



M Ö W E

## THE GERMAN SURVEYING VESSELS

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The German Navy does not possess at the moment any vessel especially designed for hydrographic surveys. The exploring and hydrographic vessel *Meteor* is a converted gun-boat and can therefore not be considered a modern type of hydrographic vessel.

However, during the years 1912-1913, the hydrographic vessel *Möwe* of the late Imperial Navy, completed quite extensive surveys along the coast of the former German protectorate of South West Africa and, in general, the *Möwe* proved herself sea-worthy even in heavy seas.

### *Construction Data of the Surveying Vessel "Möwe".*

Date of construction .....	1906
Length between perpendiculars.....	49 m.
Beam.....	9.8 m.
Designed draft.....	2.8 m.
Displacement in tons (designed).....	650 m.
Block coefficient of fineness $\delta$ .....	0.472
Coefficient of fineness of water line plane $\alpha$ .....	0.7
Ratio of surface of midship section to circumscribed rectangle, coefficient of fineness $\beta$ .....	0.78
Machinery Installation : 2 reciprocating engines each with one H. P. cyl. one M. P. cylinder and one L. P. cylinder and with 2 cylindrical boilers (Scotch).	
Auxiliary machine for lighting - 4 H. P. (as part of the main propulsive machinery).	
Indicated H.P. ....	350.-
Bunker capacity - coal .....	190 tons
Speed.....	8 knots
Cruising radius.....	about 400 nautical miles.
Equipment (boats) : 2 motor launches.	
1 yawl.	
1 dinghy.	
1 whale boat.	

Complement.....		100 men, including officers.
*Cost of construction (1906) approx. ....		765.000 R. M.
*Cost of operation	»	108.000 R. M. annually.
*Upkeep.....	»	50.000 R. M. »




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(\*) The costs of construction, operation and upkeep mentioned, refer back to pre-war figures; at the present moment, therefore, it is necessary to estimate these costs at a very much higher rate.