

THE MITCHELL CURRENT METER.

This appliance has been adopted by the LABORATOIRE CENTRAL D'HYDROBIOLOGIE APPLIQUÉE A LA PÊCHE, whose seat is at Piazza Borghese 91, Rome. The following description is extracted from *Eléments de Météorologie générale et nautique*, by Dr. F. MUSELLA, published in the *Bollettino di Pesca, di Piscicoltura e di Idrobiologia*, No. 3, May-June, Rome, 1933.

For the particular study of currents in a determined place, instead of free floats use is made of the MITCHELL float, consisting of two metal cylinders (see Figure); the upper cylinder ends in a conical top to reduce the effect of the wind.

The two cylinders must be of equal dimensions, and are connected by a small lanyard of greater or lesser length, preferably of wire. The length depends on whether it is intended to investigate the surface current only, or the surface and sub-surface currents simultaneously.

The upper cylinder is ballasted so as to leave only the cone above water. The lanyard is adjusted for the depth to be examined; when examining the surface current, the length of the lanyard is reduced to about 3 metres.

