Ontario.
835. *Lycopus virginicus* L. Bugle-weed. Bugle-wort. Wood-betony. Archangel. Sprig-of-jerusalem. Paul's-betony. Water-hoarhound. Sweet bugle-weed. Purple archangel. Water-bugle. Betony. Wolf-foot. Carpenter's-herb. Gipsy-wort. Green archangel. Sweet bugle. Gypsy-weed. Gipsy-herb. Gypsy-herb. A medicinal plant. Common in damp and wet ground. Also in Lambton county, Ontario.
- 836½. *Lycopus lucidus* Turz. (*Lycopus lucidus americanus* Gray in Gray.) Western water hoarhound. Water hoarhound. Plentiful about the elevators in the city of Port Huron. Only locality noticed. An immigrant from the west.
836. *Lycopus rubellus* Moench. Stalked water hoarhound. Gipsy-wort. Water hoarhound. Frequent in wet ground throughout the county. Also in Lambton county, Ontario.
837. *Lycopus americanus* Muhl. (*Lycopus sinuatus* Ell. in Gray.) Cut-leaved water hoarhound. Water hoarhound. Rattlesnake weed. Gipsy-wort. Bitter bugle-weed. Bitter bugle. Paul's-betony. Common in damp ground. Also in Lambton county, Ontario.
838. *Lycopus europaeus* L. Water hoarhound. Marsh hoarhound. Gipsy-wort. Gipsy-herb. European bugle-weed. Bitter bugle-weed. Water-bugle. Green archangel. From Europe. A medicinal plant. Plentiful in damp ground near the elevators in the city of Port Huron. Well naturalized. Also in Lambton county, Ontario. This species is doubtful.
839. *Mentha spicata* L. (*Mentha viridis* L. in Gray.) Spearmint. Our lady's mint. Garden-mint. Brown-mint. Mackerel-mint. Sage-of-bethlehem. Mint. Nahma-wusk (Indians). From Europe. A medicinal plant. Found in gardens, streets, and roads. Persistent and spreading. Also in Lambton county, Ontario.
840. *Mentha piperita* L. Peppermint. Lamb-mint. Brandy-mint. Mint. Common mint. Mazania. From Europe. A medicinal plant. Becoming very common in damp ground. It seems to be thoroughly naturalized. This plant is successfully cultivated near Capac where a mint still has been established. Also in Lambton county, Ontario.

841. *Mentha citrata* Ehrh. Bergamot-mint. Bergamot-herb. From Europe. A medicinal plant. In damp ground near Algonac. Also on Walpole Island, Kent county, Ontario.
842. *Mentha arvensis* L. Corn mint. Field-mint. Lamb's-tongue. Wild pennyroyal. Water-calamin. From Europe. A medicinal plant. Naturalized along the roads near Algonac.
843. *Mentha canadensis* L. American wild mint. Wild mint. Wild bergamot. Wild bergamont. Lamb-mint. Mint. Very common in damp ground. Also in Lambton county, Ontario.
844. *Collinsonia canadensis* L. Horse-balm. Citronella. Rich-weed. Horse-weed. Stone-root. Collinsonia. Collinson's flower. Ox-balm. Hardhack. Healall. Rich-leaf. Knob-grass. Knob root. Knob-weed. Knot-root. Guerit tout. Baume de cheval. Frequent in damp woods and thickets. Also in Lambton county, Ontario.

SOLANACEÆ. POTATO FAMILY.

845. *Physalodes physalodes* (L.) Britton. (*Nicandra physaloides* Gaert. in Gray.) Apple-of-peru. Globe. From Peru. Occasionally in gardens, streets, and roads. Also in Lambton county, Ontario.
846. *Physalis heterophylla* Nees. (*Physalis virginiana* Mill. in Gray.) Clammy ground-cherry. Wild cherry. Cherry tomatoes. Ground-cherry. Virginia ground-cherry. In both rich and sandy ground. Very common. Also in Lambton county, Ontario.
Physalis heterophylla *ambigua* (A. Gray) Rydberg, is found along Black river near Beard's mill.
- 846-a. *Physalis ixocarpa* Brot. Tomatilla. Mexican ground-cherry. Strawberry tomato. Often in gardens as a weed, but not yet established here so far as I can observe.
847. *Solanum nigrum* L. Black nightshade. Garden nightshade. Deadly nightshade. Morel. Duscle. Hound's-berry. Bonewort. Nightshade. Common nightshade. Common in streets, roads, gardens, fields, and woods. Often a weed. Also in Lambton county, Ontario. Plant poisonous and to be avoided. Fruit black and containing poison.
848. *Solanum rostratum* Dunal. Sand-bur. Beaked nightshade. Buffalo-bur. Kansas thistle. From the West. Occasionally found as a weed in gardens and fields and along railways. First noticed by Miss N. P. Whiting near the city of St. Clair.
849. *Solanum dulcamara* L. Nightshade. Blue blindweed. Felonwort. Bittersweet. Woody nightshade. Poison-flower. Poison-berry. Myrtle-vine. Wood nightshade. Wolf-grape. Bittersweet nightshade. Violet-bloom. Scarlet-berry. Bittersweet-herb. Snake-berry. Bittersweet twigs. Garden-nightshade. Nightshade-vine. Fever-twig. Bittersweet-stems. Staff-vine. Douce-amere. Bittersuss-stengel. A medicinal plant. From Europe. Very common and thoroughly naturalized. Found even in deep woods and swamps. Also in Lambton county, Ontario. In Michigan, I think, the common name "bittersweet" is applied not to this plant, but to *Celastrus scandens* No. 649. Plant and fruit containing poison.
- 849-a. *Solanum tuberosum* L. Potato. Potato plant. From Chili. Often springing up but not persisting. Very many varieties. One of the most valuable plants to man. This plant and corn were cultivated by the Indians when America was first discovered.
- 849-b. *Lycopersicon lycopersicon* (L.) Karst. Tomato. Love-apple. Cherry-tomato. Jew's-ear. A medicinal plant. From tropical America. Often found growing wild, but not persisting.
850. *Lycium vulgare* (Ait f.) Dunal. Matrimony vine. Box-thorn. Bastard jasmine. Privy. Jackson-vine. Jasmine. Jessamine. Washington's-bower. From Europe. Frequent in streets, roads, fields, and on dry banks of streams. Well naturalized. Also in Lambton county, Ontario. This is either a bushy shrub, or extensive vine.
851. *Hyoscyamus niger* L. Black henbane. Hog's-bean. Fetid nightshade. Insane-root. Belene. Chenille. Stinking nightshade. Henbane. Poison tobacco. Jusquiame noir. Bilsenkraut. From Europe. A medicinal plant. Occasionally on the dry banks of St. Clair river. Rare. Also in Lambton county, Ontario. Rare.
- 851-a. *Datura stramonium* L. Stramonium. Jamestown weed. Jimson-weed. Common stramonium. Thorn-apple. Fire-weed. Dewtry. Stinkweed. Jamestown-lily. Devil's-apple. Mad-apple. Stink. Peru-apple. Apple-peru. Apple-of-peru. Stinkwort. Jimpson-weed. Devil's-trumpet. Jimpson-seed. White man's plant. Said to be from Asia. A medicinal plant. Frequent in gardens, but I have never seen it growing wild either in St. Clair county, Michigan or in Lambton county, Ontario. Plant poisonous especially the seed. It has proved fatal to children and cattle.

852. *Datura tatula* L. Purple thorn-apple. Purple stramonium. Jamestown weed. Jimson-weed. Jamestown-lily. From tropical America. In gardens and waste places. Well naturalized here. Also in Lambton county, Ontario. Plant poisonous, especially the seed. In 1897 five children at Alpena, Michigan, were poisoned by this plant.
- 852-a. *Nicotiana tabacum* L. Common tobacco. Tobacco. Virginia tobacco. Drunk-wort. A medicinal plant. From South America. Frequently cultivated, but not escaping. This plant with its varieties is the one so extensively cultivated all over the world wherever climate will permit. It was cultivated by the Indians when America was first discovered.
- 852-b. *Petunia axillaris* (Lam.) B. S. P. White petunia. Petunia. From Brazil. Often found in old yards and gardens, but not escaping here.
- 852-c. *Petunia violacea* Lindl. Violet petunia. Petunia. From Brazil. Often found in old yards and gardens, but not escaping here.

SCROPHULARIACEÆ. FIGWORT FAMILY.

853. *Verbascum thapsus* L. Great mullein. Velvet-dock. Mullen-dock. Mullein. Common mullein. Fuzzy mullein. Hedge-taper. Hig-taper. High-taper. Candle-wick. Cow's-lungwort. Aaron's-rod. Aaron's-flannel. Feltwort. Old man's-flannel. Hare's-beard. Jacob's-staff. Jupiter's-staff. Peter's-staff. Ice-leaf. Torches. Blanket-leaf. Woolen. Velvet-plant. White mullein. *Verbascum* flowers. Bullock's-lungwort. Flannel flower. Shepherd's-club. Wollkraut. Königskerze. From Europe. A medicinal plant. Common in roads, fields, and open woods. Often a troublesome weed. Also in Lambton county, Ontario.
- 853½. *Verbascum blattaria* L. Moth mullein. From Europe. Along the railroad and in fields about Algonac. First noticed by J. W. Stacey. This plant is said to repel the cockroach, hence its Latin specific name *blattaria*. It is frequented by moths which gives it its common name.
854. *Linaria linaria* (L.) Karst. (*Linaria vulgaris* Mill. in Gray.) Ramstead. Butter-and-eggs. Yellow toad-flax. Toad-flax. Common toad-flax. Bride-weed. Flax-weed. Gall-wort. Eggs-and-bacon. Eggs-and-ham. Jacob's-ladder. Ladies'-slippers. Wild flax. Devil's-flax. Wild tobacco. Indian-hemp. Impudent-lawyer. Snap-dragon. Bread-and-butter. Rabbit-flower. Rancid. Deaf men's bones. From Europe. Frequent in streets, roads, and fields. Also in Lambton county, Ontario.
855. *Scrophularia marylandica* L. (*Scrophularia nodosa marylandica* A. Gray in Gray.) Maryland figwort. Heal-all. Pilewort. Carpenter's square. Figwort. Knotted figwort. Bee plant. Knotty-rotted figwort. Figwort-root. Kernelwort. Scrofula plant. Knotenwurtz. A medicinal plant. Frequent in damp woods and thickets and along streams. Also in Lambton county, Ontario. This plant is known here as carpenter's square, from which Mrs. Nancy Howard of the city of Port Huron makes a valuable salve.
- 855½. *Scrophularia leporella* Bicknell. Hare figwort. Figwort. Frequent along Black river.
856. *Chelone glabra* L. Snake-head. Turtle-head. Shell-flower. Cod-head. Bitter-herb. Balmony. Snake-mouth. Bammany. Turtle-bloom. Salt-rheum-weed. Fish-mouth. A medicinal plant. Common in swamps, edges of marshes, and along streams. Also in Lambton county, Ontario.
857. *Pentstemon hirsutus* (L.) Willd. (*Pentstemon pubescens* Soland. in Gray.) Hairy beard-tongue. Beard-tongue. Frequent in dry ground. Also in Lambton county, Ontario.
858. *Pentstemon digitalis* (Sweet) Nutt. Foxglove beard-tongue. Tall foxglove beard-tongue. Beard-tongue. Dead men's bells. Occasional along the banks of St. Clair river near the city of St. Clair. Rare. Dr. A. E. Gurd. Perhaps introduced from farther south.
859. *Pentstemon pentstemon* (L.) Britt. (*Pentstemon lævigatus* Soland. in Gray.) Smooth beard-tongue. Beard-tongue. Along the banks of St. Clair river near the city of St. Clair. Rare. Probably escaped from cultivation. Miss N. P. Whiting.
860. *Mimulus ringens* L. Square-stemmed monkey-flower. Monkey-flower. Common in swamps, marshes, and along streams. Also in Lambton county, Ontario.
861. *Veronica anagallis-aquatica* L. (*Veronica anagallis* L. in Gray.) Water speedwell. Water pimpernel. Speedwell. Brooklime. Frequent in brooks and swampy places. Also in Lambton county, Ontario. T. C. Wheatley.
862. *Veronica americana* Schwein. American brooklime. Brooklime. Blue-bells. Wall-ink. Speedwell. Frequent in swamps and wet places. Also in Lambton county, Ontario.

