

REPORT ON MACHINERY.

468

RECEIVED 23rd, MAR. 82
(Received in London Office)

No. in Survey held at 45 Tabarka
Book. Genoa
on the S. S. Tabarka
Date, first Survey 17/10/81 Last Survey 24 March 1882
Tons 51.05
26.57

ster Angelo Sturlese Built at Genoa When built 1882
ines made at Genoa By whom made E. Bravero & Co when made 1882
ilers made at Genoa By whom made E. Bravero & Co when made 1882
Registered Horse Power 20 Owners Societa di Montepone Port belonging to Carlo Forte

GINES, &c.—

Description of Engines Inverted direct acting compound
Diameter of Cylinders 12"-20" Length of Stroke 12" No. of Rev. per minute 130 Point of Cut off, High Pressure 8/10 Low Pressure 9/10
Diameter of Screw shaft 4 5/16 Diameter of Tunnel shaft 4 5/16 Diameter of Crank shaft journals 4 7/8 Diameter of Crank pin 4 5/16 size of Crank webs 5x2 1/2
Diameter of screw 4 9/16 Pitch of screw 8 1/2" No. of blades 4 state whether moveable no total surface
No. of Feed pumps 1 diameter of ditto 2 1/8 Stroke 6" Can one be overhauled while the other is at work
No. of Bilge pumps 1 diameter of ditto 2 3/8 Stroke 2 3/8 Can one be overhauled while the other is at work
Where do they pump from Engine room and fore & aft compartments.
No. of Donkey Engines one Size of Pumps dia 2 3/8 x 5 1/2 Where do they pump from sea & bilge

Are all the bilge suction pipes fitted with roses yes Are the roses always accessible yes Are the sluices on Engine room bulkheads always accessible
No. of bilge injections and sizes Are they connected to condenser, or to circulating pump
How are the pumps worked by rocking beams
Are all connections with the sea direct on the skin of the ship yes Are they Valves or Cocks yes
Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates yes Are the discharge pipes above or below the deep water line above
Are they each fitted with a discharge valve always accessible on the plating of the vessel no Are the blow off cocks fitted with a spigot and brass covering plate no
That pipes are carried through the bunkers none How are they protected
Are all pipes, cocks, valves, and pumps in connection with the machinery accessible at all times yes
Are the pipes, cocks, and valves arranged so as to prevent an unintentional connection between the sea and the bilges yes
When were stern tube, propeller, screw shaft, and all connections examined in dry dock when launched
Is the screw shaft tunnel watertight and fitted with a sluice door worked from

BOILERS, &c.—

Number of Boilers one Description cylindrical & tubular
Working Pressure 45 lbs Tested by hydraulic pressure to 150 lbs Date of test 28 January 1882
Description of superheating apparatus or steam chest elliptical dome
Can each boiler be worked separately Can the superheater be shut off and the boiler worked separately
No. of square feet of fire grate surface in each boiler 19.5 Description of safety valves conical, lever & springs
No. to each boiler two area of each valve 4" dia. Are they fitted with easing gear yes
No. of safety valves to superheater area of each valve are they fitted with easing gear
Smallest distance between boilers and bunkers or woodwork
Diameter of boilers 6' 4" Length of boilers 8' 9" description of riveting of shell long. seams double circum. seams double
Thickness of shell plates 5/8 bare diameter of rivet holes 7/8 whether punched or drilled punched pitch of rivets 3"
Lap of plating 4" per centage of strength of longitudinal joint 66 working pressure of shell by rules 85 lbs
Size of manholes in shell 14" x 11" size of compensating rings 3" x 7/8"
No. of Furnaces in each boiler one outside diameter 36" length, top 6' 6" bottom 8' 2"
Thickness of plates 1/2 description of joint lap if rings are fitted no greatest length between rings 30"
Working pressure of furnace by the rules 249 lbs
Combustion chamber plating, thickness, sides 1/2 back 1/2 top 1/2
Pitch of stays to ditto sides 5" x 7" back 5" x 5" top circular
If stays are fitted with nuts or riveted heads rivetted heads working pressure of plating by rules 107 lbs
Diameter of stays at smallest part 7/8 working pressure of ditto by rules 103 lbs
End plates in steam space, thickness 11/16 & 10/16 bare pitch of stays to ditto 10" how stays are secured nuts & washers
Working pressure by rules 120 lbs diameter of stays at smallest part 1" 3/4 working pressure by rules 174 lbs
Front plates at bottom, thickness 11/16 Back plates, thickness 10/16 bare greatest pitch of stays working pressure by rules

Diameter of tubes *2 3/4* pitch of tubes *3 5/8 bare* thickness of tube plates, front *11/16* back *11/16*
How stayed *Stay tubes* pitch of stays *12" x 1 1/4"* width of water spaces *in tubes 3/4 full - at back of combustion cham*
Dimensions Diameter of Superheater or Steam chest *55" x 43"* length *height 30"* *for 5° of attitudes 3"*
Thickness of plates *1/2 full* description of longitudinal joint *double* diameter of rivet holes *3/4* pitch of rivets *2 1/4*
Working pressure of shell by rules *108* Diameter of flue *23"* thickness of plates _____
If stiffened with rings _____ distance between rings _____ Working pressure by rules _____
End plates of superheater, or steam chest; thickness *10/16* How stayed *one central stay bolt 2" dia & two cross stays of*
Superheater or steam chest; how connected to boiler *rivetted to the boiler shell* *plate iron 10" x 1/2"*

DONKEY BOILER— Description *None*
Made at _____ By whom made _____ when made _____
Where fixed _____ working pressure _____ Tested by hydraulic pressure to _____ No. of Certificate _____
Fire grate area _____ Description of safety valves _____ No. of safety valves _____ area of each _____
If fitted with easing gear _____ If steam from main boilers can enter the donkey boiler _____
Diameter of donkey boiler _____ length _____ description of riveting _____
thickness of shell plates _____ diameter of rivet holes _____ whether punched or drilled _____
pitch of rivets _____ lap of plating _____ per centage of strength of joint _____
thickness of crown plates _____ stayed by _____
Diameter of furnace, top _____ bottom _____ length of furnace _____
thickness of plates _____ description of joint _____
thickness of furnace crown plates _____ stayed by _____
Working pressure of shell by rules _____ working pressure of furnace by rules _____
diameter of uptake _____ thickness of plates _____ thickness of water tubes _____
The foregoing is a correct description,
Manufacturer. _____

General Remarks (State quality of workmanship, opinions as to class, &c. *The Engine & Boiler are*
in good order & safe working condition and eligible in my opinion
to be noted in the Register Book - Lloyd's M. C. 3. 82.

*This submission that the
vessel is eligible to have
the notation entered & signed
Remond M 30/3/82*

The amount of Entry Fee .. £ *1 : 0 : 0* received by me, _____
Special *M.C.* .. £ *8 : 0 : 0*
Certificate (if required) .. £ *: 2 : 6* 18
To be sent as per margin.
(Travelling Expenses, if any, £ *2, 0, 0.*)

Committee's Minute *Friday, March, 31st, 1882*
+ Lloyd's M.C.

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