





Working pressure by Rules 252 lbs. Are the stays drilled at the outer ends no Margin stays: Diameter <sup>At turned off part,</sup> 1 7/8"  
 No. of threads per inch nine Area supported by each stay 83.175 Working pressure by Rules 256 lbs.  
 Tubes: Material iron External diameter <sup>Plain</sup> 2 1/2" Thickness <sup>Stay</sup> 3/8 5/16 No. of threads per inch nine  
 Pitch of tubes 3 3/4" x 3 5/8" Working pressure by Rules Plain 300 lbs. Stay 275 lbs. Manhole compensation: Size of opening in  
 shell plate 16" x 12" Section of compensating ring 38 1/4" x 36" No. of rivets and diameter of rivet holes 36 - 1 1/4"  
 Outer row rivet pitch at ends 11" Depth of flange if manhole flanged 3 1/4" Steam Dome: Material ✓  
 Tensile strength \_\_\_\_\_ Thickness of shell \_\_\_\_\_ Description of longitudinal joint \_\_\_\_\_  
 Diameter of rivet holes \_\_\_\_\_ Pitch of rivets \_\_\_\_\_ Percentage of strength of joint <sup>Plate</sup> <sub>Rivets</sub> \_\_\_\_\_  
 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 Sugden's Uptake Manufacturers of <sup>Tubes</sup> See plan.  
 Number of elements ✓ Material of tubes ✓ Internal diameter and thickness of tubes ✓  
 Material of headers Woot Steel Tensile strength 24-28 Tms Thickness 3/4" Can the superheater be shut off and  
 the boiler be worked separately yes Is a safety valve fitted to every part of the superheater which can be shut off from the boiler yes  
 Area of each safety valve 3.1416 sq" Are the safety valves fitted with easing gear yes Working pressure as per  
 Rules 250 lbs. Pressure to which the safety valves are adjusted 250 lbs. Hydraulic test pressure:  
 tubes ✓ castings ✓ and after assembly in place 750 lbs. Are drain cocks or valves fitted  
 to free the superheater from water where necessary yes

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with yes

The foregoing is a correct description,  
F. Cunningham Manufacturer.

Dates of Survey <sup>1929</sup> During progress of work in shops - Jan 15 7.26 7.19.22.26 Mar 1.8.18.22 Are the approved plans of boiler and superheater forwarded herewith yes  
 while building <sup>(If not state date of approval.)</sup> During erection on board vessel - Apr 5.10.19 May 6.15.21.31 July 2 1830 Total No. of visits 20

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

These boilers were constructed under special survey to an approved design. The materials and workmanship are good. They were subjected to hydraulic test in accordance with the Rules and were efficiently fastened on board the vessel. The safety valves were adjusted to 250 lbs. sq" under steam.

Survey Fee ... .. £ See Inquiry Rpt. : When applied for, 192  
 Travelling Expenses (if any) £ : : When received, 192

A. H. Morrison  
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute FR. 23 AUG 1929  
 Assigned See Inq. Rpt. attached.