863. *Veronica scutellaria* L. Marsh speedwell. Skullcap speedwell. Very common in swamps and wet places. Also in Lambton county, Ontario.
864. *Veronica serpyllifolia* L. Thyme-leaved speedwell. Speedwell. Paul's-betony. Common in streets, roads, fields, meadows, and open woods. Also in Lambton county, Ontario.
865. *Veronica peregrina* L. Purslane speedwell. Speedwell. Neck-weed. Common in gardens, fields, and moist places. Also in Lambton county, Ontario. Often a weed.
866. *Veronica arvensis* L. Corn speedwell. Wall speedwell. Speedwell. From Europe. Frequent in fields, cultivated grounds, and woods. Also in Lambton county, Ontario.
867. *Veronica byzantina* (Sibth. & Smith) B. S. P. (*Veronica buxbaumii* Tenore in Gray.) Buxbaum's speedwell. Speedwell. Byzantine speedwell. Bird's-eye. Cat's-eye. Frequent in the gardens of the city of Port Huron. Also in Lambton county, Ontario. T. C. Wheatley.
868. *Leptandra virginica* (L.) Nutt. (*Veronica virginica* L. in Gray.) Culver's-root. Black-root. Culver's-physic. Leptandra. Oxadoddy. Purple leptandra. Tall speedwell. Tall veronica. Whorlywort. Brinton-root. Bowman's-root. Physic-root. Hini. Beaumont-root. Quittal. A medicinal plant. Not seen except in the southeastern part of the county where it is plentiful in meadows, moist woods, and thickets. Also in Lambton county, Ontario.
869. *Dasystoma pedicularia* (L.) Benth. (*Gerardia pedicularia* L. in Gray.) Fern-leaved false foxglove. Lousewort false foxglove. False foxglove. Corn-flower. Bushy gerardia. American foxglove. Fever-weed. Lousewort. Common in poor and dry ground throughout the county. Also in Lambton county, Ontario.
870. *Dasystoma virginica* (L.) Britton. (*Gerardia quercifolia* Pursh. in Gray.) Smooth false foxglove. Corn-flower. Golden-oak. False foxglove. In poor and dry ground near Algonac. Rare.
871. *Gerardia purpurea* L. Large purple gerardia. Purple gerardia. Frequent in marshes and meadows. Also in Lambton county, Ontario.
872. *Gerardia tenuifolia* Vahl. Slender gerardia. Gerardia. Frequent in dry ground. Also in Lambton county, Ontario. *Gerardia tenuifolia asperula* A. Gray is found on Walpole Island, Kent county, Ontario.
873. *Castilleja coccinea* (L.) Spreng. Scarlet painted-cup. Painted-cup. Indian paint-brush. Bloody warrior. Nosebleed. Indian-pink. Paint-brush. Red-Indians. Wickakee (Indians). Election posies. Prairie-fire. Seen only in the southeastern part of the county near Marine City and Algonac in meadows, edges of marshes, and moist thickets. Also in Lambton county, Ontario.
874. *Pedicularis lanceolata* Michx. Swamp lousewort. Lousewort. Frequent in marshes and swamps. Also in Lambton county, Ontario.
875. *Pedicularis canadensis* L. Wood betony. Lousewort. High healall. Beefsteak-plant. Head-betony. Lousewort foxglove. Red-rattle. Snaffles. Chickens'-heads. Common in dry woods and thickets. Also in Lambton county, Ontario.
876. *Melampyrum lineare* Lam. (*Melampyrum americanum* Michx. in Gray.) Narrow-leaved cow-wheat. Cow-wheat. Common in dry woods and thickets. Also in Lambton county, Ontario.

LENTIBULARIACEÆ. BLADDERWORT FAMILY.

- 876-a. *Utricularia cornuta* Michx. Horned bladderwort. Bladderwort. In ditches near Blackwell Station, Lambton county, Ontario. T. C. Wheatley.
877. *Utricularia vulgaris* L. Greater bladderwort. Hooded water-milfoil. Popwort. Pop-weed. Bladderwort. Milfoil. Common in shallow ponds, ditches, and edges of slow streams. Also in Lambton county, Ontario.
- 877½. *Utricularia resupinata* B. D. Greene. Reversed bladderwort. Bladderwort. Plentiful on the border of a large pond north of Sarnia, Lambton county, Ontario, and near the Lake Huron shore.

OROBANCHACEÆ. BROOM-RAPE FAMILY.

878. *Conopholis americana* (L. f.) Wallr. Squaw-root. Cancer-root. Earth-club. American broom-rape. Clapwort. Broom-rape. Squaw-drops. Naked broom-rape. In rich woods at bases of trees and stumps. Rare. Also in Lambton county, Ontario. T. C. Wheatley.
879. *Leptamnum virginianum* (L.) Raf. (*Epiphegus virginiana* Bart. in Gray.) Beech-drops. Cancer-root. Broom-rape. Fir-rape. Cancer-drops. Orobanche de virginie. Krebswurz. Sommerwurz. A medicinal plant. Common in beech woods. Also in Lambton county, Ontario.

BIGNONIACEÆ. TRUMPET-CREEPER FAMILY.

- 879-a. *Tecoma radicans* (L.) DC. Trumpet-flower. Trumpet creeper. Trumpet-vine. Trumpet-ash. Crossvine. Foxglove. Remaining for a time in old yards and gardens, but not spreading. A woody vine climbing to the height of 20 to 40 feet. Native farther east and south.
- 879-b. *Catalpa catalpa* (L.) Karst. (*Catalpa bignonioides* Walt. in Gray.) Catalpa. Indian bean. Candle-tree. Bean-tree. Common catalpa. Smoking-bean. Indian cigar-tree. Catawba. Cigar-tree. Catalpa-tree. Catawba-tree. Planted in streets as an ornamental tree, but not spreading. Native farther south. A tree growing often 60 feet high with a trunk diameter of four feet. Wood brown, soft, weak, durable in contact with the soil and weight per cubic foot 28 lbs.
- 879-c. *Catalpa speciosa* Warder. Catawba-tree. Larger Indian-bean. Hardy catalpa. Western catalpa. Catalpa. Cigar-tree. Bois puant. Indian-bean. Shawnee-wood. Planted in streets and roads as an ornamental tree, but not spreading. Native farther south. This and the preceding tree do not seem to thrive in this locality. This tree often grows 120 feet high with a trunk diameter of $4\frac{1}{2}$ feet. Wood brown, soft, weak, durable, and weight per cubic foot 26 lbs.

PHRYMACEÆ. LOPSEED FAMILY.

880. *Phryma leptostachya* L. Lopseed. Common in woods and thickets. Also in Lambton county, Ontario.

PLANTAGINACEÆ. PLANTAIN FAMILY.

881. *Plantago major* L. Common plantain. Greater plantain. Plantain. Bird-seed. Broad-leaf. Hen-plant. Lamb's-foot. Waybread. Healing-blade. Door-yard plantain. Englishman's-foot. Round-leaved plantain. Wayside-plantain. Grosser wegetritt. A medicinal plant. From Europe. Common in yards, streets, roads, fields, and open woods. Also in Lambton county, Ontario.
882. *Plantago rugelii* Dec. Rugel's plantain. Plantain. White man's foot. Silk-plant. Not common. In general appearance much like the preceding.
883. *Plantago lanceolata* L. Ribwort. Rib-grass. English plantain. Snake-plantain. Ripple-grass. Black-jacks. Jack-straws. Dog's-rib. Cocks. Kemps. Leechwort. Ram's-tongue. Rat-tail. Windles. Long plantain. Kemp-seed. Headsman. Hen-plant. Clock. Chimney-sweeps. Buck-plantain. Buck-horn plantain. Ripple. Ripple plantain. Nigger-heads. Hock-cockle. Soldiers. Ribwort. Ribwort plantain. From Europe. Very common in streets, roads, fields, and even along the banks of streams. Becoming a noxious weed. Also in Lambton county, Ontario. In Europe this plant is recommended for pastures with other plants. Cattle and sheep are fond of it when it is young and tender.
884. *Plantago cordata* Lam. Heart-leaved plantain. Water-plantain. Plantain. Frequent in swamps, ditches, and shallow streams. Also in Lambton county, Ontario.
885. *Plantago aristata* Michx. (*Plantago patagonica aristata* A. Gray in Gray.) Large-bracted plantain. Plantain. Occasionally along the railroads. From the West.
886. *Plantago virginica* L. Dwarf plantain. White dwarf plantain. White plantain. Near Algonac in an old dry field. Only locality noticed. Also on Walpole Island, Kent county, Ontario.

RUBIACEÆ. MADDER FAMILY.

