

REPORT ON MACHINERY.

No. 2901

Port of Genoa Received at London Office MUN. 6 JUL 1903

No. in Survey held at Genoa Date, first Survey April 15th Last Survey July 4th 1903

eg. Book. on the Sonley Boiler for the Bk "Regina Elena" (Number of Visits 5)

Master G. Ameglio Built at Porto Tugoso By whom built Soc. Gen. Racini Tons { Gross 2463-82 Net 2364-79

Engines made at Genoa By whom made Societa' Esercizio Racini - Genoa when made 1903

Boilers made at Genoa By whom made Societa' Esercizio Racini - Genoa when made 1903

Registered Horse Power Owners Cavaliere Pietro Milesi Port belonging to Genoa

om. Horse Power as per Section 28 Is Refrigerating Machinery fitted No Is Electric Light fitted No

GINES, &c.—Description of Engines

No. of Cylinders	Length of Stroke	Revs. per minute	No. of Cranks
the screw shaft fitted with a continuous liner the whole length of the stern tube			
the propeller boss	If the liner is in more than one length are the joints burned		If the liner does not fit tightly at the part
between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive			If two
ers are fitted, is the shaft lapped or protected between the liners			Length of stern bush
dia. of Tunnel shaft as per rule as fitted	Dia. of Crank shaft journals as per rule as fitted	Dia. of Crank pin	Size of Crank webs
Size of Crank webs			Dia. of thrust shaft under
State whether moveable			Total surface
No. of Feed pumps	Diameter of ditto	Stroke	Can one be overhauled while the other is at work
No. of Bilge pumps	Diameter of ditto	Stroke	Can one be overhauled while the other is at work
No. of Donkey Engines	Sizes of Pumps		No. and size of Suctions connected to both Bilge and Donkey pumps
Engine Room			In Holds, &c.
No. of bilge injections	sizes	Connected to condenser, or to circulating pump	Is a separate donkey suction fitted in Engine room & size
Are all the bilge suction pipes fitted with roses		Are the roses in Engine room always accessible	Are the sluices on Engine room bulkheads always accessible
Are all connections with the sea direct on the skin of the ship		Are they Valves or Cocks	
Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates		Are the discharge pipes above or below the deep water line	
Are they each fitted with a discharge valve always accessible on the plating of the vessel		Are the blow off cocks fitted with a spigot and brass covering plate	
How are they protected			
Are all pipes, cocks, valves, and pumps in connection with the machinery and all boiler mountings accessible at all times			
Are the bilge suction pipes, cocks, and valves arranged so as to prevent any communication between the sea and the bilges			
When were stern tube, propeller, screw shaft, and all connections examined in dry dock			Is the screw shaft tunnel watertight
Is it fitted with a watertight door		worked from	

ILERS, &c.— (Letter for record) Total Heating Surface of Boilers Is forced draft fitted

Boilers, &c.—

No. and Description of Boilers	Working Pressure	Tested by hydraulic pressure to
ate of test	Can each boiler be worked separately	Area of fire grate in each boiler
h boiler	Area of each valve	Pressure to which they are adjusted
allest distance between boilers or uptakes and bunkers or woodwork	Mean dia. of boilers	Length
ickness	Range of tensile strength	Are they welded or flanged
ameter of rivet holes in long. seams	Pitch of rivets	Lap of plates or width of butt straps
ercentages of strength of longitudinal joint	Working pressure of shell by rules	Size of manhole in shell
of compensating ring	No. and Description of Furnaces in each boiler	Material
length of plain part	Thickness of plates	Description of longitudinal joint
orking pressure of furnace by the rules	Combustion chamber plates: Material	Thickness: Sides
ch of stays to ditto: Sides	Back	Top
aterial of stays	Diameter at smallest part	Area supported by each stay
aterial	Thickness	Pitch of stays
ameter at smallest part	Area supported by each stay	Working pressure by rules
ickness	Material of Lower back plate	Thickness
ameter of tubes	Pitch of tubes	Material of tube plates
ch across wide water spaces	Working pressures by rules	Girders to Chamber tops: Material
ickness of girder at centre	Length as per rule	Distance apart
orking pressure by rules	Superheater or Steam chest; how connected to boiler	Can the superheater be shut off and the boiler worked
arately	Diameter	Length
es	Pitch of rivets	Working pressure of shell by rules
stiffened with rings	Distance between rings	Working pressure by rules
orking pressure of end plates	Area of safety valves to superheater	Are they fitted with easing gear

No 2901

DONKEY BOILER— No. 46 Description *Vertical Cochran's system*
 Made at *Genoa* By whom made *Societa' Esercizio Bacini* When made *1903* Where fixed *on deck*
 Working pressure *51* tested by hydraulic pressure to *102* No. of Certificate *46* Fire grate area *5.4* Description of safety valves *Spring*
 No. of safety valves *2* Area of each *1.8* Pressure to which they are adjusted *50* If fitted with easing gear *yes* If steam from main boilers can enter the donkey boiler
 Dia. of donkey boiler *49.21* Length *108.25* Material of shell plates *steel* Thickness *.39* Range of tensile strength *26-30* Descrip. of riveting long. seams *double lap* Dia. of rivet holes *.78* Whether punched or drilled *yes* Pitch of rivets *2.5*
 Lap of plating *4* Per centage of strength of joint *69* Thickness of shell crown plates *.44* Radius of do. *45.2* No. of Stays to do. *none*
 Dia. of stays *single* Diameter of furnace Top *18* Bottom *40* Length of furnace *30* Thickness of furnace plates *.39* Description of joint *lap* Thickness of furnace crown plates *.39* Stayed by
 Working pressure of furnace by rules *230* Diameter of uptake Thickness of uptake plates Thickness of water tubes

SPARE GEAR. State the articles supplied:—

None required

The foregoing is a correct description,

SOCIETA' ESERCIZIO BACINI
L'Amministratore Delegato

Manufacturer.

Dates of Survey while building
 During progress of work in shops—
 During erection on board vessel—
 Total No. of

1903. April 15. 27. May 8th July 1. 4.

5

Is the approved plan of main boiler forwarded herewith

“ “ “ donkey “ “ “ *yes*

General Remarks (State quality of workmanship, opinions as to class, &c.)

This donkey boiler has been made under the society's inspection. The materials & workmanship are good. The boiler has been tested by hydraulic pressure to 102 lbs per sq. inch & found tight & sound. The safety valves adjusted under steam to blow at 51 lbs.

This vessel is therefore eligible in my opinion to have the record of D.B.S. 7.03 recorded in the R. Book.—

It is submitted that this vessel is eligible for THE RECORD + D.B. 7.03.

Working pressure 51 lb.

*C.M.
6.7.03*

*J.S.
6.7.03*

The amount of Entry Fee.. £ : : When applied for, *July 4th 1903*
 Special .. £ : :
 Donkey Boiler Fee .. £ *2* : *2* : When received, *July 4th 1903*
 Travelling Expenses (if any) £ : *2* :

Committee's Minute

TUES. 7 JUL 1903

Assigned

+ D.B. 7.03

Maurice Peterson

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



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