

REPORT ON BOILERS.

No. 17647

Received at London Office

WED. MAY. 19 1920

Date of writing Report 8 May 1920 When handed in at Local Office

14/5/1920 Port of Greenock

No. in Survey held at Greenock

Date, First Survey 4 March 1920. Last Survey 13 May 1920

(Number of Visits 16.) Gross

Reg. Book.

on the Steel Steamer "Evelyn".

20 tons 15 Tons

Master Built at Ardrossan By whom built Ardrossan & Co Ltd (3/5) When built 1920

Engines made at Clydebank By whom made Aitchison Blair Ltd (124) When made 1920

Boilers made at Greenock By whom made John S Kincaid & Co Ltd When made 1920

Registered Horse Power

Owners

Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel John S Kincaid & Co Ltd

Letter for record S Total Heating Surface of Boilers 1610 sq ft Is forced draft fitted No. and Description of

Boilers One single ended Working Pressure 180 lb Tested by hydraulic pressure to 260 lb Date of test 7/5/20

No. of Certificate 1453 Can each boiler be worked separately Area of fire grate in each boiler 51.18 No. and Description of

safety valves to each boiler Area of each valve Pressure to which they are adjusted

Are 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 13.9 Length 10.6

Material of shell plates steel Thickness 1 1/8 Range of tensile strength 28-32 Are the shell plates welded or flanged

Descrip. of riveting: str. seams all in lap long. seams all lap steel Diameter of rivet holes in long. seams 1 1/4 Pitch of rivets 8 1/2

Cap of plates or width of butt straps 17 9/16 Per centages of strength of longitudinal joint rivets 87.38 Working pressure of shell by plate 85.82

Rules 183 lb Size of manhole in shell 16 1/2 12 Size of compensating ring flanged 1 1/8 No. and Description of Furnaces in each

Boiler 3 Brighton Material steel Outside diameter 43 7/8 Length of plain part top Thickness of plates crown 1 7/32 bottom

Description of longitudinal joint welded No. of strengthening rings 4 Working pressure of furnace by the rules 185 lb Combustion chamber

plates: Material steel Thickness: Sides 2 1/32 Back 10/16 Top 2 1/32 Bottom 2 1/32 Pitch of stays to ditto: Sides 9 1/4 8 1/4 Back 9 1/4 8 1/4

Top 9 1/4 8 1/4 If stays are fitted with nuts or riveted heads steel Working pressure by rules 180 lb Material of stays steel Diameter at

smallest part 1.79 Area supported by each stay 85.5 Working pressure by rules 185 lb End plates in steam space: Material steel Thickness 1 1/8

Pitch of stays 18 How are stays secured all nut Working pressure by rules 185 lb Material of stays steel Diameter at smallest part 5.79

Area supported by each stay 32.4 Working pressure by rules 186 lb Material of Front plates at bottom steel Thickness 1 Material of

lower back plate steel Thickness 1 1/8 Greatest pitch of stays 13 Working pressure of plate by rules 192 lb Diameter of tubes 3 1/4

Pitch of tubes 4 1/2 4 1/2 Material of tube plates steel Thickness: Front 1 Back 12/16 Mean pitch of stays 9 1/4 8 1/4 Pitch across wide

water spaces 1 1/4 Working pressures by rules 182 lb Girders to Chamber tops: Material steel Depth and thickness of

girder at centre 8 1/2 1 1/4 Length as per rule 31.65 Distance apart 8 1/4 Number and pitch of Stays in each 4 9 1/4

Working pressure by rules 185 lb Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked

separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

plates Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

if stiffened 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

The foregoing is a correct description,

FOR JOHN G. KINCAID & COY. LIMITED

Manufacturer.

Dates During progress of 1920. Mar. 4. 8. 10. 17. 22. 26. 30. Apr. 2. 7. 13. 19. Is the approved plan of boiler forwarded herewith Ys
of Survey while During erection on 28. May 4. 5. 7. 13. Total No. of visits 16.
building board vessel - - -

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

This main boiler has been constructed under special survey in accordance with the approved Anti-Frust

Survey Fee ... £ 5 : 7 : When applied for, 15/5/1920

Travelling Expenses (if any) £ : : When received, 9.7.1920.

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

Committee's Minute

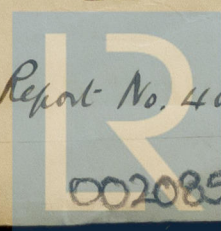
GLASGOW

18 MAY 1920

Assigned

TRANSMIT TO LONDON

See Glasgow Report No. 40301



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