

Port of Hull

Received at London Office JUN 25 SEP 10 1905

No. in Survey held at Hull Date, first Survey April 11th Last Survey Sep 11th 1905
Reg. Book. 819 on the Screw Trawler "Amy"
Master Built at Goole By whom built Goole S.B. + R.C.
Engines made at Hull By whom made Carlis S.B. + G.C. Ltd. when made 1905
Boilers made at do By whom made do when made 1905
Registered Horse Power Owners J. Marr + Son Ltd. Port belonging to Fleetwood
Nom. Horse Power as per Section 28 64 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted No

ENGINES, &c.—Description of Engines Triple No. of Cylinders 3 No. of Cranks 3
Dia. of Cylinders 12, 20, 32 Length of Stroke 24 Revs. per minute 112 Dia. of Screw shaft as per rule 6.98 Material of Iron
as fitted 7.4 screw shaft

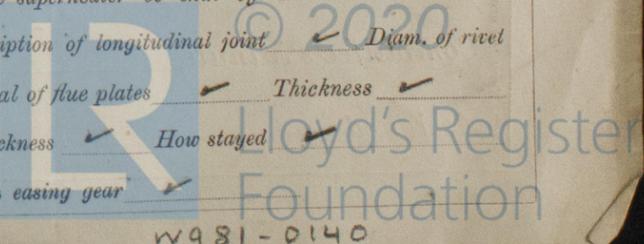
Is the screw shaft fitted with a continuous liner the whole length of the stern tube yes Is the after end of the liner made water tight
in the propeller boss yes If the liner is in more than one length are the joints burned If the liner does not fit tightly at the part
between the bearings in the stern 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 2-8
Dia. of Tunnel shaft as per rule 6.19 Dia. of Crank shaft journals as per rule 6.5 Dia. of Crank pin 6.4 Size of Crank webs 13.4 Dia. of thrust shaft under
collars 6.4 Dia. of screw 8-6 Pitch of screw 11-0 No. of blades 4 State whether moveable No Total surface 26 sq. ft.
No. of Feed pumps 1 Diameter of ditto 2.2 Stroke 10 Can one be overhauled while the other is at work
No. of Bilge pumps 1 Diameter of ditto 2.2 Stroke 10 Can one be overhauled while the other is at work
No. of Donkey Engines One Sizes of Pumps 4 x 2.25 x 4 No. and size of Suctions connected to both Bilge and Donkey pumps
In Engine Room One 2 dia In Holds, &c. Three 2.25 dia
Ejector suction from engine room bilge + holds + discharge on deck
No. of bilge injections 1 sizes 3.2 Connected to condenser, or to circulating pump Cond. Is a separate donkey suction fitted in Engine room & size 2.25 ejector
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
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 brass covering plate yes
What pipes are carried through the bunkers Hold suction How are they protected Wood casing
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
When were stern tube, propeller, screw shaft, and all connections examined in dry dock Before launch the screw shaft tunnel watertight
Is it fitted with a watertight door worked from

BOILERS, &c.— (Letter for record (5) Total Heating Surface of Boilers 1110 sq. ft. Is forced draft fitted No

