

REPORT ON BOILERS.

No. 18664

Received at London Office

16 MAR 1927

Date of writing Report 11-3-1927 When handed in at Local Office 11-3-1927 Port of Greenock.

No. in Survey held at Port Glasgow. Date, First Survey 22nd December, 1925 Last Survey 9th March 1927.

Reg. Book. on the Twin Screw Hopper Barge "PIEL" (Number of Visits 40) Tons } Gross 1231
Net 1178.

Master Built at Port Glasgow By whom built Ferguson Bros (Pt Glasgow) Ltd When built 1924

Engines made at Port Glasgow By whom made Ferguson Bros (Pt Glasgow) Ltd When made 1924

Boilers made at Hebburn on Tyne By whom made Palmer's Ltd When made 1924

Registered Horse Power 141. Owners L.M. & S Railway Co. Ltd Port belonging to London.

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

(Letter for record) Total Heating Surface of Boilers Is forced draft fitted No No. and Description of

Boilers 2 S.B. Working Pressure 180 Tested by hydraulic pressure to Date of test

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

safety valves to each boiler 2 DIRECT SPRING Area of each valve 2 3/4" Pressure to which they are adjusted 185 LBS

Are they fitted with easing gear YES In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler NONE

Smallest distance between boilers or uptakes and bunkers or woodwork 4 1/2" Mean dia. of boilers Length

Material of shell plates Thickness Range of tensile strength Are the shell plates welded or flanged

Descrip. of riveting: cir. seams long. seams Diameter of rivet holes in long. seams Pitch of rivets

Lap of plates or width of butt straps Per centages of strength of longitudinal joint Working pressure of shell by

rules Size of manhole in shell Size of compensating ring No. and Description of Furnaces in each

boiler Material Outside diameter Length of plain part Thickness of plates

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

plates: Material Thickness: Sides Back Top Bottom Pitch of stays to ditto: Sides Back

Top If stays are fitted with nuts or riveted heads Working pressure by rules Material of stays Area at

smallest part Area supported by each stay Working pressure by rules End plates in steam space: Material Thickness

Pitch of stays How are stays secured Working pressure by rules Material of stays Area at smallest part

Area supported by each stay Working pressure by rules Material of Front plates at bottom Thickness Material of

Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules Diameter of tubes

Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide

water spaces Working pressures by rules Girders to Chamber tops: Material Depth and thickness of

girder at centre Length as per rule Distance apart Number and pitch of Stays in each

Working pressure by rules Steam dome: description of joint to shell NONE % of strength of joint

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

Pitch of rivets Working pressure of shell by rules Crown plates Thickness How stayed

SUPERHEATER. Type NONE Date of Approval of Plan Tested by Hydraulic Pressure to

Date of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

The foregoing is a correct description,

Manufacturer.

Dates of Survey } During progress of } work in shops -- } Is the approved plan of boiler forwarded herewith

while building } During erection on } board vessel --- } See Machinery report. Total No. of visits

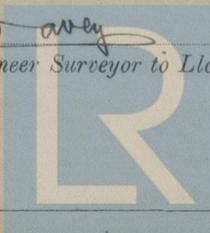
GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been
recently fitted on board the vessel, and the safety valves adjusted
under steam as stated.

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

Committee's Minute GLASGOW 15 MAR 1927

Assigned See accompanying mach^y report

J. D. Gray
Engineer Surveyor to Lloyd's Register of Shipping.



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