

PLATE XXV.

OBOLUS CONRADI, HALL.

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- FIG. 1. Interior of a ventral valve, made from a cast in the natural mould.
 " 2. Interior of a smaller ventral valve, obtained by the same process as fig. 1. The dotted lines show the extent of the cavities beneath the transverse plate.
 " 3. Interior of a dorsal valve, taken from a gutta-percha cast in the natural mould. The figures 2 and 3 are from the same casts as those figured on plate 13.

SPIRIFERA PLICATELLA. var. RADLATA, SOW.

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- FIG. 4. Dorsal view of a large cast, showing the cavities left by the removal of the dental lamellæ and the septum of the dorsal valve.
 " 5. Cardinal view of the same specimen as fig. 4, showing also the extent of the area.
 " 6. An oblique view of the interior of both valves, showing the septa and dental lamellæ.

PENTAMERUS (PENTAMERELLA) VENTRICOSUS, HALL.

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- FIGS. 7, 8. Dorsal and front views of an individual, showing the plications more distinctly than usual.

PLEUROTOMARIA OCCIDENS, HALL.

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- FIG. 9. Lateral view of a very fine specimen, showing the external characters of the species.
 " 10. View of the aperture. This specimen is from the Niagara limestone of Lyons, Iowa, received from Dr. Farnsworth.

PLEUROTOMARIA (TROCHONEMA) HOYI, HALL.

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- FIGS. 11, 12. Lateral and basal views of a specimen of this species, showing the surface striæ and the wide umbilicus.

TROCHONEMA (CYCLONEMA?) PAUPER, HALL.

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- FIG. 13. Lateral view of a specimen in the collection of the Michigan University, at Ann Arbor, received under the name of *Pleurotomaria Halei*.

CYRTOCERAS BREVICORNE, HALL.

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- FIG. 14. Lateral view of a specimen, showing the septa.

TROCHOCERAS COSTATUM, HALL.

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- FIG. 15. Lateral view of the upper surface, from a gutta-percha cast in the natural mould.

