

same as that at Marion Island, but nesting amongst these is another kind of penguin, *Eudyptes chrysolophus*, the Macaroni of sealers.

This bird has a most beautiful golden crest, showing conspicuously on the middle of the upper part of the head, commencing just behind the beak, and with a plume on each side as in the bi-crested species. The bird is larger than the "Rock-hoppers," and is further distinguished from them by the presence of a naked, somewhat tumid space, at the base of the beak, which is of a light pink colour. In other colouring the bird resembles the Rock-hoppers. This penguin occurs at the Falkland Islands, where it nests as at Kerguelen's Land, in small quantities amongst the Rock-hoppers.*

The birds, however, only thus nest amongst the other penguins where they are few in number : towards the head of the harbour, and under the natural arch, they have enormous rookeries of their own, where, singularly enough, a few of the Rock-hoppers nest as guests among them ; they have large rookeries also in Heard Island, where their eggs are gathered in large quantities by the sealers for eating. The sheath-bills are as abundant here as at Marion Island, but they are larger and heavier than are the birds of that island, and seem to form a sub-species. They will be again referred to.

During our stay at Kerguelen's Land, we put into several harbours on the coast. At Aldrich Sound I found a cave in the sea-cliff fronting Ship's Channel and under Mount Bromley. It had been formed by the excavation by the waves of the volcanic rock, which had been altered, and rendered more yielding at this spot by the intrusion of a dyke which had destroyed the tenacity of the rock by its heat. The dyke, which was a narrow one, and almost vertical in direction, was inclined a little, at one part of its course, so as to form the roof of the cave on one side.

The cave was long and tunnel-like. The "Rock-hopper" penguins breed in it. I went into it about forty yards until it was quite dark ; the penguins retreated still before me. I had no means of getting a light to explore further. The small penguin of New Zealand (*Spheniscus minor*) has been observed breeding in like manner in the inner chamber of a dark cave,† and this mode of nesting is in keeping with the usual habit of this species and others of breeding in deep burrows, which are of course quite dark.

About Betsy Cove and Royal Sound, to the southward the valleys are broader, and there is more open flat land than there

* "Proc. Zool. Soc., 1865," p. 527.

† "Trans. N. Zealand Inst.," Vol. II., 1868, p. 75.