STATIONS IIB. TO IIH.

Green Mud (Station IIB.); in 280 fathoms, deposit Green Mud (Station IIc.); in 560 fathoms, deposit Green Sand, containing 31·81 per cent. of carbonate of lime, bottom temperature 52°·0 (Station IID.); in 1290 fathoms, deposit Blue Mud, containing 19 per cent. of carbonate of lime (Station IIE.); in 1475 fathoms, deposit Blue Mud, containing 26·50 per cent. of carbonate of lime, bottom temperature 37°·5 (Station IIF.); in 1380 fathoms, deposit Blue Mud, containing 28·86 per cent. of carbonate of lime, bottom temperature 38°·0 (Station IIG.); and in 1800 fathoms, deposit Blue Mud, containing 19·88 per cent. of carbonate of lime, bottom temperature 37°·0 (Station IIH.).

Distance at noon from Cape St. Vincent, 81 miles. Made good 21 miles.

ORGANISMS FROM SURFACE-NETS.

Surface Organisms.—Willemoes-Suhm writes :—" Among the surface things were some *Acanthometræ*, the common Copepoda, and a Crustacean larva (Brachyuran)."

STATIONS IIJ. AND IIK.

Stations IIJ. and IIK. (Soundings 15 to 17), Lisbon to Gibraltar (see Chart 3).

January 15, 1873 ; lat. 36° 58′ 50″ N., long. 9° 14′ 20″ W.

Temperature of air at noon, 62°·3 ; mean for the day, 60°·1.

Temperature of water :—

Surface,	.	.	.	60·0	125 fathoms,	.	.	.	56·3
25 fathoms,	.	.	.	60·0	150 ,,	.	.	.	55·3
50 ,,	.	.	.	60·0	175 ,,	.	.	.	54·8
75 ,,	.	.	.	59·2	200 ,,	.	.	.	54·5
100 ,,	.	.	.	57·5					

At 9.30 A.M. sounded in 1000 fathoms, deposit Green Mud, containing 18·88 per cent. of carbonate of lime, bottom temperature 39°·5 (Station IIJ.). At noon sounded in 525 fathoms, deposit Green Sand, bottom temperature 54°·0 (Station IIK.), and at 12.45 P.M. lowered dredge, which came up at 3.45 P.M. At 12.45 P.M. Naturalists went away in a boat for surface collecting.

STATION III.

Station III.

At 4.45 P.M. sounded in 900 fathoms, deposit Green Sand (Station III.), and put over dredge. At 7.45 P.M. commenced heaving in dredge, which came up at 10 P.M. full of mud and with a few specimens.

Position at noon, 12 miles off Cape St. Vincent. Made good 81 miles. Amount of current 10 miles, direction W.