

its way in under current along the shore, where it finds least obstruction from the opposing wind. Even the partial wind blowing in or out of the bay, carrying the surface water to leeward; sinking or overfilling the bay, that water is constantly returning in under current by the channel of the harbour to restore the equilibrium.—Blow along a narrow channel connecting two vessels filled with water, you will keep up a constant stream on the surface into one, and yet you will scarcely alter the level of either, as the water will return in under current, almost in the same ratio as it is driven by the surface from one vessel into the other.

The indication of this current, or oscillation of the waters in the channel, is the sudden breaking off, rounding, and steep declivity of the shoal or spit extending from the island to the buoy, where its progress is arrested by the passage of the waters, and where it falls from 4 to 13 feet, immediately soon deepening to 14½, and here totally ends the island sand; and mud, the alluvial deposit of the harbour, begins.

Thus far the formations of the port; but nature in parceling out this beautiful sheet of water from the lake, enclosed within its bosom the seed of its decay.

The Don, like its relatives in consequence, the Humber, the Highland Creek, the Rouge, the Credit; whilst it dribbled its puny waters into the great lake, was, in importance, as the fly upon the horn of the bull:—but once embayed by the formation of the peninsula (like many a worthless fellow who owes his consequence to fortuitous circumstances) from total insignificance, it became the grand agent of destruction to one of the finest harbours on the lake.

The peninsula (from a vast shoal) has risen out of the lake at the western extremity, from a depth of 25 to 30 fathoms, and the bay has carried within it at least 15 fathoms at its deepest part.

But from the moment that the peninsula raised its protecting head above the waters, and screened the Don from the surges of the lake; the Don, like a monster of ingratitude, has displayed such destructive industry as to displace by its alluvial disgorings by far the greater part of the body of water originally enclosed by the peninsula. The whole of the marsh to the east, once deep and clear water, is the work of the Don,