

erection and repairs of dykes and abideaux during the last fifty years, that the tides rise much higher, both at the head of the Bay of Fundy and on the Straits of Northumberland, than they formerly did. The trunks of spruce and pine trees may be seen projecting over slopes of the banks of the rivers and shores of the head waters of the Bay of Fundy; and many feet below high water mark; and in the bottoms of deep ditches, dug on the marshes, various kinds of wood are frequently found, overlaid with a deposit of marine mud.

Though previous to the erection of dykes and abideaux the tidal waters of this Bay have swept over large tracts of country, still there were parts of these flat lands over which the tides did not flow, as is evident from the fact,—that within the last ten years Canals have been dug by which the tidal waters are conveyed to the most remote parts of the marshes; and even many of the Lakes situate at the heads of these marshes have been drained and their beds filled with the mud which is held in solution by the waters of the Bay of Fundy; and the whole converted into valuable hay-bearing lands.

The stopping of the tides by Dykes, etc., from flowing eighty square miles of country, may, by confining the waters of the Bay within narrower bounds, cause them to rise higher than they otherwise would do, which may be the cause to a limited extent, of the tidal waters penetrating beyond where they have formerly been. Still, this will not account for the general change

of height, which must have taken place, and may still be taking place, in either the water or the land, or both.

The same curious and somewhat interesting phenomena, is also visible on the Straits of Northumberland.— We have found several specimens of marine shells, sea-washed stones and sand, such as are found along the shores of the Straits, at a distance of two miles inland, and at a height of at least, thirty feet above the present high water marsh of the Straits; indicating that a change of level must have taken place in the height of land with reference to the sea.

At New London, Prince Edward Island, a part of an animal, of the carnivorous class, was found upwards of twenty feet below the present surface of the ground. These things show that the surface of our earth has undergone wonderful changes; and probably is still undergoing changes of an important nature, though imperceptible, in a great measure, to us.

A Lay Sermon for the Young.

Although not commissioned to enter the *sanctum sanctorum*, and there unfold the oracles of Divine truth, still we are half inclined to believe that a short sermon might not prove altogether unprofitable to our youthful readers.

We take the following motto :

“ My son, if thou wilt receive my words, and hide my commandments with thee ;

“ So that thou incline thine ear unto wisdom, and apply thine heart to understanding ;

“ If thou seekest her as silver, and searchest for her as for hid treasures ;