

vey of Newfoundland, is by no means to be considered as a conclusive proof of the non-existence of the precious metal, which is as frequently, if not more frequently, invisible to the eye even in some of the most remunerative veins.

In 1868 I blocked out the groups of strata which make up the Huronian or Intermediate system and which are so largely distributed over the Peninsula of Avalon, (see Geological Survey of Newfoundland, p. 145.) These groups Mr. Howley has followed out in considerable detail, and has proved the succession and superposition, as given originally, to be on the whole tolerably correct, although some discrepancies may be found eventually with regard to thicknesses. Since his return to St. John's, Mr. Howley has plotted all his field work upon a large scale, from which he has constructed a Map on a reduced scale—4 miles to 1 inch—which is colored to represent the Geographical distributions of the groups as they occur in nature, while he has drawn a section across that portion of the measures which includes the Gold bearing quartz veins, on a scale of 4 inches to 1 mile. As these and such like draughts are infinitely more intelligible than any quantity of description, I should strongly recommend they may be lithographed for publication for the information of future explorers or those who take an interest in the Geology of the Island.

I am indebted to Staff Commander Maxwell, R. N., of the Admiralty Coast Survey, for tracings of some of his recent Surveys, particularly that of the Bay of Islands on the Western Shore, and of Hall's Bay in Notre Dame Bay, and take this opportunity of tendering him sincere thanks for the same. The former of these has been reduced to our own general scale of 1 mile to 1 inch, and the latter is in hand. It is satisfactory to find that on comparison, certain points determined by myself in 1866 precisely correspond in position with the same points as fixed by Captain Maxwell in 1881; which circumstance will give confidence in the general accuracy of the Surveys of the interior, which were in great measure dependent upon those points, from whence they were started. Capt. Maxwell's Surveys of Notre Dame Bay, appear also to confirm the accuracy of Mr. Howley's Surveys of the same region made previously, although in minute detail some slight disparities may be recognized.

I am at present engaged in preparing a paper upon the effects