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- 7. Lyrodesma pulchellum, Emmons.
- 8. Trocholites ammonius, Emmons.
- 9. Endoceras proteiforme, Hall.
- 10. Primitia Ulrichi, Jones.
- 11. Asaphus Canadensis, Chapman.
- 12. Triarthrus Canadensis, Smith.
- 13. Triarthrus Becki, Green.
- 14. Crustacean,? (cf. fragment of Echinognathus Clevelandi, W.)

Then, following northward the belt of Utica crosses the Province of Ontario and is covered by a great deal of drift or superficial deposits belonging to glacial, inter-glacial and lacustrine deposits so as to cover it almost totally, reappears in the vicinity of Nottawasaga Bay, near Collingwood and Windsor, where it can be easily recognized by its lithological characters and fossils. The list of species collected by Mr. A. S. Cochrane, of the Geological Survey of Canada, at Collingwood, in 1887, and determined by the writer comprises the following forms :--

- 1. Obscure Graptolite, probably a Diplograptus cf. D. pristis, Hisinger.
- 2. Lingula Progne, Billings.
- 3. " sp.
- 4. Orthis testudinaria, Dalman.
- 5. Leptana sericea, Sowerby.
- 6. Strophomena alternata, Conrad.
- 7. Rhynchonella increbescens ? Hall.
- 8. Lyrodesma pulchellum, Emmons.
- 9. Endoceras proteiforme, Hall.
- 10. Primitia Ulrichi, Jones.
- 11. Beyrichia sp.
- 12. Triarthrus Becki, Green.
- 13. Asaphus Canadensis, Chapman.

The absence of *Leptobolus* in this list is almost phenomenal, inasmuch as the *L. insignis* of Hall occurs in large numbers, as a rule, in rocks of precisely the same horizon in other parts of Canada.

In the northern portion of Lake Huron and the Manitoulin Islands, where the Utica again crops out after disappearing beneath the waters of Georgian Bay, or where the shales, soft, friable, and easily denuded, have been carried

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