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Lloyd's Register of Shipping,

71, Fenchurch Street, E.C.3.

2nd February, 1939.

Dear Sirs,

E.

I duly received your letter of the 21st ultimo, forwarding plans, in triplicate, of crankshafts for the main and auxiliary engines proposed for Messrs. Burmeister & Wain's Yard No.646.

These plans have been examined, and with regard thereto I have to inform you as follows:-

Main Engines.

With 2 SCDA oil engines for main propelling purposes, having 6 cylinders 620 mm. diameter, stroke 1400 mm., span of bearings 1164 mm, R.P.M. 100, maximum pressure in cylinders 49 Kgs. per sq. cm., M.I.P. 6.3 Kgs. per sq. cm., B.H.P. 6000 each engine, GD² of balance weights 58,000 Kg.M², and GD² of turning wheel 10,000 Kg.M², the following sizes of shafting will be approved, viz:-

Crank 485 mm. dia. with 115 mm. central hole
Thrust 460 mm. dia.

The plan showing details of crankshaft will also be approved.

It is noted that dowel pins will not be

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Messrs. Burmeister & Wain's
Yard No. 646.

fitted, and with the proposed shrinkage allowance and yield point of crankweb material, this is in order.

Auxiliary Engines.

With 2 SCSA oil engines for driving auxiliary machinery, having 8 cylinders 220 mm. diameter, stroke 370 mm., span of bearings 330 mm., maximum pressure in cylinders 49 Kgs. per sq. cm., M.I.P. 6.2 Kgs. per sq. cm., B.H.P. 480 and R.P.M. 400, the following size of crankshaft will be approved, viz:- 180 mm. dia.

It is noted that dowel pins will not be fitted, and with the proposed shrinkage allowance and yield point of crankweb material, this is in order. The plan of crankshaft will also be approved.

Two copies of each plan are being returned to you under separate cover.

I am, Dear Sirs,

Yours faithfully,

Secretary.

The Surveyors,
COPENHAGEN.



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Foundation
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