

REPORT ON BOILERS.

No. 38958.

THU. 7 AUG. 1919

Received at London Office

Writing Report 18.7.1919 When handed in at Local Office 31.7.1919 Port of Glasgow
 Survey held at Glasgow Date, First Survey 24.4.15. Last Survey 14 July 1919
 (Number of Visits) Gross 1464
 on the S.S. "Killarney" Tons Net 610.
 Built at Glasgow By whom built A. & J. Inglis Ltd (311) When built 1919
 Made at Glasgow By whom made A. & J. Inglis Ltd (423) When made 1919
 Made at Glasgow By whom made A. & J. Inglis Ltd (254) When made 1919
 Owners City of Cork Steam Packet Co. Ltd Port belonging to London
 Rated Horse Power

LTITUBULAR BOILERS ~~MAIN AUXILIARY ON DONKEY.~~ Manufacturers of Steel Glasgow Iron & Steel Co. Ltd.
 for record S Total Heating Surface of Boilers 232 Is forced draft fitted No No. and Description of
One oval marine multibore Working Pressure 90 lb/sq in Tested by hydraulic pressure to 180 lb/sq in Date of test 29.3.19
 Certificate 14674 Can each boiler be worked separately L Area of fire grate in each boiler 14.5 No. and Description of
 valves to each boiler 2 Spring loaded Area of each valve 4.9 Pressure to which they are adjusted 90
 they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No
 least distance between boilers or uptakes and bunkers or woodwork 13" Mean dia. of boilers 5'-9" x 11'-6" Length 5'-4 1/2"
 Material of shell plates S Thickness 3/4" Range of tensile strength 28/32 Are the shell plates welded or flanged No
 Rip. of riveting: cir. seams Double long. seams Double (Lap) Diameter of rivet holes in long. seams 1" Pitch of rivets 3"
 of plates or width of butt straps 4 3/4" Per centages of strength of longitudinal joint plate 66.4 Working pressure of shell by
154 Size of manhole in shell 16" x 12" Size of compensating ring 6" x 3/4" No. and Description of Furnaces in each
one plain Material S Outside diameter 4'-0" Length of plain part 3'-2" Thickness of plates crown 9/16"
 Description of longitudinal joint Welded No. of strengthening rings 1 Working pressure of furnace by the rules 118 lb/sq in Combustion chamber
 Material S Thickness: Sides 1/2" Back 1/2" Top 1/2" Bottom 9/16" Pitch of stays to ditto: Sides 8 1/2" Back 8 1/2"
9 1/2" If stays are fitted with nuts or riveted heads Yes Working pressure by rules 103 lb/sq in Material of stays S Area
 least part 1'-6" Area supported by each stay 1/4 Working pressure by rules 114 lb/sq in End plates in steam space: Material S Thickness 3/4"
 of stays 1'-9" x 1'-8" How are stays secured Double Working pressure by rules 97 lb/sq in Material of stays Iron Diameter at smallest part 6.23
 supported by each stay 420 Working pressure by rules 90 lb/sq in Material of Front plates at bottom S Thickness 3/4" Material of
 over back plate S Thickness 3/4" Greatest pitch of stays 8 3/4" Working pressure of plate by rules 114 lb/sq in Diameter of tubes 2"
 of tubes 3 1/4" Material of tube plates S Thickness: Front 3/4" Back 9/16" Mean pitch of stays 8 3/8" Pitch across wide
 ber spaces 1 Working pressures by rules 1 Girders to Chamber tops: Material Iron Depth and thickness of
 der at centre 4" x 8(2) Length as per rule 1'-6" Distance apart 9 1/2" Number and pitch of Stays in each one stay
 working pressure by rules 124 lb/sq in Superheater or Steam chest: how connected to boiler 1 Can the superheater be shut off and the boiler worked
 separately 1 Diameter 1 Length 1 Thickness of shell plates 1 Material 1 Description of longitudinal joint 1 Diam. of rivet
 es 1 Pitch of rivets 1 Working pressure of shell by rules 1 Diameter of flue 1 Material of flue plates 1 Thickness 1
 stiffened with rings 1 Distance between rings 1 Working pressure by rules 1 End plates: Thickness 1 How stayed 1
 working pressure of end plates 1 Area of safety valves to superheater 1 Are they fitted with easing gear 1

The foregoing is a correct description,

A. & J. INGLIS LIMITED.

Manufacturers.

Is the approved plan of boiler forwarded herewith Yes

Total No. of visits

Dates During progress of work in shops - -
 while During erection on board vessel - - -

See accompanying
 Machinery Report.

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

This boiler has been built under Special Survey. The workmanship and materials are good.
 The boiler has been fitted on board and tried under steam satisfactorily.

Survey Fee Chas. & Michy. When applied for, 191.
 Travelling Expenses (if any) £ 1 When received, 191.

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

Committee's Minute GLASGOW 6 AUG 1919

Assigned See accompanying machinery report.



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