

*Attachments.*—The peroneus brevis is a very slender muscle. It arises from the upper two-thirds of the anterior surface of the shaft of the fibula, from a corresponding extent of the adjacent border of the tibia, and from the interosseous membrane. Its tendon passes obliquely downwards and backwards, and after crossing the outer side of the ankle joint, is inserted into the posterior surface of the upper end of the fourth or external metatarsal bone.

*Action.*—This muscle flexes the ankle joint.

*Relations.*—The origin of the peroneus brevis lies in contact with, and separates the fibular origin of the peroneus longus from the tibialis anticus. As its tendon crosses the ankle joint it is concealed by that of the peroneus longus.

*Nerve supply.*—A branch from the anterior tibial nerve.

*Remarks.*—Meckel rightly observes that this muscle is extremely feeble in the Penguins as compared with other birds.

#### 4. *Plantaris.*

*La grêle plantaire*, Vicq d'Azyr, 1774, p. 512, No. 2.

*Muscle No. 4*, Meckel, vol. vi. p. 106.

Described by Reid, pp. 144 and 145.

*Soleus*, Owen, p. 38.

*Jambier postérieur*, Gervais and Alix, p. 35.

*Attachments.*—The plantaris is a slender muscle. It arises from about one inch in length of the postero-internal border of the tibia, immediately below the upper end of that bone. The muscular fibres opposite the junction of the upper and middle thirds of the tibia give place to a tendon which is inserted into the upper border of the fibro-cartilage behind the ankle joint.

*Action.*—Inasmuch as the fibro-cartilage into which this muscle is inserted is attached by its lower border to the upper ends of the metatarsal bones, the plantaris will extend the foot at the ankle joint.

*Relations.*—The belly of the muscle lies immediately behind the internal lateral ligament of the knee joint, and rests against the inner border of the tibial head of the flexor perforans digitorum. Close to its insertion its tendon is crossed superficially by the tendon of insertion common to the inner and anterior heads of the gastrocnemius.

*Nerve supply.*—A branch of the sciatic nerve.

#### (d) MUSCLES INSERTED INTO THE PHALANGES.

##### 1. *Musculus ambiens.*

*Crural grêle*, Vicq d'Azyr, 1774, p. 507, No. 1.

*Der schlanke Schenkelmuskel*, Wiedemann, p. 97.

*Der schlanke Schenkel-Muskel*, Tiedemann, p. 332, No. 3.