

to little more than 36 per thousand. A great mixing process must be going on here, as might be expected with the mighty submarine current rolling its saline waters into the strata occupying

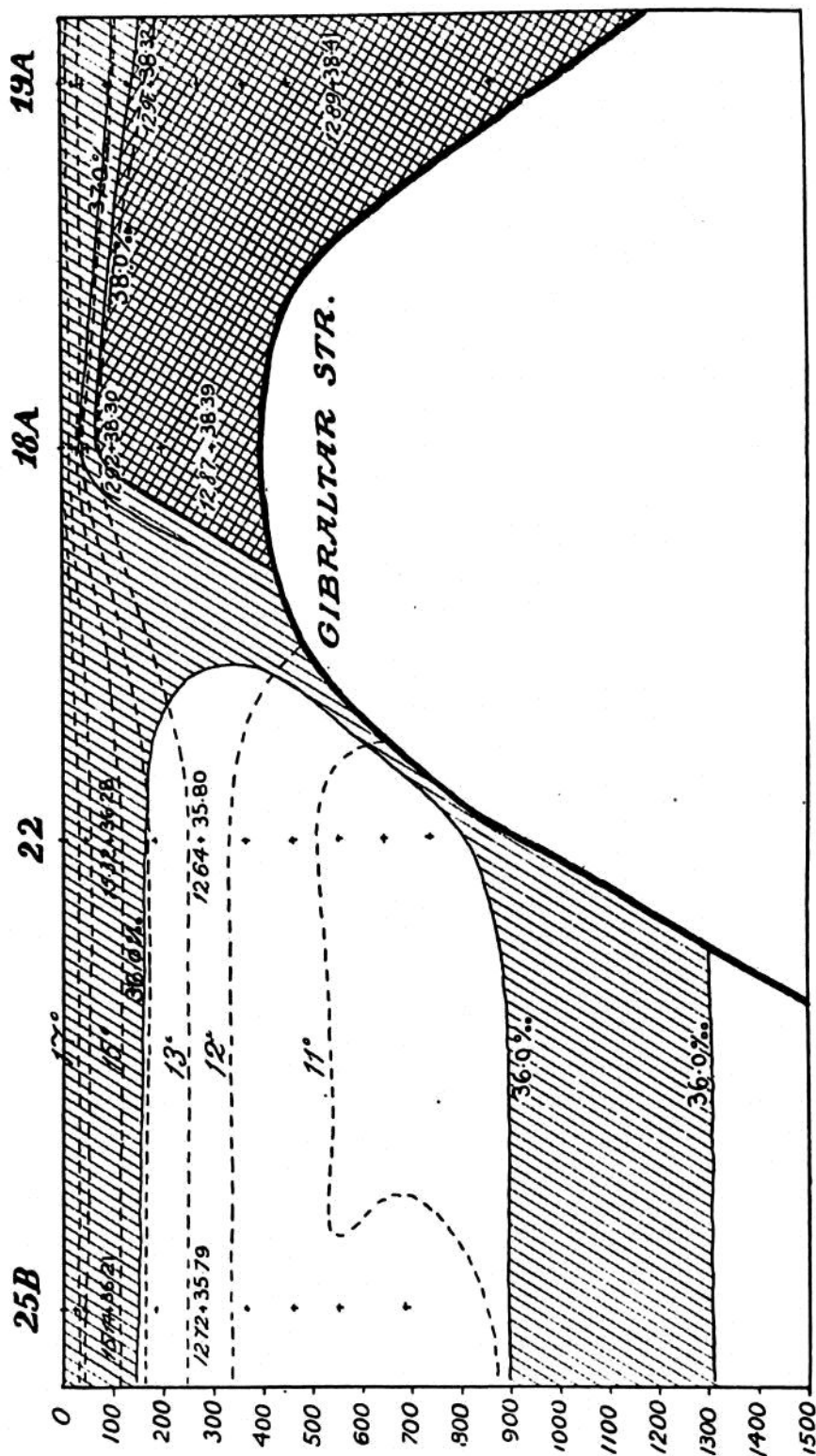


FIG. 199.—SECTION FROM THE MEDITERRANEAN THROUGH THE STRAITS OF GIBRALTAR TO THE ATLANTIC OCEAN (May 1910).

the Spanish Bay. By admixture with the somewhat colder and considerably less saline water, the temperature is slightly, and the salinity greatly, reduced; thereby the density also decreases, becoming lower than that of the deepest layers of the Atlantic region, although higher than that of the surface layers. This