

REPORT ON BOILERS.

No. 5716

MON. AUG. 18. 1913

Received at London Office

Date of writing Report Aug 12th 1913 When handed in at Local Office Aug 14th 1913 Port of Genoa
 No. in Survey held at Sestri Ponente Date, First Survey July 3rd 1912 Last Survey Aug 11th 1913
 Reg. Book. Sestri Ponente (Number of Visits 6) Gross 6507.40
 on the Screw Steamer "Splendor" Tons Net 4028.52
 Master C. Vaccarezza Built at France By whom built N. Otero fu Aless & Co When built 1913
 Engines made at Sestri Ponente By whom made N. Otero fu Aless & Co when made 1913
 Boilers made at SE By whom made SE when made 1913
 Registered Horse Power 393 Owners Societa' Italo Americana - del Petrolio. Port belonging to Genoa

MULTITUBULAR BOILERS ~~MAIN, AUXILIARY OR DONKEY.~~ Manufacturers of Steel John Spencer

(Letter for record 5) Total Heating Surface of Boilers 1138 $\frac{5}{8}$ Is forced draft fitted - No. and Description of Boilers One horizontal multitubular Working Pressure 120 $\frac{0}{8}$ Tested by hydraulic pressure to 240 Date of test 30/1/13
 No. of Certificate 105 Can each boiler be worked separately - Area of fire grate in each boiler 36.55 $\frac{5}{8}$ No. and Description of safety valves to each boiler 2 Spring Area of each valve 9.62 $\frac{5}{8}$ Pressure to which they are adjusted 120 $\frac{0}{8}$
 Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler no. non altera
 Smallest distance between boilers or uptakes and bunkers or woodwork 12" Mean dia. of boilers 125.98" Length 112.07"
 Material of shell plates steel Thickness $\frac{10.25}{16}$ Range of tensile strength 22-26" Are the shell plates welded or flanged no
 Descrip. of riveting: cir. seams double long. seams 5 inch pitch Diameter of rivet holes in long. seams 78" Pitch of rivets 5.03"
 Lap of plates or width of butt straps 11.8" Per centages of strength of longitudinal joint rivets 112.5 Working pressure of shell by rules 122 Size of manhole in shell 14 $\frac{1}{2}$ " x 11" Size of compensating ring 7 $\frac{1}{2}$ " x 4 $\frac{1}{8}$ " No. and Description of Furnaces in each boiler 2 Suspension Material steel Outside diameter 39.34" Length of plain part top - bottom - Thickness of plates crown $\frac{4.6}{16}$ bottom $\frac{4.6}{16}$
 Description of longitudinal joint welded No. of strengthening rings - Working pressure of furnace by the rules 149 Combustion chamber plates: Material steel Thickness: Sides $\frac{8.5}{16}$ Back $\frac{8.5}{16}$ Top $\frac{8.5}{16}$ Bottom $\frac{10}{16}$ Pitch of stays to ditto: Sides 4.08" x 4.08" Back 4.08" x 4.08"
 Top 4.48" x 4.08" If stays are fitted with nuts or riveted heads yes riveted Working pressure by rules 144 $\frac{0}{8}$ Material of stays steel Diameter at smallest part $\frac{1.5}{8}$ " Area supported by each stay 33.5 Working pressure by rules 144 $\frac{0}{8}$ End plates in steam space: Material steel Thickness $\frac{11.25}{16}$
 Pitch of stays 4.46" x 4.46" How are stays secured 220 $\frac{0}{8}$ Working pressure by rules 144 $\frac{0}{8}$ Material of stays steel Diameter at smallest part 2 $\frac{1}{4}$ "
 Area supported by each stay 220.4 Working pressure by rules 159 Material of Front plates at bottom steel Thickness $\frac{11.5}{16}$ Material of Lower back plate steel Thickness $\frac{11.5}{16}$ Greatest pitch of stays 13.6" x 4.08" Working pressure of plate by rules 244 Diameter of tubes 3"
 Pitch of tubes 4.09" x 4.09" Material of tube plates steel Thickness: Front $\frac{11.5}{16}$ Back $\frac{11.5}{16}$ Mean pitch of stays 8.18" Pitch across wide water spaces 13.6" x 8.18" Working pressures by rules 228.5 $\frac{0}{8}$ Girders to Chamber tops: Material steel Depth and thickness of girder at centre 5.9" x 1.258" Length as per rule 21.65" Distance apart 4.48" Number and pitch of Stays in each 2 - 4.08"
 Working pressure by rules 157 $\frac{0}{8}$ Superheater or Steam chest: how connected to boiler none Can the superheater be shut off and the boiler worked separately - Diameter - Length - Thickness of shell plates - Material - Description of longitudinal joint - Diam. of rivet holes - Pitch of rivets - Working pressure of shell by rules - Diameter of flue - Material of flue plates - Thickness -
 If stiffened with rings - Distance between rings - Working pressure by rules - End plates: Thickness - How stayed -
 Working pressure of end plates - Area of safety valves to superheater - Are they fitted with easing gear -

The foregoing is a correct description,

per N. ODERO & C.

Manufacturer.

Dates of Survey 1912. July 3. 4. Aug 23. Sept 5. 13. Dec 1. 17. 26. 28. Jan 4. 18. 24. Feb 5. 10. 19.
 During progress of work in shops - Is the approved plan of boiler forwarded herewith Yes
 while building 1913. Jan 4. 17. 26. 27. 30.
 During erection on board vessel - 1913. May 3. 19. 30. June 6. 17. 18. 30. July 15. 19. Aug 1. 2 Total No. of visits aug 8. 11.

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

This boiler has been examined during construction & the materials and workmanship are good, & in accordance with the approved plan and Society's rules.

Survey Fee ... £ see other : } When applied for, ... 19. -
 Travelling Expenses (if any) £ report : } When received, ... 19. -

Committee's Minute

TUE. SEP. 2 - 1913

TUE. JAN. 13. 1914

Assigned

see Minute onGen. RM 5716 attached

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.



Lloyd's Register Foundation