

Rpt. 4.

REPORT ON MACHINERY.

No. 80591.

Date of writing Report 18 Jan 1918 When handed in at Local Office 15 FEB 1918 to Port of London Recorded at London Office 15 FEB 1918

No. in Survey held at Newbury Date, First Survey April 21st 11 Last Survey Jan 11 1918
 Reg. Book. on the Argus "No 2266" (Number of Visits 5)

Master Newbury Built at Newbury By whom built Plenty & Son Ltd Tons Gross Net When built

Engines made at Newbury By whom made Plenty & Son Ltd when made 1918

Boilers made at Newbury By whom made Plenty & Son Ltd when made 1918

Registered Horse Power 13 Owners Newbury Port belonging to Newbury

Nom. Horse Power as per Section 28 13 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted No

ENGINES, &c.—Description of Engines Comp. Super Condensing No. of Cylinders 2 No. of Cranks 2

Dia. of Cylinders 13" - 26" Length of Stroke 16" Revs. per minute 110 Dia. of Screw shaft 5 1/8" Material of screw shaft Steel

Is the screw shaft fitted with a continuous liner the whole length of the stern tube No Is the after end of the liner made water tight in the propeller boss No

If the liner is in more than one length are the joints burned No 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 No

If two liners are fitted, is the shaft lapped or protected between the liners No Length of stern bush 5"

Dia. of Tunnel shaft 5" Dia. of Crank shaft journals 5 1/4" Dia. of Crank pin 5 1/4" Size of Crank webs 11 x 3 1/2" Dia. of thrust shaft under collars 5 1/4" Dia. of screw 5" Pitch of Screw 16" No. of Blades 2 State whether moveable No Total surface 110 sq ft

No. of Feed pumps one Diameter of ditto 2" Stroke 8 1/2" Can one be overhauled while the other is at work No

No. of Bilge pumps one Diameter of ditto 2" Stroke 8 1/2" Can one be overhauled while the other is at work No

No. of Donkey Engines one Sizes of Pumps 1 1/2" No. and size of Suctions connected to both Bilge and Donkey pumps one 1 1/2"

In Engine Room one In Holds, &c. one

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

Are all the bilge suction pipes fitted with roses No Are the roses in Engine room always accessible No Are the sluices on Engine room bulkheads always accessible No

Are all connections with the sea direct on the skin of the ship No Are they Valves or Cocks No

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates No Are the Discharge Pipes above or below the deep water line No

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

What pipes are carried through the bunkers one How are they protected by covers

Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times No

Are the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges No

Is the Screw Shaft Tunnel watertight No Is it fitted with a watertight door No worked from Engine Room

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

Total Heating Surface of Boilers 127 sq ft Is Forced Draft fitted No No. and Description of Boilers one 127 sq ft

Working Pressure 127 lbs Tested by hydraulic pressure to 127 lbs Date of test 1918 No. of Certificate 127

Can each boiler be worked separately No Area of fire grate in each boiler 127 sq ft No. and Description of Safety Valves to each boiler one 127 lbs

Area of each valve 127 sq ft Pressure to which they are adjusted 127 lbs Are they fitted with easing gear No

Smallest distance between boilers or uptakes and bunkers or woodwork 127 sq ft Mean dia. of boilers 127 sq ft Length 127 sq ft Material of shell plates Steel

Thickness 127 sq ft Range of tensile strength 127 sq ft Are the shell plates welded or flanged No Descrip. of riveting: cir. seams 127 sq ft

long. seams 127 sq ft Diameter of rivet holes in long. seams 127 sq ft Pitch of rivets 127 sq ft Lap of plates or width of butt straps 127 sq ft

Per centages of strength of longitudinal joint 127 sq ft Working pressure of shell by rules 127 lbs Size of manhole in shell 127 sq ft

Size of compensating ring 127 sq ft No. and Description of Furnaces in each boiler one 127 sq ft Material Steel Outside diameter 127 sq ft

Length of plain part 127 sq ft Thickness of plates 127 sq ft Description of longitudinal joint 127 sq ft No. of strengthening rings 127 sq ft

Working pressure of furnace by the rules 127 lbs Combustion chamber plates: Material Steel Thickness: Sides 127 sq ft Back 127 sq ft Top 127 sq ft Bottom 127 sq ft

Pitch of stays to ditto: Sides 127 sq ft Back 127 sq ft Top 127 sq ft If stays are fitted with nuts or riveted heads No Working pressure by rules 127 lbs

Material of stays Steel Area at smallest part 127 sq ft Area supported by each stay 127 sq ft Working pressure by rules 127 lbs End plates in steam space: 127 sq ft

