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PHOTOGRAPHS

OF

MEDICINAL^{AND} ECONOMIC PLANTS

FROM NATURAL LIVING SPECIMENS.

PLATES,

FIGURES.

BY

CHARLES L. LOCHMAN,

AUTHOR OF DOSE AND PRICE LABEL BOOK AND TRANSLATOR
OF THE GERMAN PHARMACOPŒIA.

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CHARLES L. LOCHMAN,
BETHLEHEM, PA.

1898.

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List of Photographs of Medicinal and Economic Plants Taken from Natural Living Specimens.

By CHARLES L. LOCHMAN, BETHLEHEM, PA.

When the primary name differs from that given in the revised list, prepared by a committee of the Botanical Club, American Association for the Advancement of Science, and published by the Torrey Botanical Club, (New York 1893-94,) its adopted name is added with the prefix of an asterisk (*) and the natural orders follow in the same sequence as in said list.

The photographs are printed on paper 6 1-2 x 8 1-2 inches (16.5 x 21.7 centimeters), and mounted on cards 9 x 12 inches (23 x 30.5 centimeters), having attached a label giving synonyms, natural order, habitat, time of flowering and medicinal properties.

The photographs are of great value in the lecture room, and the first numbers published have been adopted by a number of Medical and Pharmaceutical Colleges in this country, and by the University of France in Europe, as means of describing the medicinal plants. The private student of Botany will also find them very serviceable, and, aside from their scientific interest, as works of art, they are very suggestive to the decorative artist.

- FILICES.
1. *Aspidium Filix-mas Sw.*
* *Dryopteris Filix-mas (L.) Schott.*
 2. *Aspidium marginale Sw.*
* *Dryopteris marginalis (L.) A. Gray.*
- CONIFERÆ.
3. *Abies Canadensis Michx.*
* *Tsuga Canadensis (L.) Carr.*
 4. *Abies nigra Roiset.*
* *Picea Mariana (Mill.) B. S. P.*
* *Abies Mariana (Mill.) Pinus nigra Ait.*
Picea nigra Link.
 5. *Juniperus communis L.*
 6. *Juniperus Virginiana L.*
- GRAMINEÆ.
7. * *Coix Lacryma Jobi L.*
- ARACEÆ.
8. *Acorus Calamus L.*
 8. *Arisæma triphyllum (L.) Torr.*
 10. *Symplocarpus foetidus Nutt.*
* *Spathyema foetida (L.) Raf.*
- LILIACEÆ.
11. *Chamælorium luteum (L.) A. Gray.*
 12. *Veratrum viride Ait.*
 13. *Allium sativum L.*
 14. *Lilium candidum L.*
 15. *Smilacina racemosa Desf.*
* *Vagnera racemosa (L.) Morong.*
 16. *Polygonatum biflorum (Walt.) Ell.*
 17. *Convallaria majalis L.*
 18. *Trillium erectum L.*
Trillium pendulum Willd.
 19. *Trillium sessile L.*
Trillium viride Beck.
- MELANTHACEÆ.
20. *Colchicum autumnale L.*
 21. *Colchicum autumnale in fruit.*
- DIOSCOREACEÆ.
22. *Dioscorea villosa L.*
- IRIDACEÆ.
23. *Iris versicolor L.*
 24. *Crocus sativus L.*
- ORCHIDACEÆ.
25. *Cypripedium acaule Aiton.*
 26. *Cypripedium pubescens Willd.*
* *C. hirsutum Mill.*
 27. *Goodyera pubescens Willd.*
* *Peramium pubescens (Willd.) Mac M.*
- MYRICACEÆ.
28. *Comptonia asplenifolia Gaert.*
* *Comptonia peregrina (L.) Coulter.*
Myrica asplenifolia L.
- JUGLANDACEÆ.
29. *Myrica cerifera L.*
- BETULACEÆ.
30. *Betula lenta L.*
 31. *Alnus serrulata Willd.*
* *Alnus rugosa (Du Roi.) K. Koch.*
- FAGACEÆ. (CUPULIFERÆ.)
32. *Castanea vesca var. Americana Michx.*
* *Castanea dentata (Marsh.) Borkh.*
 33. *Quercus alba L.*
 34. *Quercus coccinea Wang.*
and *Q. tinctoria.* * *Q. Velutina Lam.*
 35. *Quercus Prinus L.*
 36. *Quercus imbricaria Michx.*
 37. *Quercus macrocarpa Michx.*
 38. *Quercus bicolor Willd.*
* *Quercus platanoidea (Lam.) Sudw.*
- ULMACEÆ.
39. *Ulmus fulva Michx.*
- MORACEÆ. (URTICACEÆ.)
40. *Humulus Lupulus L.*
 41. *Maclura aurantiaca Nutt.*
* *Toxylon pomiferum Raf.*
 42. *Ficus Carica L.*
- ARISTOLOCHIACEÆ.
43. *Asarum Canadense L.*
 44. *Aristolochia Serpentaria L.*
- POLYGONACEÆ.
45. *Rumex obtusifolius L.*
 46. *Rheum officinale Baillon.*
 47. *Rheum officinale. Leaf and panicle.*
- CHENOPODIACEÆ.
48. *Chenopodium ambrosioides L.*
 49. *Chenopodium anthelminticum L.*
 50. *Chenopodium Botrys L.*
 51. *Salicornia herbacea L.*
- HYTPOACCACEÆ.
52. *Phytolacca decandra L.*
- CARYOPHYLLACEÆ.
53. *Saponaria officinalis L.*
- NYMPHÆACEÆ.
54. *Nymphaea odorata Aiton.*
* *Castalia odorata.*
- MAGNOLIACEÆ.
55. *Liriodendron Tulipifera L.*
- RANUNCULACEÆ.
56. *Hydrastis Canadensis L.*
 57. *Helleborus viridis L.*
 58. *Actæa alba (L.) Mill.*
 59. *Cimicifuga racemosa (L.) Nutt.*

