

Date of writing Report May 10/16 When handed in at Local Office May 10/16 Port of Baltimore Md.
No. in Survey held at Sparrows Pt. Md. Date, First Survey 5th Aug 1915 Last Survey 12th May 1916
Reg. Book. on the Steamer "Munroplace" (Number of Vessels 53)
Master W. J. Connors Built at Sparrows Pt. Md. By whom built Maryland Steel Co. Tons 2105
Engines made at Sparrows Pt. Md. By whom made Maryland Steel Co. when made 1916
Boilers made at " By whom made " when made 1916
Registered Horse Power 449 Owners Munson Steamship Line Port belonging to New York
Nom. Horse Power as per Section 28 449 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

ENGINES, &c.—Description of Engines Triple Expansion Reciprocating of Cylinders 3 No. of Cranks 3
Dia. of Cylinders 24 1/4 - 41 - 68 Length of Stroke 48 Rets. per minute 85 Dia. of Screw shaft 16 3/8 Material of Ingot
Is the screw shaft fitted with a continuous liner the whole length of the stern tube Yes Is the after end of the liner made water tight
in the propeller boss Yes If the liner is in more than one length are the joints burned Electric 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 Yes If two
liners are fitted, is the shaft lapped or protected between the liners Yes Length of stern bush 4-11 1/2
Dia. of Tunnel shaft 12.93 Dia. of Crank shaft journals 13.125 Dia. of Crank pin 13 7/8 Size of Crank webs 52 x 9 1/2 Dia. of thrust shaft under
collars 13 7/8 Dia. of screw 17.3 Pitch of Screw 15.9 No. of Blades 4 State whether moveable No Total surface 89.88
No. of Feed pumps 2 Diameter of ditto 4 Stroke 18 Can one be overhauled while the other is at work Yes
No. of Bilge pumps 2 Diameter of ditto 4 Stroke 18 Can one be overhauled while the other is at work Yes
No. of Donkey Engines 4 Sizes of Pumps 2.9 x 6 x 12 2.10 x 10 x 12 No. and size of Suctions connected to both Bilge and Donkey pumps
In Engine Room 3 of 3 In Holds, &c. In Nos 1-2 & 3 each 2 of 3
No. of Bilge Injections 1 size 8 Connected to condenser, or to circulating pump Pump Is a separate Donkey Suction fitted in Engine room & size Yes - 4
Are all the bilge suction pipes fitted with roses Yes Are the roses in Engine room always accessible Yes Are the sluices on Engine room bulkheads always accessible none
Are all connections with the sea direct on the skin of the ship Yes Are they Valves or Cocks Both
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 Yes Are the Blow Off Cocks fitted with a spigot and braces covering plate Yes
What pipes are carried through the bunkers None How are they protected Yes
Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times Yes
Are the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges Yes
Dates of examination of completion of fitting of Sea Connections 31/3/16 of Stern Tube 27/3/16 Screw shaft and Propeller 31/3/16
Is the Screw Shaft Tunnel watertight Yes Is it fitted with a watertight door Yes worked from Upper & R Platform

BOILERS, &c.—(Letter for record S.) Manufacturers of Steel Lukens Iron & Steel Co. Pa.
Total Heating Surface of Boilers 6397 Is Forced Draft fitted Yes No. and Description of Boilers 2 - Scotch
Working Pressure 200 lb Tested by hydraulic pressure to 300 lb Date of test 8/2/16 No. of Certificate PM 2
Can each boiler be worked separately Yes Area of fire grate in each boiler 71.77 No. and Description of Safety Valves to
each boiler 2 Direct Spring Area of each valve 9.62 Pressure to which they are adjusted 200 lb Are they fitted with easing gear Yes
Smallest distance between boilers or uptakes and bunkers or woodwork 2'-10" Mean dia. of boilers 16'-0" Length 11'-6" Material of shell plates S.
Thickness 1 1/32 Range of tensile strength 28/32 tons Are the shell plates welded or flanged No Descrip. of riveting: cir. seams D. R. L.
long. seams T. R. B. Diameter of rivet holes in long. seams 1 1/16 Pitch of rivets 10/16 - 5/8 Lap of plates or width of butt straps 25/4 - 15/16
Per centages of strength of longitudinal joint 91.52 Working pressure of shell by rules 205 Size of manhole in shell 12" x 16"
Size of compensating ring 30 x 34 fl No. and Description of Furnaces in each boiler 4 Morrison Material S. Outside diameter 25 3/8
Length of plain part top Thickness of plates bottom 19/32 Description of longitudinal joint Welded No. of strengthening rings Yes
Working pressure of furnace by the rules 208.9 Combustion chamber plates: Material S. Thickness: Sides 9/16 Back 9/16 Top 7/16 Bottom 7/8
Pitch of stays to ditto: Sides 7 x 7 1/4 Back 7 x 7 1/4 Top 7 x 7 1/8 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 213
Material of stays S. Diameter at smallest part 1.394 Area supported by each stay 50.75 Working pressure by rules 219 End plates in steam space:
Material S. Thickness 1" Pitch of stays 14 1/4 x 14 3/4 How are stays secured In & W Working pressure by rules 225 Material of stays S.
Diameter at smallest part 5.41 Area supported by each stay 210 Working pressure by rules 268 Material of Front plates at bottom S.
Thickness 3/4 Material of Lower back plate S. Thickness 3/4 Greatest pitch of stays 15" Working pressure of plate by rules 266
Diameter of tubes 2 1/2 Pitch of tubes 3 1/4 x 3 1/4 Material of tube plates S. Thickness: Front 3/4 Back 3/4 Mean pitch of stays 7 3/8
Pitch across wide water spaces 13/2 Working pressures by rules 249 Girders to Chamber tops: Material S. Depth and
thickness of girder at centre 9 1/4 x 1 3/4 Length as per rule 35 1/2 Distance apart 7 1/8 Number and pitch of stays in each 4 - 7"
Working pressure by rules 246 Superheater or Steam chest; how connected to boiler Yes Can the superheater be shut off and the boiler worked
separately Yes Diameter Yes Length Yes Thickness of shell plates Yes Material Yes Description of longitudinal joint Yes Diam. of rivet
holes Yes Pitch of rivets Yes Working pressure of shell by rules Yes Diameter of flue Yes Material of flue plates Yes Thickness Yes
If stiffened with rings Yes Distance between rings Yes Working pressure by rules Yes End plates: Thickness Yes How stayed Yes
Working pressure of end plates Yes Area of safety valves to superheater Yes Are they fitted with easing gear Yes

