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Lloyd's Register of Shipping,

71, Fenchurch Street, E.C. 3.

Enclosures.

21st January, 1930.

Dear Sirs,

I am in receipt of your letter of the 16th instant, forwarding for consideration a letter and plans received from Messrs. The Wallsend Slipway & Engineering Co. Ltd., respecting the fitting of a Bauer Wach Exhaust Steam Turbine to the s.s. "CITY OF HANKOW", and with regard thereto, I have to acquaint you that with steam reciprocating engines for open sea service having cylinders 26", 37 $\frac{1}{2}$ ", 54", 78" diameter by 54" stroke, working pressure 225 lb. per sq. inch, combined with an exhaust steam turbine on the Bauer Wach system, the reciprocating engine having an IHP of 3315 and the exhaust turbine a SHP of 1265 at the primary pinion and 84 revolutions per minute of the intermediate shaft when the reciprocating engine and turbine are working in conjunction the existing sizes of intermediate and screwshafts, viz:- 14 $\frac{1}{2}$ " and 16 $\frac{3}{4}$ " diameter respectively will be approved.

Further, the following plans showing the undermentioned sizes of proposed new shafting will be approved, viz:-

2nd Reduction pinion shaft	..420 mm. dia. with 355 mm. central hole	..Drg. 5/BW12.
Transmission shaft	110 mm. diameter	Drg. 6/BW12.
Hydraulic Coupling Shaft	300 m. with 175 mm. central holeDrg. 7/BW12
1st Reduction wheel Shaft	170 mm. and 130 mm. diameterDrg. 4/BW12
2nd Reduction wheel shaft, thrust shaft and coupling pieces, reduction wheel shaft	550 mm. with 440 mm. central hole, and thrust shaft	425 mm. diameter
	Drg. No. 26320.

W238-0050(112)

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The plans in question are returned herewith.

I am, Dear Sirs,

Yours faithfully,

Secretary.

The Surveyors,

NEWCASTLE/TYNE.



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Lloyd's Register
Foundation

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