

Received at London Office THU. SEP. 30 1920
 of writing Report 24. 9. 10 20 When handed in at Local Office 28. 9. 10 20 Port of Glasgow
 in Survey held at Glasgow Date, First Survey 3. 6. 19. Last Survey 14. 9. 1920
 Book. on the Single ended Boller SS "MANIPUR" (Number of Visits 56.)
 Tons { Gross 9242
 Net 5697
 Built at Port Glasgow By whom built Lethgous & Co
 When built 1920
 Lines made at Manchester By whom made Metropolitan Vickers & Co
 When made 1920
 ers made at Glasgow By whom made do Rowan & Co Ltd (No 713)
 When made 1920
 stered Horse Power 1113 Owners L & J Brocklebank Ltd
 Port belonging to Liverpool

LTITUBULAR BOILERS MAIN, AUXILIARY OR DONKEY. — Manufacturers of Steel *W. Beardmore & Co. Glasgow*

for record *7*) Total Heating Surface of Boilers *66804* Is forced draft fitted *no* No. and Description of

2 Single ended Working Pressure *200 lb* Tested by hydraulic pressure to *350 lb* Date of test *1-4-20*

of Certificate *15213* Can each boiler be worked separately *yes* Area of fire grate in each boiler *70 ft* No. and Description of

y valves to each boiler *2 Spring loaded* Area of each valve *7.070* Pressure to which they are adjusted *205 lb*

they fitted with easing gear *yes* In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler *—*

lest distance between boilers or uptakes and bunkers or woodwork *1-6"* Mean dia. of boilers *17-6"* Length *12-0"*

erial of shell plates *Steel* Thickness *7/16"* Range of tensile strength *30634 lb* Are the shell plates welded or flanged *no*

rip. of riveting: cir. seams *do L* long. seams *TR DBS* Diameter of rivet holes in long. seams *1 1/2"* Pitch of rivets *10 1/4"*

of plates or width of butt straps *22 1/4"* Per centages of strength of longitudinal joint rivets *88.2* plate *85.4* Working pressure of shell by

700 Size of manhole in shell *14 1/2" x 15 1/2"* Size of compensating ring *3-0 1/2" x 2-8 1/2"* No. and Description of Furnaces in each

4 Corrugated Material *Steel* Outside diameter *3-10 1/4"* Length of plain part *top* Thickness of plates *crown 5"*

ription of longitudinal joint *lock* No. of strengthening rings *—* Working pressure of furnace by the rules *217* Combustion chamber

Material *Steel* Thickness: Sides *23/32"* Back *21/32"* Top *23/32"* Bottom *7/8"* Pitch of stays to ditto: Sides *9 1/2" x 9 1/2"* Back *9 1/2" x 7 1/2"* *9 1/2" x 8"*

1 1/2" x 9 1/2" If stays are fitted with nuts or riveted heads *Nuts* Working pressure by rules *200* Material of stays *Iron* Area at

est part *2-07* Area supported by each stay *89* Working pressure by rules *202* End plates in steam space: Material *Steel* Thickness *1 1/2"*

of stays *18 1/2" x 18"* How are stays secured *do* Working pressure by rules *200* Material of stays *Steel* Area at smallest part *7-06*

supported by each stay *341* Working pressure by rules *210* Material of Front plates at bottom *Steel* Thickness *7/8"* Material of

back plate *Steel* Thickness *27/32"* Greatest pitch of stays *13 3/8"* Working pressure of plate by rules *201* Diameter of tubes *3"*

of tubes *4 1/2" x 4 1/2"* Material of tube plates *Steel* Thickness: Front *1"* Back *13/16"* Mean pitch of stays *10 1/2"* Pitch across wide

spaces *13 3/8"* Working pressures by rules *210* Girders to Chamber tops: Material *Steel* Depth and thickness of

at centre *11 1/2" x 7 1/2" (2)* Length as per rule *40 11/32"* Distance apart *9 3/4"* Number and pitch of Stays in each *(3) 9 1/2"*

ing pressure by rules *210* Steam dome: description of joint to shell *none* % of strength of joint

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

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

REHEATER. Type *none* Date of Approval of Plan Tested by Hydraulic Pressure to

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

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

The foregoing is a correct description.

The foregoing is a correct description,
 David Cowgill & Co. Manufacturer.
 Is the approved plan of boiler forwarded herewith Yes
 Total No. of visits

ERAL REMARKS

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

The boilers have been well fitted to the vessel

... ..	£	When applied for,	19...
... ..	£	When received,	19...

vittee's Minute

GLASGOW

29 SEP 1920

Engineer Surveyor to Lloyd's Register of Shipping.

See attached. Mach. Report.

Lloyd's Register
Foundation

453-0024

1453-0025