887. *Cephalanthus occidentalis* L. Button-bush. Button-tree. Honey-balls. Globe-flower. Pond-dogweed. Buttonwood-shrub. Button-ball shrub. Crouper-bush. Crane water-cress. Box. River-bush. Snake-berry. Pond-buttonwood. Pin-ball. Mountain globe-flower. Crane-willow. White-ball. Swamp-wood. Little snow-ball. Button-wood. A medicinal plant. Common in swamps edges of ponds, and wet places. Also in Lambton county, Ontario. A shrub from 3 to 12 feet high, the flowers in heads or balls.
888. *Mitchella repens* L. Partridge-berry. Twin-berry. Hive-vine. Squaw-vine. Checker-berry. Deer-berry. Fox-berry. Partridge-vine. Winter-clover. Wild running-box. Creeping-mitchella. Squaw-plum. Two-eyed plum. Squaw-berry. Mitchella-vine. Snake-plum. Pigeon-berry. Snake-berry. Chicken-berry. One-berry. Cow-berry. Two-eyed-berry. Partridge-berry vine. One-berry leaves. A medicinal plant. Common in dry woods. Also in Lambton county, Ontario. Fruit red.

889. *Gallum aparine* L. Cleavers. Goose-grass. Cleaver-wort. Catchweed. Beggar-lice. Burhead. Cleaver-grass. Claver-grass. Cling-rascal. Scratch-grass. Wild hedge-burs. Hairif. Airif. Stick-a-back. Gosling grass. Gosling weed. Turkey grass. Pigtail. Stickle-back. Grip. Grip-grass. Loveman. Sweet-hearts. Mist. Babies'-breath. Savoyan. Milk-sweet. Poor-robin. Bedstraw. Clives. Gallum. Scratch-weed. Gravel-grass. Cheese rennet-herb. Goose's-hair. Clabber-grass. Caille-lait. Labkraut. A medicinal plant. In damp woods and thickets. I think this is native in this locality. Also in Lambton county, Ontario. This is a delicate and beautiful vine.
890. *Gallum pilosum* Ait. Hoary bedstraw. Bedstraw. Gallum. Common in dry open woods and thickets. Also in Lambton county, Ontario.
891. *Gallum lanceolatum* Torr. Torrey's wild liquorice. Wild liquorice. Liquorice. Frequent in woods throughout the county. Also in Lambton county, Ontario.
892. *Gallum circæzans* Michx. Wild liquorice. Liquorice. Cross-cleavers. Common in woods and thickets throughout the county. Also in Lambton county, Ontario.
893. *Gallum boreale* L. Northern bedstraw. Bedstraw. Common in edges of marshes, along streams, and on low ground. Also in Lambton county, Ontario.
894. *Gallum triflorum* Michx. Sweet-scented bedstraw. Fragrant bedstraw. Bedstraw. Three-flowered bedstraw. Very common in woods and thickets. Also in Lambton county, Ontario.
895. *Gallum tinctorium* L. (*Gallum trifidum latifolium* Torr. in Gray.) Stiff marsh bedstraw. Wild madder. Bedstraw. Dyer's-cleavers. Common in swamps, wet meadows, and damp shady places. Also in Lambton county, Ontario. A delicate and beautiful vine.
896. *Gallum trifidum* L. Small bedstraw. Small cleavers. Bedstraw. Cleavers. Dyer's cleavers. Frequent in cold swamps and wet boggy places. Also in Lambton county, Ontario.
897. *Gallum claytoni* Michx. Clayton's bedstraw. Bedstraw. Frequent in marshes and swamps. Also in Lambton county, Ontario. I am doubtful about this species.
898. *Gallum asprellum* Michx. Rough bedstraw. Bedstraw. Pointed cleavers. Catchweed. Common in damp woods and thickets. Also in Lambton county, Ontario.

CAPRIFOLIACEÆ. HONEYSUCKLE FAMILY.

899. *Sambucus canadensis* L. American elder. Sweet elder. Elder-blow. Elder-berry. Elder. Common elder. Black-berried elder. Rob-elder. Elder-flowers. Elder-rob. A medicinal plant. Very common in damp ground. Also in Lambton county, Ontario. Fruit black. The berries are often used for pies and the manufacture of wine. A shrub from 4 to 10 feet high with a large white pith. Often used by boys to make popguns.
900. *Sambucus pubens* Michx. (*Sambucus racemosa* L. in Gray.) Red-berried elder. Elder. Mountain elder. Poison elder. Frequent in damp ground. Also in Lambton county, Ontario. Ripe fruit red. Not so common as the preceding. A shrub from 2 to 12 feet high with brown pith.
901. *Viburnum opulus* L. Cranberry-tree. Wild guelder-rose. High bush cranberry. Marsh-elder. Red-elder. Rose-elder. Water-elder. White dogwood. Whittentree. Gadrise. Love-roses. Pincushion-tree. Dog rowan-tree. Gaiter-tree. Gatten. Cherry-wood. Witch-hobble. Witch-hopple. May-rose. Squaw-bush. Cramp-bark. Cranberry-bush. High cranberry-bush. High cranberry. The form under cultivation has the name snow-ball, or snow-ball-tree. A medicinal plant. Common in low ground, and along streams. Also in Lambton county, Ontario. Ripe fruit red and very conspicuous in the latter part of August and in September. A shrub often growing 12 feet high.
902. *Viburnum acerifolium* L. Maple-leaved arrow-wood. Dockmackie. Squash-berry. Maple guelder-rose. Guelder-rose. Maple-leaved guelder-rose. Maple-leaf guelder. Common in dry open woods and thickets. Also in Lambton county, Ontario. A shrub growing from 3 to 6 feet high.
903. *Viburnum pubescens* (Ait.) Pursh. Downy-leaved arrow-wood. Downy arrow-wood. Arrow-wood. Frequent in woods and thickets. Plentiful on the high banks of Black river near Beard's mill. Also in Lambton county, Ontario. A shrub growing from two to five feet high. Fruit nearly black.
- 903-a. *Viburnum dentatum* L. Arrow-wood. Mealy-tree. Withe-rod. Withe-wood. Plentiful in thick rich woods northeast of Sarnia, Lambton county, Ontario. Only locality noticed. T. C. Wheatley. A shrub often growing to the height of 15 feet. Fruit blue becoming nearly black.

904. *Viburnum cassinoides* L. White-rod. Appalachian-tea. Paraguay. Paraguay-tea. Naked viburnum. Nanny-bush. Frequent in wet and swampy places. Also in Lambton county, Ontario. A shrub growing from 2 to 12 feet high. Fruit becoming drak blue.
905. *Viburnum lentago* L. Nanny-berry. Sheep-berry. Sweet viburnum. Nanny-bush. Black-thorn. Tea-plant. Nanny-plum. Black-haw. Wild raisin. Sweet-berry. Viburnum. Common in damp rich woods. Also in Lambton county, Ontario. Fruit bluish-black, with a bloom, sweet, and edible. A shrub, or often a small tree sometimes 30 feet high, and with a trunk diameter of 10 inches. Wood orange-brown, hard, and weight 45 lbs. to the cubic foot.
906. *Triosteum perfoliatum* L. Fever-wort. Horse-gentian. Fever-root. Wild ipecac. Wood-ipecac. Tinker's-weed. Wild coffee. Genson. Horse ginseng. White-gentian. White ginseng. Frequent throughout the county. Also in Lambton county, Ontario.
907. *Linnæa borealis* L. Twin-flower. Ground-vine. Two-eyed-berries. Deer-vine. Twin-sisters. Frequent near the city of Port Huron. Plentiful on the flats along Mill creek near the farm of Wm. Mason in Kenockee. Also in Lambton county, Ontario. T. C. Wheatley. A delicate and beautiful vine. This plant was a special favorite of the great botanist. Linnæus, and hence it was named after him.
908. *Symphoricarpos racemosus* Michx. Snowberry. Snowdrop-berry. Wax-berry. Egg-plant. Snow-drop. Along dry banks of streams. Plentiful along the dry banks of Black river above and below Beard's mill. A shrub from 1 to 4 feet high. Ripe berry snow white.
- 908-a. *Symphoricarpos pauciflorus* (Robbins) Britton. (*Symphoricarpos racemosus pauciflorus* Robbins in Gray.) Low snowberry. Snowberry. Plentiful on the dry sand knolls among small oaks northeast of Sarnia, Lambton county, Ontario. Only locality noticed. A low shrub from 6 to 10 inches high. Ripe berry white.
909. *Symphoricarpos occidentalis* Hook. Wolfberry. Buckbush. On a sandy mound above Huronia Beach on the lake shore. Plentiful along Black river above and below Beard's mill. A shrub from 1 to 4 feet high. Ripe berry white.
- 909-a. *Symphoricarpos symphoricarpos* (L.) MacM. (*Symphoricarpos vulgaris* Michx. in Gray.) Coral-berry. Indian currant. Buck-bush. Turkey-berry. Snapberry. In old yards and gardens, but not escaping. Native farther south and east. A shrub from 2 to 5 feet high. Ripe berry purplish-red.
- 909-b. *Lonicera caprifolium* L. Italian honeysuckle. Perfoliate honeysuckle. American woodbine. Fragrant woodbine. Honey-suckle. From Europe. Often remaining in old yards, but not spreading. A high climbing vine with red berries. This plant being a native of Europe, the common name "American woodbine" does not seem appropriate.
910. *Lonicera dioica* L. (*Lonicera glauca* Hill in Gray.) Smooth-leaved honeysuckle. Glaucus honeysuckle. Wild honeysuckle. Honeysuckle. Small yellow honeysuckle. Small woodbine. Woodbine. Crimson honeysuckle. Yellow honeysuckle. Common throughout the county. Also in Lambton county, Ontario. A beautiful vine. Fruit red.
- 910-a. *Lonicera glaucescens* Rydb. Douglass' honeysuckle. Honeysuckle. Common in dry or damp ground. First noticed by J. W. Stacey. Until recently this plant was included under the name of *Lonicera dioica* L. No. 910.
- 910-b. *Lonicera sempervirens* L. Trumpet honeysuckle. Coral honeysuckle. Woodbine. Scarlet trumpet honeysuckle. Honeysuckle. Trumpet-leaf honeysuckle. Often remaining in old yards, but not spreading. Native farther south. A high climbing vine. Ripe berry scarlet.
- 910-c. *Lonicera japonica* Thunb. Japanese honeysuckle. Chinese honeysuckle. Honeysuckle. From Asia. Often in old yards, but not escaping. A trailing vine or high climber. Ripe fruit black.
911. *Lonicera coerulea* L. Blue honeysuckle. Mountain fly-honeysuckle. Honeysuckle. In a swamp north of Capac. Rare. No doubt it was formerly plentiful, but drainage and fires have nearly destroyed it. A shrub from 1 to 3 feet high. Ripe fruit bluish-black, looking like a double berry.
- 911-a. *Lonicera oblongifolia* (Goldie) Hook. Swamp fly-honeysuckle. Honeysuckle. Fly-honeysuckle. Plentiful in swamps northeast of Sarnia, Lambton county, Ontario. T. C. Wheatley. Only locality noticed. A shrub from 2 to 7 feet high. Fruit red or crimson.
912. *Lonicera ciliata* Muhl. American fly-honeysuckle. Twin honeysuckle. Early fly-honeysuckle. Medaddy-bush. Fly-honeysuckle. Common in damp woods. Also in Lambton county, Ontario. A shrub from 3 to 6 feet high. Ripe berries red.

