

REPORT ON BOILERS

Working pressure by Rules 297 lbs. Are the stays drilled at the outer ends No Margin stays: Diameter { At turned off part, 3/32 or Over threads 1/32 }
 No. of threads per inch 10 Area supported by each stay 66.56 sq" Working pressure by Rules 358.5 lbs.
 Tubes: Material _____ External diameter { Plain 3" Stay 3" } Thickness { 5/16" } No. of threads per inch 10
 Pitch of tubes 4 3/8" Working pressure by Rules _____ Manhole compensation: Size of opening in shell plate 19 1/2" x 15 3/8" Section of compensating ring 1 1/4" x 13 1/2" No. of rivets and diameter of rivet holes 48
 Outer row rivet pitch at ends 7" Depth of flange if manhole flanged 2 7/8" (flange on compensating ring) Steam Dome: Material _____
 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 Superheat arrangements removed. The boiler is now without Superheat. Manufacturers of { Tubes _____ 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 _____ Working pressure as per Rules _____ Pressure to which the safety valves are adjusted _____ Hydraulic test pressure: tubes _____, 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 23 inclusive for boilers been complied with _____

The foregoing is a correct description,

 Manufacturer.

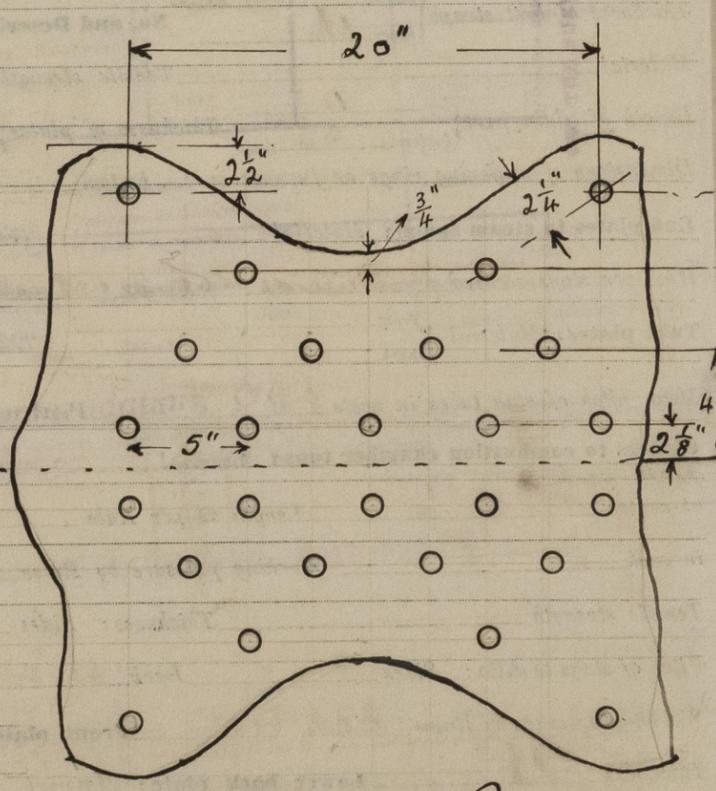
Dates of Survey { During progress of work in shops - - } Are the approved plans of boiler and superheater forwarded herewith (If not state date of approval.)
 while building { During erection on board vessel - - - } Total No. of visits _____

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

The thicknesses of the various plates were obtained by measurement at the edges, each plate being measured in several places. The diameters of rivets could not be obtained but, as a guide the maximum diameter of the heads was measured. All rivets have round heads of good shape and not pressed out at the edges and the diameters are: Shell long seams 2 5/8"; Shell air seams 2 5/16"; Manhole compensating ring 2 5/8".

The quality of workmanship, as far as can be judged from boilers not examined during construction, is good.

Shell Butt Strap



Survey Fee	<u>No. FEE</u> ±	:	:	When applied for,	192
Travelling Expenses (if any)	±	:	:	When received,	192

John Rundle
 Engineer/Surveyor to Lloyd's Register of Shipping.

Committee's Minute FR: 5 OCT. 1949
 Assigned See minute on R-9