

REC'D NEW YORK June 24-1918

REPORT ON BOILERS.

No. 21.

pt. 5.

Where and when Report made
Superintendent
No. in Survey held at *St Catharines Ont.* Date, First Survey *Oct. 4. 1917* Last Survey *19*
Reg. Book. *Nov 10 1917* When handed in at Local Office *Nov 10 1917* Port of *Toronto*
on the *N.B. for the H. Man Road Sch. "M.P. CONNOLLY"* Tons { Gross *1368*
Net *1263*
Master *J. Swain* Built at *Lachine P.Q.* By whom built *Lachine Shipyard Rep. Co.* When built *1918*
Engines made at *✓* By whom made *✓* when made *✓*
Boilers made at *St Catharines* By whom made *Jencks & Co.* when made *1917*
Registered Horse Power *✓* Owners *Barber Road Shipping Co. Ltd.* Port belonging to *Lachine P.Q.*
220 Bond St. Lachine P.Q.

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

Letter for record *✓* Total Heating Surface of Boilers *✓* Is forced draft fitted *✓* No. and Description of Boilers *✓*
Working Pressure *✓* Tested by hydraulic pressure to *✓* Date of test *✓*
No. of Certificate *✓* Can each boiler be worked separately *✓* Area of fire grate in each boiler *✓* No. and Description of safety valves to each boiler *✓*
Area of each valve *✓* 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 boilers *✓* Length *✓*
Material of shell plates *✓* Thickness *✓* Range of tensile strength *✓* Are the shell plates welded or flanged *✓*
Descrip. of riveting: cir. seams *✓* long. seams *✓* Diameter of rivet holes in long. seams *✓* Pitch of rivets *✓*
Gap of plates or width of butt straps *✓* Per centages of strength of longitudinal joint *✓* Working pressure of shell by rules *✓*
Size of manhole in shell *✓* Size of compensating ring *✓* No. and Description of Furnaces in each boiler *✓*
Material *✓* Outside diameter *✓* Length of plain part *✓* Thickness of plates *✓*
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 space: Material *✓* Thickness *✓*
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 *✓*

VERTICAL DONKEY BOILER— No. *no* Description *Vertical* Manufacturers of steel *Lachine S. & S. Co.*
Made at *St Catharines* By whom made *Jencks & Co.* When made *1917* Where fixed *In 7th St. Lachine* Working pressure *140 lb.*
Tested by hydraulic pressure to *200 lb.* Date of test *29.10.17* No. of Certificate *16* Fire grate area *✓* Description of safety valves *Spring loaded*
No. of safety valves *no* Area of each *4.95* Pressure to which they are adjusted *140 lb.* If fitted with easing gear *yes* If steam from main boilers can enter the donkey boiler *✓*
Dia. of donkey boiler *48 in.* Length *7' 6"* Material of shell plates *Steel* Thickness *3/16* Range of tensile strength *60,000* Descrip. of riveting long. seams *Full 3/16 in.* Dia. of rivet holes *3/16* Whether punched or drilled *punched* Pitch of rivets *3.52*
Gap of plating *6/32* Per centage of strength of joint *100* Working pressure of shell by rules *140* Thickness of shell crown plates *3/16*
Radius of do. *flat* No. of Stays to do. *14* Dia. of stays *2"* Diameter of furnace Top *42* Bottom *100 approved* Length of furnace *2' 6"*
Thickness of furnace plates *3/8* Description of joint *Riveted* Working pressure of furnace by rules *190* Thickness of furnace crown plates *3/16* Radius of do. *flat* Stayed by *14-2 Stayed* Diameter of uptake *✓* Thickness of uptake plates *✓*
Thickness of water tubes *✓*

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building
During progress of work in shops *Oct. 4-12. 29*
During erection on board vessel *Dec. 10. 1918 Mar. 2. Apr. 15 June 13.*
Total No. of visits *3 + 4 = 7*

Is the approved plan of main boiler forwarded herewith

" " " donkey " " "

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

This boiler has been constructed under Special Survey. The material & workmanship is good.

The Boiler has been dispatched to the Quebec Shipyard Co. Quebec.

This Boiler has been satisfactorily fitted on board, examined under steam and the safety valve adjusted to blow at 140 lbs of steam. In my opinion this boiler is eligible to have the record of **FN.B 6-18**

M. J. Alderson.

It is submitted that
this vessel is eligible for
THE RECORD.

+ DB 6.18

WDA
3/9/18.

The amount of Entry Fee...	£	:	When applied for,
Special ...	135	00	1917
Donkey Boiler Fee ...	£	:	When received,
Travelling Expenses (if any)	4	18 35	27/9/18
	139 35		

Committee's Minute **FRI SEP - 6 1918**

Assigned

+ DB 6.18

[Signature]



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Lloyd's Register
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