

# REPORT ON BOILERS.

No. 602

REC'D NEW YORK

August 29 1917

Received at London Office TUE. SEP. 10 1917

Date of writing Report *24/8* 1917 When handed in at Local Office *24/8* 1917 Port of *Vancouver*

No. in Survey held at *Victoria* Date, First Survey *May 25th* Last Survey *August 6th* 1917

Reg. Book. *Auxiliary Wood 5 Mast Seln. Esquimaux* (Number of Visits *4*) Tons { Gross *1373.03*  
Net *1058.24*

Master *J.P. Fisher* Built at *Victoria* By whom built *Cameron, Green Mills Shipbuilders* When built *1917*

Engines made at *Stockholm* By whom made *J. & G. B. Rolinides Co.* When made *1916*

Boilers made at *Victoria* By whom made *Victoria Machinery Dept. Co.* When made *1917*

Registered Horse Power *160 B.H.P. each* Owners *Canada West Coast Navigation Co. Ltd.* Port belonging to *Victoria*

## MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel *Dalzell & Parkhead*

(Letter for record) Total Heating Surface of Boilers *The Vertical multitubular* Is forced draft fitted  No. and Description of Boilers *Working Pressure 130* Tested by hydraulic pressure to *195* Date of test *9.6.17*

No. of Certificate *—* Can each boiler be worked separately  Area of fire grate in each boiler *22.9* No. and Description of safety valves to each boiler *2 Spring loaded* Area of each valve *4.9* Pressure to which they are adjusted *130 lbs*

Are they fitted with easing gear *yes* 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 *12"* Mean dia. of boilers *72"* Length *9'-2"*

Material of shell plates *Steel* Thickness *9/16"* Range of tensile strength *60,000* Are the shell plates welded or flanged *—*

Descrip. of riveting: cir. seams *single lap long*, seams *double riveted* Diameter of rivet holes in long. seams *13/16"* Pitch of rivets *3 3/8"*

Lap of plates or width of butt straps *8 3/8"* Per centages of strength of longitudinal joint rivets *80% 2* Working pressure of shell by rules *142* Size of manhole in shell *nil* Size of compensating ring *nil* plate *75% 4*

No. and Description of Furnaces in each boiler *one* Material *Steel* Outside diameter *65"* Length of plain part *—* Thickness of plates *9/16"*

Description of longitudinal joint *Double riveted lap* No. of strengthening rings *—* Working pressure of furnace by the rules *121* Combustion chamber plates: Material Thickness: Sides Back Top Bottom Pitch of stays to ditto: Sides Back

Top *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 space: Material Thickness

Pitch of stays How are stays secured Working pressure by rules 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 Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules Diameter of tubes

Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide water spaces Working pressures by rules Girders to Chamber tops: Material Depth and thickness of girder at centre 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 separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

If 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

*Victoria Machinery Depot Co., Ltd.* *W. Houston* The foregoing is a correct description, Manufacturer.

The Dates of Survey *During progress of work in shops - -* while building *During erection on board vessel - - -*

Is the approved plan of boiler forwarded herewith

Total No. of visits *—*

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

*This boiler is well built and of good sound material. Is fitted in the fore-castle and well secured. All wood work including the deck well insulated and protected from fire. Is eligible in my opinion to have the notation in the Register Book ELEC Light.*

Survey Fee *\$ 15.00* When applied for *Aug-24 1917*

Travelling Expenses (if any) *—* When received *22-10-1917*

*J. G. Mitchell*  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute *TUE. 25. SEP. 1917*

Assigned *FRI. 18. JAN. 1918*  
*FRI. 15. FEB. 1918*

Lloyd's Register Foundation