

Working pressure by Rules 225 lbs/sq. in. Are the stays drilled at the outer ends No Margin stays: Diameter $\left\{ \begin{array}{l} \text{At turned off part} \\ \text{or} \\ \text{Over threads} \end{array} \right. \frac{1}{4}'' - 2''$

No. of threads per inch **WELDED.** Area supported by each stay $13\frac{1}{4}'' \times 10''$ Working pressure by Rules 192 lbs/sq. in.

Tubes: Material **STEEL.** External diameter $\left\{ \begin{array}{l} \text{Plain} \\ \text{Stay} \end{array} \right. \begin{array}{l} 2\frac{3}{4}'' \\ 2\frac{3}{4}'' \end{array}$ Thickness $\left\{ \begin{array}{l} 9 \text{ L.S.G.} \\ 5/16 - 3/8 - 7/16 \end{array} \right.$ No. of threads per inch **9**

Pitch of tubes $3\frac{7}{8}'' \times 4''$ Working pressure by Rules **Manhole compensation:** Size of opening in shell plate $16\frac{1}{2}'' \times 12\frac{1}{2}''$ Section of compensating ring $17'' \times 1\frac{1}{8}''$ No. of rivets and diameter of rivet holes **28 - 1/2''**

Outer row rivet pitch at ends $9\frac{3}{4}''$ Depth of flange if manhole flanged $3\frac{3}{8}''$ **Steam Dome:** Material

Tensile strength Thickness of shell Description of longitudinal joint

Diameter of rivet holes Pitch of rivets Percentage of strength of joint $\left\{ \begin{array}{l} \text{Plate} \\ \text{Rivets} \end{array} \right. \left. \begin{array}{l} \text{Plate} \\ \text{Rivets} \end{array} \right. \left. \begin{array}{l} \text{Plate} \\ \text{Rivets} \end{array} \right.$

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 **Nil.** Manufacturers of $\left\{ \begin{array}{l} \text{Tubes} \\ \text{Steel forgings} \\ \text{Steel castings} \end{array} \right. \left. \begin{array}{l} \text{Tubes} \\ \text{Steel forgings} \\ \text{Steel castings} \end{array} \right. \left. \begin{array}{l} \text{Tubes} \\ \text{Steel forgings} \\ \text{Steel castings} \end{array} \right.$

Number of elements Material of tubes Internal diameter and thickness of tubes

Material of headers Tensile strength Thickness Can the superheater be shut off and the boiler be worked separately

Area of each safety valve Is a safety valve fitted to every part of the superheater which can be shut off from the boiler

Rules Pressure to which the safety valves are adjusted Working pressure as per tubes forgings and castings and after assembly in place Hydraulic test pressure:

Are drain cocks or valves fitted to free the superheater from water where necessary

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

FOR HARLAND AND WOLFF, LIMITED

The foregoing is a correct description,

Jud. V. Spink

Manufacturer.

Secretary

1952
Feb. 18-21, Apr. 29, May 5-7, June 6-18
Dates of Survey $\left\{ \begin{array}{l} \text{During progress of} \\ \text{work in shops} \end{array} \right. \left. \begin{array}{l} 14 \text{ July } 3-9-28 \\ \text{Apr } 28, 17, 22, 29, \text{ Oct } 26, 31 \\ \text{Nov. } 10, 12, 13, 18 \end{array} \right.$ Are the approved plans of boiler and superheater forwarded herewith **20. 3. 52.**
while building $\left\{ \begin{array}{l} \text{During erection on} \\ \text{board vessel} \end{array} \right. \left. \begin{array}{l} 21, 27, 28 \\ \text{Dec } 1, 2, 4, 5, 9, 10, 11, 15, 16 - 42 \end{array} \right.$ (If not state date of approval.)
DRG. RETAINED FOR USE ON SISTER VESSELS.
Total No. of visits

Is this Boiler a duplicate of a previous case **Yes.** If so, state Vessel's name and Report No. **M.S. "JANITA" 1920 No 1443. BEL. 15416.**

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) *These Boilers were constructed under Special Survey in accordance with Rules, approved plans and Secretary's Letters. The materials were manufactured at Works approved by the Committee and under the supervision of the Society's Surveyors. The workmanship is satisfactory.*

The Boilers have now been despatched to Messrs Harland & Wolff Ltd. Glasgow, for installation on their yard No. 14546. These boilers have now been installed in the vessel, examined under working conditions. The safety valves adjusted to 185 lbs/sq. in. Accumulation tests carried out & found satisfactory & are eligible in my opinion to have notation D.B.S. 5/53.

Survey Fee £ 91 : 10 : 0 } When applied for, 22. 12. 19 52.
Travelling Expenses (if any) £ : : } When received, 19

J. B. Small
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute **GLASGOW 9 JUN 1953**

Assigned **SEE ACCOMPANYING MACHINERY REPORT**



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