ART. II.—THE NAUTILUS OF THE BROOKFIELD LIMESTONE.—
NAUTILUS BROOKFIELDI, N. sp.—REV. DR. HONEYMAN, D. C. L.

(Read January 10, 1887.)

Our attention has been particularly directed to this subject
by the presentation to the Museum of a fine specimen of this
fossiliferous limestone, by J. J. FALCONER, of the Acadia Iron
Works. Large quantities of this limestone from the Brookfield
quarries, Colchester County, are used at these works in the
reduction of the iron ores. Our specimen was happily rescued
from the furnace.

It measures 6 x 5 inches; its greatest thickness is four
inches. It shows the distinct remains of a dozen nautili. The
habitation chambers of six individuals are seen upon one side.
These are of medium size. Others that we have collected from
the same limestones are larger. Those of our specimen measure
2.2 inches along the outer curves. Another of the same size,
which is separate and has parts of upper chambers attached, has
a girth of 3 and 3.3. The form of the empty chambers is
sub-elliptical; the siphuncle is central. This species is very
distinct from the Nautilus avonensis, Dawson. Of this we have
two larger body chambers from the Avon limestones, Windsor.
The siphuncle has its characteristic position, dorsal. A still
more beautiful specimen of the chamber of habitation of this
species is from the Brookfield limestones. It is a cast full of
the shells of brachiopoda. Its siphuncle is dorsal. It has two
lateral ridges; the middle is slightly convex. Our new species
wants these ridges and the middle is concave. We name
the species, Nautilus brookfieldi. The limestones are of Lower
Carboniferous age.