

## EXPLANATION OF THE PLATES.

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The drawings in these plates are all from nature. Those of the bones and of the form of the teeth have been executed by Mr J. Dunlop Dunlop, whilst the microscopic sections in illustration of the structure of the teeth have been made by Alfred H. Young, M.B.

- Fig. 1. A profile view of the skull of the immature *Mesoplodon layardi* from the Falkland Islands. (Specimen *C*.) Reduced one-fourth.
2. A front view of the same skull. Reduced one-fourth.
  3. Profile view of the series of cervical vertebræ of the same animal. Reduced one-third.
  4. Front view of the sternum of the same animal. Reduced one-fifth.
  5. Petrous bone of an adult *Mesoplodon layardi* from the Cape of Good Hope. (Specimen *A*.) Natural size.
  6. Transverse section through the beak of an adult *Mesoplodon layardi* from the Cape of Good Hope. (Specimen *B*.) Reduced one-half.
  7. Inferior surface of the right tympano-periotic bone of the immature *Mesoplodon layardi* from the Falkland Islands. Natural size.
  8. Inferior surface of the right tympanic bone of a *Mesoplodon*, probably *Mesoplodon layardi*, dredged at Station 286. Page 37. Natural size.
  9. Inferior surface of the right tympanic bone of the *Ziphius cavirostris* from Shetland. Natural size.
  10. Inferior surface of the right tympanic bone of a *Ziphius*, resembling *Ziphius cavirostris*, dredged at Station 131. Page 39. Natural size.
  11. Outer surface of tympanic bone of a *Balænoptera*, dredged at Station 286. Page 35. Natural size.
  12. Inferior surface of tympanic bone of a cetacean, dredged at Station 286. Page 36. Natural size.
  13. Inferior surface of left tympanic bone of a *Kogia*, dredged at Station 286. Page 37. Natural size.
  14. Inferior surface of a right tympanic bone, dredged at Station 286. Page 37. Natural size.
  15. Tooth of young *Mesoplodon layardi*. Natural size.