

Geissler's "normal" or standard thermometers, graduated into tenths of a degree centigrade; and it is essential for the accuracy of the results that the water, during the observations of the hydrometer, should be sensibly at the same temperature as the

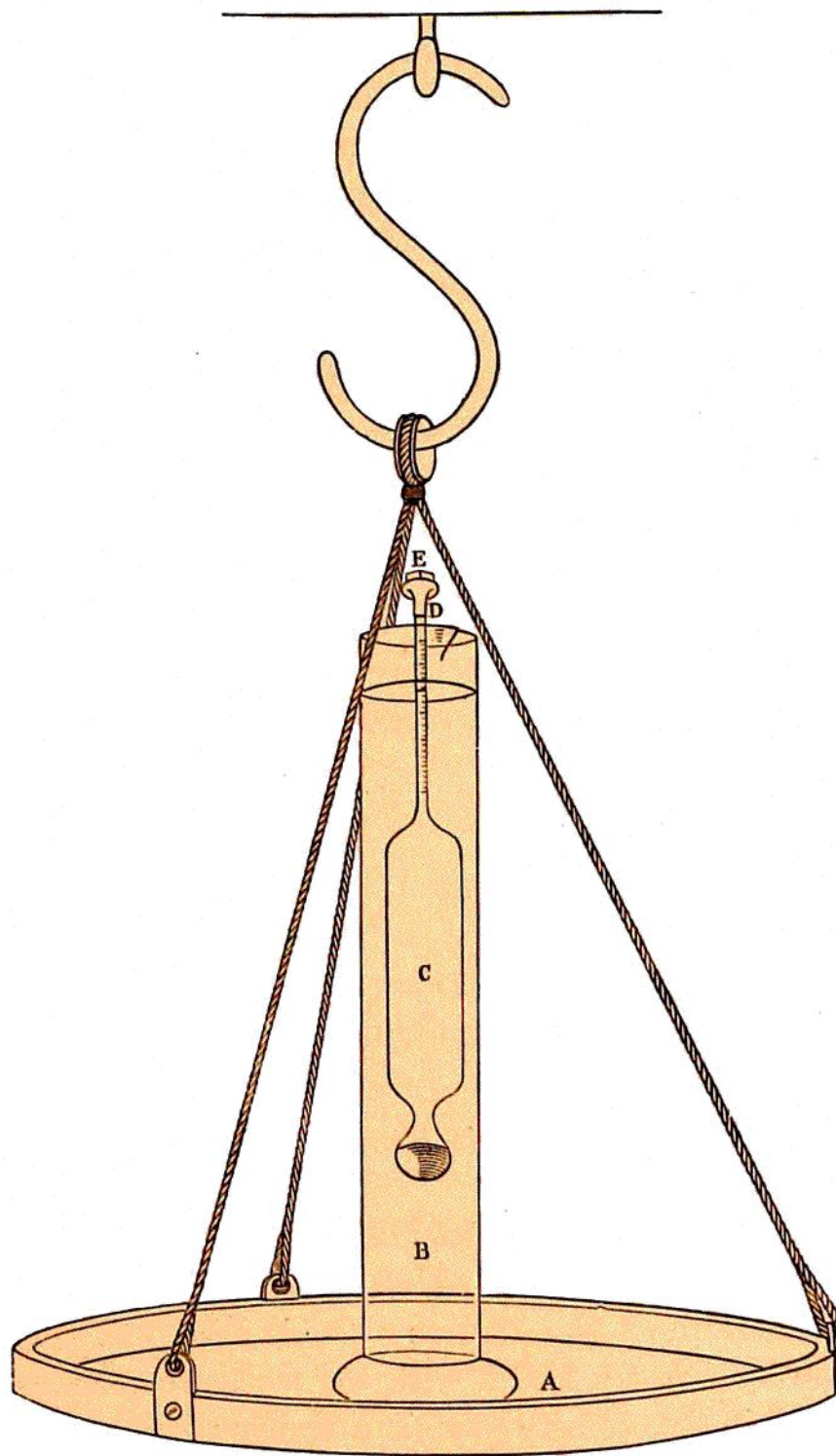


FIG. 38.—Method of using the Hydrometer.

atmosphere, otherwise the changing temperature of the water makes the readings of both the hydrometer and the thermometer uncertain.

*Collection of Samples of Ocean Water.*—Water from the *surface* was collected in the