Material Steel Thickness 127 sq ft Pitch of stays 127 sq ft How are stays secured 127 sq ft Working pressure by rules 127 lbs Material of stays Steel

Area at smallest part 127 sq ft Area supported by each stay 127 sq ft Working pressure by rules 127 lbs Material of Front plates at bottom 127 sq ft

Thickness 127 sq ft Material of Lower back plate 127 sq ft Thickness 127 sq ft Greatest pitch of stays 127 sq ft Working pressure of plate by rules 127 lbs

Diameter of tubes 127 sq ft Pitch of tubes 127 sq ft Material of tube plates 127 sq ft Thickness: Front 127 sq ft Back 127 sq ft Mean pitch of stays 127 sq ft

Pitch across wide water spaces 127 sq ft Working pressures by rules 127 lbs Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 127 sq ft

Length as per rule 127 sq ft Distance apart 127 sq ft Number and pitch of stays in each 127 sq ft

Working pressure by rules 127 lbs Steam dome: description of joint to shell 127 sq ft % of strength of joint 127%

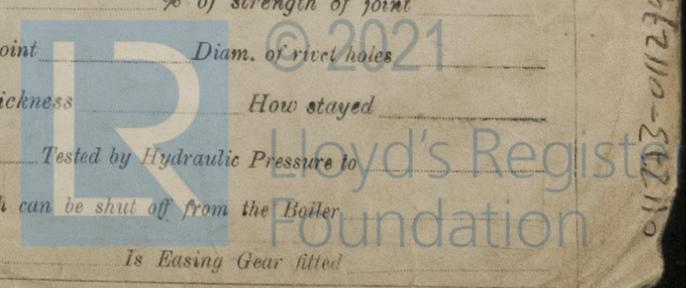
Diameter 127 sq ft Thickness of shell plates 127 sq ft Material Steel Description of longitudinal joint 127 sq ft Diam. of rivet holes 127 sq ft

Pitch of rivets 127 sq ft Working pressure of shell by rules 127 lbs Crown plates 127 sq ft Thickness 127 sq ft How stayed 127 sq ft

SUPERHEATER. Type Horizontal Date of Approval of Plan 1918 Tested by Hydraulic Pressure to 127 lbs

Date of Test 1918 Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler No

Material of Safety Valve Steel Pressure to which each is adjusted 127 lbs Is Easing Gear fitted No



01173-011274-0030

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,

PLENTY & SON, LIMITED.

E. V. Plenty

Manufacturer.

Dates of Survey while building { During progress of work in shops - - } 1914: - Apr 21. June 8. July 21. (1917) July 12. (1918) Jan 14. { During erection on board vessel - - - } Total No. of visits 5.

Is the approved plan of main boiler forwarded herewith

Dates of Examination of principal parts - Cylinders 21.4.14 Slides 21.7.14 Covers 21.7.14 Pistons 21.7.14 Rods 21.7.14 Connecting rods 21.4.14 Crank shaft 21.4.14 Thrust shaft Tunnel shafts Screw shaft 21.7.14 Propeller 8.6.14

Stern tube 21.7.14 Steam pipes tested Engine and boiler seatings Engines holding down bolts Completion of pumping arrangements Boilers fixed Engines tried under steam Completion of fitting sea connections Stern tube Screw shaft and propeller Main boiler safety valves adjusted Thickness of adjusting washers

Material of Crank shaft Steel Identification Mark on Do. N° 3674 Material of Thrust shaft Identification Mark on Do.

Material of Tunnel shafts Identification Marks on Do. Material of Screw shaft Steel Identification Marks on Do. N° 854

Material of Steam Pipes Test pressure

Is an installation fitted for burning oil fuel Is the flash point of the oil to be used over 150°F.

Have the requirements of Section 49 of the Rules been complied with.

Is this machinery duplicate of a previous case If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c. Engines constructed under survey

Material tested, workmanship good. Engines originally constructed to order of M. Martinovich of Lussanpueolo Austria, now stated sold to the James dredger Co of Southampton - not assigned & any steel shafting not examined.

Certificate (if required) to be sent to The Surveyors are requested not to write on or below the space for Committee's Minute.

The amount of Entry Fee ... £ 1 : 0 : 0 When applied for, 15 FEB 1918 Special 2/3 Fee ... £ 5 : 6 : 8 Donkey Boiler Fee ... £ : : : Travelling Expenses (if any) £ 2 : 0 : 0 19.4.1918

Thomas Blackie Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 27 AUG 1926 Assigned See Rot. 28 Apr. No 15497