913. *Lonicera tatarica* L. Tartarian bush-honeysuckle. Tartarian honeysuckle. Honey-suckle. Bush-honeysuckle. Garden fly-honeysuckle. Fly-honeysuckle. From Asia. Common for ornament in yards and gardens, and has escaped to the banks of the St. Clair river below the city of St. Clair, where it hangs over the banks, its branches almost dipping into the water and appearing more beautiful by far than when growing in yards. A shrub from 5 to 10 feet high. Ripe fruit red.
914. *Diervilla diervilla* (L.) MacM. (*Diervilla trifida* Moench, in Gray.) Bush-honeysuckle. Gravel-weed. Life-of-man. Common bush-honeysuckle. *Wiegelia*. *Wiegelia*. Very common in woods and thickets. Also in Lambton county, Ontario. A shrub from 2 to 4 feet high. Flowers yellow.
- 914-a. *Diervilla japonica* DC. Bush-honeysuckle. *Wiegelia*. From Japan and China. Planted in yards and gardens, but not escaping.

DIPSACACEÆ. TEASEL FAMILY.

915. *Dipsacus sylvestris* Huds. Wild teasel. Common teasel. Card-teasel. Teasel. Teazel. Venus'-bath. Indian-thistle. Prickly-back. Pricky-back. Wood-broom. Devil's-rose. Venus's-cap. Church-broom. Shepherds'-staff. Card-thistle. Adam's-flannel. Water-thistle. Gipsy-combs. Hutton-weed. Becoming a weed in roads and fields. In many localities in Lambton county, Ontario, it is a very bad weed, often covering whole fields, and pastures.

CUCURBITACEÆ. GOURD FAMILY.

- 915-a. *Cucurbita pepo* L. Pumpkin. Pompion. Cold-seeds. Often growing wild in roads, fields, and woods, but not persisting. The pumpkin was cultivated with corn by the Indians when America was first discovered. All our squashes and gourds belong to this genus. The seeds of the pumpkin are often used for medicine.
- 915-b. *Citrullus citrullus* (L.) Karst. Watermelon. Citron. Cold-seeds. From Asia. Often spontaneous, but not persistent. The seeds often used in medicine. This is the delicious watermelon of our gardens. This immediate locality, however, does not seem to be adapted to the watermelon. Botanists give the watermelon and so called citron of the gardens, the same scientific name. This plant has become naturalized in Virginia and Texas.
- 915-c. *Cucumis melo* L. Melon. Muskmelon. Cantaloupe. The muskmelon of our gardens. From Asia. Often spontaneous, but not persistent.
- 915-d. *Cucumis sativus* L. Cucumber. From Asia. The cucumber of our gardens. Often spontaneous, but not persistent.
916. *Micrampelis lobata* (Michx.) Greene. (*Echinocystis lobata* T. & G. in Gray.) Wild balsam apple. Mock-apple. Wild cucumber. Squirting cucumber. Mock-orange. Creeper. Wild squirting cucumber. Elaterium. Elaterium cucumber. Native along Black river, where it climbs up high over willows and other bushes. Also planted in yards and gardens, whence it escapes to streets, roads, and fields. Also in Lambton county, Ontario as an escape from yards and gardens.
917. *Sicyos angulatus* L. One-seeded Bur-cucumber. Star-cucumber. Nimble Kate. Wild cucumber. Common in the city of Port Huron and other cities and villages of this county in streets, yards, and gardens. It seems to be adventive as I have never met with it in woods or along streams. Also adventive in Lambton county, Ontario.

CAMPANULACEÆ. BELL-FLOWER FAMILY.

918. *Campanula rotundifolia* L. Harebell. Blue bells of Scotland. Thimbles. Hairbell. Lady's-thimble. Heath-bells. Witches'-bells. Round-leaved bellflower. Bellflower. Common harebell. Common in dry ground. Also in Lambton county, Ontario. The round leaves at the base of the plant seldom seen at the time of blooming, but along the banks of Black river above Beard's mill, the round leaves are often well developed and remain so during the season.
919. *Campanula rapunculoides* L. Creeping bellflower. European bellflower. Bellflower. From Europe. Occasionally persisting in old yards, gardens, and cemeteries, and escaping to roads. Also in Lambton county, Ontario.
920. *Campanula aparinoides* Pursh. Marsh bellflower. Bedstraw bellflower. Small marsh bellflower. Slender bellflower. Common in swamps, marshes, and damp woods. Also in Lambton county, Ontario. A delicate and pretty plant.
921. *Campanula americana* L. Tall bellflower. Hibella. Tall wild bellflower. Bellflower. Common in damp woods and thickets. Also in Lambton county, Ontario.

922. *Legouzia perfoliata* (L.) Britton. (*Specularia perfoliata* A. DC. in Gray.) Venus' looking glass. Clasping bellflower. In dry woods and fields near Algonac. Also in Walpole Island, Kent county, Ontario. Only localities noticed.
923. *Lobelia cardinalis* L. Cardinal-flower. Red lobelia. Slink-weed. Queen-of-meadow. Queen-of-the-meadow. Red cardinal. Indian-pink. Garden lobelia. Hog-physic. Red-betty. Red cardinal-flower. Common in marshes, damp woods, and damp thickets. Also in Lambton county, Ontario. Flowers scarlet. A beautiful plant when in bloom.
924. *Lobelia syphilitica* L. Great lobelia. Lobelia. Blue cardinal flower. High-bellia. Blue lobelia. Great blue lobelia. Blue cardinal. Highbellia. Gemeine lobelia. A medicinal plant. Common in moist ground. Also in Lambton county, Ontario.
925. *Lobelia spicata* Lam. Pale spiked lobelia. Spiked lobelia. Lobelia. Common in dry ground, meadows, and edges of woods. Also in Lambton county, Ontario.
926. *Lobelia inflata* L. Indian tobacco. Wild tobacco. Gag-root. Puke-weed. Asthma-weed. Bladder-pod. Lobelia. Low-bellia. Bladder-pod lobelia. Green lobelia. Bladder-podded lobelia. Emetic-weed. Emetic-herb. Lobelia-herb. Brown lobelia. Eye-bright. Vomitwort. A medicinal plant. Frequent in fields and thickets. Also in Lambton county, Ontario.
927. *Lobelia kalmii* L. Brook lobelia. Kalm's lobelia. Lobelia. A medicinal plant. Frequent in marshes and damp woods and damp meadows. Also in Lambton county, Ontario.

CHICORIACEÆ. CHICORY FAMILY.

928. *Cichorium intybus* L. Chicory. Wild succory. Common chicory. Blue sailors. Bunk. Cichory. Blue dandelion. Wild bachelors'-buttons. Ragged sailors. Blue daisy. Bachelor's-button. Succory. Wild chicory. Barbe de capucin. Witloof. Witloef. From Europe. Becoming common along roads and in fields. Also in Lambton county, Ontario. The root of this plant, roasted and ground up, is used as a substitute or adulterant for coffee. Its production in this county and state as a crop is now being much agitated.
929. *Adopogon virginicum* (L.) Kuntze. (*Krigia amplexicaulis* Nutt. in Gray.) Cynthia. Virginia goatsbeard. False dandelion. Goatsbeard. Common in moist woods and meadows. Also in Lambton county, Ontario.
930. *Leontodon autumnale* L. Fall dandelion. Autumnal hawkbit. Lion's-tooth. Arnica. Arnica-bud. Dog-dandelion. Tall dandelion. From Europe. In the streets of the city of Port Huron. First noticed on Beard St. by Henry G. Hass. Now a vicious weed in the Eastern States and making its way west.
931. *Tragopogon pratensis* L. Yellow goatsbeard. Meadow-salsify. Goatsbeard. Buck's-bear. Noon-flower. Star-of-jerusalem. Noontide. Joseph's-flower. Go-to-bed-at-noon. John-go-to-bed-at-noon. Noon-day flower. From Europe. Occasionally found in streets and roads. First noticed by Bert D. Cady.
932. *Tragopogon porrifolius* L. Oyster-plant. Salsify. Purple goats-beard. Vegetable oyster. Jerusalem star. Nap-at-noon. Common salsify. Oyster-root. Salsafy. From Europe. Becoming common in streets, roads, along railroads, and on banks of streams. Also in Lambton county, Ontario. Well naturalized in this locality. Often planted in gardens for the root.
933. *Taraxacum taraxacum* (L.) Karst. (*Taraxacum officinale* Weber in Gray.) Dandelion. Blow-ball. Lion's-tooth. Cankerwort. Milk-gowan. Witch-gowan. Arnica. Peasant's clock. Yellow-gowan. Irish-daisy. Monk's-head. Priest's-crown. Puff-ball. Common dandelion. White endive. Swine-snout. Wild-endive. Dent-de-lion Löwenzahn. From Europe. A medicinal plant. Common in streets, roads, fields, meadows, pastures, thickets, and woods. Also in Lambton county, Ontario. The leaves of this plant furnish a scant but palatable and nutritious early forage in pastures for sheep.
934. *Sonchus arvensis* L. Corn sow-thistle. Milk-thistle. Dindle. Gutweed. Swine-thistle. Tree sow-thistle. Field sow-thistle. From Europe. In streets and roads. Rare. Also in Lambton county, Ontario. Rare.
935. *Sonchus oleraceus* L. Annual sow-thistle. Hare's lettuce. Sow-thistle. Common sow-thistle. Milk-thistle. Hare's-colewort. Milkweed. Milky tassell. Swinies. Musk-thistle. Sharp-sow. From Europe. Frequent in yards, gardens, and fields. Also in Lambton county, Ontario.
936. *Sonchus asper* (L.) All. Spiny sow-thistle. Sharp-fringed sow-thistle. Sow-thistle. Spiny-leaved sow-thistle. From Europe. Common in yards, gardens, and fields. Also in Lambton county, Ontario.
937. *Lactuca scariola* L. Prickly lettuce. Milkweed. Horse-thistle. Wild lettuce. From Europe. Becoming a very common and troublesome weed. Also in Lambton county, Ontario.

