



Lloyd's Register of Shipping,

55, Fawcett Street,

Sunderland, 14th December, 1936.

LLOYD'S REGISTER
Received
15 DEC 1936
Ansd. 21/12
LONDON

Reference,

ENCLOSURES.

Dear Sir,

MESSRS. WM. DOXFORD & SONS' CONTRACT NO. 640

We enclose herewith for the consideration of the Committee, blue prints in triplicate, of Drawing No. 6980 showing Crankshaft for the above vessel.

The engines are of the single screw Doxford type having three cylinders with lever driven scavenge and water pumps driven from the Crossheads of No. 2 Cylinder.

Bore of Cylinders.	600 m/m.
Stroke of Lower Piston.	1340 m/m
" " Upper Piston.	980 m/m
Service R.P.M.	108
" B.H.P.	2500
" I.H.P.	2880
" M.I.P.	88 lbs/sq. ins.
Max. Combustion Pressure.	40 atm. (568 lbs/sq.ins.)
Mean Piston Speed.	820 ft/min.

At the forward and after ends, flywheels will be fitted of about 20 tons/ft² each, the diameters of these wheels being about 7'-6" and the weight of each about 2 tons.

No dowel pins are indicated at present as the fitting of these has not yet been discussed by the Builders with the Owners. If they are dispensed with, particulars of

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the shrinkage etc. will be forwarded in due course. If they are to be fitted the Builders propose two pins 45 m/m dia. x 170 m/m long in each shrunk joint.

The Builders would be glad to have for their records, the minimum diameters of Crankpins, Journals, Intermediate Shafting and Propeller Shaft (with continuous liner) which would be approved by the Society in this instance. The diameter of Propeller will be 15'-9".

We are, Dear Sir,

Yours faithfully,
THE SURVEYORS,
PER:

W. H. Kraus.

The Secretary,
LONDON.



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Lloyd's Register
Foundation

W483-0134^{2/2}