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REPORT ON BOILERS.

No. 39647.

Received at London Office WED. FEB. 18. 1920
 Date of writing Report 16th July 20. When handed in at Local Office 16.2.20 Port of Glasgow
 Date, First Survey 20-6-19. Last Survey 13th Feb 1920
 No. in Reg. Book. Survey held at Annan.
 on the Donkey Boiler No 8106. S.S. TIDAL.
 Master Built at Lowestoft By whom built Messrs. Colby Bros. Ltd. When built 1921
 Boilers made at Annan. By whom made Cochran & Co. Annan Ltd. When made 1920
 Owners Port belonging to

VERTICAL DONKEY BOILER— No. 8106 Description Cochran Manufacturers of steel Stewarts & Lloyd
 Made at Annan By whom made Cochran & Co. When made 1920. Where fixed Stowhold Working pressure 100
 tested by hydraulic pressure to 200 Date of test 13/2/20 No. of Certificate 5093 Fire grate area 125 sq ft Description of safety valves Spring loaded
 No. of safety valves One Area of each 7.068 Pressure to which they are adjusted 100 If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No Dia. of donkey boiler 5' 0" Length 11' 3" Material of shell plates S. Thickness 3/32 Range of tensile 2425 lbs
 strength 28/32 Descrip. of riveting long. seams Lap. S. R. Dia. of rivet holes 25/32 Whether punched or drilled drilled Pitch of rivets 26/27
 Lap of plating 37/8 Per centage of strength of joint Rivets 76.8 Working pressure of shell by rules 104 Thickness of shell crown plates 1/16 3/8
 Radius of do. 30 ins No. of Stays to do. four Dia. of stays 1 1/2 Diameter of furnace Top Radius Bottom 51 ins Length of furnace 35 1/2 ins
 Thickness of furnace plates 1/2 1/16 Description of joint Riveted Ring Working pressure of furnace by rules 100 Thickness of furnace crown plates 1/2 Radius of do. 25 1/2 ins Stayed by Hemisphere Diameter of uptake 13 x 19 1/2 Thickness of uptake plates 1/2
 Thickness of tubes plates 1/2 1/16 B. 7/32
 The foregoing is a correct description,
 For COCHRAN & CO., ANNAN, LIMITED Manufacturer.
 J. H. H. H.

Dates of Survey { During progress of work in shops - 1919. June 20.27. July 4.11. Aug 8.15.
 while { During erection on board vessel - Sept 12.18. Nov 14.21 Dec 19.
 building { Total No. of visits 1920. Jan 16.22. Feb 6.13.
 15. Feb 1921. Mar 9.14.16.23 (4)
 Drawing No 8918
 Is the approved plan of boiler forwarded herewith Yes

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

The boiler has been built under special Survey.
 The workmanship & materials are good.
 The boiler is to the order of Messrs McColl & Collock Sunderland.

Survey request form

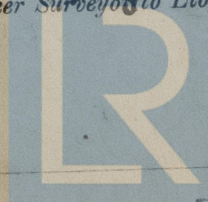
No. 1633 attached

SUNDERLAND. This donkey boiler has been satisfactorily fixed in the vessel and its safety valve adjusted under. Least distance between boiler & bunkers 18"

Survey Fee ... £ 2 : 2 : } When applied for, 19
 Travelling Expenses (if any) £ : : } When received, 19

Peter M. Gregor & Ed. W. Hutton
 Engineer Surveyors to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 14 FEB 1920 TUE. MAY. 23 1921
 Assigned TRANSMIT TO LONDON 1920



Lloyd's Register of Shipping
 W 717-0097