

Lloyd's Register of Shipping.

Port BIRMINGHAM26th January, 1944

This is to Certify that

G. ANDERSON AND H. McDONALD.

the undersigned Surveyors to this Society did at the request of

M. Richardson Westgarth & Co. Ltd., West Hartlepool, attend at the
 Marshall Engineering Works of Messrs. John Thompson (Wolverhampton) Ltd.,
 the purpose of examining during construction and welding by the Union Melt
 the undernoted Water Drum (Port) which forms part of a Foster Wheeler
 type Boiler.

Water Drum Reference No. E.W.1470.

<u>Internal Diameter.</u>	<u>Length of shell.</u>	<u>Shell Thickness.</u>	<u>End Thickness</u>
2'9"	9'8"	1.9/32"	1.9/32"

The Drum was made of tested mild steel plates having an ultimate breaking
 strength of between 26/30 tons per square inch for the ends and between 28/32
 tons per square inch for the shell.

The Drum was examined before, during and after welding, and as far as
 could be ascertained was found to be sound and free from defects.

The scantlings of the Drum and the shape and position of the welded joint
 were in accordance with the approved design.

All the requirements relating to routine test, X-ray examination, heat
 treatment and hydraulic test detailed in the Society's "Requirements for Class
 1 Pressure Vessels" have been complied with.

The Drum was calibrated for distortion after annealing and found
 satisfactory.

A hydraulic test of 770 lb. per square inch was applied to this drum and
 at the end of this test the Drum was well hammered on both sides of and close
 to the welded seams without any signs of leakage being observed.

For the purpose of identification the Drum was stamped:-

E.W.1470 LLOYD'S NO.464
 Hydraulic Test 770 lb. per sq. in.
 W.P.480 lb. per. sq. in.
 H.McD. 19.1.44

G. Anderson & H. McDonald
 Surveyors to Lloyd's Register of Shipping.

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

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 executed, it is to be understood that neither the Society nor any Member of any of its Committees is under any circumstances
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 committees or any Member thereof, or the Surveyors, or other Officers or Agents of the Society."