





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" ✓ Stay 2 1/2" ✓ Thickness { 9 W. 4. ✓ 3/8" 3/16" No. of threads per inch 9 ✓

Pitch of tubes 3 3/4" x 3 3/4" Manhole compensation: Size of opening

shell plate 20 1/2" x 16 1/2" Section of compensating ring 6 3/4" 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 { Plate Rivets

Internal diameter Thickness of crown No. and diameter 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

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

The foregoing is a correct description,  
G. N. Riley Manufacturer

Dates of Survey { During progress of work in shops - - - 1944 May 22, June 6, 12, 20, 28, July 3, 20, Aug. 2, 9, 16, 30, Sept. 9, 21, Oct. 5, 13, 19, 25, Nov. 2, 9, 16, 21, 29, Dec. 6, 14, 21, 1945, 12, 20. Are the approved plans of boiler and superheater forwarded herewith 4/1/44 (If not state date of approval.)

while building { During erection on board vessel - - - Total No. of visits 27

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

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

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

The materials & workmanship are good, & on completion the boiler was hydrostatically tested to 320 lb. psi & found satisfactory.

This boiler is being forwarded to the Harmer Shipbuilding Co. Ltd., Haverton Hill for Richardson Westgarth's Contract No. 2752.

This boiler has now been secured, fitted on board & examined under working conditions & found satisfactory.

On completion the SV's were adjusted under steam to 185 lb. psi

Survey Fee ... £ 13 : 18 : - When applied for, 31/1/45

SUPERVISION FEE ... 3 : 9 : 6 When received, 19

Travelling Expenses (if any) 2

G. Norman Shier  
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 13 JUL 1945

Assigned See Mdt for mach

Lloyd's Register Foundation