

Head evenly rounded from occiput to mouth; maxillæ large, curved, projecting downward and backward; abdomen of pregnant female worm-like, sutures distinct. . . . . *Rhynchopsylla*.

Genus *Sarcopsylla*, Westwood.

1836-40. Westwood, Trans. Ent. Soc. London, II., p. 199.

Table of Species.

Hind angles of metathoracic scales rounded; eyes and antennæ in anterior half of head, which is acutely angled in front above; first four tarsal joints in foreleg longer than broad; length (free female, and male), 1 mm.; parasitic on mammals. . . . . *penetrans*.

Hind angles of metathoracic scales angulated; eyes and antennæ in posterior half of head, which is obtusely angled in front above; first four tarsal joints in forelegs nearly as broad as long; length, 1-1.5 mm.; parasitic on gallinaceous birds. . . . . *gallinacea*.

*Sarcopsylla penetrans*, L.

1767. Linne, Syst. Nat. Ed., XII., p. 1021. (*Pulex penetrans*.)

This flea is undoubtedly found throughout the tropical and sub-tropical regions of both hemispheres. It has been found on a great variety of mammalian animals, including man. It is commonly known in this country and South America as "jigger flea," "chigoe," or "chique."

*Sarcopsylla gallinacea*, Westwood.

1874-5. Westwood, Ent. Mo. Mag., XI., p. 246.

This species will probably eventually be found to occur throughout the range of *S. penetrans*. I have received specimens taken on chickens (through Mr. L. O. Howard) from the Department collection, as follows:—From Florida, Apr. 27, No. 6220, A. S. Packard; from Floresville, Texas, No. 3648; from Hockley, Texas, Jan. 30, 1894, No. 3648; from Meridian, Miss., No. 4053.

The genital organs in the male of this species differ quite widely from those of the male of *S. penetrans*.

*Sarcopsylla grossiventris*, Weyenberg.

1879 Weyenberg, Boletín de la Acad. Nat. de Ciencias d. 1.

Repub. Argent., III., p. 188. (*Pulex grossiventris*.)

This is a *Sarcopsylla* and a good species, but was insufficiently described. The very large size (length of male, 2.5-3.25 mm.; of pregnant