

Rpt. 4.

REPORT ON MACHINERY.

No. 17732

Received at London Office

Date of writing Report 10/20 When handed in at Local Office 5/11/1920 Port of Greenock

No. in Survey held at Greenock Date, First Survey 9th January 1913 Last Survey 5th Nov 1920
Reg. Book. on the steamer Aldecoa (Number of Visits 161) 55th 17.

Master Built at Bilbao By whom built Sociedad G. G. G. When built 1920

Engines made at Greenock By whom made John S. Sinclair & Co. when made 1920

Boilers made at By whom made Salcock Wilson when made 1920

Registered Horse Power Owners Port belonging to

Nom. Horse Power as per Section 28 601. Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

ENGINES, &c.—Description of Engines Triple Compound No. of Cylinders Three No. of Cranks Three

Dia. of Cylinders 27-44-73 Length of Stroke 48 Revs. per minute 75 Dia. of Screw shaft as per rule 14.57 Material of screw shaft 15

Is the screw shaft fitted with a continuous liner the whole length of the stern tube Is the after end of the liner made water tight

in 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

liners are fitted, is the shaft lapped or protected between the liners Length of stern bush 60

Dia. of Tunnel shaft as per rule 15.33 Dia. of Crank shaft journals as per rule 15.99 Dia. of Crank pin 14 Size of Crank webs 21.9 Dia. of thrust shaft under

collars 14.0 Dia. of screw 18.0 Pitch of Screw 17.0 No. of Blades 4 State whether moveable Total surface 107.4

No. of Feed pumps Diameter of ditto 4 Stroke 27 Can one be overhauled while the other is at work

No. of Bilge pumps Diameter of ditto 4 Stroke 27 Can one be overhauled while the other is at work

No. of Donkey Engines Sizes of Pumps 14-18 9 1/2-18 11 1/2-12 No. and size of Suctions connected to both Bilge and Donkey pumps

In Engine Room In Holds, &c.

Circulating Pump Separate Engine

No. of Bilge Injections sizes 9 Connected to condenser, or to circulating pump Is a separate Donkey Suction fitted in Engine room & size 2 1/2

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

What pipes are carried through the bunkers 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

Is the Screw Shaft Tunnel watertight Is it fitted with a watertight door worked from

OILERS, &c.—(Letter for record) Manufacturers of Steel

Total Heating Surface of Boilers 9636 Is Forced Draft fitted No. and Description of Boilers Three Water Tube

Working Pressure 150 lb Tested by hydraulic pressure to Date of test No. of Certificate

Can each boiler be worked separately Area of fire grate in each boiler No. and Description of Safety Valves to

each boiler Area of each valve Pressure to which they are adjusted Are they fitted with easing gear

Smallest distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers Length Material of shell plates

Thickness Range of tensile strength Are the shell plates welded or flanged Descrip. of riveting: cir. seams

long. seams Diameter of rivet holes in long. seams Pitch of rivets Lap of plates or width of butt straps

Per centages of strength of longitudinal joint Working pressure of shell by rules Size of manhole in shell

Size of compensating ring No. and Description of Furnaces in each boiler Material Outside diameter

Length of plain part top Thickness of plates crown Description of longitudinal joint No. of strengthening rings

Working pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom

Pitch of stays to ditto: Sides Back Top If stays are fitted with nuts or riveted heads Working pressure by rules

Material of stays Area at smallest part Area supported by each stay Working pressure by rules End plates in steam space:

Material Thickness Pitch of stays How are stays secured Working pressure by rules Material of stays

Area at smallest part Area supported by each stay Working pressure by rules Material of Front plates at bottom

Thickness Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules

Diameter of tubes Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays

Pitch across wide water spaces Working pressures by rules Girders to Chamber tops: Material Depth and

thickness of girder at centre Length as per rule Distance apart Number and pitch of stays in each

Working pressure by rules Steam dome: description of joint to shell. % of strength of joint

Diameter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes

Pitch of rivets Working pressure of shell by rules Crown plates Thickness How stayed

PERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

Date of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

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