

REPORT ON BOILERS.

No. 17238.

Received at London Office WED. 16 JAN. 1918

Date of writing Report *31 Dec* 1917 When handed in at Local Office *Jan* 1917 Port of *Greenock*
 No. in Survey held at *Greenock* Date, First Survey *23rd August, 1916*, Last Survey *28th December, 1917*.
 Reg. Book. on the *Steel Steamer "Maksud"* (Number of Visits *123*) Tons ^{Gross} _{Net}
 Master Built at *Stirling* By whom built *James & Co* When built *19*
 Engines made at *Greenock* By whom made *John S Kincaid & Co* When made *191*
 Boilers made at *Greenock* By whom made *John S Kincaid & Co* When made *191*
 Registered Horse Power Owners *J. & J. Brocklebank, Ltd.* Port belonging to *Liverpool*

Kincaid & Co
Greenock

MULTITUBULAR BOILERS - MAIN, AUXILIARY OR DONKEY. Manufacturers of Steel *Stirling, J. & Co, Glasgow*

(Letter for record *2*) Total Heating Surface of Boilers *2559.32* Is forced draft fitted *Yes* No. and Description of

Boilers *One Single Ended* Working Pressure *200 lb* Tested by hydraulic pressure to *400 lb* Date of test *7/11/17*

No. of Certificate *1314* Can each boiler be worked separately *Yes* Area of fire grate in each boiler *59.2* No. and Description of

safety valves to each boiler *Two Spring* Area of each valve *4.91* Pressure to which they are adjusted *205 lb*

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 *24* Mean dia. of boilers *15.6* Length *12.0*

Material of shell plates *Steel* Thickness *1/4"* Range of tensile strength *28-32* Are the shell plates welded or flanged *-*

Descrip. of riveting: cir. seams *-* long. seams *Double* Diameter of rivet holes in long. seams *1 1/32"* Pitch of rivets *9 1/4"*

Lap of plates or width of butt straps *20 1/2"* Per centages of strength of longitudinal joint *86.16* Working pressure of shell by

rules *201 lb* Size of manhole in shell *16" x 12"* Size of compensating ring *Flanged 1 1/4"* No. and Description of Furnaces in each

boiler *3 Brighton* Material *Steel* Outside diameter *45 1/4"* Length of plain part *top* Thickness of plates *crown* *2 1/32"*

Description of longitudinal joint *Welded* No. of strengthening rings *Long* Working pressure of furnace by the rules *222 lb* Combustion chamber

plates: Material *Steel* Thickness: Sides *1 1/16"* Back *1 1/16"* Top *1 1/16"* Bottom *27/32"* Pitch of stays to ditto: Sides *9.9"* Back *9 1/2"*

Top *9.9"* If stays are fitted with nuts or riveted heads *None* Working pressure by rules *202 lb* Material of stays *Steel* Area at

smallest part *2.36* Area supported by each stay *81* Working pressure by rules *219 lb* End plates in steam space: Material *Steel* Thickness *1 1/32"*

Pitch of stays *2 1/4"* How are stays secured *Welded* Working pressure by rules *200 lb* Material of stays *Steel* Area at smallest part *9.82*

Area supported by each stay *467* Working pressure by rules *218 lb* Material of Front plates at bottom *Steel* Thickness *1 1/16"* Material of

Lower back plate *Steel* Thickness *1 1/16"* Greatest pitch of stays *14"* Working pressure of plate by rules *210 lb* Diameter of tubes *3"*

Pitch of tubes *4 1/8"* Material of tube plates *Steel* Thickness: Front *1 1/16"* Back *27/32"* Mean pitch of stays *8 1/2"* Pitch across wide

water spaces *14"* Working pressures by rules *207 lb* Girders to Chamber tops: Material *Steel* Depth and thickness of

girder at centre *11 1/2"* Length as per rule *40.46* Distance apart *9"* Number and pitch of Stays in each *Three 9"*

Working pressure by rules *200 lb* 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 *-*

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,
FOR JOHN G. KINCAID & COY., LIMITED.
Robert Green Manufacturer.

Dates of Survey *(1st Entry Machinery)* During progress of work in shops *-* Is the approved plan of boiler forwarded herewith *Secretary*

while building *-* During erection on board vessel *-* Total No. of visits *-*

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

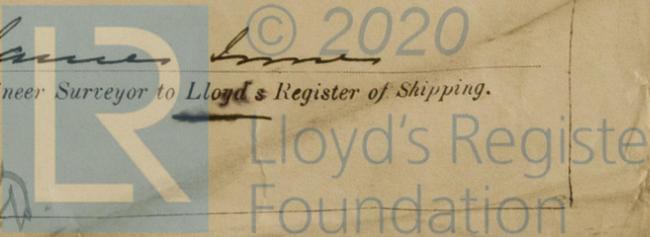
This main boiler has been constructed under special survey in accordance with the approved rules. Tested by hydraulic pressure and is efficiently fitted in place.

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

Committee's Minute **GLASGOW 15 JAN 1918**

Assigned *See accompanying machinery report.*

James Green
Engineer Surveyor to Lloyd's Register of Shipping.



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