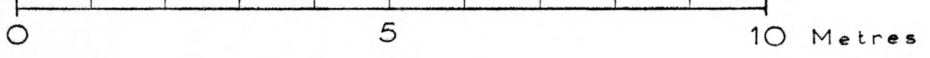
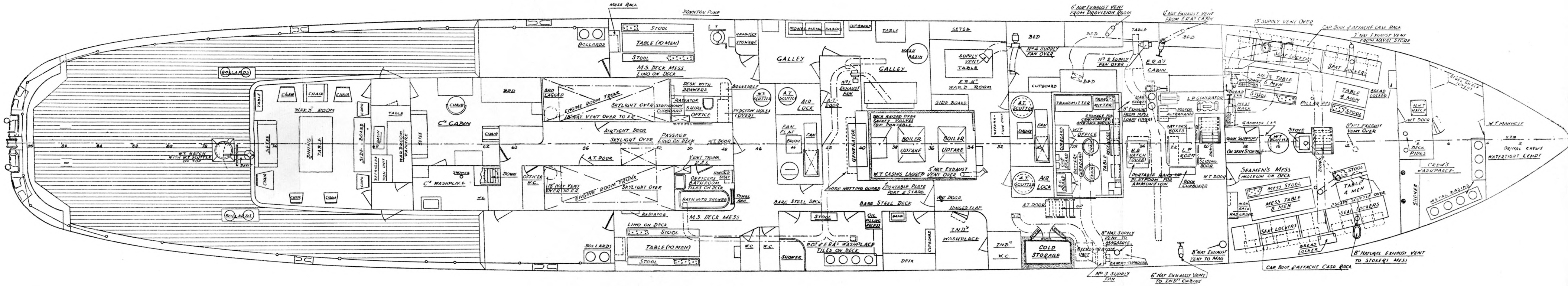


The Portuguese Surveying vessel "Almirante Lacerda".

N. H. ALMIRANTE LACERDA

"GENERAL ARRANGEMENT"



THE PORTUGUESE SURVEYING VESSEL

" ALMIRANTE LACERDA "

Former Squadron mine-sweeper *Caraquet*, constructed by the Shipyard North Van Ship Repairs, Ltd., North Vancouver, Canada.

Date of launching: 2nd June, 1941.

Date of Commission in the Portuguese Hydrographic Service : April, 1947.

The principal features of this ship are as follows : Overall length, 54 m. 86 = 180' 00"; length between perpendiculars, 54 m. 10 = 177' 06"; depth to superstructure, 4 m. 71 = 15' 06"; mean draught, 2 m. 60 = 8' 06"; maximum draught, 3 m. 66 = 12' 00"; overall width, 8 m. 66 = 28' 06"; normal displacement, 800 tons; maximum load-displacement, 876 tons; maximum speed, 17 knots; economical speed, 8.4 knots.

Corresponding radius of action : 1,100 and 3,000 miles.

Engine : Consists of two reciprocating triple-expansion engines, maximum power 2,400 HP for 200 r/m. The anchor and wire-drag winches are on the reciprocating system.

The ship is fitted with 4 refrigerators for the preservation of food and with ventilation for keeping at a fresh temperature the various compartments of the ship.

Fuel : Mazout (Fuel oil).

Fuel tanks : Four of a total capacity of 150 tons.

Boats : One large motor-launch; two motor-boats for surveying operations; one whaleboat.

Ship's officers: One commanding officer; four naval officers; one engineer.

Crew : 37 petty officers and men.

Special navigating appliances: One Sperry gyroscopic compass with six repeaters; one radiogoniometer, type M/F-7; one echo-sounder Hughes MSXII; one Radar apparatus, type 268.

Surveying appliances : One Lucas sounding machine with electric winch, enabling bottom-samples to be taken.

In boats : Lucas sounding-machines with winch operated by hand or by coupling with propeller shaft.

Wollaston current meter.