IS A DONKEY BOILER FITTED?

No

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied :-

2 Connecting rod top & 2 connecting rod bottom end bolts and nuts, 2 main bearing bolts, 1 set of coupling bolts, 1 set of feed & bilge pump valves, 1 set of piston rings & springs for each cylinder, a quantity of assorted bolts & nuts, iron of various sizes, spare propeller shaft, propeller, boiler & condenser tubes & spare valves & guards for donkey pumps etc

The foregoing is a correct description

Weyland Steel Company
By J. Anderson Esq. Manufacturer.

Dates of Survey while building
During progress of work in shops - 1915 Aug 5 Oct 6 13 21 Nov 3 5 8 15 19 23 30 Dec 10 14 16 17 21 29 Jan 3 6 13 18 19 21 28 Feb 2 4 16
During erection on board vessel - March 3 8 18 22 27 31 April 6 11 14 18 20 22 27 May 2 4 8 11 12
Total No. of visits 53

Is the approved plan of main boiler forwarded herewith

In London office

Dates of Examination of principal parts - Cylinders 7/3/16 Shells 7/3/16 Covers 7/3/16 Pistons 23/3/16 Rods 23/3/16
Connecting rods 4/2/16 Crank shaft 2/2/16 Thrust shaft 2/2/16 Tunnel shafts 15/2/16 Screw shaft 7/3/16 Propeller 3/3/16
Stern tube 23/2/16 Steam pipes tested 22/4/16 Engine and boiler seatings 18/4/16 Engines holding down bolts 18/4/16
Completion of pumping arrangements 2/5/16 Boilers fixed 18/4/16 Engines tried under steam 2/5/16
Main boiler safety valves adjusted 2/5/16 Thickness of adjusting washers S. P 3/16 S 1/2 P P 9/16 S 7/16
Material of Crank shaft Ingot S. Identification Mark on Do. No 253 Material of Thrust shaft S Identification Mark on Do. No 254
Material of Tunnel shafts S Identification Marks on Do. No 255 Material of Screw shafts Ingot Steel Identification Marks on Do. No 256
Material of Steam Pipes Copper Test pressure 400 lbs Share No 257 H.A.S.

Is an installation fitted for burning oil fuel

No

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

No

If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c.)

The Engines & Boilers of this vessel have been constructed in accordance with the Rules of this Society & the approved plans. The materials have been tested and the workmanship is good. The Engines & Boilers have been tried under steam and all worked satisfactorily rendering the machinery, in my opinion eligible for notation of L.M.C. 5.16. Forced Draught & electric light

It is submitted that this vessel is eligible for THE RECORD + L.M.C. 5.16. F.D.

The amount of Entry Fee ... £ 15.00

When applied for

Special ... £ 219.75

12/5/1916

Donkey Boilers Fee ... £

When received

Travelling Expenses (if any) £ 7.00

London cables £ 2.50

Committee's Minute

Assigned

FRI. 9 JUN. 1916

4 P.M.C. 5.16 F.D.

ARRR

JWD.

9/6/16

H.A. Stewart

Engineer-Surveyor to Lloyd's Register of British & Foreign Shipping



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