

# REPORT ON BOILERS.

No. 38063.

Received at London Office WED. 21 AUG. 1918

Writing Report 101 When handed in at Local Office 101 Port of Glasgow.  
 Survey held at Book. Date, First Survey 22/5/18. Last Survey 12. 8. 1918  
 (Number of Visits 11.) } Gross  
 Tons } Net  
 Built at W. H. P. By whom built Swines S.B. 598 When built  
 Made at Partickpool By whom made Richardson Westgarth L<sup>o</sup>. (2141) When made 1918  
 Made at Renfrew By whom made Babcock & Wilcox L<sup>o</sup>. (M 422) When made 1918  
 Horse Power Owners Port belonging to

**LONGITUDINAL BOILERS—MAIN, AUXILIARY OR DONKEY.**—Manufacturers of Steel Bolton, Stewart & Lloyd

For record S Total Heating Surface of Boilers 8289 # Is forced draft fitted Followed Stokers No. and Description of  
3 Babcock & Wilcox Marine Working Pressure 180 # Tested by hydraulic pressure to Date of test

Certificate Can each boiler be worked separately Area of fire grate in each boiler 84 1/2 # No. and Description of  
 valves to each boiler 7 Area of each valve 8.95 Pressure to which they are adjusted

They fitted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler  
 Least distance between boilers or uptakes and bunkers or woodwork Inside Steam Drum Mean dia. of boilers 4.0 Length 13.3 1/2

Material of shell plates S Thickness 1 1/2" Range of tensile strength 26-30 Are the shell plates welded or flanged  
 Pitch of riveting: cir. seams DR. long. seams DR. DBS Diameter of rivet holes in long. seams 2 1/32 Pitch of rivets 3 3/16"

Plates or width of butt straps 4" Per centages of strength of longitudinal joint rivets 47.5 plate 45.8 Working pressure of shell by  
205. Size of manhole in shell 15 x 11 Size of compensating ring M. D. S. No. and Description of Furnaces in each

Material	Outside diameter	Length of plain part		Thickness of plates		Combustion chamber
		top	bottom	top	bottom	
Description of longitudinal joint	No. of strengthening rings	Working pressure of furnace by the rules				

Material	Thickness: Sides	Back	Top	Bottom	Pitch of stays to ditto:	
					Sides	Back
If stays are fitted with nuts or riveted heads			Working pressure by rules		Material of stays	
Least part			Area supported by each stay		Working pressure by rules	
End plates in steam space:			Material <u>S</u>		Thickness <u>13/16"</u>	

How are stays secured Radius Working pressure by rules 220 Material of stays S Diameter at smallest part  
 Area supported by each stay Working pressure by rules Material of Front plates at bottom Thickness Material of  
Ruddrums S Thickness 3/4 Greatest pitch of stays Working pressure of plate by rules Diameter of tubes 13.3 1/16"

Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide  
 Working pressures by rules Girders to Chamber tops: Material Depth and thickness of  
 Length as per rule Distance apart Number and pitch of Stays in each

Working pressure by rules Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked  
 Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet  
 Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

Stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed  
 Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

Survey request form  
 No. attached

The foregoing is a correct description,  
Babcock & Wilcox Limited. Manufacturer.  
W. Donald

Is the approved plan of boiler forwarded herewith DD forwarded with the plan 3766 A (Bain copy of M. 381)  
 Total No. of visits 11  
 During progress of work in shops - 1918 May 22, 24, 30, June 10, 12, 14, 27, July 3, 5, Aug 2  
 During erection on board vessel - 12

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.) These boilers have been built under  
real Survey in accordance with the approved plans, the workmanship & material are of good quality  
in drums tested to 360lb, Headers tested to 400lb, the Ruddrums to 700lb. These parts are being  
shipped to Partickpool at which port they will be erected on board & tested to 360lb  
(also erected in the slip previously to shipment) Dupl of M 381. G. R. P. No 3766 A

Survey Fee ... £ : : } When applied for, ..... 191  
 Travelling Expenses (if any) £ : : } When received, ..... 191

14 of Machinery Fee to be credited to his office  
 W. Gordon Muclius  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW, 20 AUG 1918 FRI. 17 JAN. 1919

signed TRANSMIT TO LONDON  
 Lloyd's Register Foundation