938. *Lactuca canadensis* L. Wild lettuce. Tall lettuce. Wild opium. Trumpet-weed. Trumpet milkweed. Trumpets. Fireweed. Milkweed. Butterweed. Devil's-weed. Horse-weed. Devil's iron-weed. Lettuce. Laitue vireuse. Gifflattich. A medicinal plant. Common in damp places. Also in Lambton county, Ontario.
939. *Lactuca hirsuta* Muhl. Hairy wood-lettuce. Red wood-lettuce. Milkweed. Red wild lettuce. Hairy lettuce. Frequent in dry ground and open dry woods. Also in Lambton county, Ontario.
940. *Lactuca spicata* (Lam.) Hitchc. (*Lactuca leucophæa* Gray in Gray.) Tall blue lettuce. False lettuce. Blue lettuce. Milkweed. Common in moist ground, moist woods, and thickets. Also in Lambton county, Ontario.
- 940-a. *Lactuca sativa* L. (Lettuce. Garden lettuce. Common lettuce. Opium lettuce. Lactucarium. Tridace. Salad. Sleepwort. Salat des jardins. Laitue sative. Gartensalat. Gartenlattich. A medicinal plant. Our common table lettuce. Sometimes spontaneous, but not persistent.
941. *Crepis tectorum* L. Narrow-leaved hawksbeard. Hawksbeard. From Europe. In yards, streets, and cemeteries. Rare.
942. *Hieracium venosum* L. Rattlesnake-weed. Poor robin's plantain. Robin's plantain. Early hawk-weed. Vein-leaf hawkweed. Striped bloodwort. Snake-plantain. Hawkbit. Hawkweed. Vineland hawkweed. Veiny-leaved hawkweed. Bloodwort. Common in dry woods and thickets. Also in Lambton county, Ontario.
943. *Hieracium canadense* Michx. Canada hawkweed. High dandelion. Hawkweed. Common in dry woods and thickets. Also in Lambton county, Ontario.
944. *Hieracium gronovii* L. Gronovius' hawkweed. Hairy hawkweed. Hawkweed. Cat's-ear. Common in dry ground and in dry open woods. Also in Lambton county, Ontario.
945. *Nabalus altissimus* (L.) Hook. (*Prenanthes altissima* L. in Gray.) Tall white lettuce. Lion's-foot. Rattlesnake-root. Drop-flower. Gall-of-the-earth. Bird-bell. Tall rattlesnake-root. White lettuce. Common in woods and thickets. Also in Lambton county, Ontario.
946. *Nabalus albus* (L.) Hook. (*Prenanthes alba* L. in Gray.) Rattlesnake-root. White lettuce. Lion's-foot. Cancer-weed. Cankerweed. Drop-flower. Gall-of-the-earth. Common white lettuce. Canker-root. White cankerweed. Common in woods and thickets. Also in Lambton county, Ontario.
947. *Nabalus racemosus* (Michx.) DC. (*Prenanthes racemosa* Michx. in Gray.) Glaucous white lettuce. Rattlesnake-root. Drop-flower. Gall-of-the-earth. In moist ground near Algonac. Also in Lambton county, Ontario. T. C. Wheatley. *Nabalus racemosus pinnatifidus* (A. Gray) Britton. (*Prenanthes racemosa pinnatifida* A. Gray in Gray) is also frequent in the same localities.

AMBROSIACEÆ. RAGWEED FAMILY.

948. *Ambrosia trifida* L. Horse-cane. Great ragweed. Buffalo-weed. Ragweed. Tall ambrosia. Richweed. Wild hemp. Horse-weed. Poverty-weed. Giant ragweed. Not common. A small patch of this has for years persisted in the rear of I. D. Carleton's residence lot on the east side of Military St. in the city of Port Huron. Plentiful in the southern part of the county near the shore of Lake St. Clair.
949. *Ambrosia artemisiæfolia* L. Ragweed. Roman wormwood. Hogweed. Wild tansy. Bitterweed. Stickweed. Stammerwort. Carrot-weed. Tassel-weed. Blackweed. American roman wormwood. Ambrosia. Common ragweed. Bastard wormwood. Traubenkraut. A medicinal plant. Very common and a pernicious weed in cultivated fields. Also in Lambton county, Ontario.
950. *Xanthium canadense* Mill. American cocklebur. Sea burdock. Hedgehog burweed. Cocklebur. Sea cocklebur. Canadian bur. Clotbur. Cuckie-bur. Sheep-bur. Clot-weed. Common along wet roads, ditches, edges of marshes, and streams. Also in Lambton county, Ontario.

COMPOSITÆ. THISTLE FAMILY.

951. *Vernonia gigantea* (Walt.) Britton. (*Vernonia altissima* Nutt. in Gray.) Tall ironweed. Ironweed. Near Algonac. Also on Walpole Island, Kent county, Ontario. Only localities noticed.
952. *Vernonia drummondii* Shuttlw. (*Vernonia altissima grandiflora* A. Gray in Gray.) Drummond's ironweed. Ironweed. Plentiful about Algonac. Also on Walpole Island, Kent county, Ontario. Much more common than the preceding.
953. *Eupatorium purpureum* L. Joe-pye-weed. Trumpet-weed. Gravel-root. Tall boneset. Purple boneset. Kidney-root. Queen-of-the-meadow. King-of-the-meadow. Nigger-weed. Motherwort. Marsh milkweed. Quillwort. Indian gravel-root. Joe-pye. Purple thoroughwort. A medicinal plant. Common in damp ground, marshes, and swamps. Also in Lambton county, Ontario.

954. *Eupatorium perfoliatum* L. Common thoroughwort. Boneset. Indian sage. Ague-weed. Crosswort. Wild sage. Thorough-wax. Throughgrow. Thoroughwort. Teasel. Feverwort. Thorough-stem. Wood-boneset. Vegetable antimony. Sweating-plant. Tearal. Durchwachsener wasserhanf. A medicinal plant. Very common in marshes, swamps, and wet ground. Also in Lambton county, Ontario.
955. *Eupatorium ageratoides* L. f. White snake-root. White sanicle. Indian sanicle. Stevia. Richweed. Pool-root. Pool-wort. Deerwort boneset. Common in rich woods. Also in Lambton county, Ontario.
- 955-a. *Lacinaria cylindracea* (Michx.) Kuntze. (*Liatris cylindracea* Michx. in Gray.) Cylindric blazing-star. Blazing-star. In poor and dry ground north of Sarnia, Lambton county, Ontario. Only locality noticed.
956. *Lacinaria scariosa* (L.) Hill. (*Liatris scariosa* Willd. in Gray.) Large button-snakeroot. Button-snakeroot. Blazing-star. Gay-feather. Blue blazing-star. Rattlesnake-master. Devil's-bite. In dry and poor ground north of the city of Port Huron, and only locality noticed here. Plentiful northeast of Sarnia, Lambton county, Ontario.
957. *Lacinaria spicata* (L.) Kuntze. (*Liatris spicata* Willd. in Gray.) Dense button-snakeroot. Gay-feather. Devil's-bit. Rattlesnake-master. Rough-root. Back-ache-root. Throat-wort. Prairie-pine. Colic-root. Button-snakeroot. Corn-snakeroot. Blazing-star. Sawwort. A medicinal plant. In marshes and damp meadows about Algonac. Only locality noticed in this county. Also in Lambton county, Ontario. Hundreds of acres covered with it on Walpole Island, Kent county, Ontario.
958. *Solidago caesia* L. Blue-stemmed Goldenrod. Wreath goldenrod. Goldenrod. Woodland goldenrod. Common in woods and thickets. Also in Lambton county, Ontario. A beautiful goldenrod, yet noticed only by a few. It is said that any goldenrod may take the common names, yellowtops, yellowweed, and flower-of-gold.
959. *Solidago flexicaulis* L. (*Solidago latifolia* L. in Gray.) Broadleaved goldenrod. Goldenrod. Common in rich woods. Also in Lambton county, Ontario. A beautiful goldenrod, yet seldom noticed.
960. *Solidago bicolor* L. White goldenrod. Silvan-rod. Silver-weed. Belly-ache-weed. Pale goldenrod. Goldenrod. In oak woods near the city of St. Clair. Only locality noticed.
961. *Solidago hispida* Muhl. (*Solidago bicolor concolor* T. & G. in Gray.) Hairy goldenrod. Goldenrod. Yellowtops. Flower-of-gold. Common in dry ground. Also in Lambton county, Ontario.
962. *Solidago uliginosa* Nutt. Bog goldenrod. Swamp goldenrod. Goldenrod. In swamps and marshes. Not common. Also in Lambton county, Ontario.
963. *Solidago rugosa* Mill. Wrinkle-leaved goldenrod. Tall hairy goldenrod. Hairy goldenrod. Pyramid goldenrod. Butter-weed. Dyer's-weed. Yellowtops. Flower-of-gold. Goldenrod. Common along roads, in fields, open woods, and thickets. Also in Lambton county, Ontario. One of our most common goldenrods.
964. *Solidago patula* Muhl. Rough-leaved goldenrod. Spreading goldenrod. Goldenrod. Common in swamps and wet places. Also in Lambton county, Ontario.
965. *Solidago ulmifolia* Muhl. Elm-leaved goldenrod. Goldenrod. Common in woods and thickets. Also in Lambton county, Ontario.
966. *Solidago neglecta* T. & G. Swamp goldenrod. Goldenrod. Pyramid goldenrod. Frequent in marshes and swamps. Also in Lambton county, Ontario.
967. *Solidago juncea* Ait. Early goldenrod. Sharp-toothed goldenrod. Goldenrod. Yellowtops. Plume goldenrod. Pyramid goldenrod. Flower-of-gold. Common in dry ground. Our earliest goldenrod. Also in Lambton county, Ontario.
968. *Solidago serotina* Ait. Late goldenrod. Goldenrod. Yellowtops. Flower-of-gold. Pyramid goldenrod. Frequent in damp ground. Also in Lambton county, Ontario. *Solidago serotina gigantea* (Ait.) A. Gray. is also found in same localities.
969. *Solidago canadensis* L. Canada goldenrod. Goldenrod. Yellowweed. High goldenrod. Yellowtops. Flower-of-gold. Pyramid goldenrod. Double goldenrod. In edges of fields, along fences, roads, and in open woods. Also in Lambton county, Ontario.
970. *Solidago nemoralis* Ait. Gray goldenrod. Field goldenrod. Goldenrod. Dyer's-weed. Yellowtops. Flower-of-gold. Dwarf goldenrod. Common in dry and poor ground. Also in Lambton county, Ontario.

