

REPORT ON BOILERS.

No. 34033

WED. MAY 27. 1914
WED. JUL. 29. 1914

Received at London Office **GLASGOW**

When handed in at Local Office 22. 5. 1914 Port of **GLASGOW**

No. in Survey held at **Glasgow** Date, First Survey 29. 12. 13. Last Survey 11. 5. 1914

on the **S. S. Wrestler** (Number of Visits 16) Tons } Gross 192
Net

Built at **Bouling** By whom built **Scott & Sons (255)** When built 1914

Engines made at **Glasgow** By whom made **Aitken & Blair 89** When made 1914

Boilers made at **ditto** By whom made **Dunsmuir & Jackson L^d (325)** When made 1914

Registered Horse Power **109** Owners **Steel & Bennie L^d** Port belonging to **Glasgow**

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel **James Dewloph & Co. Ltd. Glasgow**

Total Heating Surface of Boilers **22037** Is forced draft fitted **No** No. and Description of Boilers **one Single Ended** Working Pressure **120** Tested by hydraulic pressure to **240** Date of test **11-5-14**

of Certificate **12409** Can each boiler be worked separately **Area of fire grate in each boiler 62.73** No. and Description of valves to each boiler **Area of each valve Pressure to which they are adjusted**

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 15-07/8 Length 11-6**

Material of shell plates **S Thickness 7/8 Range of tensile strength 28/32 Are the shell plates welded or flanged**

Direction of riveting: cir. seams **DR long. seams TRIPBS Diameter of rivet holes in long. seams 11/16 Pitch of rivets 63/4**

Thickness of plates or width of butt straps **1-5 Per centages of strength of longitudinal joint rivets 89.29 plate 84.2 6 Working pressure of shell by rules 123**

Size of manhole in shell **16x12 Size of compensating ring 30x12 No. and Description of Furnaces in each boiler 3 plain Material S Outside diameter 3.11/16 Length of plain part top 7.0 bottom 4.6 Thickness of plates crown 23/32 bottom 13/32**

Description of longitudinal joint **weld No. of strengthening rings Working pressure of furnace by the rules 125 Combustion chamber material S Thickness: Sides 9/16 Back 9/16 Top 9/16 Bottom 7/8 Pitch of stays to ditto: Sides 9x93/4 Back 97/8x813/16**

If stays are fitted with nuts or riveted heads **Hub Working pressure by rules 129 Material of stays S Area at smallest part 1.475 Area supported by each stay 87 Working pressure by rules 135 End plates in steam space: Material S Thickness 1**

How are stays secured **Hub Working pressure by rules 136 Material of stays S Area Diameter at smallest part 4.3**

Area supported by each stay **344 Working pressure by rules 129 Material of Front plates at bottom S Thickness 27/32 Material of front back plate S Thickness 3/4 Greatest pitch of stays 16x8 13/16 Working pressure of plate by rules 135 Diameter of tubes 3/4**

Material of tube plates **S Thickness: Front 27/32 Back 23/32 Mean pitch of stays 11/4 Pitch across wide spaces 14 1/4 Working pressures by rules 138 Girders to Chamber tops: Material Iron Depth and thickness of girder at centre 9x7/8(2) Length as per rule 3.0 23/32 Distance apart 93/4 Number and pitch of Stays in each 3 at 9**

Working pressure by rules **131 Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked**

Materially **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**

Reinforced 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**

DUNSMUIR & JACKSON, Limited.
The foregoing is a correct description,
James Dewloph Director. Manufacturer.

1367 attached

During progress of work in shops -- 1913 Dec. 29. 1914 Jan 17. 19. 28. 30. Is the approved plan of boiler forwarded herewith **Yes**

During erection on board vessel --- Feb 12. 25. Mar 3. 5. 17. 31. Apr 8. 24. 29. Total No. of visits **16.**

May 4. 11.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) **This Boiler has been built under Special Survey in accordance with the approved Rules & the workmanship & material are of good quality in Boiler will be fitted on board in Glasgow**

Survey Fee ... £ **7-6** : : When applied for, **25/57** 1914 **4**

Travelling Expenses (if any) £ : : When received, **27.5** 1914 **4**

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

Committee's Minute **GLASGOW 26 MAY. 1914**

Transmitted TRANSMIT TO LONDON **GLASGOW 28 JUL. 1914**

See minute on Glasgow Report No. 34231

Lloyd's Register Foundation

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