

REPORT ON BOILERS.

No. 3273

Received at London Office

18 AUG 1930

Date of writing Report 30th July 1930 When handed in at Local Office 30th July 1930 Port of Montreal
 No. in Survey held at Sorel, P.Q. Date, First Survey 6th May Last Survey 27th July 1930
 Reg. Book. on the Tow Barge "Redchief." (Number of Visits 8) Gross 1723.03 Tons Net 1526.43
 Master Built at Montreal, P.Q. By whom built Canadian Tickers L^d When built 1930
 Boilers made at Sorel, P.Q. By whom made Sorel Mechanical Shops L^d When made 1930
 Owners Tow Barge Line L^d Port belonging to Sorel, P.Q.

VERTICAL DONKEY BOILER— No. 6 Description Upright Dry tubes Manufacturers of steel Lukens Steel
 Made at Sorel, P.Q. By whom made Sorel Mechanical Shops L^d When made 1930 Where fixed Aft end of vessel Working pressure 125 lbs
 tested by hydraulic pressure to 250 Date of test 3.6.30 No. of Certificate 86 Fire grate area 21 sq ft Description of safety valves Spring loaded
 No. of safety valves 2 Area of each 6.283 Pressure to which they are adjusted 120 lbs If fitted with easing gear No If steam from main boilers can enter the donkey boiler ✓ Dia. of donkey boiler 6' 0" Length 11' 6" Material of shell plates Steel Thickness $\frac{17}{32}$ " Range of tensile strength 28 & 32 Descrip. of riveting long. seams Treble with lap Dia. of rivet holes $\frac{15}{16}$ " Whether punched or drilled Drilled Pitch of rivets $3\frac{13}{16}$ "
 Lap of plating $6\frac{1}{4}$ " Per centage of strength of joint Rivets 100% Plates 71% Working pressure of shell by rules 148.5 lbs Thickness of shell crown plates $\frac{7}{16}$ "
 Radius of do. Flat No. of Stays to do. 26 Dia. of stays $3\frac{1}{8}$ " Diameter of furnace Top 5' 2" Bottom 5' 2" Length of furnace 3' 8 $\frac{1}{2}$ "
 Thickness of furnace plates $\frac{1}{2}$ " Description of joint Single with lap Working pressure of furnace by rules 154 lbs Thickness of furnace crown plates $\frac{17}{32}$ " Radius of do. Flat Stayed by $1\frac{1}{8}$ " dia Diameter of uptake ✓ Thickness of uptake plates ✓
 Thickness of water tubes ✓ screwed stays

The foregoing is a correct description,
SOREL MECHANICAL SHOPS CO. LIMITED

Manufacturer.

Dates of Survey while building
 During progress of work in shops— May 6. 29. June 3. 16. 24. 28. July 7.
 During erection on board vessel— 21. 27.
 Total No. of visits 9.

Is the approved plan of boiler forwarded herewith No
 Duplicate of Range "Redhead" Rpt. #3226

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

The Boiler of this vessel has been constructed under special survey in accordance with the approved plans and the Rules of this Society; the materials and workmanship are good. The boiler and the steam pipes have been tested as above by hydraulic pressure and found sound and tight.

The safety valves have been adjusted under steam and tested for accumulation which did not exceed 5%.

In my opinion the vessel is eligible for the record D.B. 7.30.

+ D.B. 7.30. 125 lb.

26/8/30
 J.A.R.

Survey Fee ... £ 45.00
 Travelling Expenses (if any) £ 2.00

When applied for, 30th July 1930
 When received, 15. 11. 1930

Geo. Allan
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUE. 26 AUG 1930

Assigned

+ D.B. 7.30 - 125 lb.

Lloyd's Register
 Foundation

012142-012147-0150