

that the coal-beds of Melville Island are very low down in the series, and do not correspond in geological position with the coal-beds of Europe, which rest on the summit of the carboniferous beds. It is interesting to find at Princess Royal Island, where, from the general strike of the beds, we should expect to find the Silurian limestone underlying the coal-bearing sandstones, that this limestone does occur, and contains a fossil, *T. aspera*, eminently characteristic of the Eifelian beds of Germany, which form, in that country, the Upper Silurian Strata.

No. V. CAPE HAMILTON, Baring Island (Lat.  $74^{\circ} 15' N.$  · Long.  $117^{\circ} 30' W.$ ).

1. Greyish-yellow sandstone, like that found *in situ* in Byam Martin's Island.
2. *Coal*.—The coal found in the Arctic regions, excepting that brought from Disco Island, West Greenland, which is of tertiary origin, presents everywhere the same characters, which are somewhat remarkable. It is of a brownish color and lignaceous texture, in fine layers of brown coal and jet-black glossy coal interstratified in delicate bands not thicker than paper. It has a woody ring under the hammer, recalling the peculiar clink of some of the valuable gas coals of Scotland. It burns with a dense smoke and brilliant flame, and would make an excellent gas coal; and, in fact, it resembles in many respects some varieties of the coal which has acquired such celebrity in the Scotch and Prussian law-courts, under the title of the Torbane Hill mineral.

No. VI. CAPE DUNDAS, Melville Island (Lat.  $74^{\circ} 30' N.$ ; Long.  $112^{\circ} 46' W.$ ).

Fine specimens of coal.

No. VII. CAPE SIR JAMES ROSS, Melville Island (Lat.  $74^{\circ} 45' N.$ ; Long.  $114^{\circ} 30' W.$ ).

Sandstone passing into blue quartzite.

No. VIII. CAPE PROVIDENCE, Melville Island (Lat.  $74^{\circ} 20' N.$ ; Long.  $112^{\circ} 30' W.$ ).

A specimen of erinoidal limestone, apparently similar to that occurring in Griffith's Island, from which, however, it could not have been brought by the present drift of the floating ice, as the set of