27a *Juglans cinerea L.*
27b " *nigra L.*
180a *Monarda fistulosa L.*
180b " *punctata L.*
27c *Carya sulcata Nutt.*
27d " *alba Nutt.*
27e " *hemisphaerica Nutt.*
27f " *ovata Nutt.*
27g " *pruinosa Nutt.*
27h " *amara Nutt.*

54a *Nymphaea glauca L.*
57a *Helleborus viridis L.*

60. *Aquilegia Canadensis* L.
 61. *Delphinium Consolida* L.
 62. *Aconitum napellus* L.
 63. *Anemone Pennsylvanica* L.
 * *Anemone Canadensis* L.
 64. *Clematis Virginiana* L.
 65. *Atragene Americana* L.
 66. *Anemone Virginiana* L.
 67. *Hepatica triloba* Chaix.
 * *Hepatica Hepatica* (L.) Karst.
 BERBERIDACEÆ.
 68. *Podophyllum peltatum* L.
 69. *Caulophyllum thalictroides* Michx.
 70. *Berberis vulgaris* L.
 MENISPERMACEÆ.
 71. *Menispermum Canadense* L.
 CALYCANTHACEÆ.
 72. *Calycanthus floridus* L.
 * *Buettneria florida* (L.) Kearney.
 LAURACEÆ.
 73. *Sassafras officinale* Nees.
 * *Sassafras Sassafras* (L.) Karst.
 74. *Lindera Benzoin* Blume.
 * *Benzoin Benzoin* (L.) Coulter.
 PAPAVERACEÆ.
 75. *Sanguinaria Canadensis* L.
 76. *Chelidonium majus* L.
 77. *Dicentra Canadensis* D. C.
 * *Bicuculla Canadensis* (Goldie.) Millsp.
 78. *Dicentra Cucullaria* Torr.
 * *Bicuculla Cucullaria* (L.) Millsp.
 79. *Papaver somniferum* L.
 SARRACENIACEÆ.
 80. *Sarracenia pupurea* L.
 DROSERACEÆ.
 81. *Drosera rotundifolia* L.
 82. *Dionaea muscipula* Ell.
 CRASSULACEÆ.
 83. *Penthorum sedoides* L.
 SAXIFRAGACEÆ.
 84. *Heuchera Americana* L.
 85. *Hydrangea arborescens* L.
 HAMAMELIDACEÆ.
 86. *Hamamelis Virginica* L.
 ROSACEÆ.
 87. *Gillenia stipulacea* Nutt.
 * *Porteranthus stipulatus* (Muhl.) Britton.
 88. *Gillenia trifoliata* Mærch.
 * *Porteranthus trifolius* (L.) Britton.
 89. *Geum rivale* L.
 90. *Prunus serotina* Ehrh.
 91. *Prunus serotina* and *Virginiana* (in fruit).
 LEGUMINOSÆ.
 92. *Cassia Marilandica* L.
 93. *Cytisus Laburnum* L.
 94. *Melilotus officinalis* (L.) Lam.
 GERANACEÆ.
 95. *Geranium maculatum* (L.).
 96. *Geranium Robertianum* L.
 and *G. Carolinianum* L.
 RUTACEÆ.
 97. *Dictamnus Fraxinella* Persoon.
