

PART I.
DESCRIPTION OF GENERA AND SPECIES.

Macrorhinus, F. Cuvier.

Macrorhine, F. Cuvier, Mém. du Muséum, xi. p. 200, 1824.

In the Narrative of the Voyage of the Challenger it is stated that the Elephant Seal was seen on Marion Island, in the South Atlantic: on Kerguelen Island and on Heard Island;¹ whilst reference is made to the observations by previous voyagers of the occurrence of this Seal on the Crozet Islands, Tristan da Cunha, Inaccessible Island, and Juan Fernandez, which places were also visited by the Challenger. Specimens were secured and sent home both from Kerguelen Island and Heard Island. They were males and females of the great Elephant Seal of the Southern Ocean, and are all I believe to be referred to one species, *Macrorhinus leoninus*.

Macrorhinus leoninus (Linnæus) (Pls. I., II., III., IV.).

Phoca leonina, Linnæus, Syst. Nat., ed. 12, i. p. 55, 1766.

Elephant Seal.

The specimens of this Seal consisted of (*a*) the carcass of a well-grown female, (*b*) the skin of another female containing bones of the limbs, (*c*) the complete skeleton of another female, and (*d*) the skull of a young female from which the brain had been removed, all killed at Christmas Harbour, Kerguelen, January 7, 1874; also (*e*) the skeleton of a well-grown male, (*f*) the skull and some of the cervical vertebræ of a large female shot at Betsy Cove, Kerguelen, January 9, 1874, together with (*g*) a young skull, apparently of a female, picked up on the same beach; also (*h*) the skull of a large male picked up by Professor Moseley on the shore of Heard Island, February 6, 1874.

EXTERNAL CHARACTERS.—I have been able to examine the external characters of the Sea Elephant in the carcass of the well-grown female (*a*) and the skin of another female (*b*), both killed on Kerguelen Island and preserved in salt. The carcass with the skin on had been cut into halves immediately behind the pectoral limbs, and the abdominal viscera had been removed, so as to allow it to be packed in a barrel. It is from this specimen that the drawings in Pl. I. have been made. When the halves were placed in contact in

¹ Narr. Chall. Exp., vol. i. pp. 294, 354, 373, 377.