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Working pressure by Rules 196 & 190 lbs 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 92.0" Working pressure by Rules 197 lbs

Tubes: Material Iron External diameter { Plain 2 3/4" Thickness { 9 10 2 3/8 & 2 5/16" No. of threads per inch 9

Pitch of tubes 4 x 3 7/8" Working pressure by Rules 215 lbs Manhole compensation: Size of opening in shell plate 21" x 17" Section of compensating ring 21" x 1 3/16" No. of rivets and diameter of rivet holes 40 - 1 1/4"

Outer row rivet pitch at ends 8 3/4" Depth of flange if manhole flanged Comp. ring flange 3 1/2" 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 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

Please see also Newcastle Report No 91672

The foregoing is a correct description, Manufacturer _____

Dates of Survey { During progress of work in shops - - - Newcastle Are the approved plans of boiler and superheater forwarded herewith (If not state date of approval.)

while building { During erection on board vessel - - - 1935 Apr 16, 17, 29, May 2, 16. Total No. of visits five

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been constructed at Newcastle under special survey in accordance with the Rules and approved plans and has been fitted at Monfalcone on board this vessel and run dry for some time. The arrangement of pipes in general and the oil fuel burning arrangement have been fitted in accordance with the approved plans. The O.F. system after jointing has been hydraulically tested satisfactorily. The safety valves adjusted to blow at 185 lbs. Thickness of adjusting washers 8 7/8 in port valve 7 1/2 in start valve.

Survey Fee ... £ 356- When applied for, 25/57 1935

Travelling Expenses (if any) £ ✓ : 157/6 When received, 157/6 1935

R. P. Sparrow
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 4 JUN 1935

Assigned See Tri. J.C. 10858

