

REPORT ON MACHINERY.

No. 19663

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of writing Report 2 Nov 1919 When handed in at Local Office 1919 Port of Harport Mon
 in Survey held at Chapstow Date, First Survey 11 April Last Survey 29 Oct 1919
 Book. on the S/S War Apple (H Glass) (Number of Visits 18)

ter Built at Chapstow By whom built E. Smith & Co (1916) Ltd Tons ^{Gross} 2590 _{Net} 1422
 ines made at Harport By whom made McKie & Burtin When built 1919
 lers made at Adbury By whom made Edwin Banks & Co when made 1919
 istered Horse Power _____ when made 1919

Horse Power as per Section 28 331 Owners A Maritima Sociedade Anonima de Responsabilidade Ltd Port belonging to London
 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

INES, &c.—Description of Engines See also Report No 38750

No. of Cylinders _____ No. of Cranks _____
 Length of Stroke _____ Revs. per minute _____
 Dia. of Screw shaft _____ as per rule _____ Material of screw shaft _____
 Is the after end of the liner made water tight _____
 If the liner does not fit tightly at the part _____
 Is the space charged with a plastic material insoluble in water and non-corrosive _____
 If two _____
 Length of stern bush _____

Dia. of screw _____ Pitch of Screw _____ No. of Blades _____ State whether moveable _____ Total surface _____
 of Feed pumps 1 Main Diameter of ditto 10 1/2 in Stroke 18 Can one be overhauled while the other is at work
1 Aux Diameter of ditto 7 in Stroke 18 Can one be overhauled while the other is at work
 of Bilge pumps 2 in Eng Diameter of ditto 3 in Stroke 18 Can one be overhauled while the other is at work
1 Independent Diameter of ditto 10 1/2 in Stroke 18 Can one be overhauled while the other is at work

of Donkey Engines _____ No. and size of Suctions connected to both Bilge and Donkey pumps _____
 Engine Room Port aft 3 1/2 Stokehold Port 3 1/2 In Holds, &c. Fore hold P.S 3 No 2 hold P.S 3
St 3 1/2 St 3 1/2 No 3 hold P.S 3 No 4 3 Summit tank 3

Bilge Injections 1 sizes 9 1/2 Connected to condenser or to circulating pump Is a separate Donkey Suction fitted in Engine room & size Yes 3 1/2
 Are the roses in Engine room always accessible Are the sluices on Engine room bulkheads always accessible

Are the Discharge Pipes above or below the deep water line Except in bilge
 Are they Valves or Cocks Valves, except blow downs
 Are the Blow Off Cocks fitted with a spigot and brass covering plate

How are they protected Wood casings
 Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times

Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges
 Screw Shaft Tunnel watertight Is it fitted with a watertight door worked from Eng. Room top platform

ERS, &c.—(Letter for record _____) Manufacturers of Steel 2 Sterling boilers made by British Corporation
 Heating Surface of Boilers 5140 sq ft Is Forced Draft fitted No. and Description of Boilers 2 Sterling Water tube Marine
 Working Pressure 180 lbs Tested by hydraulic pressure to 290 lbs in slip Date of test 5. 26. 9. 19 No. of Certificate Not issued

Can boiler be worked separately Area of fire grate in each boiler 67.75 sq ft No. and Description of Safety Valves to _____
 No. 2 Spring loaded Area of each valve 8.945 sq in Pressure to which they are adjusted 180 lbs Are they fitted with easing gear

Distance between boilers or uptakes and bunkers or woodwork Well clear Mean dia. of boilers _____ Length _____ Material of shell plates _____
 Range of tensile strength _____ Are the shell plates welded or flanged _____ Descrip. of riveting: cir. seams _____

Diameter of rivet holes in long. seams _____ Pitch of rivets _____ Lap of plates or width of butt straps _____
 Working pressure of shell by rules _____ Size of manhole in shell _____

No. and Description of Furnaces in each boiler _____ Material _____ Outside diameter _____
 Thickness of plates _____ Description of longitudinal joint _____ No. of strengthening rings _____

Working pressure of furnace by the rules _____ Combustion chamber plates: Material _____ Thickness: Sides _____ Back _____ Top _____ Bottom _____
 If stays are fitted with nuts or riveted heads _____ Working pressure by rules _____

Area at smallest part _____ Area supported by each stay _____ Working pressure by rules _____ End plates in steam space: _____
 Thickness _____ Pitch of stays _____ How are stays secured _____ Working pressure by rules _____ Material of stays _____

Area supported by each stay _____ Working pressure by rules _____ Material of Front plates at bottom _____
 Material of Lower back plate _____ Thickness _____ Greatest pitch of stays _____ Working pressure of plate by rules _____

Pitch of tubes _____ Material of tube plates _____ Thickness: Front _____ Back _____ Mean pitch of stays _____
 Working pressures by rules _____ Girders to Chamber tops: Material _____ Depth and _____

Length as per rule _____ Distance apart _____ Number and pitch of stays in each _____
 Steam dome: description of joint to shell _____ % of strength of joint _____
 Thickness of shell plates _____ Material _____ Description of longitudinal joint _____ Diam. of rivet holes _____

Working pressure of shell by rules _____ Crown plates _____ Thickness _____ How stayed _____
 SUPERHEATER. Type _____ Date of Approval of Plan _____ Tested by Hydraulic Pressure to _____
 Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler _____
 Pressure to which each is adjusted _____ Is Easing Gear fitted _____