971. *Solidago rigida* L. Stiff goldenrod. Hard-leaved goldenrod. Goldenrod. Rigid goldenrod. In dry and poor ground about Algonac. Only locality noticed in this county. More frequent in Lambton county, Ontario, and on Walpole Island, Kent county, Ontario.
972. *Solidago ohioensis* Riddell. Ohio goldenrod. Goldenrod. In Marshy ground near Algonac. Only locality noticed in this county. Also in Lambton county, Ontario, and on Walpole Island, Kent county, Ontario.
973. *Solidago riddellii* Frank. Riddell's goldenrod. Goldenrod. In wet ground near Algonac. Only locality noticed in this county. Also in Lambton county, Ontario, and on Walpole Island, Kent county, Ontario.
974. *Euthamia graminifolia* (L.) Nutt. (*Solidago lanceolata* L. in Gray.) Bushy goldenrod. Fragrant goldenrod. Lance-leaved goldenrod. Flat-top goldenrod. Goldenrod. Very common in damp ground. Also in Lambton county, Ontario.
975. *Bellis perennis* L. European daisy. Garden daisy. Herb margaret. Ewe-gowan. May-gowan. Childing daisy. Bonewort. Banwort. Bruise-wort. Bone-flower. March-daisy. Balrnwort. True daisy. English daisy. Bennert. Common garden daisy. Daisy. Hen-and-chickens. Gowans. Maple-flower. From Europe. Growing wild in yards in the city of Port Huron. First noticed in the yard of Dr. C. M. Stockwell.
976. *Aster macrophyllus* L. Large-leaved aster. Broad-leaved aster. Large aster. Aster. Common in dry woods. Also in Lambton county, Ontario. Root leaves large and heart-shaped. It is said the following common names may be applied to this and to all the following asters. Frost-flowers. Frost-weed. Daisies. It-brings-the-frost (Oneida Indians N. Y.). Michaelmas daisies. In North Carolina purple asters are called "good-bye-summer."
977. *Aster azureus* L. Sky-blue aster. Aster. Frequent in dry woods. Also in Lambton county, Ontario. A beautiful aster.
978. *Aster cordifolius* L. Common blue wood-aster. Branching aster. Common blue aster. Wood aster. Aster. Bee-weed. Tongue. Heart-leaved aster. Common in woods and thickets. Also in Lambton county, Ontario. A very beautiful aster.
979. *Aster sagittifolius* Willd. Arrow-leaved aster. Aster. Frequent in dry ground and dry woods. Plentiful near the city of St. Clair. Also in Lambton county, Ontario.
980. *Aster novæ-angliæ* L. New england aster. Aster. Starwort. Michaelmas daisy. Hardy aster. Common along roads, in fields, meadows, and edges of woods. Also in Lambton county, Ontario. One of the most beautiful asters.
981. *Aster puniceus* L. Red-stalk aster. Purple-stem aster. Early purple aster. Swan-weed. Cocash. Meadow scabish. Squaw-weed. Cold water-root. September-weed. Aster. Star-flower. Cocash-root. Common in swamps, damp open woods, and wet places. Also in Lambton county, Ontario. *Aster puniceus lucidulus* A. Gray, is also found in same localities.
982. *Aster lævis* L. Smooth aster. Blue aster. Aster. Common in dry ground. Also in Lambton county, Ontario. A beautiful aster and one of our commonest.
983. *Aster junceus* Ait. Rush aster. Aster. Common in swamps and marshes. Also in Lambton county, Ontario.
984. *Aster dumosus* L. Bushy aster. Rice-button aster. Aster. Frequent in marshy ground.
985. *Aster paniculatus* Lam. Tall white aster. Panicked aster. Aster. Common in damp ground and damp woods. Also in Lambton county, Ontario. Very variable.
986. *Aster tradescanti* L. Tradescant's aster. Aster. Michaelmas daisy. Blue chamomile. Blue daisy. Very common in marshes, swamps, and wet places. Also in Lambton county, Ontario.
987. *Aster ericoides* L. White heath aster. White rosemary. Heath aster. Frost-weed. Aster. Frost-weed aster. Michaelmas daisy. Farewell summer. White rosemary. Dog-fennel. Mare's-tail. Scrub-brush. Northeast of Sarnia, Lambton county, Ontario, near Blackwell Station. T. C. Wheatley. Only locality noticed.
Aster ericoides villosus T. & G. is found along the road below Marine City. Only locality noticed.
988. *Aster lateriflorus* (L.) Britton. (*Aster diffusus* Ait. in Gray.) Starved aster. Calico aster. Aster. Rosemary. Frequent in fields and along roads. Also in Lambton county, Ontario.
989. *Aster multiflorus* Ait. Dense-flowered aster. White wreath aster. Starry aster. Aster. Fall-flower. Common near Algonac. Only locality noticed in this county. Also in Lambton county, Ontario, and on Walpole Island, Kent county, Ontario.

990. *Erigeron pulchellus* Michx. (*Erigeron bellidifolius* Muhl. in Gray.) Robin's plantain. Poor robin's plantain. Rose-petty. Robert's-plantain. Blue spring-daisy. Daisy-leaved fleabane. Fleabane. Rose-betty. Common in dry open woods. Also in Lambton county, Ontario.
991. *Erigeron philadelphicus* L. Philadelphia fleabane. Skevish. Sweet scabious. Daisy-fleabane. Daisy. Field-daisy. Fleabane. Common fleabane. Common in roads, fields, and woods. Also in Lambton county, Ontario. Becoming a troublesome weed in hayfields.
992. *Erigeron annuus* (L.) Pers. Sweet scabious. Daisy-fleabane. Fleabane. Lace-weed. Common fleabane. White-weed. Whitetop weed. Larger daisy-fleabane. Field-daisy. Common in roads, fields, and woods. Also in Lambton county, Ontario.
993. *Erigeron ramosus* (Walt.) B. S. P. (*Erigeron strigosus* Muhl. in Gray.) Daisy-fleabane. Smaller daisy-fleabane. Field-daisy. Common in roads, fields, and open woods. Also in Lambton county, Ontario. Becoming a troublesome weed in hay-fields.
994. *Leptilon canadense* (L.) Britton. (*Erigeron canadense* L. in Gray.) Horse-weed. Canada fleabane. Butter-weed. Pride-weed. Fireweed. Blood-staunch. Cow's-tail. Colt's-tail. Bitter-weed. Hog-weed. Mare's-tail. Scabious. Fleabane. Horse-tail. Vergerette. Berufkraut. A medicinal plant. Common in roads, fields, and open woods. A bad weed in gardens and fields. Also in Lambton county, Ontario. This weed, however, has been reported valuable as sheep fodder in the arid regions of New Mexico and Arizona.
995. *Doellingeria umbellata* (Mill) Nees. (*Aster umbellatus* Mill. in Gray.) Tall flat-top white aster. Flat-top white aster. Tall aster. White aster. Aster. Common in moist ground. Also in Lambton county, Ontario.
996. *Antennaria plantaginifolia* (L.) Richards. Plantain-leaved everlasting. Mouse-ear everlasting. Spring everlasting. Early everlasting. White plantain. Pussy-toes. Ladies'-tobacco. Indian-tobacco. Love's-test. Dog's-toes. Mouse-ear. Woman's-tobacco. Ladies' chewing tobacco. Poverty-weed. Four-toes. Mouse-ear. Pearly everlasting. Pin-cushions. Splinter-weed. Immortelle. Everlasting. Rattlesnakes' plantain. Dwarf everlasting. Very common in dry ground. Also in Lambton county, Ontario.
997. *Anaphalis margaritacea* (L.) Benth. & Hook. Pearly everlasting. Large-flowered everlasting. Silver-leaf. Life everlasting. Moonshine. Poverty-weed. Lady-never-fade. Cotton-weed. None-so-pretty. Indian-posy. Silver-button. Life-of-man. Ladies'-tobacco. Pearl-flowered life everlasting. Cudweed. Immortelle. In dry and poor ground. Infrequent.
998. *Gnaphalium decurrens* Ives. Clammy everlasting. Winged cudweed. Sweet balsam. Balsam-weed. Common in damp or dry ground. Also in Lambton county, Ontario.
999. *Gnaphalium uliginosum* L. Low cudweed. Marsh cudweed. Wartwort. Cudweed. Mouse-ear. Dysentery-weed. Life everlasting. Common in damp or dry ground. Also in Lambton county, Ontario. Often a weed in fields. It seems to me to be native in this locality.
1000. *Gnaphalium purpureum* L. Purplish cudweed. Cudweed. Near Algonac in an old field. Also found by A. F. Foerste near Adair. Frequent in the southern part of the county.
1001. *Inula helenium* L. Elacampane. Horseheal. Scabwort. Horse elder. Yellow starwort. Elfdock. Starwort. Wild sunflower. Aunee. Heidenwurz. From Europe. A medicinal plant. Frequent in roads and fields. Also in Lambton county, Ontario. A very coarse plant.
1002. *Polymnia canadensis* L. Small-flowered leaf-cup. Leaf-cup. In rich woods near North St. Rare.
1003. *Heliopsis helianthoides* (L.) B. S. P. (*Heliopsis laevis* Pers. in Gray.) Ox-eye. False sunflower. Common in damp places and along streams. Also in Lambton county, Ontario.
1004. *Rudbeckia hirta* L. Black-eyed susan. Yellow daisy. Cone-flower. Nigger-head. Golden jerusalem. Ox-eye daisy. Brown-eyed susan. Brown daisy. Brown betty. Nigger-daisy. Bull's-eye. English bull's-eye. Purple cone-flower. Very common in roads, field, and open woods. Also in Lambton county, Ontario. A beautiful flower.
1005. *Rudbeckia laciniata* L. Tall cone-flower. Green-headed cone-flower. Thimbleweed. Cone-disk sunflower. Cone-disk. Cone-flower. A medicinal plant. Common in moist open ground, thickets, and woods. Also in Lambton county, Ontario.

