

# REPORT ON MACHINERY.

No. 17006

Port of Hull

Received at London Office JUL 25 JUL 1905

Hull

Date, first Survey Apr 11<sup>th</sup> Last Survey July 1<sup>st</sup> 1905

(Number of Visits 19)

new Trawler "Bute"

Tons { Gross 176  
Net 60

Built at Hull By whom built Charles S.B. & Co. L<sup>td</sup> When built 1905

Hull By whom made Charles S.B. & Co. L<sup>td</sup> when made 1905

do. By whom made do when made 1905

Owners Hull Steam Fishing & Ice Co. L<sup>td</sup> Port belonging to Hull

Section 28 45.6 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted No

Description of Engines Triple No. of Cylinders 3 No. of Cranks 3

17", 28" Length of Stroke 22" Revs. per minute 112 Dia. of Screw shaft 6.6" Material of screw shaft Iron

with a continuous liner the whole length of the stern tube yes Is the after end of the liner made water tight yes

If the liner is in more than one length are the joints burned yes If the liner does not fit tightly at the part the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive yes

shaft lapped or protected between the liners yes Length of stern bush 2.8 1/2"

Dia. of Crank shaft journals 5.57" as per rule 5.8" Dia. of Crank pin 6 1/4" Size of Crank webs 12 1/2 x 3 1/4" Dia. of thrust shaft under

pitch of screw 8-9" No. of blades 4 State whether moveable No Total surface 24 sq. ft.

Diameter of ditto 2 1/2" Stroke 11" Can one be overhauled while the other is at work yes

Diameter of ditto 2 1/2" Stroke 11" Can one be overhauled while the other is at work yes

Sizes of Pumps 6x3x6" 5x5x5" No. and size of Suctions connected to both Bilge and Donkey pumps 2

In Holds, &c. One 2" dia.

connected to condenser, or to circulating pump Cond. Is a separate donkey suction fitted in Engine room & size 3" injector

Are the roses in Engine room always accessible yes Are the sluices on Engine room bulkheads always accessible yes

Are they Valves or Cocks Both

Are the discharge pipes above or below the deep water line above

Are the blow off cocks fitted with a spigot and brass covering plate yes

How are they protected yes

Are the discharges in connection with the machinery and all boiler mountings accessible at all times yes

Are cocks, and valves arranged so as to prevent any communication between the sea and the bilges yes

Is the screw shaft tunnel watertight None

Is the door worked from yes

(Letter for record (5)) Total Heating Surface of Boilers 750 sq. ft. Is forced draft fitted No

Boilers One S.E. by Mr. Muller Working Pressure 200 lbs Tested by hydraulic pressure to 400 lbs

Can each boiler be worked separately yes Area of fire grate in each boiler 25 1/2 sq. ft. No. and Description of safety valves to

Area of each valve 3.14 sq. in. Pressure to which they are adjusted 185 lbs Are they fitted with easing gear yes

Mean dia. of boilers 10.6" Length 9.3" Material of shell plates Steel

Descrip. of riveting: cir. seams LR Lap long. seams 5/8 S. 5 Rivets

Pitch of rivets 7 1/4" Lap of plates 16" width of butt straps 16"

Working pressure of shell by rules 207 lbs Size of manhole in shell 16" x 12"

No. and Description of Furnaces in each boiler Two plain Material Steel Outside diameter 35.53"

Description of longitudinal joint Welded No. of strengthening rings yes

Material Steel Thickness: Sides 1/16" Back 5/8" Top 5/8" Bottom 1/16"

Working pressure by rules 230 lbs

Working pressure by rules 233 lbs End plates in steam space:

Working pressure by rules 208 lbs Material of stays Steel

Material of Front plates at bottom Steel

Working pressure of plate by rules 210 lbs

Material of tube plates Steel Thickness: Front 15/16" Back 7/8" Mean pitch of stays 9 3/4" x 9 1/4"

Working pressures by rules 202 lbs Girders to Chamber tops: Material Steel Depth and



**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 m \_\_\_\_\_  
 enter the donkey boiler \_\_\_\_\_ Dia. of donkey boiler \_\_\_\_\_ Length \_\_\_\_\_ Material of shell plates \_\_\_\_\_ Thickness \_\_\_\_\_ Ra \_\_\_\_\_  
 strength \_\_\_\_\_ Descrip. of riveting long. seams \_\_\_\_\_ Dia. of rivet holes \_\_\_\_\_ Whether punched or drilled \_\_\_\_\_ Pitch of \_\_\_\_\_  
 Lap of plating \_\_\_\_\_ Per centage of strength of joint \_\_\_\_\_ Rivets \_\_\_\_\_ Thickness of shell crown plates \_\_\_\_\_ Radius of do. \_\_\_\_\_ No. of Stays to \_\_\_\_\_  
 Dia. of stays \_\_\_\_\_ Diameter of furnace Top \_\_\_\_\_ Bottom \_\_\_\_\_ Length of furnace \_\_\_\_\_ Thickness of furnace plates \_\_\_\_\_  
 joint \_\_\_\_\_ Thickness of furnace crown plates \_\_\_\_\_ Stayed by \_\_\_\_\_ Working pressure of shell by r \_\_\_\_\_  
 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.*  
 The foregoing is a correct description,

*F. J. Falgout* Manufacturer.

Dates of Survey while building { During progress of work in shops - - } SECRETARY 1905: - Apr 11. 15. 25. 28 May 3. 11. 18. 22. 25. 31 Jun 2. 7. 11.  
 { During erection on board vessel - - } Jun 22. 27. 28 July 1.  
 Total No. of visits 19

Is the approved plan of main boiler forwarded herewith " " " 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 found 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 +LMC 7.05 in the Register Book.*

It is submitted that this vessel is eligible for +LMC 7.05

CM.  
25.7.05

W.  
25.7.05

The amount of Entry Fee... £ 1  
 Special ... £ 8  
 Donkey Boiler Fee ... £  
 Travelling Expenses (if any) £

When applied for, 20/7/05  
 When received, 27/9/05

*[Signature]*  
 Engineer Surveyor to Lloyd's Register of British & Foreign Ships

Committee's Minute

FRI. 28 JUL 1905

Assigned

+ LMC 7.05

MACHINERY CERTIFICATE WRITTEN.

(LLOYD'S) VESSELS OF

particulars are supplied by

Number.

059

and Port of Previous Registry (if any)

Whether a Sailing or Steam Ship and if a Steam Ship how powered

Decks ... One  
 Masts ... Two  
 Ketch  
 Elliptic  
 Blencher

and description of Steel. Str.

f Bulkheads ... Four

f water ballast tanks, Two 15 3/4 tons

capacity in tons ... 18 1/4

quarter the depth from weather deck amidships to bottom of keel

Description. Whether British or Foreign made

Engines. Triple compound inverted cylinder direct acting

Boilers. One Steel Pressure when loaded 185 lbs

GROSS TONNAGE.

tonnage Deck ...

spaces above the Tonnage Deck, if any

or spaces between Decks

Castle

House

closed-in spaces, if any, as follows:

for machinery, and light, and air, under 78 (2) of the Merchant Shipping Act if required.

Gross Tonnage ...

ons, as per Contract ...

Registered Tonnage ...

Name of Master Benjamin

Owners

Residence, and Description of Manager  
 Hull Steam Fishing & Ice  
 Head Office in the City  
 ph Tivian of St. And

Certificate (if required) to be sent to



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 29 June 1905  
 Lloyd's Register  
 L (830) - 20917 - 2000-11-4  
 Foundation