

PLATE XV.

MONOMERELLA DURHAMENSIS (page 57).

- Figure 1. Interior of the brachial valve, drawn partly from the actual test preserved on the smaller portion of the specimen represented on Plate IX, fig. 1, and partly from a gutta percha mould of the cast of the interior of that valve.

RHINOHOLUS GALTENSIS, Billings. Sp. (page 59).

- Figure 2. Interior of the brachial valve, from a gutta percha mould of the cast of the interior of that valve, from Galt, represented upside down by figure 152, on page 168, of the first volume of the "Palaeozoic Fossils."

ILIONIA GALTENSIS (page 68).

- Figure 3. An unusually perfect and well preserved left valve of this species, drawn from a gutta percha impression of a natural mould of the exterior of that valve, from Elora.

Supposed Multispiral Opercula (page 97).

- Figure 4. Side view of one of these supposed opercula, from Elora, with the thin calcareous outer layer or sheath preserved.
 " 5. Similar view of a large specimen, from Elora, with the outer layer not preserved.
 " 5a. View of the larger end of the same.
 " 6. Longitudinal section of one of these opercula, three times the natural size, and slightly restored: *a*, the narrow, solid, multispiral, central axis; *b*, a second slender, solid and tightly enveloping calcareous coil; and *c*, the thin outer layer or sheath.

ILLENUS ABOYNENSIS (page 108).

- Figure 7. Imperfect cephalon of this species, from Aboyne, near Elora.
 " 8. Pygidium of the same.

PLEUHOTOMARIA TOWNSENDII (page 77).

- Fig. 9. Side view of the most perfect specimen known to the writer, drawn from a wax impression of a natural mould of the exterior of a specimen from Durham, the slit band from the mould itself.

