

SURVEYING BOATS *(Continued)*

BRAZIL.

The following is a description of the launches belonging to the Brazilian Surveying Vessel *Rio Branco*, the details for which have been given by the Director General of Brazilian Navigation.

The ship is provided with 2 motor launches, one exactly the same as the Swedish boat shown on Plate 10, page 28 of the Hydrographic Review, May, 1933, with a 24 H.P. Penta motor, and the other has the modifications shown in the accompanying sketch (which is taken from Vol. II of the "Annaes Hydrograficos" Rio de Janeiro, 1934) and is fitted with a 45 H.P. Penta motor. Both have proved themselves most satisfactory for work at sea and will be fitted shortly with Atlas Werke shallow water (100 m. = 55 fms.) Echometers which have already been purchased.

In addition to these two launches the vessel is equipped with a life-boat cutter conforming in every way with the plans on plate 3 of the above mentioned Hydrographic Review, with a "Coast and Geodetic Survey" cutter, which also is most satisfactory for work in Brazilian waters, and finally with another boat suitable for the work and for landing on the coast.

