

REPORT ON BOILERS.

No. 39058

WED. 3-SEP. 1919

Date of writing Report *27 Aug 1919* When handed in at Local Office *28. 8. 1919* Port of *Glasgow*
 No. in Survey held at *Glasgow* Date, First Survey *19. 3. 19* Last Survey *27 Aug 1919*
 Reg. Book. on the *Marine Boiler designated No 3841. for export.* (Number of Visits *13*) Gross Tons }
 Net Tons }
 Master Built at By whom built When built
 Engines made at By whom made When made
 Boilers made at *Glasgow* By whom made *Muir & Findlay* When made *1919*
 Registered Horse Power Owners Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel *Dand Colville & Sons*

(Letter for record *87*) Total Heating Surface of Boilers *56529 ft* Is forced draft fitted ☒ No. and Description of Boilers *One Single Ended* Working Pressure *140* Tested by hydraulic pressure to *280* Date of test *12/8/19*
 No. of Certificate *14848* Can each boiler be worked separately *Yes* Area of fire grate in each boiler *18424 ft* No. and Description of safety valves to each boiler *two direct spring* Area of each valve *2-40* Pressure to which they are adjusted *245 lbs*
 Are 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 *out* dia. of boilers *8'-3"* Length *8'-8"*
 Material of shell plates *S* Thickness *5/8* Range of tensile strength *25/32* Are the shell plates welded or flanged *no*
 Descrip. of riveting: cir. seams *S.R. Lap* long. seams *5 Bulbs. 5 Rivet* Diameter of rivet holes in long. seams *9/16* Pitch of rivets *4 3/8*
 Lap of plates or width of butt straps *8 1/2* Per centages of strength of longitudinal joint *85* Working pressure of shell by rules *146* Size of manhole in shell *16" x 12"* Size of compensating ring *5 1/2 x 3 1/4* No. and Description of Furnaces in each boiler *one plain* Material *S* Outside diameter *45 ins* Length of plain part *69 ins* Thickness of plates *2 1/2*
 Description of longitudinal joint *held* No. of strengthening rings ☒ Working pressure of furnace by the rules *142* Combustion chamber plates: Material *S* Thickness: Sides *3/2* Back *2 1/2* Top *3/4* Bottom *7/8* Pitch of stays to ditto: Sides *7 1/2 x 11* Back *11 1/2 x 10 1/2*
 Top *none* If stays are fitted with nuts or riveted heads *nut* Working pressure by rules *154* Material of stays *rolled iron* Diameter at smallest part *2 1/2* Area supported by each stay *180 sq in* Working pressure by rules *151* End plates in steam space: Material *S* Thickness *3/4*
 Pitch of stays *14"* How are stays secured *Bulbs & Wash* Working pressure by rules *140* Material of stays *S* Diameter at smallest part *2 1/2* Area supported by each stay *1825 sq in* Working pressure by rules *140* Material of Front plates at bottom *S* Thickness *3/4* Material of Lower back plate *S* Thickness *3/4* Greatest pitch of stays *11 1/2 x 10 1/2* Working pressure of plate by rules *145* Diameter of tubes *3 1/2*
 Pitch of tubes *14 x 3 1/2* Material of tube plates *S* Thickness: Front *3/4* Back *3/4* Mean pitch of stays *11"* Pitch across wide water spaces *11"* Working pressures by rules *178* Girders to Chamber tops: Material *none* Depth and thickness of girder at centre Length as per rule Distance apart Number and pitch of Stays in each
 Working pressure by rules 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 holes 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,

Manufacturer.

Dates of Survey During progress of *1919. Mar 19. Apr 5-28. May 6-14-22-27* Is the approved plan of boiler forwarded herewith *Yes*
 while building During erection on board vessel *June 4-16-28-30. Aug 5-12.* Total No. of visits *13.*

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

The boiler has been built under special survey. The workmanship and materials are good. The boiler is to the order of Messrs. N. Sisson & Co. Gloucester.

Survey Fee *£ 2 : 2 :* When applied for, *191*
 Travelling Expenses (if any) *£ :* When received, *191*

MONTHLY ACCOUNT.

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

Committee's Minute

GLASGOW

-2 SEP. 1919

FRI. 5 OCT. 1919

Assigned

TRANSMIT TO LONDON

© 2019

Lloyd's Register Foundation

W123-0270