

REPORT ON BOILERS

Rpt. 68

Working pressure by Rules 200 Are the stays drilled at the outer ends no Margin stays: Diameter ^{At turned off part, ✓} 1 3/4" or ^{Over threads ✓} 1 3/4"

No. of threads per inch 9 Area supported by each stay 93.5 Working pressure by Rules 193

Tubes: Material Iron External diameter ^{Plain 3 1/4"} ^{Stay 3 1/2"} Thickness ^{9 WG} ^{5/16"} No. of threads per inch 9

Pitch of tubes 4 1/16" x 4 1/4" Working pressure by Rules 180 & 215 Manhole compensation: Size of opening in shell plate 16" x 20" Section of compensating ring 7" x 1" McNeil No. of rivets and diameter of rivet holes 36 @ 1/16"

Outer row rivet pitch at ends about 7 1/2" 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 _____ 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 _____ 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 ^{FOR} **RILEY BROS. (BOILERMAKERS) LIMITED.**
 The foregoing is a correct description.
A. H. Shields SECRETARY, Manufacturer.

Dates of Survey ^{During progress of work in shops - -} 23 June 24 July 4 12 27 Are the approved plans of boiler and superheater forwarded herewith yes (If not state date of approval.)
^{while building} ^{During erection on board vessel - - -} Aug 13.
 Total No. of visits 7

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under special survey: is of good material and workmanship and on completion was tested by hydraulic pressure with satisfactory results.

Survey Fee £ 6 - 10 - 6 When applied for monthly etc.
 Travelling Expenses (if any) £ ✓ : : When received. 192

W. H. Morrison & P. D. Long
 Engineer Surveyor to Lloyd's Register of Shipping.

FRI. 26 OCT. 1923

Committee's Minute _____

Assigned _____

