

*Cystisoma spinosum* (Fabricius). Specimens C, CC.

Specimen C.—*Length*, one inch and eight-tenths; antennæ seven-tenths of an inch, a little longer than those of the very much larger specimen A, and placed much nearer to one another than in that specimen; third peræopods just under an inch and a half, the first joint half an inch, the following two together nine-thirtieths, the fourth and fifth each ten-thirtieths of an inch; the fourth peræopods just under an inch in length, the fourth and fifth joints equal; no trace could be perceived of the small branchial vesicles related to the second gnathopods and first peræopods; the uropods similar in their proportions to those of the specimen from Station 224.

Specimen CC.—*Length*, one inch and eight-tenths; the antennæ not especially near together as in the companion specimen; the small branchial vesicles related respectively to the second gnathopods and the first peræopods, and the three large pairs, similar to those described for specimen A.

*Locality*.—Station 101, August 19, 1873; off Sierra Leone; lat. 5° 48' N., long. 14° 20' W.; depth, 2500 fathoms; bottom, blue mud; bottom temperature, 36°·4; surface temperature, 79°·2. Two specimens. Trawled.

*Remarks*.—Sir Wyville Thomson (see Note, p. 471), in noticing specimen B, says, "We have since taken several specimens at different stations in the Atlantic," and "as a small male was in one case captured in the towing-net," he infers that the animals of this genus occasionally come to the surface. As no especial notice is taken of the occurrence of *Cystisoma* at the remarkable depth of 2500 fathoms, some doubt may have been felt whether the two specimens of Station 101 actually came from that depth. Indeed, as Mr. Murray has frequently pointed out, although the dredge or trawl may have been down to a depth of 2500 fathoms, there is no certainty that many of the animals captured came from that depth, as they may have been taken at any depth between the bottom and surface. Since only four specimens of the genus *Cystisoma* seem to have been taken in the Atlantic, I am inclined to believe that the "several specimens" mentioned may have included some belonging in reality to the genus *Lanceola*.

*Cystisoma spinosum* (Fabricius) (Pl. CLVI.). Specimen D.

*Head* with twelve teeth on each lateral margin.

*Upper Antennæ*.—The distal part broken off, so that the full length could not be ascertained, the remaining portion rather thick, tapering, one-fifth of an inch long. Of the spines on either side of the central line on the under side of the head, there are only two pairs, the upper pair (which possibly represent the *Lower Antennæ*) being