

3. var. lobatum; Deakin.

A. lobatum (Aiton) Swartz, Willd. 260. *Aspidium aculeatum* var. *lobatum* was found by Mrs. Girwood during the past summer on Ile Ferrot, near Ste. Anne.

4. *P. Louchitis* (Linn. 1548).

Schott, Gen. Fil. t. 9.

5. *P. aerostichoides* (Michx. 267).

Schott, Gen. Fil. t. 9.

6. *P. munitum* (Kaulf. 230).

Referred by Mr. Moore to *A. falcinellum*, Swartz 26. Vancouver Island, and 19° N. Lat., Dr. Lyall.

Cystea, Smith.

I adopt Sir J. E. Smith's characteristic name for this genus, as I do not consider Bernhardt's genera to be of much value.—Eng. Fl. iv. 260, 261.

1. *C. bulbifera* (Linn. 1553).

Aspidium b., Swartz 59. "A. atomarium Muhl.", Gray!

2. *C. fragilis* (Linn. 1553).

Smith, l. c. 285; N. tenue, Michx. 269; A. atomarium and A. tenue, Pursh 655.

3. *C. montana* (Lamarek).

Aspidium, Swartz 61. Said to be found in north-western America.

Woodsia, L. Br.1. *W. Ilvensis* (Linn. 1528).

R. Br. Linn. Trans. xi. 173; *Neph. rufidulum*, Michx. 269; *W. Ilvensis* and *W. hyperborea*, Pursh 660.

2. *W. alpina* (Bolton).

W. hyperborea, R. Br. l. c. t. 11, Hook. Br. Ferns, t. 9; *W. alpina*, Moore, Nat. pr. Br. Ferns, t. 106. More properly *W. Ilvensis* var. *alpina*. Scarcely distinct from No. 1.—from which, however, it may usually be distinguished by its smoothness, shorter pinnae, more rounded lobes, and darker (often almost ebeneous) stipes which have fewer scales.

3. *W. hyperborea* (Liljeb.)

Newfoundland, per Geological Survey. I regard the *Acrostichum hyperboreum* of L. C. as quite distinct from the *A. alpinum* of Bolton, (Fil. Brit. t. 42), and as very closely allied to No. 4.

4. *W. glabella*, R. Brown.

Rich. App. 39; Hook. Fl. Bor.-Am. t. 237. Probably identical with No. 3 and thus *W. hyperborea* var. *glabella*, but very distinct from Nos. 1 and 2.

5. *W. Oregona*, Eaton.

In Can. Nat. (1869) 90.

6. *W. scopulina*, Eaton.

l. c. 91.

7. *W. obtusa* (Sprengel).

Torrey, Cat. Pl. 1810; *Aspidium*, Swartz 420, Pursh 662.

Onoclea, Linn.1. *O. sensibilis*, Linn. 1517.

O. obtusilobata is merely an abnormal form having semi-sterile fronds.

2. *O. Struthiopteris* (Linn. 1522).

Swartz 111.; *Struthiopteris* Pennsylvanica, Willd. 289, Pursh 666. Hardly generically distinct from *Onoclea*.

Tribe DAVALLIÆ.

Dicksonia, L'Heritier.1. *D. ? punctilobula* (Michx. 268).

Kunze in Silliman's Journal, Nov. (1848) 88.
D. pilosiuscula (Muhl.) Willd. 484; Pursh 671.

Sub. HYMENOPHYLLÆ.

Hymenophyllum, Smith.1. *H. ciliatum*, Swartz 147.

Pursh 671. Doubtless an error of Pursh; he may have collected *Trichomanes radicans*, which is found in the Southern States.

Suborder SCHIZÆINEÆ.

Schizaa, Smith.1. *S. pusilla*, Pursh 657.*Lygodium*, Swartz.1. *L. palmatum* (Linn. 1518).

Swartz 154; *Citidium paniculatum*, Michx. 275. *Hydroglossum*, Willd. 84, Pursh 659.

Suborder OSMUNDINEÆ.

Osmunda, Linn.1. *O. regalis*, β. Linn. 1521.

O. spectabilis, Willd. 98, Pursh 658.

2. *O. Claytoniana*, Linn. 1521.

Pursh 657; *O. interrupta*, Michx. 273, Pursh 657.

3. *O. cinnamomea*, Linn. 1522.

Suborder OPHIOGLOSSÆÆ.

Botrychium, Swartz.1. *B. Lunaria* (Linn. 1519).

Swartz 171. *Osmunda*, Linn.

2. var. *simplex*.

B. simplex Hitchcock.

3. *B. matricarifolium*, A. Braun.

Osmunda matricarie, Brey. *B. rutaceum*, Swartz 171. Possibly identical with No. 1. Doubtfully North American.

4. var. *lanceolatum*.

Osmunda lanceolata Gmel. *B. lanceolatum*, Angstrom. Possibly a distinct species.

5. *B. virginianum* (Linn. 1519).

Swartz 171; Pursh 656; *B. gracile* Pursh 656; *Botrypus*, Michx. 271.

6. *B. lunaroides* (Michx. 274).

Swartz 172; *B. fumaroides*, Pursh 655.

7. var. *obliquum*, Gray.

B. obliquum (Poir.) Muhl., Pursh 655.

8. var. *dissectum*, Gray.

B. dissectum (Poir.) Muhl., Pursh 656.

Ophioglossum, Linn.1. *O. vulgatum*, Linn. 1518.

O. vulgatum and *O. bulbosum*, Michx. 275-6, Pursh 656.