

Wh., from the Niagara beds of Ohio, Fig. 770. The Star-fishes, *Palæaster Niagarensis* H., *Glyptaster occidentalis* H.

5. **Mollusoids.** — (a) *Bryozoans.* — Many species of delicate Corals of the genus *Fenestella*, resembling Fig. 751; *Trematopora*, and other genera. (b) *Brachiopods.* — Fig. 771, *Leptæna rhomboidalis* Wilck.; 772, *Plectambonites transversalis* Dalman; *Strophomena depressa* Sow.; 773, *Atrypa nodostriata* H., the Niagara form of this species; 773 a, same, side view; *A. reticularis* Linn.; *A. rugosa* H.; 774, *Meristina* (*Whitfieldella*) *nitida* H.; 775, *Anastrophia interplicata* H.; 776, a, *Rhynchotrete cuneata* Dalm.; 777, a, b, *Atrypina disparilis* H.; 778, *Orthis* (*Bilobites*) *biloba* Linn., 778 a, same, enlarged; *O. elegantula* Dalm., *O. hybrida* Sow., *Nucleospira pisiformis* H.; 779, *Spirifer Niagarensis* Con., 779 a, same, side view; 780, a, *Sp. sulcatus* His.; *Pentamerus oblongus* (Fig. 752), a Clinton group species, abundant in the Niagara limestone of the Mississippi basin; *Pentamerus occidentalis* H., from the Guelph.

6. **Mollusks.** — (a) *Lamellibranchs.* — Fig. 781, *Megalomus Canadensis* H., from the Guelph, Canada; 782, *Avicula emacerata* Con.; *Orthonota curta* H.

(b) *Gastropods.* — Fig. 783, *Platystoma Niagarensis* H.; 784, *Platyceras angulatum* H.; *Murchisonia bivittata* H., *M. macrospira* H., *Subulites ventricosus* H., *Pleurotomaria solarioides* H.

(c) *Pteropods.* — *Conularia Niagarensis* H., *C. longa* H., Lockport.

(d) *Cephalopods.* — *Orthoceras annulatum* Sow., *O. rectum* Worthen, *Orthoceras* (*Kionoceras* Hyatt) *strix* Worthen; *Phragmoceras parvum* H. and Whitf., *Huronina Bigsbyi* Stokes, *H. vertebralis* Stokes, *Gomphoceras Wabashense* and *G. angustum* Newell, *Pentameroceras mirum* Barrande, *Ascoceras Newberryi* B., *Hexameroceras delphicolum* Newell, etc., *Lituities Marshi* Hall, *Trochoceras costatum* H., *T. notum* H., *T. Desplaineense* McChesney.

7. **Crustaceans.** — Fig. 785, *Dalmanites limulurus* Green; 786, *Lichas Boltoni* Bigsby; 787, *Homalonotus delphinocephalus* Green, one specimen 7 inches long and 5 broad; 788, *Illænus Ioxus* H.; *Calymene Niagarensis* H., near Fig. 690; *Ceraurus Niagarensis* H.; *Proetus Stokesi* Murch., at Lockport.

The following genera and species of fossils have been identified in the Niagara beds of Littleton, N.H.: *Favosites basalticus*, *F. Gothlandicus*, *Syringopora*, *Stromatopora*, *Halysites* near *catenulatus*, *Zaphrentis*, *Leptæna rhomboidalis*, *Stropheodonta*, *Pentamerus Knightii*, *Trematospira multistriata* H., *Pleurotomaria*, *Dalmanites limulurus* abundant.

In the Anticosti beds there are Cephalopods of the genera *Orthoceras*, *Cyrtoceras*, *Oncoceras*, *Ascoceras*, and *Glossoceras*; and Trilobites of the genera *Asaphus*, *Calymene*, *Illænus*, *Phacops*, *Dalmanites*, *Encrinurus*, *Harpes*, *Lichas*, etc., and among these *Asaphus megistos* and *Calymene Blumenbachii*.

A section of the Anticosti group, or that of Anticosti Island, on the north side of the St. Lawrence Bay, opposite Gaspé, is particularly described by Logan in the volume of the Canadian Survey for 1863 (pages 298–310), and the fossils in its successive parts are enumerated from determinations by Billings, and also, where new, described by the latter.

The following are some of the species common to the Niagara and Clinton groups:—

Halysites catenulatus (Fig. 763).
Caryocrinus ornatus (Fig. 768).
Eucalyptocrinus decorus.
Lingula lamellata.
Orthis elegantula (Fig. 723).
Leptæna rhomboidalis (Fig. 771).
Pentamerus oblongus (Fig. 752).
Rhynchonella neglecta.
Atrypa reticularis (Fig. 754).
Spirifer radiatus.

Avicula emacerata (Fig. 782).
Orthonota curta.
Modiolopsis subalata.
Ceraurus Niagarensis.
Homalonotus delphinocephalus (Fig. 787).
Calymene tuberculosa.
Calymene Niagarensis.
Dalmanites limulurus (Fig. 785).
Illænus Ioxus (Fig. 788).