- 1005-a. *Helianthus annuus* L. Common sunflower. Sunflower. Gold. Golden. Lareabell. Garden sunflower. Comb-flower. Wild sunflower. English moxa. A medicinal plant. Occasionally growing wild in roads and fields, but not persisting. Native on the western prairies. This is the large common sunflower of our gardens, but in its wild state is much smaller. It is more useful than ordinarily supposed. The flowers yield honey and a yellow dye, the leaves fodder, its seed an oil and food, and the stalks a textile fiber.
1006. *Helianthus giganteus* L. Tall sunflower. Giant sunflower. Wild sunflower. Sunflower. Common in swamps, damp meadows, thickets, and open woods. Also in Lambton county, Ontario. Flowers yellow and conspicuous in September and October. This is our most beautiful wild sunflower, often reaching a height of 12 feet.
1007. *Helianthus grosse-serratus* Martens. Saw-tooth sunflower. Sunflower. Wild sunflower. Occasionally found in the city of Port Huron and along the railroads. No doubt an immigrant from the South and West, where it is native.
1008. *Helianthus divaricatus* L. Rough sunflower. Woodland sunflower. Sunflower. Wild sunflower. Common in dry woods and thickets. Also in Lambton county, Ontario.
1009. *Helianthus decapetalus* L. Thin-leaved sunflower. Wild sunflower. Ten-petalled sunflower. Sunflower. Frequent in damp, rich woods. Also in Lambton county, Ontario.
1010. *Helianthus trachelifolius* Mill. Throatwort sunflower. Sunflower. Wild sunflower. North of Capac and in the township of Casco. Only localities noticed.
1011. *Helianthus strumosus* L. Pale-leaved wood sunflower. Wild sunflower. Sunflower. Common in dry woods and along dry banks of streams. Also in Lambton county, Ontario.
1012. *Helianthus tuberosus* L. Jerusalem artichoke. Earth-apple. Artichoke. Dog-bur. Sunflower. Wild sunflower. Canada potato. Girasole. Frequent along Black river and other streams. Native in this county. Also about Marine City. In a few places it has escaped from the banks of Black river into adjoining fields and became a troublesome weed. Have noticed it in Lambton county, Ontario, only as an escape.
This plant has been cultivated over 50 years for its edible tubers. Fed to milch cows, these tubers, which contain large amounts of sugar and gum, increase the flow of milk enormously. The leaves are eaten by all kinds of stock.
1013. *Coreopsis tripteris* L. Tall tickseed. Tickseed sunflower. Coreopsis. Common about Algonac. Only locality noticed. Also on Walpole Island, Kent county, Ontario. I think this a beautiful plant.
1014. *Bidens laevis* (L.) B. S. P. (*Bidens chrysanthemoides* Michx. in Gray.) Larger bur-marigold. Smooth bur-marigold. Brook sunflower. Bur-marigold. Spanish needles. Common in swamps, wet meadows, and wet places. Also in Lambton county, Ontario.
1015. *Bidens cernua* L. Smaller bur-marigold. Nodding bur-marigold. Bur-marigold. Water-agrimony. Double-tooth. Spanish needles. Beggar's-ticks. Pitchforks. Frequent in damp ground, edges of ponds, and along streams. Also in Lambton county, Ontario.
1016. *Bidens connata* Muhl. Purple-stemmed swamp beggar-ticks. Swamp Beggar-ticks. Spanish needles. Pitchforks. Cuckold. Harvest-lice. Frequent in swamp and wet ground. Also in Lambton county, Ontario.
1017. *Bidens comosa* (A. Gray). Wiegand. (*Bidens connata comosa* A. Gray in Gray.) Leafy-bracted stickseed. Stickseed. Spanish needles. Frequent in wet ground. Much resembling the preceding plant, in general appearance, and perhaps the same common names are applied to it. Also in Lambton county, Ontario.
1018. *Bidens discolor* (T. & G.) Britton. (*Coreopsis discolor* T. & G. in Gray.) Small beggar-ticks. Beggar-ticks. Withe-wood. In swamps and much resembling, in general appearance, slender and weak plants of the next.
1019. *Bidens frondosa* L. Beggar-ticks. Stick-tight. Rayless marigold. Beggar-lice. Pitchforks. Stick-seed. Common bur-marigold. Spanish needles. Old ladies' clothes-plns. Cuckles. Devil's pitchforks. Common beggar's tick. Cuckolds. Swamp beggar's-tick. Cow-lice. Very common in damp ground and damp fields. Also in Lambton county, Ontario. A troublesome and aggravating weed.
1020. *Bidens trichosperma* (Michx.) Britton. Tall tickseed-sunflower. Tickseed. Coreopsis. Marsh coreopsis Tickweed sunflower. Tickseed sunflower. Frequent in swamps, wet meadows, and marshes. The more common form here is *Bidens trichosperma tenuiloba* (A. Gray) Britton. (*Coreopsis trichosperma tenuiloba* A. Gray in Gray.) It is a beautiful fall plant, often covering the marshy ground, especially about Capac. Also in Lambton county, Ontario.

1021. *Helenium autumnale* L. False sunflower. Swamp sunflower. Sneezeweed. Yellow-star. Ox-eye. Sneezewort. Swamp sneezewort. Autumn sneezewort. Autumn sneezeweed. Staggerweed. A medicinal plant. This plant contains qualities poisonous to sheep, cattle, and horses, which are often killed by it. Frequent in swamps, wet meadows, and along streams. Also in Lambton county, Ontario.
- 1021-a. *Helenium tenuifolium* Nutt. Fine-leaved sneezeweed. Sneezeweed. Occasionally found along railroads. An immigrant from the southwest.
1022. *Achillea millefolium* L. Yarrow. Milfoil. Common yarrow. Sanguinary. Thousand-leaf. Nosebleed. Old man's pepper. Soldier's woundwort. Gordolobo. Noble yarrow. Cammock. Ladies'-mantle. Millefolium. Wa-be-no-wusk (Indians). Millefeuille. Schafgarbe. A medicinal plant. Very common. Also in Lambton county, Ontario. Considered a weed in this country, but in Europe, and especially in England, it is held to be a very valuable addition to sheep pastures. Flowers usually white, but occasionally deep pink.
1023. *Anthemis cotula* L. Mayweed. Dog's camomile. Fetid camomile. Dillweed. Mather. Dog-fennel. Dog-finkle. Hog-fennel. Maise. Morgan. Pigsty-daisy. Chigger-weed. Balders. Stinking camomile. Wild camomile. Maywort. Dilly-dillweed. Fieldweed. Fieldwort. Camomile puante. Maroute. Hundskamillenkraut. A medicinal plant. From Europe. In yards, gardens, fields, and along roads. A common weed. Also in Lambton county, Ontario.
1024. *Chrysanthemum leucanthemum* L. White-weed. White-daisy. Love me. Love me not. Common daisy. Ox-eye-daisy. Dog-daisy. Bull-daisy. Butter-daisy. Big-daisy. Midsummer-daisy. Moon-daisy. Horse-daisy. Poor-land-daisy. Maudlin-daisy. Field-daisy. Dutch morgan. Moon-flower. Moon-penny. Great white ox-eye. Poverty-weed. White man's weed. Herb-margaret. Marquerite. Bull's-eye. Kellup-weed. Bull's-eye daisy. Sheriff-pink. Golden-daisy. Daisy-flowers. Maudlinwort. Pismire. A medicinal plant. From Europe. Frequent along roads, railroads, and in fields. Also in Lambton county, Ontario. Fast spreading and becoming a bad weed in many hay-fields in this locality. However it is a beautiful plant.
- 1024-a. *Chrysanthemum parthenium* (L.) Pers. Common feverfew. Featherfew. Pellitory. Wild camomile. Febrifuge-plant. Matricaire. Mutterkraut. A medicinal plant. From Europe. Occasionally escaping from gardens into roads and fields, but not persisting.
1025. *Chrysanthemum balsamita* L. (*Chrysanthemum balsamita tanacetoides* Boiss. in Gray.) Costmary. Cost. Alecost. Alecoast. Lavender. Mint geranium. Cock-mint. From the Old World. Frequent in roads and fields. Also in Lambton county, Ontario. An escape from yards and gardens and well naturalized in this part of the state.
1026. *Tanacetum vulgare* L. Tansy. Bitter-buttons. Hindheal. Ginger-plant. Common tansy. Tanaisie. Rain farn. A medicinal plant. From Europe. Frequent in roads and fields. Also in Lambton county, Ontario. Well naturalized.
1027. *Artemisia caudata* Michx. Tall wormwood. Wild wormwood. Wormwood. Common in dry and sandy ground. Also in Lambton county, Ontario.
1028. *Artemisia absinthium* L. Common wormwood. Wormwood. Absinth. Maderwort. Mugwort. Mingwort. Warmot. Boy's-love. Absinthium. Absinthe commune. Armoise amère. Werrouth. A medicinal plant. From Europe. In dry and poor ground near Lakeside cemetery. Only locality noticed. An escape from yards and gardens.
- 1028-a. *Artemisia abrotanum* L. Southernwood. Lad's-love. Boy's-love. Slovenwood. Old-man. Sweet benjamin. Old-man's-tree. Aurone des jardins. Eberraute. A medicinal plant. From Europe. Remaining in old yards and gardens, but not escaping here. I have always heard this plant called "old man."
1029. *Artemisia biennis* Willd. Biennial wormwood. Wormwood. Very common here as a weed in damp ground, especially in the marshes about Capac. Also in Lambton county, Ontario.
1030. *Artemisia vulgaris* L. Common mugwort. Mugwort. Motherwort. Fellow-herb. Sallor's-tobacco. Wormwood. Green-ginger. Bulwand. Armoise commune. Belfuss. A medicinal plant. From Europe. Becoming frequent about the elevators in the city of Port Huron.
- 1030½. *Artemisia gnaphalodes* Nutt. (*Artemisia ludoviciana* Nutt. in Gray.) Western mugwort. Mugwort. Cud-weed mugwort. Mugwort. Sage. Well established along railroads and in dry sandy ground near the city of Port Huron. Also in Lambton county, Ontario.
1031. *Petasites palmata* (Ait.) A. Gray. Palmate-leaf sweet coltsfoot. Sweet coltsfoot. Butter-bur. In cold damp ground. Rare. First noticed by T. M. Danger of Port Huron, April 6, 1893, in Woodland cemetery. It has since been found west of Huronia Beach. A peculiar plant. It springs up early without leaves, goes to seed, dies down, the palmate leaves coming up and maturing later.

