

and its mean intensity during the cold term was about 5° degrees of intensity in term of Voltas' Electrometer, No. 1.

The indications of the *Psychrometer* at these low temperatures, appears somewhat remarkable and perhaps defective, the *Ice coated Bulb*, indicated at the lowest temperature a little more than a degree higher than the *dry bulb*, and this continued so with a *decreasing temperature*, but as the temperature gradually rose the *ice coated bulb* indicated as usual a lower temperature than the *dry bulb*,—which would lead to the supposition that at these extreme cold points, the ice formed rather a sheath or covering over the bulb and prevented the uniform and gradual contractions for decrease of temperature consequent on evaporation in the mercurial column, corresponding to the *dry bulb*, and it was also observed that the *ice coated bulb* was not so easily affected by slight increase of temperature as generally takes place at more moderate indications.

I have not seen the fact noticed, and would call the attention of observers to this point, but these remarks are only applicable to the extreme cold temperatures above noticed, and of which we have had hitherto so few examples.

St. Martin, Isle Jésus, C. E.,

March 1, 1859.

ARTICLE VI.—*Report on the Fisheries of the Gulf of Saint Lawrence.* By H. M. PERLEY, Esq., Her Majesty's Emigration Officer at Saint John, N.B.

(Continued from our last.)

THE MACKEREL.

The common Mackerel (*Scomber scombrus*) abounds in the Gulf of St Lawrence, and is one of the chief objects of pursuit with the numerous fleets of American fishing vessels, which are to be found yearly in every part of the Gulf. The Americans begin fishing for Mackerel, in the Gulf, on the first of July, and finish at the end of September; but the resident fisherman might begin this fishing earlier, and continue it until the very close of the season.

Mr. MacGregor describes the Mackerel of the Gulf as being of much finer flavour than those caught on the shores of Europe.

It has been generally supposed that the Mackerel was a fish of passage, performing certain periodical migrations—making long