

white-hoary; perith. hemispherical, dimidiate (not immersed at the base), persistent; nucleus whitish. *Fr. Lichenogr. p. 444.*

Trunks. New England. New York, *Halsey.*

8. *V. epidermidis*, Fr. Cr. innate in the matrix or obsolete; perith. dimidiate, the base patent, innate-superficial, at length collapsing, and together with the nucleus, applanate-depressed. *Fr. Lichenogr. p. 444.* — α ; perith. larger, orbiculate. *Fr. l. c. V. analepta*, Ach. — β ; perith. larger, elliptical. *Fr. l. c. V. Cerasi & epidermidis*, Ach. — γ ; perith. small, punctiform (with the habit of the next species). *Fr. l. c. V. stigmatella*, Ach. *part.*

Trunks, mostly on smooth bark; New England, and westward to New York (α and β), *Halsey.* Arctic America, *Rich.*

9. *V. punctiformis*, Pers. Cr. innate in the matrix or obsolete; perith. innate-superficial, semiglobose, subdimidiate, the base inflexed, nucleus globose. *Fr. Lichenogr. p. 447. V. stigmatella*, Ach. *part.*

Trunks on smooth bark; New England. New York, *Torrey.* Pennsylvania, *Muhl.* Arctic America, *Rich.*

10. *V. pulla*, Ach. Cr. smoothish, blackish-fuscon; perith. minute hemispherical, glabrous, subpapillate, black within. *Ach. Syn. p. 88.*

Bark of *Dirca palustris*, Ach., who compares it with *V. carpinum*, which is referred to the last species by Fries.

Tribe IV. LIMBORIACEÆ, Fr.

XXIX. PYRENOTHEA, Fr.

Perithecia round, carbonaceous, closed, pertuse at length with a simple ostiole, and protruding the somewhat gelatinous, bursting nucleus finally dehiscient, explanate, and empty. (A disciferous state occurs in a single species.) Thallus crustaceous.

P. leucocephala, Fr. Crust smooth, glaucescent; perithecia subglobose, naked, black, coronate with the white, persistent, globuliform nucleus. *Fr. Lichenogr. p. 450.* — β . *Lecidina*, Fr.; crust somewhat leprous; disk dilated-scutelliform, rigescent, covered for the most part with a dense pale-yellowish-cinereous bloom. *Fr. l. c. Lecidea abietina*, Ach.

Trunks (β), Arctic America, *Rich.*