

## THE DANISH SURVEYING VESSEL "HEJMDAL".

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The Danish Hydrographer has sent to the International Hydrographic Bureau the following details with regard to the new Danish surveying vessel *Hejmdal* launched at Copenhagen in April last.

The characteristics of the ship are given on the accompanying plans.

The radius of action at a speed of 10 knots is about 4000 nautical miles.

The ship is designed to carry out surveys in the waters of Greenland. The form of the ship below water is that of an ordinary trawler, but of considerably less draught. However, the draught has proved great enough to make the seaworthiness extraordinarily good.

The sounding gear consists of two separate "ATLAS UNIVERSAL-LOT, Type 52" each "lot" being utilizable as ultrasonic or sonic. The ultrasonic (magnetostriction) sounder is self-recording down to 700 metres and has optical reading as well (red light). The sonic sounder is self-recording from 300 to 1500 metres and the greatest depths may be read optically (white light). This sounding gear is placed in a separate room below the bridge, which is also used as draughting room.

Besides being fitted with the most modern surveying instruments the ship is well equipped with all modern instruments for navigation.

This summer, the *Hejmdal* has carried out surveying work in Disco Bay, Greenland, and has obtained very good results.

The ship carries 1 commanding officer, 9 other officers and 37 petty officers and men.

A photograph of her appears in the frontispiece.

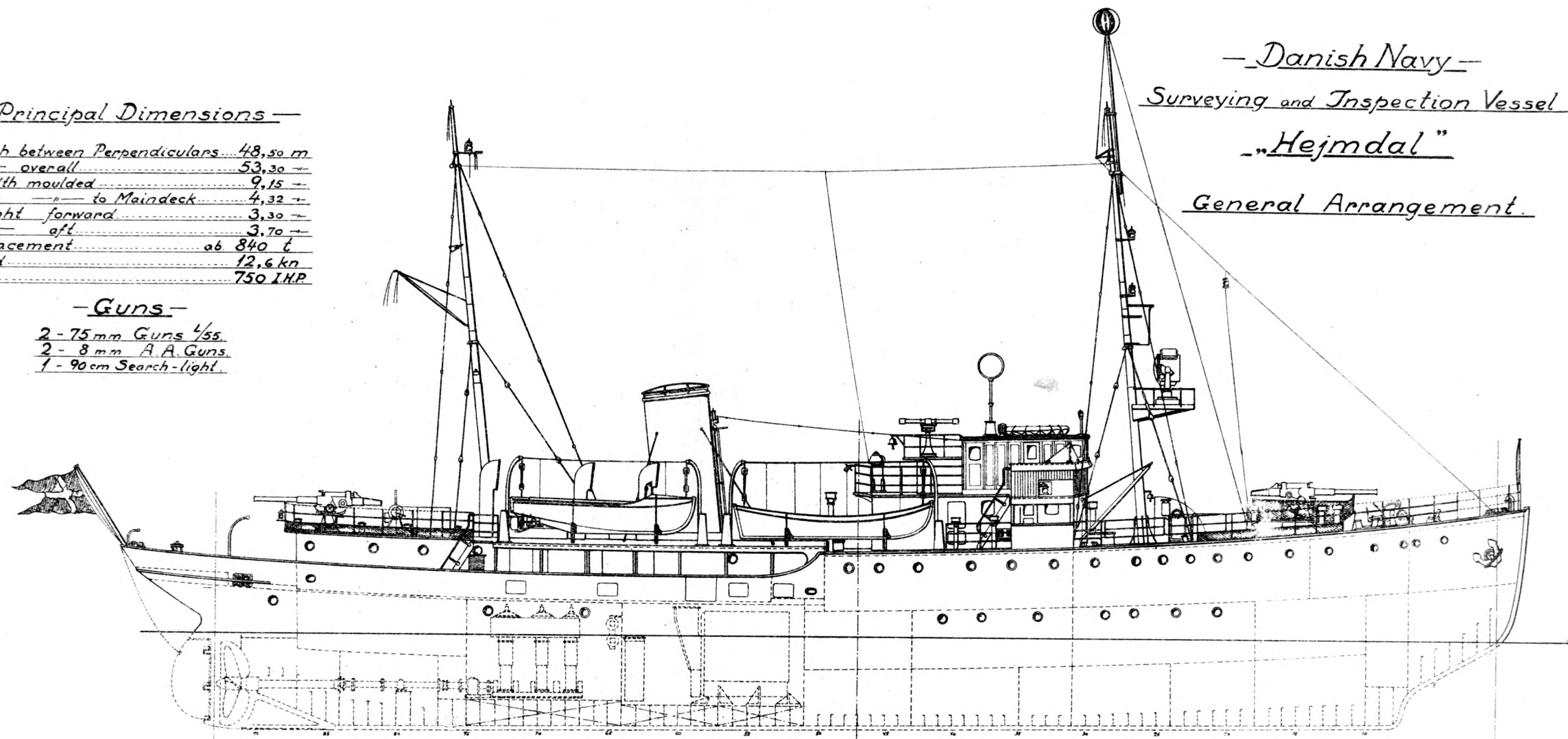


— Danish Navy —  
*Surveying and Inspection Vessel*  
"Hejmdal"  
General Arrangement.

— Principal Dimensions —

Length between Perpendiculars	48,50 m
— overall	53,30 —
Breadth moulded	9,15 —
Depth — to Maindeck	4,32 —
Draught forward	3,30 —
— aft	3,70 —
Displacement	ab 840 t
Speed	12,6 kn
H.P.	750 IHP

- Guns —
- 2 - 75 mm Guns  $\frac{1}{55}$ .
  - 2 - 8 mm A.A. Guns.
  - 1 - 90 cm Search-light.



Navigating bridge.

