

REPORT ON BOILERS.

No. 17943

Received at London Office

REC'D JAN. 17 1922

of writing Report 29/12/21 1921 When handed in at Local Office 5/1/22 1922 Port of GreenockSurvey held at GreenockDate, First Survey 17th Dec. 1920. Last Survey 20th Dec. 1921

Book.

(Number of Visits 23)

Gross

Net

on the

St. River Ely

ster

Built at MontroseBy whom built James & Montrose S.B. & Co. Ltd. When builtEngines made at CoatbridgeBy whom made W. Beardmore & Co. Eng. 581.

When made 1921

Boilers made at GreenockBy whom made John S. Kincaid & Co. Ltd.

When made 1921

Registered Horse Power

Owners Lowlynn Monte & Piers Ltd.Port belonging to CardiffULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Fort Talbot S.S.C. GlasgowLetter for record S Total Heating Surface of Boilers 2102 sq ft Is forced draft fitted no No. and Description ofBoilers One Single Ended Working Pressure 180 lb Tested by hydraulic pressure to 320 lb Date of test 29/12/21No. of Certificate 1595 Can each boiler be worked separately Area of fire grate in each boiler 59 sq ft No. and Description ofSafety valves to each boiler Two Spring Area of each valve 5.9 sq in Pressure to which they are adjusted 160 lb sq inAre they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boilerSmallest distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers 14.9 in Length 10.6 inMaterial of shell plates Steel Thickness 1 1/16 in Range of tensile strength 28-32 Are the shell plates welded or flanged —Descrip. of riveting: seams all on top long. seams all on top Diameter of rivet holes in long. seams 1 1/4 in Pitch of rivets 8 1/2 inGap of plates or width of butt straps 18 1/8 in Per centages of strength of longitudinal joint 87.72 Working pressure of shell byRules 181 lb Size of manhole in shell 16 in 12 in Size of compensating ring Hanged 1 1/16 in No. and Description of Furnaces in eachBoiler Three Furnaces Material Steel Outside diameter 47 1/4 in Length of plain part top 1 1/16 in Thickness of plates bottom 9/16 inDescription of longitudinal joint Welded No. of strengthening rings One Working pressure of furnace by the rules 186 lb Combustion chamberPlates: Material Steel Thickness: Sides 1 1/16 in Back 2 1/32 in Top 1 1/16 in Bottom 1 1/16 in Pitch of stays to ditto: Sides 9 1/2 in Back 9 1/2 inTop 9 1/2 in If stays are fitted with nuts or riveted heads Steel Working pressure by rules 180 lb Material of stays Steel Diameter atSmallest part 1.79 in Area supported by each stay 82 sq in Working pressure by rules 197 lb End plates in steam space: Material Steel Thickness 1 1/4 inPitch of stays 21 in 19 1/2 in How are stays secured all nut Working pressure by rules 180 lb Material of stays Steel Diameter at smallest part 7.5 inArea supported by each stay 410 sq in Working pressure by rules 190 lb Material of Front plates at bottom Steel Thickness 1 1/32 in Material ofLower back plate Steel Thickness 1 1/16 in Greatest pitch of stays 13 1/2 in Working pressure of plate by rules 180 lb Diameter of tubes 8 1/4 inPitch of tubes 4 1/2 in Material of tube plates Steel Thickness: Front 1 1/32 in Back 2 1/32 in Mean pitch of stays 10 1/8 in Pitch across wideWater spaces 14 1/4 in Working pressures by rules 187 lb Girders to Chamber tops: Material Steel Depth and thickness ofGirder at centre 9 in 1 1/4 in Length as per rule 30 1/8 in Distance apart 9 1/2 in Number and pitch of Stays in each two 9 1/2 inWorking pressure by rules 182 lb Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler workedseparately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivetholes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates ThicknessIf stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayedWorking pressure of end plates Area of safety valves to superheater Are they fitted with easing gearThe foregoing is a correct description,
FOR JOHN G. KINCAID & COY., LIMITED.
Robert Green Manufacturer.

Request. B. 41. attached.

Dates of Survey During progress of 1920. Dec. 17. 23. 25. 1921. Jan. 21. 25. 28. Feb. 8-10. Oct. 25. 29.
while building During erection on board vessel - - -
Mar. 1-2. 8-10. 17. 23. 25. 30. Dec. 2. 7. 9. 15. 20.

Is the approved plan of boiler forwarded herewith

Secretary Yes

Total No. of visits 23

Returned for 12/1/22

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

This main boiler has been constructed under special survey
tested by hydraulic pressure and found good.
This boiler has been satisfactorily fitted and its safety valves adjusted under steam
Please see under Report 8/367, sent herewith, for particulars. John Kincaid

Survey Fee ... £ 14 : 0 : When applied for, 6/11/1921

Travelling Expenses (if any) £ : : When received, 23/1/22

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

Committee's Minute

GLASGOW

10 JAN 1922

FRI. 26 MAY. 1922

Assigned

TRANSMIT TO LONDON

Lloyd's Register
Foundation

003567-003571-0262