

- 1 (6). Abdomen black.
- 2 (3). Tarsi white *cressoni*.
- 3 (2). Tarsi black.
- 4 (5). Mesopleuræ red *chiriquensis*.
- 5 (4). Mesopleuræ black *violaceipennis*.
- 6 (1). Abdomen reddish.
- 7 (8). Thorax more or less black *albispina*.
- 8 (7). Thorax entirely reddish.
- 9 (10). Head and hind tibiæ black *tibialis*.
- 10 (9). Head and hind tibiæ red *ferrugineus*.

1. **Agathis cressoni.** (Tab. XVI. fig. 9, ♀.)

Agathis albitarsis, Cresson, Proc. Acad. Phil. iv. p. 63 (1865)¹ (nec Brullé, 1840).

Hab. MEXICO, Valladolid in Yucatan (*Gaumer*); NICARAGUA, Chontales (*Janson*); PANAMA (*Boucard*).—ANTILLES, Cuba¹.

A specimen from Chontales has the anterior femora red.

2. **Agathis violaceipennis.** (Tab. XVI. fig. 8, ♀.)

Niger, nitidus, metathorace rufo; alis violaceis. ♀.

Long. 12 millim.; terebra 4 millim.

Hab. PANAMA, Volcan de Chiriqui 2500 to 4000 feet (*Champion*).

Antennæ stout, tapering towards the apex, shorter than the thorax and abdomen united; covered with a close microscopic pile, the basal joints of the scape with long hair. Head not very shining, densely covered with fuscous hair; front deeply excavated, the excavation with a stout margin; two keels running down from the ocelli, uniting at the apex. Thorax with the middle lobe raised, a shallow, not very distinct, depression, bordered by an obscure keel, in the centre of the lobe; a row of short, stout keels running down the hinder edge of the pronotum; a stronger and broader keel on the mesopleuræ near the metapleuræ; some indistinct keels in the front of the mesopleuræ, this part having a longish fringe of white hair; the sternum covered with pale hair; a deep and wide depression, divided in two by a stout keel, in front of the scutellum. Metathorax long, its apex abrupt; stoutly transversely keeled. Metanotum with two keels in the centre, the keels uniting at the base but diverging towards the apex; a waved keel running from each side of the base and uniting with the central keels at the apex; a keel immediately external to these, and, much nearer the edge, yet another keel, the latter ending in a stout, leaf-like projection; the lower part of the metapleuræ coarsely reticulated. Abdomen shorter than the thorax, shining; the base of the petiole depressed, the sides channelled; sheaths of the ovipositor black, hairy. Legs pilose, the femora, coxæ, and trochanters bearing long white hair; strongly punctured. Wings deeply violaceous; an irregular hyaline spot in the first cubital cellule.