 98. *Ptelea trifoliata* L.
 99. *Ruta graveolens* L.
 SIMARUBACEÆ.
 100. *Ailanthus glandulosa* Desf.
 POLYGALACEÆ.
 101. *Polygala Senega* L.
 EUPHORBIACEÆ.
 102. *Ricinus communis* L.
 103. *Euphorbia corollata* L.
 104. *Euphorbia marginata* Pursh.
 ANACARDIACEÆ.
 105. *Rhus Toxicodendron* L.
 * *Rhus radicans* L.
 106. *Rhus radicans* (in fruit).
 AQUIFOLIACEÆ.
 107. *Ilex opaca* Ait.
 CELASTRACEÆ.
 108. *Euonymus atropurpureus* Jacq.
 109. *Celastrus scandens* L.
 STAPHYLACEÆ.
 110. *Staphylea trifolia* L.
 ACERACEÆ.
 111. *Acer nigrum* Michx.
 112. *Acer Saccharum* Marshall.
 113. *Acer dasycarpum* Ehrh.
 * *Acer saccharinum* L.
 114. *Acer Pennsylvanicum* L.
 115. *Acer spicatum* Lam.
 116. *Acer rubrum* L.
 117. *Negundo aceroides* Mærch.
 * *Acer Negundo* L.
 118. *Acer platinoides* L.
 119. *Acer pseudo-platanus* L.
 HIPPOCASTANACEÆ.
 120. *Æsculus Hippocastanum* L.
 121. *Æsculus Hippocastanum* (in fruit).
 RHAMNACEÆ.
 122. *Ceanothus Americanus* L.
 VITACEÆ.
 123. *Ampelopsis quinquefolia* Michx.
 * *Parthenocissus quinquefolia* (L.) Planch.
 TILIACEÆ.
 124. *Tilia Americana* L.
 MALVACEÆ.
 125. *Althæa officinalis* L.
 126. *Gossypium herbaceum* L.
 HYPERICACEÆ.
 127. *Hypericum perforatum* L.
 VIOLACEÆ.
 128. *Viola pedata* L.
 129. *Viola tricolor* L.
 THYMELEACEÆ.
 130. *Daphne Mezereum* L.
 ONAGRACEÆ.
 131. *Oenothera biennis* L.
 * *Onagra biennis* (L.) Scop.
 ARALIACEÆ.
 132. *Aralia nudicaulis* L.
 133. *Aralia racemosa* L.
 134. *Aralia spinosa* L.
 135. *Panax quinquefolium* L.
 UMBELLIFERÆ.
 136. *Angelica atropurpurea* L.
 137. *Eryngium yuccifolium* Michx.
 * *Eryngium aquaticum* L.
 138. *Sanicula Marilandica* L.
 139. *Anethum Foeniculum* L.
 * *Foeniculum Foeniculum* (L.) Karst.
 140. *Anethum graveolens* L.
 141. *Osmorrhiza longistylis* (Torr.) D. C.
 142. *Conium maculatum* L.
 143. *Carum Carvi* L.
 144. *Cicuta maculata* L.
 145. *Coriandrum sativum* L.
 CORNACEÆ.
 146. *Cornus sericea* L.
 * *Cornus Amomum* Mill.
 147. *Cornus florida* L.

