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Lloyd's Register of Shipping,

71, Fenchurch Street, E.C. 3.

22nd April, 1939.

Dear Sir,

E.

I duly received your letters of the 8th and 15th instant, with plans advised therein, relating to shafting proposed for the main engines to be supplied by Messrs. A/B. Gotaverken for Messrs. A/B. Lindholmens Varv's Yard No.964.

These plans have been examined, and I have to inform you that, with 2 SCOA heavy oil engines for main propelling purposes, having 6 cylinders 500 mm. diameter by 900 mm. stroke, span of bearings 698 mm., R.P.M. 160, maximum pressure in cylinders 49 Kgs. per sq. cm., M.I.P. 7 Kgs. per sq. cm., B.H.P. 2100, weight of turning wheel 840 Kgs., diameter of turning wheel 1652 mm., GD² of balance weights 4800 Kg.M², diameter of propeller 3430 mm. and screw shaft without continuous liner, the following sizes of shafting will be approved, viz:-

Crank	340 mm. dia. with 115 mm. dia. central hole
Intermediate	245 mm. dia.
Thrust	300 mm. dia. with 115 mm. dia. central hole
Screw	300 mm. dia. body reduced to 280 mm. dia. at forward end.

The plans in question, showing details of crankshaft and arrangement of straight shafting, will also

W211-0254(112)

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-2-

Messrs. Lindholmens Varv's
Yard No. 964.

be approved for a vessel intended to have the notation "Strengthened for Navigation in Ice", provided the steel castings be made at an approved Works and tested as required by the Rules. It is noted that it is proposed to fit oil retaining glands of approved type at the after end of the stern bushes, and when these have been fitted to the Surveyors' satisfaction, the vessel will be eligible to receive the notation "O.G." in the Register Book.

It is also observed that dowel pins will not be fitted in the crankshaft, and with shrinkage allowance and yield point of the crank web material proposed, this is in order.

It is concluded that the span of bearings is 698 mm. as in previous similar cases, and not 898 mm. as stated in the data sheet forwarded by you.

One copy of each plan is being returned to you under separate cover.

I am, Dear Sir,

Yours faithfully,

S. Townshend, Esq.,
GOTHENBURG.



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Secretary.
Lloyd's Register
Foundation

W211-0254 (2/2)