1032. *Erechtites hieracifolia* (L.) Raf. Fire weed. Pilewort. Various-leaved fleabane. A medicinal plant. Common in woods and thickets. Very abundant after fires have gone over new ground. Also in Lambton county, Ontario.
1033. *Senecio balsamitæ* Muhl. (*Senecio aureus balsamitæ* T. & G. in Gray.) Balsam groundsel. Groundsel. In poor and sandy ground. Rare in St. Clair county. Plentiful northeast of Sarnia, Lambton county, Ontario.
1034. *Senecio aureus* L. Golden ragwort. Life-root. Swamp squawweed. Grundy-swallow. False valerian. Snake-root. Waw-weed. Uncum-root. Cocash. Cocash-weed. Ragwort. Golden senecio. Cough-weed. Squawweed. Female regulator. Liferoot plant. Liferoot. Uncum. Uncum-pe-uncum. Unkum. Groundsel. Senecon. Kreuzkraut. Homp (Indian name near Waterbury and Plymouth, Conn., John K. Goodrich. Waterbury, Conn.). A medicinal plant. Common in damp woods and meadows. Also in Lambton county, Ontario.
- 1034-a. *Senecio vulgaris* L. Common groundsel. Grinsel. Simson. Birdseed. Chicken-weed. Groundsel. Fleawort. Groundle swallow. From Europe. Occasionally found northeast of Sarnia, Lambton county, Ontario. T. C. Wheatley.
1035. *Arctium lappa* L. Common burdock. Cockle-button. Burdock. Buzzies. Great bur. Cockle-bur. Cuckold-dock. Stick-button. Clotbur. Grass burdock. Bardana. Bardane. Burr-seed. Beggar's-buttons. Hardock. Hareburr. Hurr-burr. Turkey bur-seed. Cuckoo button. A medicinal plant. From Europe. Common in streets, roads, fields, and woods. Well naturalized and a vile weed. Also in Lambton county, Ontario.
1036. *Carduus lanceolatus* L. (*Cnicus lanceolatus* Willd. in Gray.) Common bur-thistle. Spear-thistle. Plume-thistle. Plumed-thistle. Bank-thistle. Horse-thistle. Bell-thistle. Bird-thistle. Blue-thistle. Button-thistle. Bull-thistle. Roadside-thistle. Boar-thistle. Stickers. Thistle. Common thistle. Milk thistle. Burr-thistle. From Europe. Common in roads, fields, waste places, and open woods. Also in Lambton county, Ontario.
1037. *Carduus discolor* (Muhl.) Nutt. (*Cnicus altissimus discolor* A. Gray in Gray.) Field-thistle. Stickers. Tall thistle. Thistle. Frequent along fences, edges of woods, and streams. Also in Lambton county, Ontario.
1038. *Carduus muticus* (Michx.) Pers. (*Cnicus muticus* Pursh. in Gray.) Swamp thistle. Thistle. Stickers. Common in swamps, damp thickets, and moist ground. Also in Lambton county, Ontario.
1039. *Carduus arvensis* (L.) Robs. (*Cnicus arvensis* Hoffm. in Gray.) Canada thistle. Creeping-thistle. Way-thistle. Prickly-thistle. Pricky-thistle. Cursed-thistle. Corn-thistle. Hard-thistle. Thistle. Stickers. A medicinal plant. From Europe. Common in streets, roads, fields, and open woods. Also in Lambton county, Ontario. A pernicious weed in this locality.
- 1039-a. *Mariana mariana* (L.) Hill. Milk thistle. Virgin Mary's thistle. Lady's-milk. Holy-thistle. Mary-thistle. Our Lady's thistle. A medicinal plant. From the Old World. Occasionally found in the yards and streets of the city of Port Huron, but not persistent.
- 1039-b. *Centaurea cyanus* L. Blue-bottle. Corn blue-bottle. Corn-flower. Witches'-bells. Thimbles. Corn-centaury. Corn-bottle. Corn-binks. Blue-caps. French-pinks. Brushes. Hurt-sickle. Blue-bonnets. Blaver. Blue-poppy. Barbeau. Bachelor's-button. From Europe. Occasionally found in streets and roads, but not persistent. A plant much planted in gardens.

ADDITIONS AND CORRECTIONS.

1040. *Panicum walteri* Pursh. (*Panicum crus-galli hispidum* Torr. in Gray.) Salt-marsh cockspur grass. Bristly panicum. On damp flat ground in the south part of the county near the shore of Lake St. Clair. Apparently indigenous. Geo. W. Howe.
1041. *Gentiana saponaria* L. Soapwort gentian. In edge of woods near the city of St. Clair. Only locality noticed.
1042. *Ipomæa purpurea* (L.) Roth. Morning-glory. Common morning-glory. Purple morning-glory. Bindweed. Ropewind. From tropical America. Common in yards and gardens, and escaping to the streets of the city of Port Huron, where it persists.
1043. *Eupatorium maculatum* L. Spotted joe-pye weed. Joe-pye weed. Spotted boneset. Plentiful in woods along Black river above and below Beard's mill. Only locality noticed.
1044. *Viola cucullata* Ait. Marsh blue violet. Violet. Blue violet. Common violet. Common in marshes and wet woods.

Avena striata Michx. Purple oat. Wild oat. Frequent in woods.

1045. *Oxalis cymosa* Small. Tall yellow wood-sorrel. Yellow wood-sorrel. Wood-sorrel. In the township of Ira. First noticed by J. W. Stacey.
1046. *Hieracium scabrum* Michx. Rough hawkweed. Hawkweed. In dry woods. First noticed by J. W. Stacey.
- 1046-a. *Allionia nyctaginea* Michx. (*Oxybaphus nyctagineus* Sweet in Gray.) Heart-leaved umbrella-wort. Umbrella-wort. Found in Richmond, Macomb county, Michigan, not far from the St. Clair county line. Brought to Richmond by Mrs. Gower from Iowa, more than 20 years ago, planted in the yard and from there it has spread into the streets.
1047. *Martynia louisiana* Mill. (*Martynia proboscidea* Glox. in Gray.) Unicorn plant. Elephant's trunk. Double claw. From the southwest. Occasionally found in streets and gardens in the city of Port Huron. First noticed by John M. Kane.
1048. *Antennaria neodiola* Greene. Smaller cat's-foot. Cat's-foot. Everlasting. Frequent in dry and poor ground.
1049. *Antennaria neglecta* Greene. Everlasting. Field cat's-foot. Frequent along the lake shore in poor and dry ground among scattering small oaks and pines. Also in Lambton county, Ontario.
1050. *Antennaria canadensis* Greene. Everlasting. Frequent in dry ground.
1051. *Antennaria farwellii* Greene. Everlasting. Occasional in dry ground.
1052. *Teucrium occidentale* A. Gray. Hairy germander. Germander. Frequent about Algonac and on Harsen's Island. Also in Lambton county, Ontario.
1053. *Gnaphalium obtusifolium* L. (*Gnaphalium polycephalum* Michx. in Gray.) Sweet balsam. White balsam. Sweet life everlasting. Fragrant life everlasting. Poverty-weed. Chafe-weed. Balsam-weed. Old-field balsam. Indian posey. Cudweed. Cotton-weed. Everlasting. Immortelle. Very common in poor open ground.
1054. *Viola ovata* Nutt. Ovate-leaved violet. Violet. Wild violet. In dryish ground about Algonac. First noticed by J. W. Stacey.

Should any one desire to inspect any plant mentioned in the foregoing list he will find it in my herbarium at the city of Port Huron, or in the St. Clair County Herbarium at the public library of the city of Port Huron, where each plant has the same number as found in this list, except those mentioned in the "additions and corrections."

C. K. DODGE.

Number of species of plants in St. Clair county known to date growing wild, 1112, June, 1900.

ERRATA.

- Page 233, No. 2½, first line, for "Adder's-tingue fern," read "Adder's-tongue fern."
Page 235, No. 34, line 5, for "Stagborn," read "Staghorn."
No. 38, line 3, for "gumm," read "gum."
Page 236, after No. 43, for "Texaceae," read "Taxaceae."
Page 238, first line, for "Vallisneriaceae," read "Vallisneriaceae."
No. 73, line 2, for "Crawfoot," read "Crowfoot."
No. 75, line 2, for "Crawfoot," read "Crowfoot."
No. 81½, for "Tichotomum," read "Dichotomum."
Page 239, No. 85-a, line 2, for "Hugarian," read "Hungarian."
Page 245, No. 162½, first line, for "Clintom," read "Clintonii."
Page 246, No. 189, first line, after word "filiformis," add "latifolia."
Page 247, No. 207, for "Hitchcock's," read "Hitchcock's."
No. 214, first line, for "pedicillata," read "pedicellata."
Page 248, No. 228, first line, for "muhlenbergia," read "muhlenbergii."
No. 232, first line, for "sparce," read "sparse."
Page 249, No. 258, first line, for "Toad-rosh," read "Toad-rush."
Page 252, No. 297, first line, for "Priestly," read "Bristly."
Page 253, No. 311, line 2, for "Archis," read "Orchis."
Page 254, No. 332, line 2, for "Shag-bary," read "Shag-bark."
Page 256, No. 347½, first line, for "beddiana," read "bebbiana."
Page 259, No. 387, first line, for "williw," read "willow."
Page 263, No. 443, first line, for "tuliperifera," read "tulipifera."
No. 444, line 3, for "tumeric," read "turmeric."
Page 267, No. 490, first line, for "edentulata," read "edentula."
Page 268, No. 508, first line, for "memorosa," read "nemorosa."
No. 514, first line, for "alysoides," read "alyssoideae."
Page 270, No. 539, line 3, for "Tobacoo," read "Tobacco."
Page 271, No. 540, line 11, second word, read "chiloensis."
Page 272, No. 560-b, for "cinnamonea," read "cinnamomea."
Page 278, No. 593, line 3, for "Sea-flower," read "Pea-flower."
No. 502, first line, for "regidum," read "rigidum."
Page 289, No. 723, first line, for "Masquash," read "Musquash."
Page 290, No. 734, first line, for "amonum," read "amomum."
Page 292, No. 759, first line, for "Creep," read "Creeping."
No. 767, first line, for "Naumburgia," read "Naumbergia."
Page 294, after No. 795, for "Pholx," read "Phlox."
Page 297, No. 828, first line, for "Organum," read "Origanum."
Page 299, No. 855, line 3, for "Knotty-rotted," read "Knotty-rpoted."
Page 305, after No. 927, for "Chicoriaceae," read "Cichoriaceae."
Page 311, No. 1,024, line 4, for "Marquerite," read "Marguerite."
Page 312, No. 1,032, first line, for "Erechtitles," read "Erechtites."