

Port of Hull

Received at London Office. FEB. 27 1906

No. in Survey held at Hull Date, first Survey Sep. 13 1905 Last Survey 19 Feb 1906
Reg. Book. 63 Suff on the Steel S. K. Bromelia
Master Built at Selby By whom built Messrs Bocheane Bros When built 1906
Engines made at } Hull By whom made } Messrs Charles D. Holmes & Co when made } 1906
Boilers made at } Hull By whom made } Charles D. Holmes & Co when made } 1906
Registered Horse Power Owners North Eastern Steam Fishing Co. Ltd Port belonging to Gainsby.
Nom. Horse Power as per Section 28 68. Is Refrigerating Machinery fitted No Is Electric Light fitted No

ENGINES, &c.—Description of Engines Triple Expansion No. of Cylinders 3 No. of Cranks 3
Dia. of Cylinders 12 1/4 ~ 22 ~ 35 Length of Stroke 24 Revs. per minute 110 Dia. of Screw shaft as per rule 7.12 Material of Steel
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 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 plain Length of stern bush 30 1/2
Dia. of Funnel shaft as per rule 6.38 Dia. of Crank shaft journals as per rule 6.7 Dia. of Crank pin 7 Size of Crank webs 13 3/8 x 4 7/8 Dia. of thrust shaft under
collars 7 Dia. of screw 7 1/2 Pitch of screw 11 0 No. of blades 4 State whether moveable No Total surface 28 sq
No. of Feed pumps 1 Diameter of ditto 2 1/8 Stroke 24 Can one be overhauled while the other is at work
No. of Bilge pumps 1 Diameter of ditto 2 1/8 Stroke 24 Can one be overhauled while the other is at work
No. of Donkey Engines One Sizes of Pumps 2 1/4 x 5 No. and size of Suctions connected to both Bilge and Donkey pumps
In Engine Room Two 2 In Holds, &c. Two 2, one to each slush well.
Ejector suction from Eng. Room bilge, slush wells, with discharge on deck
No. of bilge injections 1 sizes 3 Connected to condenser, or to circulating pump pump Is a separate donkey suction fitted in Engine room & size Yes 2
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 0
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 Slush well 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 launching Is the screw shaft tunnel watertight 0
Is it fitted with a watertight door worked from

BOILERS, &c.— (Letter for record S) Total Heating Surface of Boilers 1090 sq ft Is forced draft fitted No
No. and Description of Boilers One Cyl. Multi Working Pressure 180 lbs Tested by hydraulic pressure to 360 lbs
Date of test 26.1.06 Can each boiler be worked separately Area of fire grate in each boiler 32.8 sq ft No. and Description of safety valves to
each boiler Two Spring Area of each valve 3.98 sq ft 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 12 Mean dia. of boilers 12-6 Length 10-0 Material of shell plates Steel
Thickness 1 1/2 Range of tensile strength 29.32 Are they welded or flanged Descrip. of riveting: cir. seams L. D. long. seams D. B. S. S. R
Diameter of rivet holes in long. seams 1 1/2 Pitch of rivets 4 Lap of plates or width of butt straps 15
Per centages of strength of longitudinal joint rivets 86.2 Working pressure of shell by rules 185 lbs Size of manhole in shell 16 x 12
plate 85.2 Description of longitudinal joint Welded No. of strengthening rings 0
Size of compensating ring 7 x 1 1/2 No. and Description of Furnaces in each boiler 2 plain Material Steel Outside diameter 43
Length of plain part top 5-10 Thickness of plates crown 4.9 Description of longitudinal joint Welded No. of strengthening rings 0
bottom 6.4 Working pressure of furnace by the rules 185 lbs Combustion chamber plates: Material Steel Thickness: Sides 3/16 Back 1/16 Top 3/16 Bottom 3/16
Pitch of stays to ditto: Sides 9 x 10 Back 9 x 8 1/4 Top 9 x 8 1/2 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 219 lbs
Material of stays Steel Diameter at smallest part 1 1/2 Area supported by each stay 117 sq in Working pressure by rules 184 lbs End plates in steam space:
Material Steel Thickness 1 1/2 Pitch of stays 16 x 18 1/4 How are stays secured screwed into both end plates Working pressure by rules 186 lbs Material of stays Steel
Area Diameter at smallest part 6.33 Area supported by each stay 300 sq in Working pressure by rules 211 lbs Material of Front plates at bottom Steel
Thickness 3/32 Material of Lower back plate Steel Thickness 15/16 Greatest pitch of stays 17 3/4 Working pressure of plate by rules 180 lbs
Diameter of tubes 3 1/4 Pitch of tubes 4 1/2 x 4 5/8 Material of tube plates Steel Thickness: Front 29/32 Back 1/8 Mean pitch of stays 9 1/2
Pitch across wide water spaces 16 Working pressures by rules 180 lbs Girders to Chamber tops: Material Iron Depth and
thickness of girder at centre 9 x 1 1/4 Length as per rule 2-8 Distance apart 9 Number and pitch of Stays in each 3-8 1/2
Working pressure by rules 193 lbs Superheater or Steam chest; how connected to boiler 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 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 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 each top and bottom end connecting rod bolts and nuts, two main bearing bolts and nuts, one set coupling bolts and nuts, one set each air circulating, feed, & bilge pump valves, and a quantity of assorted bolts, nuts, etc.

The foregoing is a correct description,
Charles R. Holmes Manufacturer.

Dates of Survey while building

During progress of work in shops— 1905:— Sep. 13, 19, Oct. 3, 4, 10, 19, 24, 25, Nov. 1, 2, 13, 14, 22, 24, 28, 29, Dec. 4, 5, 6, 13, 20.

During erection on board vessel— 1906:— Jan. 2, 3, 9, 11, 17, 19, 22, 26, 30, Feb. 5, 6, 7, 8, 10, 14, 16, 19.

Total No. of visits 38

Is the approved plan of main boiler forwarded herewith

No it was sent on with Hull Rpt. 17581

General Remarks (State quality of workmanship, opinions as to class, &c. The machinery boiler of this vessel have been inspected throughout construction in accordance with the Society's Rules. The materials and workmanship are good. The boiler tested by hydraulic pressure and with the engines placed on board and tested under steam they are now in good order, and safe working condition and respectfully submitted as being eligible in my opinion to be classed with the notation of *L.M.C. 2.06* in the Register Book.

This machinery and boiler of this vessel are duplicate to that fitted on the *Abrodia* Hull Report 17581

It is submitted that this vessel is eligible for THE RECORD L.M.C. 2.06

James Barclay
 27.2.06

The amount of Entry Fee.. £ 1 : . : . When applied for, 23/2/06

Special £ 10 : 4 : . : . 19.06

Donkey Boiler Fee £ . : . : . When received, 28/2/06

Travelling Expenses (if any) £ . : 8 : ?

James Barclay
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.
 21.2.06

Committee's Minute

FRI. 2 MAR 1906

Assigned

L.M.C. 2.06

MACHINERY CERTIFICATE WRITTEN



© 2021

Lloyd's Register Foundation

Hull

Certificate (if required) to be sent to

The Surveyors are requested not to write on or below the space for Committee's Minute.