

REPORT ON BOILERS.

No. 12108

Received at London Office

THU. 21. 1918

Date of writing Report 31st Aug. 1918 When handed in at Local Office 3rd Sept. 1918 Port of Aberdeen
 No. in Survey held at Aberdeen Date, First Survey 29th January Last Survey 17th Aug. 1918
 Reg. Book. on the Boiler No. 919 for Admiralty Dipkin "FLICKER" (Number of Visits 15) Gross 95.86 Net 35.93 Tons
 Master Built at Aberdeen By whom built A. Hall & Co. Ed. No. 553 When built 1918
 Engines made at Aberdeen By whom made A. Hall & Co. Ed. No. 248 when made 1918
 Boilers made at Aberdeen By whom made J. Abernethy & Co. Ed. No. 919 when made 1918
 Indicated Horse Power 43 Owners Admiralty Port belonging to

TITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel The Steel Co. of Scotland
 for record E S Total Heating Surface of Boilers 814 Is forced draft fitted no No. and Description of
1 single ended marine Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 17-8-18
 Certificate 946 Can each boiler be worked separately ✓ Area of fire grate in each boiler 30.5 No. and Description of
 valves to each boiler Two spring loaded Area of each valve 3.97 Pressure to which they are adjusted ✓
 fitted with easing gear ✓ In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓
 distance between boilers or uptakes and bunkers or woodwork ✓ inside dia. of boilers 10-0 Length 9-6
 of shell plates S Thickness 27/32 Range of tensile strength 28-32 kns Are the shell plates welded or flanged no
 of riveting: cir. seams D.R.D.B.P. long. seams T.R.D.B.S. Diameter of rivet holes in long. seams 15/16 Pitch of rivets 7
 plates or width of butt straps 13 3/4 Per centages of strength of longitudinal joint 86.9 Working pressure of shell by
182 Size of manhole in shell 16"x12" Size of compensating ring 6"x27/32" No. and Description of Furnaces in each
2 plain Material S Outside diameter 38" Length of plain part 72 1/2" Thickness of plates 7/16
 tion of longitudinal joint weld No. of strengthening rings 1 on bottom Working pressure of furnace by the rules 184.4 Combustion chamber
 Material S Thickness: Sides 9/16 Back 9/16 Top 9/16 Bottom 9/16 Pitch of stays to ditto: Sides 8 7/8 Back 8 7/8
17" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 182 Material of stays S Diameter at
 part 1-5" Area supported by each stay 60" Working pressure by rules 200 End plates in steam space: Material S Thickness 7/8
 stays 1 1/4" x 1 1/4" How are stays secured DN+W Working pressure by rules 185 Material of stays S Diameter at smallest part 3 1/2"
 supported by each stay 196" Working pressure by rules 182 Material of Front plates at bottom S Thickness 7/8 Material of
 back plate S Thickness 7/8 Greatest pitch of stays 13 1/4" Working pressure of plate by rules 230 Diameter of tubes 3 1/4"
 of tubes 4 3/8" x 4 1/4" Material of tube plates S Thickness: Front 7/8 Back 7/8 Mean pitch of stays 11 1/2" Pitch across wide
 spaces 13 1/4" Working pressures by rules 280 Girders to Chamber tops: Material S Depth and thickness of
 at centre 2 plates 8 3/8" x 9 1/8" Length as per rule 2-4 1/4" Distance apart 7" Number and pitch of Stays in each 2 of 8"
 g pressure by rules 191 Superheater or Steam chest: how connected to boiler None Can the superheater be shut off and the boiler worked
 ily 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
 ned with rings Distance between rings Working pressure by rules End plates: Thickness How stayed
 g pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

The foregoing is a correct description,
JAMES ABERNETHY & COMPANY LIMITED.
 Manufacturer.

J. Abernethy
 MANAGING DIRECTOR

During progress of work in shops - - - 1918 Jan 29-Feb 12-21-27 April 4-11 May 16-21-27 Is the approved plan of boiler forwarded herewith MANAGING DIRECTOR
 During erection on board vessel - - - June 4-19-30 July 19-30 Aug. 17 Total No. of visits 15

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been constructed special survey and in accordance with the Rules and approved plan. materials and workmanship are good and on completion the boiler was tested by hyd. press. found strong and for purposes of identification stamped as under. As the boiler has now been fitted in the unclassified named ship, it is submitted no further action is necessary.

Survey Fee ... £ 4 : 10 : When applied for, 4-9-1918
 Travelling Expenses (if any) £ : : When received, 2-10-1918

Marine Boiler
 No. 946
 LLOYD'S TEST
 36015
 17-8-18-W.V.

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

Committee's Minute
 Assigned not for classing
Committee