79 a *Fernaria officinalis* L

121 a *Phumum catharticus* L
 122 b " *Pensilvanica*

137 a *Sanicula Canadensis* L

- PYROLACEÆ.
148. *Chimaphilla maculata* (L.) Pursh.
and *C. umbellata* (L.) Nutt.
- MONOTROPACEÆ.
149. *Monotropa uniflora* L.
- ERICACEÆ.
150. *Rhododendron maximum* L.
151. *Kalmia latifolia* L.
152. *Leucothoe racemosa* (L.) A. Gray.
153. *Epigæa repens* L.
154. *Gaultheria procumbens* L.
155. *Vaccinium crassifolium* Andr.
- EBENACEÆ.
156. *Diospyros Virginiana* L.
- OLEACEÆ.
157. *Fraxinus Americana* L.
- LOGANIACEÆ.
158. *Spigelia Marilandica* L.
159. *Gelsemium sempervirens* (L.) Ait.
- GENTIANACEÆ.
160. *Gentiana Andrewsii* Gries.
161. *Gentiana crinita* Froel.
162. *Gentiana quinqueflora* Lam.
* *Gentiana quinquefolia* L.
163. *Menyanthes trifoliata* L.
- ASCLEPIADACEÆ.
164. *Asclepias incarnata* L.
165. *Asclepias cornuti* Dec.
* *Asclepias Syriaca* L.
166. *Asclepias tuberosa* L.
- BORAGINACEÆ.
167. *Symphytum officinale* L.
168. *Borrago officinalis* L.
169. *Echium vulgare* L.
- LABIATÆ.
170. *Collinsonia Canadensis* L.
171. *Mentha arvensis* var. *piperascens*.
172. *Mentha piperita* L.
173. *Mentha rotundifolia* (L.) Huds.
174. *Mentha viridis* L.
* *Mentha spicata* L.
175. *Lycopus Europæus* L.
176. *Lycopus Virginicus* L.
177. *Hyssopus officinalis* L.
178. *Hedeoma pulegioides* (L.) Pers.
179. *Melissa officinalis* L.
180. *Salvia officinalis* L.
181. *Nepeta Cataria* L.
182. *Scutellaria lateriflora* L.
183. *Prunella vulgaris* L.
184. *Marrubium vulgare* L.
185. *Leonurus Cardiaca* L.
- SOLANACEÆ.
186. *Hyoscyamus niger* L.
187. *Solanum Dulcamara* L.
188. *Solanum nigrum* L.
189. *Datura Stramonium* L.
190. *Nicotiana Tabacum* L.
191. *Atropa Belladonna* L.
- SCROPHULARIACEÆ.
192. *Linaria vulgaris* Mill.
* *Linaria Linaria* (L.) Karst.
193. *Chelone glabra* L.

180 a *Monarda fistulosa* L.
180 b " *punctata* L.

CONVOLVULACEÆ

166 a *Ipomoea pendulata*

194. *Veronica officinalis* L.
195. *Veronica Virginica* L.
* *Leptandra Virginica* (L.) Nutt.
196. *Digitalis purpurea* L.

197. *Epiphegus Virginiana* (L.) Bart.

198. *Catalpa bignonioides* Walt.
* *Catalpa Catalpa* (L.) Karst.

199. *Plantago major* and *P. lanceolata* L. *Angelica*

200. *Rubia tinctorum* L.
201. *Cephalanthus occidentalis* L.

202. *Sambucus Canadensis* L.
203. *Viburnum prunifolium* and *V. Lentago* L.
204. *Triosteum perfoliatum* L.

205. *Valeriana officinalis* L.

206. *Dipsacus sylvestris* Huds.

207. *Echinocystis lobata* T. & G.
* *Micrampelis lobata* (Michx.) Greene.
208. *Sicyos angulatus* L.

209. *Lobelia inflata* L.
210. *Lobelia syphilitica* L.

211. *Vernonia noveboracensis* Willd.
212. *Eupatorium perfoliatum* L.
213. *Eupatorium purpureum* L.
214. *Liatris odoratissima* Willd.
* *Trilisa odoratissima* (Walt.) Cass.
215. *Erigeron annuus* Pers.
216. *Erigeron Canadensis* L.
217. *Erigeron strigosus* Muhl.
* *Erigeron ramosus* (Walt.) B. S. P.
218. *Inula Helenium* L.
219. *Ambrosia trifida* and *A. artemisiæfolia* L.
220. *Achillea Millefolium* L.
221. *Anthemis Cotula* and *A. arvensis* L.
222. *Anthemis nobilis* L.
223. *Matricaria Chamomilla* L.
224. *Tanacetum vulgare* L.
225. *Artemisia Absinthium* L.
226. *Artemisia Abrotanum* L.
227. *Artemisia annua* L.
228. *Artemisia vulgaris* L.
229. *Tussilago Farfara* L.
230. *Calendula officinalis* L.
231. *Erechthites hieracifolia* Raf.
232. *Lappa officinalis* Allioni.
* *Arctium Lappa* L.
Lappa major Gert.
233. *Cnicus benedictus* L.
234. *Carthamus tinctorius* L.

235. *Cichorium Intybus* L.
236. *Taraxacum Dens-leonis* Desf.
* *Taraxacum Taraxacum* (L.) Karst.
237. *Nabulus albus* Hook.
* *Prenanthes alba* L.

238 *Helianthus tuberosus* L.

199 a *Plantago lanceolata* L

203 a *Viburnum spulus* L