

the first sorting and examination of the materials on board ship, have been indicated.

It is now proposed to explain in detail the plan adopted in the subsequent detailed examination and description of these deposits,—to point out the chemical manipulations

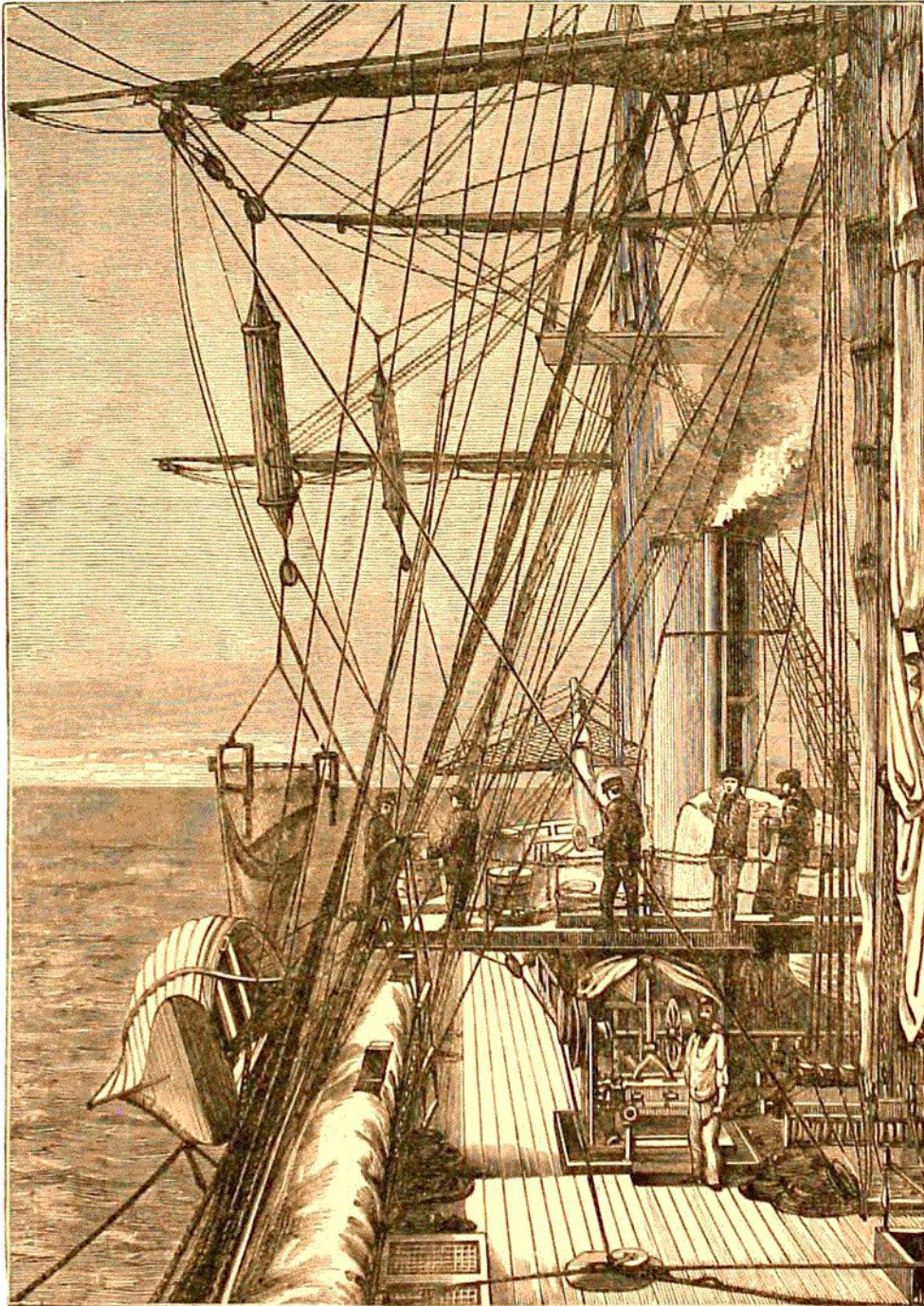


FIG. 17.—Dredging and Sounding arrangements on board the Challenger.

and microscopic analyses by means of which the biological and mineralogical nature of the deposits was determined.

The history of a marine deposit is in general very complex, comprising as it does an account of the origin of the deposit, the causes which have brought the varied elements