

Port of Hull

Received at London Office FRI. 30 MAR 1906

No. in Survey held at Hull Date, first Survey Sep 12/05 Last Survey Mar 16th 1906
 Reg. Book. for Supp. on the Screw Trawler "Gladys" (Number of Visits 17)
 Master Hull Built at Hull By whom built Carlisle J. & Co. G. L. When built 1906 Tons Gross 275 Net 97
 Engines made at Hull By whom made Carlisle J. & Co. G. L. when made 1906
 Boilers made at do By whom made do when made 1906
 Registered Horse Power 79 Owners Fleetwood Steam Fishing Co., Ltd Port belonging to Fleetwood
 Nom. Horse Power as per Section 28 79 Is Refrigerating Machinery fitted No Is Electric Light fitted No

ENGINES, &c.—Description of Engines Triple No. of Cylinders 3 No. of Cranks 3

Dia. of Cylinders 12 3/4, 22, 36 Length of Stroke 24 Revs. per minute 110 Dia. of Screw shaft as per rule 7.3 as fitted 8 Material of screw shaft Iron
 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 2-10 1/2
 Dia. of Tunnel shaft as per rule 6.49 as fitted 7 3/8 Dia. of Crank shaft journals as per rule 6.8 as fitted 7 1/2 Dia. of Crank pin 7 1/2 Size of Crank webs 4 1/4 x 4 3/8 Dia. of thrust shaft under collars 7 1/2 Dia. of screw 9.0 Pitch of screw 11.6 No. of blades 4 State whether moveable No Total surface 27 sq. ft.
 No. of Feed pumps 1 Diameter of ditto 3 Stroke 12 Can one be overhauled while the other is at work ✓
 No. of Bilge pumps 1 Diameter of ditto 3 Stroke 12 Can one be overhauled while the other is at work ✓
 No. of Donkey Engines One Sizes of Pumps 6 x 3 x 6 No. and size of Suctions connected to both Bilge and Donkey pumps
 In Engine Room One 2" dia. In Holds, &c. Four 2" dia.
Ejector suction from all bilges + discharge on deck.
 No. of bilge injections 1 sizes 3 1/2 Connected to condenser, or to circulating pump cond. Is a separate donkey suction fitted in Engine room & size 3 1/2 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, for suction + winch pipes How are they protected Wood + iron 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 None
 Is it fitted with a watertight door ✓ worked from ✓

BOILERS, &c.— (Letter for record (5)) Total Heating Surface of Boilers 1370 sq. ft. Is forced draft fitted No

No. and Description of Boilers One S. E. by M. Hull Working Pressure 180 lbs Tested by hydraulic pressure to 360 lbs
 Date of test 13.2.06 Can each boiler be worked separately ✓ Area of fire grate in each boiler 35 sq. ft. No. and Description of safety valves to each boiler Two direct spring area of each valve 4.9 Pressure to which they are adjusted 185 lbs Are they fitted with easing gear yes
 Smallest distance between boilers or uptakes and bunkers or woodwork 10 int dia. of boilers 12.9 Length 10.6 Material of shell plates Steel
 Thickness 1 1/16 Range of tensile strength 28-32 Are they welded or flanged No Descrip. of riveting: cir. seams AR Lap long. seams 5/8, 5/8 Rivets
 Diameter of rivet holes in long. seams 1 1/16 Pitch of rivets 7 1/8 top of plates width of butt straps 15 1/2
 Per centages of strength of longitudinal joint rivets 87 plate 85 Working pressure of shell by rules 182 lbs Size of manhole in shell 16 x 12
 Size of compensating ring 2-7 x 2-4 x 1 1/16 No. and Description of Furnaces in each boiler Two plain Material Steel Outside diameter 3-8 1/2
 Length of plain part top 5.9 bottom 5.22 Thickness of plates crown 3/4 bottom 3/4 Description of longitudinal joint Welded No. of strengthening rings ✓
 Working pressure of furnace by the rules 180 lbs Combustion chamber plates: Material Steel Thickness: Sides 5/8 Back 2/32 Top 5/8 Bottom 5/8
 Pitch of stays to ditto: Sides 8 1/2 x 8 1/4 Back 9 1/4 x 8 Top 8 3/4 x 8 1/2 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 181 lbs
 Material of stays Steel Diameter at smallest part 1 1/2 Area supported by each stay 74 Working pressure by rules 190 lbs End plates in steam space: Material Steel Thickness 1 1/8 Pitch of stays 17 1/2 x 17 1/2 How are stays secured Nuts Working pressure by rules 180 lbs Material of stays Steel
 Diameter at smallest part 2 1/16 Area supported by each stay 306 Working pressure by rules 203 lbs Material of Front plates at bottom Steel
 Thickness 15/16 Material of Lower back plate Steel Thickness 3/4 Greatest pitch of stays 17 x 13 1/2 Working pressure of plate by rules 230 lbs
 Diameter of tubes 3 1/2 Pitch of tubes 5 x 4 1/4 Material of tube plates Steel Thickness: Front 15/16 Back 13/16 Mean pitch of stays 10 x 9 1/2
 Pitch across wide water spaces 14 1/2 Working pressures by rules 182 lbs Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 10 x 1 3/4 Length as per rule 3-0 Distance apart 8 3/4 Number and pitch of Stays in each 3 @ 8 1/2
 Working pressure by rules 198 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?

2000-5-03-Copyable InL.

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 easing gear If steam from main boilers can enter the donkey boiler
 Dia. 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.
 Dia. 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 + 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 etc.*
 The foregoing is a correct description,

Manufacturer. *Hammell*

Dates of Survey while building } During progress of work in shops - - }
 } During erection on board vessel - - } *Feb 13. 22. Mar 5. 6. 16*
 Total No. of visits *17*
 MANAGER. 1905:- *Sep 12. Nov 6. 28. Dec 8. 9. 19. 30. 1906: Jan 10. 20. 23. 30 Feb 7.*
 Is the approved plan of main boiler forwarded herewith *R/L No. 17558*
 " " " 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 3, 06 in the Register Book.

This vessel is a duplicate of the S.S. "Crown" Hull Report No. 17558.

It is submitted that this vessel is eligible for THE RECORD L.M.C. 3.06.

JMS
30.3.06
30.3.06

The amount of Entry Fee. £ 1 : . : . }
 Special £ 11 : 17 : . }
 Donkey Boiler Fee £ . : . : . }
 Travelling Expenses (if any) £ . : . : . }
 When applied for, *28/3/1906*
 When received, *28/4/06*

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

Committee's Minute **TUES. 3 APR 1906**
 Assigned *+ LMC 3.06*



MACHINERY CERTIFICATE WRITTEN.

Certificate (if required) to be sent to Hull