

ulnar metacarpal bone. It passes obliquely downwards and inwards, to be *inserted* into the base of the ulnar phalanx.

Action.—It flexes (adducts) the ulnar phalanx upon the corresponding metacarpal bone.

Relations.—The outer side of the muscle rests against the flexor brevis metacarpi. The dorsal interosseous muscle lies parallel to its radial border.

Nerve supply (?)

6. *Abductor digiti secundi*.

Der Strecker des ersten Fingergliedes, Wiedemann, p. 94.

Strecker des ersten Gliedes des zweiten Fingers, Tiedemann, p. 322, No. 4.

Strecker des ersten Gliedes des zweiten Fingers, Heusinger, p. 193, No. 34.

L'adducteur du deuxième doigt, Meckel, vol. vi. p. 77, No. 8.

Der Anzieher des Zeigefingers, Schoepss, p. 170, No. 45.

Vierter interosseus, Selenka, vol. vi. p. 137, No. 70.

L'abducteur du deuxième doigt, Gervais and Alix, p. 29.

Attachments.—This muscle is represented by a tendon which *arises* from the upper half of a slight groove, situated on the inner surface and close to the anterior margin of the radial metacarpal bone. It passes downwards, and is *inserted* into the inner side of the base of the first radial phalanx.

Relations.—It lies in the groove of the radial metacarpal bone, from which it arises.

Variations.—In *Aptenodytes longirostris*, *Pygosceles tæniatus*, as well as in an example of *Eudytes chrysocome* from Tristan d'Acunha, this tendon was provided with a distinct but weak muscular belly. In *Pygosceles* this muscle is traceable as far as the base of the second radial phalanx. In all the other species examined the muscle was entirely replaced by tendon.

Remarks.—According to Schoepss and Meckel, this muscle is entirely wanting in the Penguin. In *Eudytes chrysocome*, Gervais and Alix, like myself, found it represented by tendon.

7. *Interosseus dorsalis*.

L'interosseux antérieur, Vicq d'Azyr, 1773, p. 577, No. 5.

Der äussere Mittelhandmuskel, Tiedemann, p. 325, No. 10.

Der äussere Mittelhandmuskel, Heusinger, p. 197, No. 39.

L'extenseur et abducteur interne du deuxième doigt, Meckel, vol. vi. p. 77, No. 6.

Abzieher des Zeigefingers, Schoepss, p. 172, No. 46.

Interosseus, Selenka, vol. vi. p. 137, No. 69.

Interosseux dorsal, Gervais and Alix, p. 30.

Attachments.—The dorsal interosseous muscle is slender. It *arises* from the whole length of the contiguous borders of the radial and ulnar metacarpal bones. The muscular fibres end on a delicate tendon, which, after passing between the first radial and ulnar phalanges, is *inserted* into the base of the last radial phalanx.