

Working pressure by Rules 222 lb Are the stays drilled at the outer ends no Margin stays: Diameter ^{At turned off part} 1 1/8" or ^{Over threads} 1 1/8"

No. of threads per inch 9 Area supported by each stay 97 sq Working pressure by Rules 220 lb

Tubes: Material Iron External diameter ^{Plain} 2 1/2" Thickness ^{9 W G} 1/2" 3/8" 9/16" No. of threads per inch 9

Pitch of tubes 3 3/4" x 3 3/4" Working pressure by Rules 218 lb Manhole compensation: Size of opening in shell plate 20 x 16 Section of compensating ring 8 1/4 x 1 1/16 + Flange No. of rivets and diameter of rivet holes 32 - 1 5/8"

Outer row rivet pitch at ends 11" Depth of flange if manhole flanged _____ 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 _____

The foregoing is a correct description. ^{FOR} SWAN, HUNTER & WIGHAM, RICHARDSON, LTD. Manufacturer.

Dates of Survey while building ^{During progress of work in shops - -} _____ ^{During erection on board vessel - - -} _____ *See Body Report*

Are the approved plans of boiler and superheater forwarded herewith (If not state date of approval.) _____ ^{DIRECTOR} *Yes*

Total No. of visits _____

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

The Boilers Built under Special Survey the material and workmanship found good and efficient.

The Boilers Satisfactorily fitted up on board the vessel tested under steam and found satisfactory. New Safety Valves adjusted under steam for the working pressure.

The Boilers fitted with forced draught.

Survey Fee ... £ _____ When applied for, 192

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

L. G. Shalleross
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUES. 17 APR 1923

Assigned See Body Report attached



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