



MEMORANDUM.

Messrs. A/B Ekensbergs Varv - Yard No.177.

ATLAS DIESEL ENGINE TYPE M44M.

Plans Nos.895-32 and 895-11, Shafting and Stern gear.

With 2 SCSA heavy oil engines for main propelling purposes having 4 cylinders, diameter of cylinders 340 mm., stroke 570 mm, maximum pressure in cylinders 50 kg/cm<sup>2</sup>, diameter and weight of turning wheel 1550 mm. and 2600 kg. respectively, developing 650 B.H.P. at 280 R.P.M., diameter of propeller 2050 mm., screwshaft with "O.G." and intended for a vessel having the notation "Strengthened for Navigation in Ice", the following sizes of shafting will be approved, viz:-

Intermediate ..... 140 mm. dia.

Screw ..... 168 mm. "

The details of shafting and stern gear as shown and amended on the plans will also be approved, provided the steel casting for the loose coupling of the propeller shaft be made at approved works and be tested as required by the Rules.

It is noted that a Cedervall's oil gland is proposed for the after end of the sternbush and when this has been fitted to the Surveyor's satisfaction, the vessel will be entitled to the notation "O.G." in the Register Book.

It is concluded that the propeller will be of cast steel or other approved material, but this should be confirmed.

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GOTHENBURG.

20.5.40.



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