

Are the stays drilled at the outer ends ho. Margin stays: Diameter At turned off part,
or Over threads 1 7/8"
No. of threads per inch 9.
Tubes: Material Seamless Steel External diameter Plain 2 1/2" Thickness 9.2.9. No. of threads per inch 9.
Stay 2 1/2" 3/8" x 5/16"
Pitch of tubes 3 3/4" x 3 3/4" Manhole compensation: Size of opening 20 1/2" x 16 1/2"
shell plate 20 1/2" x 16 1/2" Section of compensating ring 6 1/4" x 1 1/8" No. of rivets and diameter of rivet holes 36. 1 3/16"
Outer row rivet pitch at ends 8 3/16" Depth of flange if manhole flanged ✓ 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 ✓
Internal diameter ✓ Thickness of crown ✓ No. and diameter of stays ✓
Inner radius of crown ✓
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 ✓ Manufacturers of ✓
Tubes ✓
Steel forgings ✓
Steel castings ✓
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 ✓
Is a safety valve fitted to every part of the superheater which can be shut off from the boiler ✓
Area of each safety valve ✓ Are the safety valves fitted with easing gear ✓
Pressure to which the safety valves are adjusted ✓ Hydraulic test pressure ✓
tubes ✓ forgings and castings ✓ and after assembly in place ✓ 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 ✓

For and on behalf of
STOCKTON CHEMICAL ENGINEERS & RILEY BOILERS LTD.
The foregoing is a correct description,
Manufactured by ✓

Dates of Survey 1944 April 19, May 14, 19, 22, June 6, 12, 20, 28, July 3, 12, 20, Aug. 2, 9, 16, 30,
During progress of work in shops Sept. 8, 15, 21, Oct. 3, 13, 19, 25, Nov. 2, 9, 16, 21, 24
while building During erection on board vessel - - -
are the approved plans of boiler and superheater forwarded herewith 4/1/44
(If not state date of approval.)
Total No. of visits 27.

Is this Boiler a duplicate of a previous case Yes. If so, state Vessel's name and Report No. Hi. Hb. Rpt. No. 17673.

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

This boiler has been built under Special Survey & in accordance with the Rule Requirements & approved plan.

The materials & workmanship are good & on completion the boiler was hydraulically tested to 320 lbs per sq in & found satisfactory.

This boiler is being forwarded to the Furness Shipbuilding Co. Ltd. - Harrogate Hall for Richardson Westgarth & Co. Ltd. No. 2751.

This boiler has now been securely fitted on board a steamer under working conditions & found satisfactory.

On completion the SV's were adjusted under steam to 185 lbs per sq in.

Survey Fee £ 13 : 18 : - When applied for, 1-12-1944
SUPERVISION FEE. £ 3 : 9 : 6 When received, 19
Travelling Expenses (if any) £ - : - : -

MOB. 28-3-45.

C. Norman Stuart
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 13 APR 1945

Assigned Su F.E. machy. rpt.



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