

REPORT ON MACHINERY.

468

RECEIVED 23th, MAR. 82
(Received in London Office 18)

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

Master Angelo Sturlese Built at Senoa When built 1882

Machines made at Senoa By whom made E. Bravero & Co when made 1882

Boilers made at Senoa By whom made E. Bravero & Co when made 1882

Registered Horse Power 20 Owners Societa di Monteponi Port belonging to Carlo Forte

ENGINES, &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 7/16 Diameter of Crank pin 4 5/16 size of Crank webs 5x2 1/2

Diameter of screw 4.9" Pitch of screw 8.2" 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

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 one 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 5/8"

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

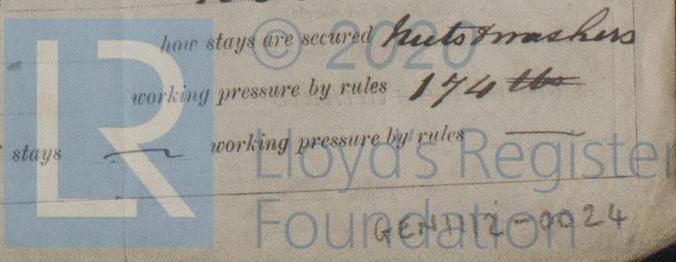
If stays are fitted with nuts or riveted heads rivelled heads working pressure of plating by rules 107 lbs

Diameter of stays at smallest part 7/8 working pressure of ditto by rules 103 lbs

End plates in steam space, thickness 11/16 to 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 $2 \frac{3}{4}$ pitch of tubes $3 \frac{5}{8}$ bare thickness of tube plates, front $11/16$ back $11/16$
 How stayed *Stay tubes* pitch of stays $12" \times 14"$ width of water spaces *in tubes $3/16$ full - as back of combustion cham - for 5° of tubes $3"$*
 Dimensions Diameter of Superheater or Steam chest $55" \times 43"$ length *height $30"$*
 Thickness of plates $1/2$ full description of longitudinal joint *double* diameter of rivet holes $3/16$ pitch of rivets $2 \frac{1}{4}$
 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 plate iron $10" \times 1/2$*
 Superheater or steam chest; how connected to boiler *rivetted to the boiler shell*

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 Engines & 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 note entered & signed 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.)

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

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

