

# REPORT ON BOILERS.

No. 5716  
MON. AUG. 18. 1913

Received at London Office

Date of writing Report Aug 12<sup>th</sup> 1913 When handed in at Local Office Aug 14<sup>th</sup> 1913 Port of Genoa  
 No. in Survey held at Sestri Ponente Date, First Survey July 3<sup>rd</sup> 1912 Last Survey Aug 11<sup>th</sup> 1913  
 Reg. Book. on the Screw Steamer "Splendor" (Number of Visits 6) Tons } Gross 6507.40  
 Net 4028.52  
 Master C. Vaccarezza Built at France By whom built N. Odero fu. Aless & Co When built 1913  
 Engines made at Sestri Ponente By whom made N. Odero fu. Aless & Co when made 1913  
 Boilers made at do By whom made do when made 1913  
 Registered Horse Power 393 Owners Societa' Falo, 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 sq ft Is forced draft fitted no No. and Description of Boilers one horizontal multitubular Working Pressure 120 lbs Tested by hydraulic pressure to 240 Date of test 30/1/13  
 No. of Certificate 105 Can each boiler be worked separately no Area of fire grate in each boiler 36.55 sq ft No. and Description of safety valves to each boiler 2 Spring Area of each valve 9.62 sq ft Pressure to which they are adjusted 120 lbs  
 Are they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler no  
 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 10.25" Range of tensile strength 22-26" Are the shell plates welded or flanged no  
 Descrip. of riveting: cir. seams double long. seams 5 rivets per pitch Diameter of rivet holes in long. seams 7.81" Pitch of rivets 5.03"  
 Lap of plates or width of butt straps 11.8" Per centages of strength of longitudinal joint 84.75 Working pressure of shell by rules 122 Size of manhole in shell 14 1/2" x 11" Size of compensating ring 4 1/2" x 4 1/2" flanged No. and Description of Furnaces in each boiler 2 suspension Material steel Outside diameter 39.34" Length of plain part 112.07" Thickness of plates 8.5" Combustion chamber plates: Material steel Thickness: Sides 8.5" Back 8.5" Top 8.5" Bottom 10" Pitch of stays to ditto: Sides 4.08" x 4.08" Back 4.08" x 4.08"  
 Top 4.08" x 4.08" If stays are fitted with nuts or riveted heads yes riveted Working pressure by rules 144 lbs Material of stays steel Diameter at smallest part 1 1/2" Area supported by each stay 33.0 Working pressure by rules 124.5 End plates in steam space: Material steel Thickness 11.25"  
 Pitch of stays 4.96" x 4.96" How are stays secured 220 lbs Working pressure by rules 124.5 Material of stays steel Diameter at smallest part 2 1/4"  
 Area supported by each stay 220.4 Working pressure by rules 159 Material of Front plates at bottom steel Thickness 11.5" Material of Lower back plate steel Thickness 11.5" Greatest pitch of stays 13.6" x 4.08" Working pressure of plate by rules 277 Diameter of tubes 3"  
 Pitch of tubes 4.09" x 4.09" Material of tube plates steel Thickness: Front 11.5" Back 11.5" Mean pitch of stays 8.18" Pitch across wide water spaces 13.6" x 8.18" Working pressures by rules 228.5 lbs 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 157.75 Superheater or Steam chest; how connected to boiler none Can the superheater be shut off and the boiler worked separately no Diameter no Length no Thickness of shell plates no Material no Description of longitudinal joint no Diam. of rivet holes no Pitch of rivets no Working pressure of shell by rules no Diameter of flue no Material of flue plates no Thickness no  
 If stiffened with rings no Distance between rings no Working pressure by rules no End plates: Thickness no How stayed no  
 Working pressure of end plates no Area of safety valves to superheater no Are they fitted with easing gear no

The foregoing is a correct description, per N. ODERO & C. Manufacturer.

Dates of Survey } During progress of work in shops - - } 1912. July 3. 4. Aug 23. Sept 5. 13. Dec 1. 7. 26. 28. Jan 4. 18. 24. Feb 5. 10. 19. 1913. Jan 4. 17. 28. 27. 30. Is the approved plan of boiler forwarded herewith yes  
 while building } 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 6  
 board vessel - - - } 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. -  
Francis Peterson  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute TUE. SER. 2-1913 TUE. JAN. 13. 1914  
 Assigned see Minute on Gen. RN 5716 attached