No. and Description of Boilers One 3 cyl. Milt. Working Pressure 180 lbs Tested by hydraulic pressure to 360 lbs
Date of test 28.7.05 Can each boiler be worked separately Area of fire grate in each boiler 33 sq. ft. No. and Description of safety valves to
each boiler two direct spring Area of each valve 3.9 Pressure to which they are adjusted 1 Are they fitted with easing gear yes
Smallest distance between boilers or uptakes and bunkers or woodwork 6 dia. of boilers 12-0 Length 10-0 Material of shell plates Steel
Thickness 1 Range of tensile strength 28-32 Are they welded or flanged Descrip. of riveting: cir. seams BR Lap long. seams AB.S. 5 Rivets
Diameter of rivet holes in long. seams 1 Pitch of rivets 6 1/16 Top of plates or width of butt straps 14 1/2
Per centages of strength of longitudinal joint rivets 85.6 Working pressure of shell by rules 182 lbs Size of manhole in shell 16 x 12
plate 85.3
Size of compensating ring 2-6 x 2-4 x 1 No. and Description of Furnaces in each boiler two plain Material Steel Outside diameter 3-5
Length of plain part top 6-4 Thickness of plates crown 3/4 Description of longitudinal joint Welded No. of strengthening rings
bottom 5-9 bottom 3/4
Working pressure of furnace by the rules 181 lbs Combustion chamber plates: Material Steel Thickness: Sides 5/8 Back 5/8 Top 5/8 Bottom 5/8
Pitch of stays to ditto: Sides 8 x 7 1/2 Back 8 1/4 x 7 Top 8 x 7 1/2 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 224 lbs
Material of stays Steel Diameter at smallest part 1 3/8 Area supported by each stay 60 Working pressure by rules 197 lbs End plates in steam space:
Material Steel Thickness 1 Pitch of stays 16 x 15 1/2 How are stays secured Nuts Working pressure by rules 181 lbs Material of stays Steel
Diameter at smallest part 2 9/16 Area supported by each stay 248 Working pressure by rules 207 lbs Material of Front plates at bottom Steel
Thickness 7/8 Material of Lower back plate Steel Thickness 2 3/4 Greatest pitch of stays 16 x 11 1/2 Working pressure of plate by rules 278 lbs
Diameter of tubes 3 1/4 Pitch of tubes 5 x 4 3/4 Material of tube plates Steel Thickness: Front 7/8 Back 13/16 Mean pitch of stays 10 x 9 1/2
Pitch across wide water spaces 13 1/2 Working pressures by rules 183 lbs Girders to Chamber tops: Material Steel Depth and
thickness of girder at centre 8 1/2 x 1 3/4 Length as per rule 2-8 1/2 Distance apart 8 Number and pitch of Stays in each 3 2 7 1/2
Working pressure by rules 195 lbs Superheater or Steam chest; how connected to boiler none Can the superheater be shut off and the boiler worked
separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet
holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
If stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed
Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

If not, state whether, and when, one will be sent? Is a Report also sent on the Hull of the Ship?

2000-604-Copyable Ink.



**DONKEY BOILER**— No. \_\_\_\_\_ Description \_\_\_\_\_

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 \_\_\_\_\_ Pressure to which they are adjusted \_\_\_\_\_ If fitted with casing gear \_\_\_\_\_ If steam from main boilers can enter the donkey boiler \_\_\_\_\_

Di. of donkey boiler \_\_\_\_\_ Length \_\_\_\_\_ Material of shell plates \_\_\_\_\_ Thickness \_\_\_\_\_ Range of tensile strength \_\_\_\_\_

Descrip. of riveting long. seams \_\_\_\_\_ Dia. of rivet holes \_\_\_\_\_ Whether punched or drilled \_\_\_\_\_ Pitch of rivets \_\_\_\_\_

Lap of plating \_\_\_\_\_ Per centage of strength of joint \_\_\_\_\_ Rivets \_\_\_\_\_ Thickness of shell crown plates \_\_\_\_\_ Radius of do. \_\_\_\_\_ No. of Stays to do. \_\_\_\_\_

Di. of stays. \_\_\_\_\_ Diameter of furnace Top \_\_\_\_\_ Bottom \_\_\_\_\_ Length of furnace \_\_\_\_\_ Thickness of furnace 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 uptake plates \_\_\_\_\_ Thickness of water tubes \_\_\_\_\_

**SPARE GEAR.** State the articles supplied:— *Two top-end + two bottom-end connecting rod bolts + nuts. Two main bearing bolts + nuts. One set of coupling bolts + nuts. One set of feed + bilge pump valves. Main + donkey feed check valves. Assorted bolts + nuts &c.*

The foregoing is a correct description,

*F. J. Paletkorp* Manufacturer.

Dates of Survey while building { During progress of work in shops - - 1905: - Apr 11, 25, 28. May 11, 18, 22, 25, 31. Jun 2, 7, 14, 15, 19, 23, Jul 6, July 18, 21, 25, 28, Aug 29, 31 Sep 11.

Total No. of visits 22

Is the approved plan of main boiler forwarded herewith *yes* (To be returned)

“ “ “ donkey “ “ “ ✓

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

*The Engines and Boiler of this vessel have been constructed under Special Survey, are of good material and workmanship, and have been fitted and secured on board in accordance with the Rules. They are now in good working condition and in my opinion eligible to have the notation of +LMC 9.05 in the Register Book.*

**It is submitted that this vessel is eligible for PHE RECORD**

*L.M.C. 9.05*

*Publ.*

*25-9-05*

*J.M.*

Certificate (if required) to be sent to Hull

The amount of Entry Fee... £ 1 : : : When applied for, 23/9/05

Special ... £ 9 : 12 : : When received, 20/10/05

Donkey Boiler Fee ... £ - : - : :

Travelling Expenses (if any) £ - : 6 4 : :

*J. Kerr*  
Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute

Assigned

TUES. 26 SEP 1905

+ L.M.C. 9.05



MACHINERY CERTIFICATE WRITTEN.