

H. HAMULOSUM, Frol.

Leaves hamulose ovate lanceolate serrate, nerveless, stem procumbent pinnate sporangium, subcylindrical, lid conical acuminate, forming dark green patches, closely matted on rocks, and the boles of trees, bearing fruit in summer.

H. SCORPOIDES, L.

Stems procumbent, irregularly branched leaves imbricated, falcato secund, concave entire, nerveless or two nerved, sporangium, oblong curved cernuous, lid conical, beaked. Not common. in swampy woods, fruiting in spring and early summer.

H. ARCTICUM. Somm.

Stem creeping, branching irregularly, procumbent, branches, somewhat erect, leaves spreading, not squarrose, rigid entire nerved sporangium oval, cernuous, lid conical obtuse, forming dark green patches on rocks in running brooks, bearing fruit in May and during the Summer.

PYLAISIA. polyantha. Schimp.

Stem creeping, much branched, branches arched growing from the upper side of the stem, leaves secund turned upward, ovate acuminate, faintly two nerved or nerveless, entire, sporangium oblong, curved, fruitstalk long. Common on trunks and boles of trees, fruiting in September.

ORDER.—*Drepanophyllei. Mont.**FISSIDENS. taxifolius. Hedw.*

Leaves crowded, lanceolate, mucronate, margin crenulate, fruitstalk long radical, sporangium oblong cernuous, lid beaked. Bearing fruit in September. In moist woods common.

F. TAMARINDIFOLIUS. Donn.

Leaves short, distant, spreading, elliptic, bordered entire, apiculate, sporangium ovate, curved, lid conical, acuminate, fruitstalk arising from the base of the barren shoots, found in fruit in August, growing on roots of beech and other hardwood in damp woods, not so common as the last.