

REPORT ON BOILERS

Working pressure by Rules 250 Are the stays drilled at the outer ends 20 Margin stays: Diameter 1 3/4 { At turned off part, or Over threads

No. of threads per inch 9 Area supported by each stay 89.0 Working pressure by Rules 203.40

Tubes: Material Iron External diameter { Plain 2 1/2 Stay 2 1/2 Thickness { 9-WG No. of threads per inch 9

Pitch of tubes 3 3/4" x 3 3/4" Working pressure by Rules 217.00 Manhole compensation: Size of opening in shell plate 20" x 16" Section of compensating ring 10 3/4" x 1 3/4" No. of rivets and diameter of rivet holes 32 x 1 1/2"

Outer row rivet pitch at ends 10 1/4" Depth of flange if manhole flanged 2 3/4" Steam Dome: Material Iron

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 None 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 Yes

The foregoing is a correct description,
 _____ Manufacturer.
G. J. J. J.

Dates of Survey { During progress of work in shops - - } from October 11th 1923 Are the approved plans of boiler and superheater forwarded herewith (If not state date of approval.) Yes

{ While building } { During erection on board vessel - - - } March 7th 1924 Total No. of visits 33
see report on engines

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These steel tubes have been examined during construction, and the materials and workmanship are good, and in accordance with the requirements of the rules & the approved plan. On completion they were submitted to a hydraulic test with satisfactory results and were again seen under steam, when the safety valves were adjusted to the working pressure. They are therefore eligible in our opinion to be fitted in a clamped ship.

Survey Fee £ see other report When applied for, 192

Travelling Expenses (if any) £ report When received, 192

Maurice Ritson & L. G. Shallcross
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. MAR 14 1924

Assigned _____

F.O. above 1500.

