

## SPIRIFER CRISPUS? Hisinger. Var.

Plate 27, fig. 1.

Shell apparently similar, in size and general shape, to the *S. crispus*, as described and figured by European and American palaeontologists, but with narrow and angular, not broad and rounded ribs.

Middle rapid: one specimen.

SPIRIFER (?) sp. indet.

Portage road at falls, one specimen; and foot of portage road, one specimen; both casts of the interior of ventral valves that are possibly referable to *S. radiatus*, Sowerby, but that are much too imperfect and too badly preserved to be satisfactorily determined, even generically.

## RETICULARIA SEPTENTRIONALIS, Whiteaves.

Plate 27, figs. 2, 3, 4 and 5.

*Reticularia septentrionalis*, Whiteaves.....1904. Geol. Surv. Canada, Ann. Rep., vol. XIV, pt. F, p. 44.

"Shell strongly biconvex, but often with a faint, shallow, narrow longitudinal groove or depression in the median line of each valve; varying in outline in different specimens from subovate or somewhat pentagonal and a little longer than wide, to not far from circular and as wide as long, but always abruptly contracted and attenuate in the umbonal region behind; front margin of the valves straight and entirely devoid of a mesial fold or sinus.

"Ventral valve with a narrow but prominent or produced umbo, a depressed, incurved and acute beak, and an extremely small delthyrium.

"Umbo and beak of the dorsal smaller and less prominent.

"Most of the specimens are little more than mere casts of the interior of the closed valves. Their surface is entirely devoid of ribs of any kind, and at first sight would seem to be marked only with concentric lines of growth. But, upon closer examination, numerous, obscure, close-set and very slightly raised concentric lines, or faint and minute, low, rounded ridges, can be detected on portions of the exfoliated test that happen to be preserved, and the shell structure, under a lens, is seen to be fibrous.

"Characters of the interior of the valves unknown, though there are indications of a median septum in each.

"Lower rapids, one specimen; middle rapid, one specimen; and portage road at falls, four specimens.

"This large and nearly smooth species is provisionally referred to the genus *Reticularia* on account of its general resemblance to *R. modesta* (Hall), and *R. perplexa* (McChesney) which is the *Spirifer lineatus* of