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Lloyd's Register of Shipping,

71, Fenchurch Street, E.C.3.

Enclosures.

12th October 1938.

Dear Sir,

E. I am in receipt of your letter of the 8th instant, with enclosures, respecting shafting proposed by Messrs. D. Rowan & Co. for their Doxford Engine No.1020 intended for Messrs. Lithgows Ltd's Yard No.906.

The plans have been examined and I have to inform you that with 2SCSA opposed piston heavy oil engines for main propelling purposes, having 4 cylinders, 560 mm. diameter by 2160 mm. combined stroke, span of side rod bearings 1120 mm., revs. per min.110, maximum pressure in cylinders 570 lb. per sq. inch, M.I.P. 90 lb. per sq. inch, B.H.P. 2850 total weight of flywheels 7.39 tons, diameter of flywheels 2120 mm., diameter of propeller 16'-0", screw shaft with continuous liner, the following sizes of shafting will be approved, viz:-

Crank.....	420 mm.
Thrust.....	420 mm.
Intermediate.....	14½"
Screw.....	15½"

The plans showing details of the crank, intermediate and screw shafting will also be approved, and one set is returned herewith.

It is noted that dowel pins will not be fitted, and I have to state that with the proposed shrinkage allowance and

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Lithgows' Yard No.906.

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yield point of the material of the crank webs this is in order.

I am, Dear Sir,

Yours faithfully,

Secretary.

The Secretary,

GLASGOW.



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Lloyd's Register
Foundation

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