





Working pressure by Rules 224 Are the stays drilled at the outer ends No Margin stays: Diameter { At turned off part, 1 1/8" Over threads 1 1/8"  
No. of threads per inch 9 Area supported by each stay 14 x 9, 126" Working pressure by Rules 212  
Tubes: Material Iron External diameter { Plain 3 1/4" Thickness 8 W.C. No. of threads per inch 9  
Pitch of tubes 4 3/8" x 4 1/2" Working pressure by Rules 230 Manhole compensation: Size of opening  
shell plate 20 x 16 Section of compensating ring 3-0 x 2-8 No. of rivets and diameter of rivet holes 32 x 1 1/8"  
Outer row rivet pitch at ends 9 1/8" Depth of flange if manhole flanged 3 1/2" 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  
stays - Inner radius of crown - Working pressure by Rules -  
How connected to shell - Size of doubling plate under dome - Diameter of rivet holes and  
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  
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  
Rules - Pressure to which the safety valves are adjusted - Hydraulic test press  
tubes - castings - and after assembly in place - Are drain cocks or valves  
to free the superheater from water where necessary -

Have all the requirements of Sections 14 to 23 inclusive for boilers been complied with Yes!

For The foregoing is a correct description,  
Palmer's Shipbuilding & Iron Co., Ltd. Manufactured

Dates of Survey { During progress of work in shops - - 1925  
while building { During erection on board vessel - - - Apr 2, 7, 16, 22, 29, 30, May 9, 15, 22, June 11, 12, 15, 16.  
Total No. of visits 18

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been built under Special License & the materials & workmanship are good. On completion the boilers were tested by hydraulic pressure to 335 lbs. and found sound & tight. The boilers are stated to be intended for Messrs The Northumberland S. S. Co 388.

These boilers have been efficiently installed on the SS. "WAIPAH" and their safety valves adjusted to the working pressure.

Survey Fee ... £ 26-10-0 When applied for 17 JUN 1925  
Travelling Expenses (if any) £ : : When received, 27 July 1925 1925 LRA

Committee's Minute

Assigned

WED. 5 AUG 1925

Charlotte  
Engineer Surveyor to Lloyd's Register of Shipping  
L. P. Pickett



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Foundation