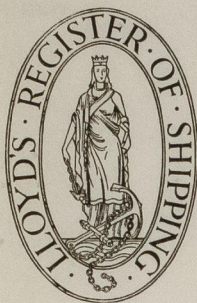


LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

Port Nottingham.January 10th/55.

Engine No. 27433. Type D.F. 9.

For
Class. "C"
London
Copy sent to
Sunderland

This is to Certify that

W. Thorburn

the undersigned Surveyor to this Society did at the request of Messrs. E. Reader & Sons Ltd., Nottingham, attend their Works on the 29th. November/54 and subsequently, for the purpose of examining and testing -

One - Vertical enclosed forced lubricated Two Cylinder reciprocating Steam Engine No. 27433, type D.F. 9, manufactured to the order of:- Messrs. Bartram & Sons Ltd., No. B. 16522/3/4a for installation on Ship No. 348.

This engine has cylinder diameters of 10" inches and 13½" inches and a stroke of 5" inches, is designed to develop 79 B.H.P. at 600 R.P.M. when supplied with saturated steam at 120 lbs. per sq. inch exhausting to atmosphere or condenser.

The cylinder castings have been hydrostatically tested, the H.P. to 250 lbs. per sq. inch, the L.P. to 200 lbs. per sq. inch and physical tests have been carried out on the material of the engine crankshaft with satisfactory results.

The engine was examined under full load running conditions direct coupled on a common bedplate to a Campbell & Isherwood Generator No. 50582 - 220 Volts - 50 K.W. rating with satisfactory results.

The Governor was satisfactorily tested.

The working parts were finally opened up, examined and found satisfactory.

Identification Marks:-

<u>Crankcase.</u>	<u>Cylinder H.P.</u>	<u>Cylinder L.P.</u>	<u>Crankshaft.</u>
Lloyds Test.	Lloyds Test.	Lloyds Test.	Lloyds Test.
27433.	250 lbs.	200 lbs.	No. 3814. T.D. 8.
W.T. 20. 12. 54. NOT.	W.T. 29. 11. 54. NOT.	W.T. 6. 12. 54. NOT.	W.T. 1. 12. 54.

Fee:- £5.

H Thorburn
SURVEYOR TO LLOYD'S REGISTER OF SHIPPING.

This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that:-

"While the Committees of the Society use their best endeavours to ensure that the functions of the Society are properly executed, it is to be understood that neither the Society nor any Member of any of its Committees is under any circumstances whatever to be held responsible for any inaccuracy in any report or certificate issued by the Society or its Surveyors, or in any entry in the Register Book or other publication of the Society, or for any error of judgment, default or negligence of any of its Committees or any Member thereof, or the Surveyors, or other Officers or Agents of the Society."