

REPORT ON BOILERS.

No. 29210.

WED. 24 AUG 1910

Received at London Office

of writing Report 19 When handed in at Local Office 20th/10/10. Port of Glasgow
 in Survey held at Renfrew Date, First Survey 21st April Last Survey 28th July 1910
 Book. on the Water Tube Boilers No 159. for Vancouver Ferry Steamer
 Built at Glasgow By whom built McKie & Baxter when made 1910
 Boilers made at Renfrew By whom made Babcock & Wilcox Ltd when made 1910
 Registered Horse Power Owners Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel *Stewarts & Lloyds Ltd.*

atter for record) Total Heating Surface of Boilers 2808 sq ft Is forced draft fitted No. and Description of
 Boilers Two. Water Tube Working Pressure 175 lbs . Tested by hydraulic pressure to Date of test
 of Certificate Can each boiler be worked separately Area of fire grate in each boiler No. and Description of
 Safety valves to each boiler 2. spring loaded Area of each valve 5.94 sq in Pressure to which they are adjusted
 Are they fitted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
 Smallest distance between boilers or uptakes and bunkers or woodwork Mean dia. of ^{steam drum} boilers 3'-0" Length 11'-4 $\frac{1}{2}$ "
 Material of ^{steam drum} shell plates steel Thickness $\frac{7}{16}$ " Range of tensile strength 24/28 tons Are the shell plates welded or flanged no
 Description of riveting: cir. seams DR lap long. seams DBS DR Diameter of rivet holes in long. seams $\frac{23}{32}$ " Pitch of rivets 3 $\frac{1}{2}$ "
 Width of butt straps 8" Per centages of strength of longitudinal joint rivets 81.6 Working pressure of shell by
 plates 242 Size of manhole in shell 15" x 11" Size of compensating ring Flanged No. and Description of Furnaces in each
 Material Outside diameter Length of plain part Thickness of plates crown bottom
 Description of longitudinal joint No. of strengthening rings Working pressure of furnace by the rules Combustion chamber
 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 Diameter at
 Smallest part Area supported by each stay Working pressure by rules End plates in steam ^{drum} space: Material steel Thickness $\frac{5}{8}$ dished
 How are stays secured Working pressure by rules 233 Material of stays Diameter at smallest part
 Area supported by each stay Working pressure by rules Material of Front plates at bottom Thickness Material of
 Over back plate Thickness Greatest pitch of stays Working pressure of plate by rules Diameter of tubes 1 $\frac{13}{16}$ "
 Material of ^{headers} tube plates steel Thickness: Front $\frac{17}{32}$ " Back $\frac{17}{32}$ " 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
 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

The foregoing is a correct description,

Babcock & Wilcox Limited.

Manufacturer.

No 414 attached

Dates During progress of 1910. April 21. May 9. July 8. 11. 28 Is the approved plan of boiler forwarded herewith yes
 Survey work in shops - -
 while During erection on
 building board vessel - - -
 Total No. of visits 5

GENERAL REMARKS

(State quality of workmanship, opinions as to class, &c.)

These boilers have been constructed under special survey in accordance with the rules and approved plans enclosed. The steam drums and sections of headers and tubes have been tested by hydraulic pressure to 350 lbs . Materials and workmanship are good. These boilers are being shipped to Vancouver in pieces

Survey Fee ... £ 9 : 7 :

When applied for,

Travelling Expenses (if any) £ :

When received.

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 23 AUG. 1910

Assigned Transmit to London.

TUE. JUL 25. 1911



Lloyd's Register Foundation

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