

Received at London Office

10/7/41 14 AUG 1941

MULTITUBULAR BOILERS—MAIN, ~~AUXILIARY, OR DONKEY~~

002830- 002837- 0087

Working pressure by Rules ☒ Are the stays drilled at the outer ends ☒ No Margin stays: Diameter { At turned off part, 2" & 1 3/4" Over threads }
No. of threads per inch 9 Area supported by each stay ☒ Working pressure by Rules ☒
Tubes: Material Lat External diameter { Plain } 2 1/2" Thickness { 5/16" 3/8" 7/16" } No. of threads per inch 9
Pitch of tubes 4" x 3 5/8" Working pressure by Rules ☒ Manhole compensation: Size of opening in
shell plate 16 1/2" x 20 1/2" Section of compensating ring 18 3/8" x 1 3/4" No. of rivets and diameter of rivet holes 34 - 1 7/8"
Outer row rivet pitch at ends 10 1/2 Depth of flange if manhole flanged 3 1/4" Steam Dome: Material none
Tensile strength ☒ Thickness of shell ☒ Description of longitudinal joint ☒
Diameter of rivet holes ☒ Pitch of rivets ☒ Percentage of strength of joint { Plate ☒ Rivets ☒
Internal diameter ☒ Working pressure by Rules ☒ Thickness of crown ☒ No. and diameter of
stays ☒ Inner radius of crown ☒ Working pressure by Rules ☒
How connected to shell ☒ Size of doubling plate under dome ☒ Diameter of rivet holes and pitch
of rivets in outer row in dome connection to shell ☒

Type of Superheater Combustion Chamber Type Manufacturers of { Tubes Stewart + Lloyd Steel forgings " " Steel castings "
Supplied N.E. Mould (1938) Ltd.
Number of elements 36 Material of tubes S.D. Steel Internal diameter and thickness of tubes 1.273" x 7/16"
Material of headers S.D. Steel Tensile strength 26/28 lbs/sq. in. Thickness 1" Can the superheater be shut off and
the boiler be worked separately Yes Is a safety valve fitted to every part of the superheater which can be shut off from the boiler Yes
Area of each safety valve 3.1416 sq. in. Are the safety valves fitted with easing gear Yes Working pressure as per
Rules 220 LB/sq. in. Pressure to which the safety valves are adjusted 220 lbs/sq. in. Hydraulic test pressure
tubes 1500 LB/sq. in. Headers forgings and castings 660 LB/sq. in. and after assembly in place 660 LB/sq. in. Are drain cocks or
valves fitted to free the superheater from water where necessary Yes

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with Yes

The foregoing is a correct description,
For RICHARDSONS, WESTGARTH & Co. LIMITED. Manufacturer

Dates of Survey { During progress of work in shops - - }
while building { During erection on board vessel - - }

See Rpt. 4.

Are the approved plans of boiler and superheater forwarded herewith (If not state date of approval.) 16/10/

Total No. of visits

Is this Boiler a duplicate of a previous case Yes If so, state Vessel's name and Report No. R.W. 2702

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

The boilers have been constructed in Special Survey & in accordance with the approved plans for a working pressure of 220 LB/sq. in.

The materials & workmanship have been found good. Upon completion the boilers were tested in the presence of the undersigned with hydraulic pressure of 380 LB/sq. in. & found sound & tight.

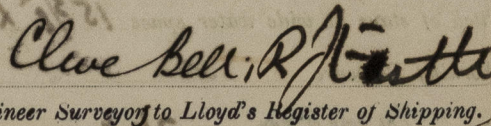
These boilers have been forwarded to Haverton Hill. The boilers securely fitted on board & found in order. Safety valves adjusted under steam to 220 lbs/sq. in. on completion.

Survey Fee ... See Rpt 4.

Travelling Expenses (if any) £

When applied for, 19

When received, 19

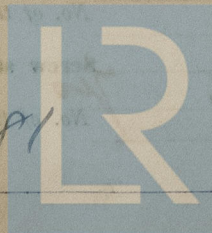
Clive Bell, R.N. 
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUE. 19 AUG 1941

Assigned

See Mch. J.E. 17081



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