

at several spots and a number of birds were procured; a very large number of Fur Seals *Arctocephalus* were seen and six were shot, the skins and skeletons of which were preserved.

In Port Grappler a derelict German steamer was found in possession of four Englishmen, part of the crew of a Chilian steamer. It appears that the German vessel was bound from Valparaiso to Hamburg, and that in passing through Indian Reach she struck on the Vaudreuil Rock and knocked a hole in her bottom, so her Captain took her into Port Grappler and abandoned her, taking passage to Sandy Point in a passing vessel. The derelict vessel's name was the "Karnach," and being laden with silver ore, copper, hides, and sugar, doubtless proved a valuable prize for the salvors.

In passing Eden Harbour the kelp patch reported by H.M.S. "Zealous" was carefully looked for, but nothing was seen of it. Several patches of detached kelp were, however, passed; had there been a rock off Eden Harbour marked by kelp, it could hardly have escaped the notice of the surveyors in the "Nassau."

On the 5th January, at 4.30 A.M., the ship left Port Grappler for Tom Bay, at 6.25 A.M. rounded Bold Point, and at 7.30 A.M. Hamilton Shoulder. At this time a fresh breeze sprang up from the southward, making it necessary to use the third boiler. At 2 P.M. the vessel stopped off the northeast end of Madré Island, and a sounding was taken in 175 fathoms, with the right extremity of Clauricarde Point S. 58° E., the right extremity of Topar Island N. 19° E., and the left extremity N. 26° W. Afterwards the trawl was put over, and a boat sent in shore to look for an anchorage close to the Trinidad Channel, but although there was a good inlet, the water was too deep for anchoring, so that at 4 P.M. the ship proceeded for Tom Bay, in order to lay there whilst repairing a steam-pipe which had become damaged, and anchored at 5.45 P.M. in 17 fathoms, with Centre Island S. 60° W., East David Island S. 45° E., and Robert Point N. 61° E. There was a fresh southerly wind all day, with passing rain squalls, between which the weather was bright and pleasant.

On the 6th January, at 4 A.M., the survey of Tom Bay was commenced, and the weather being fine, equal altitudes, circummeridian altitudes, and a true bearing were obtained, and several trigonometrical stations taken up, the boats sounding the outer part of the bay. Towards evening the sky became overcast and gloomy, and shortly after midnight the wind freshened and blew in squalls from the northward, so the cable was veered to five shackles, when finding the stern close to a rock awash between Centre and One Tree Islands, steam was got up in three boilers. At 8 A.M. on the 7th, the wind still continuing from the northward with dirty squally weather, the vessel was shifted to the northeast side of the bay, and brought up in 28 fathoms, with 90 fathoms of cable. In the afternoon the wind shifted to the northwestward and the squalls became lighter, but the weather was so thick and rainy all day that the survey could not be proceeded with.

On the 8th January, at 4 A.M., the breeze having moderated and the weather become