

REPORT ON BOILERS.

No. 18864

Received at London Office APR 1928

Date of writing Report 24/2/27 When handed in at Local Office 29/3/28 Port of Greenock
 No. in Survey held at Greenock Date, First Survey 15th February 1927 Last Survey 29/3/1928
 Reg. Book. 4033 on the M/r "British Courage" (Number of Visits 1) Gross Tons 29 Net Tons 18
 Master Pl. Glasgow By whom built John & Kincaid & Co. Ltd When built 1928
 Engines made at Greenock By whom made John & Kincaid & Co. Ltd When made 1928
 Boilers made at ditto By whom made ditto When made 1928
 Registered Horse Power 11.18 Owners British Tanker Co. Ltd Port belonging to London

MULTITUBULAR BOILERS—~~MAIN~~, AUXILIARY ~~FOR STEAM~~—Manufacturers of Steel Guthrie & Co. Ltd GlasgowLetter for record S Total Heating Surface of Boilers 2478 Is forced draft fitted yes No. and Description ofboilers 2 Single Ended Working Pressure 150 Tested by hydraulic pressure to 245 Date of test 16.9.27No. of Certificate 1444 Can each boiler be worked separately yes Area of fire grate in each boiler yes No. and Description ofsafety valves to each boiler Double Spring Area of each valve 4.09 Pressure to which they are adjusted 155Are they fitted with easing gear yes 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 1-5 Mean dia. of boilers 11-6 Length 11-6Material of shell plates S Thickness 13/16 Range of tensile strength 28/32 Are the shell plates welded or flanged —Descrip. of riveting: cir. seams DR long. seams TR.D.B.S. Diameter of rivet holes in long. seams 7/8 Pitch of rivets 6 1/2Width of butt straps 1-1 1/4 Per centages of strength of longitudinal joint 87.6 Working pressure of shell byrules 154 Size of manhole in shell 1-3 1/2 Size of compensating ring 2 3/8 No. and Description of Furnaces in eachboiler 2 Bourgas Material S Outside diameter 3-6 1/4 Length of plain part 7 1/6 Thickness of plates 7 1/6Description of longitudinal joint weld No. of strengthening rings — Working pressure of furnace by the rules 160 Combustion chamberplates: Material S Thickness: Sides 5/8 Back 5/8 Top 5/8 Bottom 5/8 Pitch of stays to ditto: Sides 10 3/4 Back 9 3/4If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 153 Material of stays S Area atsmallest part 3 2/3 Area supported by each stay 8 3/4 Working pressure by rules 143 End plates in steam space: Material S Thickness 29/32Pitch of stays 1 1/2 How are stays secured DN Working pressure by rules 151 Material of stays S Area at smallest part 3 6/7Area supported by each stay 249.4 Working pressure by rules 156 Material of Front plates at bottom S Thickness 29/32 Material oflower back plate S Thickness 29/32 Greatest pitch of stays 13 3/4 Working pressure of plate by rules 164 Diameter of tubes 2 3/4Pitch of tubes 4+4 Material of tube plates S Thickness: Front 29/32 Back 1 1/6 Mean pitch of stays 10 Pitch across wideinter spaces 13 3/4 Working pressures by rules 154 Girders to Chamber tops: Material S Depth and thickness ofgirder at centre 8 1/2 Length as per rule 35.4 Distance apart 10 1/8 Number and pitch of Stays in each 3 at 8 3/4Working pressure by rules 155 Steam dome: description of joint to shell — % 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 — Date of Approval of Plan — Tested by Hydraulic Pressure to —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 —

FOR JOHN G. KINCAID & COY. LIMITED

The foregoing is a correct description,

McCarty

Manufacturer.

During progress of
 survey work in shops - -
 During erection on
 board vessel - - -

See Machinery ReportIs the approved plan of boiler forwarded herewith yesTotal No. of visits 1

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

These boilers have been built under Special Survey in accordance with the approved plans & the workmanship & material are of good quality. They are now securely fitted on board the ship. Accompanying trial of the Machinery.

Survey Fee ... £ ... When applied for, ... 19...

Travelling Expenses ... £ ... When received, ... 19...

Large on Machinery ReportW. Gordon Maclellan

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 3 - APR 1928

See accompanying mach. report