

THE BRAZILIAN SURVEYING SHIP «ITACURUSSA»

(From the *Anais Hidrograficos*, Vol. IX, 1941-42, p. 81)

The surveying ship *Itacurussa* was bought by the Brazilian Government in October 1938, with a view to being used as a training ship and eventual incorporation into the fleet. Preparations lasted until May 1941 when by order of His Excellency the Minister of Marine she was handed over to the Direction of Navigation.

She is now undergoing the necessary repairs and alterations for being turned into a surveying ship.

She was built in 1901 by the firm Ramage and Ferguson Ltd., Leith, England. Her main characteristics are:

Total length.....	31.30 meters
Beam	5.98 —
Depth	3.68 —
Maximum draught	3.26 —
Normal displacement.....	152 tons
Load displacement.....	210 —

She is fitted with two driving alternating engines with two double expansion cylinders; their power is 55 HP each; the boiler is of the *Escocesa* type with a working pressure of 100 pounds. The maximum speed may reach 10 miles; the economical speed being 6 miles and the radius of action about 3,870 miles.

The electric lighting is supplied by a dynamo and a petrol engine.

The hydrographic equipment will consist of a Hughes echo sounder with a range of up to 475 meters, installed on the bridge and an electric odometer together with two mechanical sounding machines.

Apart from the launch with which she is already provided, the ship will carry medium-sized boats.

Care has been taken to increase the capacity of the water tanks by about 50%.

Quarters are provided for a commanding officer, two officers and a crew of twenty seven men.

