



View

Plan of the Roadway

Engraved on Stone by T. Dighton

TRANSACTIONS

L 14,554

OF

THE PLYMOUTH INSTITUTION.



PLYMOUTH,

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ON THREE NEW GENERA OF THE MALACOSTRACEOUS CRUSTACEA, BELONGING TO THE FAMILY SQUILLADÆ, BY WILLIAM ELFORD LEACH, M. D. F. R. S. &c. HONORARY MEMBER OF THE PLYMOUTH INSTITUTION.

Opithiocheirus.*

Antennæ duæ elongatæ, quatuor-articulatæ; articulo ultimo acuminato multiarticulato tertio, externe filamentis duabus æqualibus acuminatis multarticulatis instructo.

Pedum paria tria antica simplicia æqualia ambulatoria, par quintum laius compressum, manu uni-dactylo interne denticulata, instructum.

Antennæ two, elongated, four-jointed; the last joint acuminated many-jointed; the third joint externally furnished with two equal acuminated many jointed filaments.

Feet, the three anterior pair simply formed for walking, the fifth pair broader compressed, furnished with a mono-dactyle hand internally denticulated.

Opithiocheirus Chrysophthalmus.

O. Thorace antennis, pedibus et oculorum pedunculo, croceo testaceo marmoratis; oculis aureis, pupillo nigrescente; abdomine segmentis posticæ, et manus aspectu interno, aureis.

* *οπιθιος*, posticus, et *χειρ*, manus.

Longitudo 0042 millemetrorum.

Habitat in mari Atlantico prope fluvii Congoensis os.

O. With the thorax, antennæ and peduncle of the eyes marbled with saffron and testaceous (clay colour;) the eyes golden, with a black pupil; the same segments of the abdomen behind, and the internal aspect of the hand golden.

Length 17-12 of an inch.

Inhabits the Atlantic ocean near the river Congo.

Usterocheirus.*

Antennæ quatuor internæ bifidæ; setæ acuminatæ multiarticulatæ; externæ longiores acuminatæ multiarticulatæ.

Pedum paria quatuor, anteriores æquales, acuminata, pedipalporum exteriores (qui etiam sunt acuminati) multo longiora, par quintum latius compressum manu uni-dactylo inermi instructum.

Antennæ four, the internal ones bifid; the setæ acuminated many-jointed; external ones longer, acuminated, multiarticulated.

Feet; the four anterior pair equal acuminated, much longer than the exterior pedipalpi (which are also acuminated) the fifth pair broad compressed, furnished with a mono-dactyle unarmed simple hand.

Usterocheirus Macropocoilium.†

U. Thorace, antennis, oculis, pedipalpis, pedibus abdomine-

* *υστερος* posterior, et *χειρ*, manus.

† *μακρος*, longus, et *ποκιλιον*, abdomen.

que testaceo croceo-testaceo sordido variegatis; oculorum pupillæ nigrescentes; abdomine elongato angusto coarctato, segmentis postice, atris.

Longitudo 0055 millemetrorum.

Habitat in mari Atlantico; fuceo natanti adhærens.

U. With the thorax, antennæ, eyes, pedipalpi, feet and abdomen testaceous variegated with dusky saffron testaceous, jet black; the pupil of the eyes blackish; the abdomen elongated narrow contracted; the segments behind black.

Length 2 inches.

Inhabits the Atlantic, adhering to fucus natans.

2. *Usterocheirus Brachypocillon.*

U. Thorace, antennisque brunneis; pedibus abdomineque pallidioribus; abdomine brevissimo latissimo.

Longitudo 0029 millemetrorum.

Habitat cum præcedente.

U. With the thorax and antennæ brown; the feet and abdomen paler; the abdomen very short and very broad.

Length 13-12 of an inch.

Found with the preceding.

Zuphanusa.

Antennæ quatuor, elongatæ trifidæ, multi articulatæ; apice externe ciliatæ; filamentum inferius, superiore longiore

interne ciliatum, exteriores basi filiformi; lamella ovata compressa ciliata, terminati; filamentula ad basin externe instructa.

Pedum paria duo antica mono-dactylo anteriore minore angustiose: paria tria postica, æquales anguibus arcuatis instructa.

Antennæ four elongated, trifid, many-jointed, with the apex externally ciliated; external ones with a filiform base terminated with an ovate compressed ciliated lamella, furnished at its base externally with a very minute filament.

Zuphanusa Smithiana.

Z. Thorace antennis, oculorum pedunculo, pedibus abdomineque hyalino, ocraceo florescentibus.

Longitudo 0054 millemetrorum.

Habitat in mari Atlantico, fuceo natanti adhærens.

Z. With the thorax, antennæ peduncles of the eyes, feet and abdomen and hyaline, ochre yellowish.

Length 2 inches.

Inhabits the Atlantic ocean adhering to fucus natans.