

REPORT ON BOILERS.

No. 42,209.

WED. AUG. 18 1920

Received at London Office

of grating Report 17 Aug 1920 When handed in at Local Office 17 Aug 1920 Port of Cardiff
 in Survey held at Cardiff Date, First Survey 21st July Last Survey 5th Aug 1920
 Book. 82 on the Steel S.S. Sile (Ex War Stead) (Number of Visits 6) Gross 6500
 Tons Net 4040
 er F. Duli Built at Chepstow By whom built Admiralty National Shipyard When built 1920
 nes made at Manchester By whom made British Westinghouse Co^o when made 1920
 made at Sunderland By whom made J. Dickenson & Sons Ltd when made 1920
 ured Horse Power Owners Har Generals Italiana Port belonging to Italy

L TUBULAR BOILERS ~~MAIN, AUXILIARY OR~~ DONKEY. — Manufacturers of Steel

for record \$) Total Heating Surface of Boilers 1172 ϕ Is forced draft fitted \checkmark No. and Description of
 rs 1 Cyl Mutt Single ended Working Pressure 120 lbs Tested by hydraulic pressure to 240 lbs Date of test 22-5-20
 Certificate \checkmark Can each boiler be worked separately \checkmark Area of fire grate in each boiler 32 ϕ No. and Description of
 valves to each boiler 2 Spring Loaded Area of each valve 4.91 \square Pressure to which they are adjusted 120 lbs ϕ
 they fitted with easing gear \checkmark In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler \checkmark
 est distance between boilers or uptakes and bunkers or woodwork \checkmark Mean dia. of boilers 11'-0" Length 11'-0"
 of shell plates Steel Thickness $\frac{1}{16}$ Range of tensile strength 28 to 32 tons Are the shell plates welded or flanged \checkmark
 of riveting: cir. seams L.D. long. seams S.B. straps DR Diameter of rivet holes in long. seams $\frac{15}{16}$ Pitch of rivets $4\frac{3}{4}$
 or width of butt straps 9 $\frac{7}{8}$ Per centages of strength of longitudinal joint rivets 80 Working pressure of shell by
 plate 95
 Size of manhole in shell 16 x 12 Size of compensating ring 7 $\frac{7}{8}$ x $\frac{1}{2}$ No. and Description of Furnaces in each
 plain Material Steel Outside diameter 38" Length of plain part top 6'-8" Thickness of plates crown $\frac{5}{8}$
 bottom 7'-3" bottom $\frac{7}{8}$
 of longitudinal joint 3B Strap 3R No. of strengthening rings None Working pressure of furnace by the rules 141 Combustion chamber
 material Steel Thickness: Sides $\frac{5}{8}$ Back $\frac{7}{8}$ Top $\frac{5}{8}$ Bottom $\frac{7}{8}$ Pitch of stays to ditto: Sides 9 x 10 $\frac{1}{2}$ Back 10 x 10
 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 135 Material of stays Steel Diameter at
 1-36 94.5 \square Area supported by each stay 100.0 \square Working pressure by rules 122 End plates in steam space: Material Steel Thickness $\frac{3}{4}$
 1-48
 ys 15 x 14 $\frac{1}{2}$ How are stays secured D.N.W. Working pressure by rules 122 Material of stays Steel Diameter at smallest part 1 $\frac{7}{8}$
 ted by each stay 217.5 ϕ Working pressure by rules 120 Material of Front plates at bottom Steel Thickness $\frac{13}{16}$ Material of
 plate Steel Thickness $\frac{1}{16}$ Greatest pitch of stays 12 $\frac{1}{2}$ x 10 Working pressure of plate by rules 126 Diameter of tubes 3 $\frac{1}{4}$
 s 4 $\frac{1}{2}$ x 4 $\frac{1}{2}$ Material of tube plates Steel Thickness: Front $\frac{13}{16}$ Back $\frac{11}{16}$ Mean pitch of stays 11 $\frac{1}{4}$ Pitch across wide
 14 Working pressures by rules 120 Girders to Chamber tops: Material Steel Depth and thickness of
 tre 2 x 6 $\frac{1}{2}$ x $\frac{7}{8}$ Length as per rule 2'-9 $\frac{3}{16}$ Distance apart 8 Number and pitch of Stays in each 2 x 10 $\frac{1}{2}$
 ssure by rules 130 Superheater or Steam chest: how connected to boiler \checkmark Can the superheater be shut off and the boiler worked
 \checkmark Diameter \checkmark Length \checkmark Thickness of shell plates \checkmark Material \checkmark Description of longitudinal joint \checkmark Diam. of rivet
 Pitch of rivets \checkmark Working pressure of shell by rules \checkmark Diameter of flue \checkmark Material of flue plates \checkmark Thickness \checkmark
 th rings \checkmark Distance between rings \checkmark Working pressure by rules \checkmark End plates: Thickness \checkmark How stayed \checkmark
 ssure of end plates \checkmark Area of safety valves to superheater \checkmark Are they fitted with easing gear \checkmark

The foregoing is a correct description,

Manufacturer.

ing progress of
rk in shops - -Is the ~~approved~~ plan of boiler forwarded herewith \checkmark Yes.ing erection on
rd vessel - -

Total No. of visits 6

L REMARKS

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

This boiler has been built
 the Supervision of the Surveyors to the British Corporation, the boiler
 ed B.C. TEST, R.M.I. No 3087, 240 lbs, 22-5-20. J.N.S. It has been fitted and
 in the turret decks, tested under steam, found satisfactory and is eligible in my
 to have the notation of D.B. 8-20 in the Register Book.

When applied for, 19
 Expenses (if any) £ : : When received, 19

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

e's Minute FRI. SEP. 10 1920

N. D. B. 8, 20

010012-010023-0106

Lloyd's Register
Foundation

New donkey boiler now fitted

It is submitted that
this vessel is eligible for
THE RECORD YDB 8.20
120th.

Jad.
9/9/20



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