

The casts and remains of plants appear in considerable numbers in the sandstones of the Richibucto. About a mile and a half above the town of Liverpool, on the west side of the river, and on the Indian grant, they are common. These fossils have been mistaken by the inhabitants for petrified pine and maple, and other kinds of recent wood; but they are all the productions of a much warmer climate than any in North America at the present period, and unlike any of the plants growing in New-Brunswick. The strata frequently contain globular masses of sandstone and ironstone as large as cannon balls; these are sometimes liberated from the rock by the action of the water and frost. They consist of successive layers formed around a central nucleus, and were probably produced by the rolling along of hardened masses over the sand and mud, of which the strata were originally formed.

### BOG IRON ORE.

My attention was directed, by the Hon. John W. Weldon, to a deposit of bog iron ore, situated about half a mile westward of the town of Liverpool. The bog has been partially opened in making a new road, and a small quantity of the ore has been exposed. This variety of iron ore exists in many of the low swampy grounds in this part of the Province, and might be employed in the manufacture of cast iron; its quantity is constantly increasing from being transported from the soil by water flowing over the surface.

It has been already stated that an extensive bar of sand has been thrown up along this coast. At the mouth of the Richibucto, there is a bar across the river, about five miles in length. It has been cut through, by the current, at its main channel, and also by a small passage on the eastern side of the harbour. This bar will average fifty rods in width, and its central portion is attached to a beautiful island covered with red pine. The sand is first thrown up to high water mark by the waves, it is then blown into mounds by the wind, and frequently resembles the out-works of fortifications.

### KOUCHIBOUGUASIS.

This is a small river between the Richibucto and Kouchibouguac, which, contrary to the meaning of the Indian