

REPORT ON BOILERS.

No. 8194

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Date of writing Report 8. 2. 1922. When handed in at Local Office 8. 2. 1922. Port of GENOA.  
No. in Survey held at RIVA TRIGOSO & GENOA. Date, First Survey 19. 9. 21. Last Survey 6. 2. 1922.  
eg. Book. on the donkey boiler of the s.s. "RAPALLO" (Number of Visits 4) Tons { Gross 6467. Net 3944.  
ster Built at Riva Trigoso By whom built Societa' Esercizio Bacini When built 1922  
gines made at Riva Trigoso By whom made Societa' Esercizio Bacini When made 1922  
ilers made at do. By whom made do. When made 1921  
gistered Horse Power Owners do. Port belonging to Genoa.

ULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel  
atter for record S. ✓ Total Heating Surface of Boilers 90 m<sup>2</sup> Is forced draft fitted no No. and Description of  
ilers 1- S.E. Marine Working Pressure 100 lbs. Tested by hydraulic pressure to 14 kg/cm<sup>2</sup> Date of test 16. 7. 21. G.R.M.  
of Certificate none Can each boiler be worked separately ✓ Area of fire grate in each boiler 3.2 m<sup>2</sup> No. and Description of  
safety valves to each boiler Pair spring loaded. Area of each valve 3630 cm<sup>2</sup> Pressure to which they are adjusted 4.3 kg/cm<sup>2</sup>  
they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler no  
allest distance between boilers or uptakes and bunkers or woodwork 2 metres Mean dia. of boilers 3120 Length 2850  
aterial of shell plates S. Thickness 16 Range of tensile strength 44.5/50 Are the shell plates welded or flanged no  
scrip. of riveting: cir. seams D.R. long. seams D.R. D.B.S. Diameter of rivet holes in long. seams 25 Pitch of rivets 105  
of plates or width of butt straps 252 Per centages of strength of longitudinal joint rivets 89 plate 46.2 Working pressure of shell by  
s 8.1 Size of manhole in shell nil Size of compensating ring No. and Description of Furnaces in each  
ler 2 plain Material S. Outside diameter 932 Length of plain part top 1950 bottom 2120 Thickness of plates crown 16 bottom 16  
escription of longitudinal joint D.R. Lap. No. of strengthening rings nil Working pressure of furnace by the rules 8.4 Combustion chamber  
es: Material S. Thickness: Sides 13 Back 13 Top 13 Bottom 16 Pitch of stays to ditto: Sides 180x140 Back 180x180  
188x80 If stays are fitted with nuts or riveted heads R Heads Working pressure by rules 8.2 Material of stays S Diameter at  
allest part 1.22 Area supported by each stay 3240 cm<sup>2</sup> Working pressure by rules 14.1 End plates in steam space: Material S Thickness 19  
h of stays 345x340 How are stays secured DN & RW Working pressure by rules 10.8 Material of stays S Diameter at smallest part 2346 mm  
a supported by each stay 13840 cm<sup>2</sup> Working pressure by rules 13.1 Material of Front plates at bottom S Thickness 19 Material of  
ver back plate S Thickness 19 Greatest pitch of stays 340x180 Working pressure of plate by rules 13.8 Diameter of tubes 76  
h of tubes 104x104 Material of tube plates S. Thickness: Front 19 Back 18 Mean pitch of stays 208x208 Pitch across wide  
er spaces 340 Working pressures by rules 4.8 Girders to Chamber tops: Material S Depth and thickness of  
er at centre 180x18 (double) Length as per rule 580 Distance apart 188 Number and pitch of Stays in each 2-180  
rking pressure by rules 20 Superheater or Steam chest; how connected to boiler none Can the superheater be shut off and the boiler worked  
rately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet  
s Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness  
tiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed  
rking pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

VERTICAL DONKEY BOILER— No. Description Manufacturers of steel  
le at By whom made When made Where fixed Working pressure  
d by hydraulic pressure to Date of test No. of Certificate Fire grate area Description of safety valves  
of safety valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can  
the donkey boiler Dia. of donkey boiler Length Material of shell plates Thickness Range of tensile  
ngth Descrip. of riveting long. seams Dia. of rivet holes Whether punched or drilled Pitch of rivets  
of plating Per centage of strength of joint Rivets Plates Working pressure of shell by rules Thickness of shell crown plates  
lius of do. No. of Stays to do. Dia. of stays Diameter of furnace Top Bottom Length of furnace  
ckness of furnace plates Description of joint Working pressure of furnace by rules Thickness of furnace crown  
es Radius of do. Stayed by Diameter of uptake Thickness of uptake plates  
ckness of water tubes

The foregoing is a correct description,  
Fug. Ferdinando Rossi Manufacturer.

During progress of work in shops - -  
During erection on board vessel - - -  
Total No. of visits

Is the approved plan of main boiler forwarded herewith  
" " " donkey " "

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

The materials used in the construction of this boiler were tested by the R.N.I.  
 The boiler and its mountings were examined and the scantlings checked  
 and found in order. The boiler and mountings are of good workmanship  
 and were found in good order.  
 The safety valves have been adjusted under steam and the boiler is secured  
 satisfactorily.

M. R. A.

Certificate (if required) to be sent to  
 Committee's Minute.

The amount of Entry Fee .. £	See :	When applied for,
Special .. .. .	Trachy :	.....19.....
Donkey Boiler Fee .. .. .	Report :	When received,
Travelling Expenses (if any) £	:	.....19.....

Committee's Minute

Assigned

TUE. FEB. 28 1922

M. R. A.  
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.



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