

THUR. 12 SEP 1895

No.

REPORT ON MACHINERY.

9945

Port of Stull.

Received at London Office 18

No. in Survey held at Stull. Date, first Survey Jan 20th Last Survey Sept 3rd 1895
 Reg. Book. 4 on the Trawler "Newfoundland" (Number of Visits 10)
 Master Beverley Built at Beverley By whom built Cochrane Cooper Tons { Gross 140 Net 58
 Engines made at Stull By whom made Amos Smith when made 1895
 Boilers made at Stull By whom made do. when made 1895
 Registered Horse Power 35 Owners Stull Steam Fishing & Ice Co. Ltd belonging to Stull.
 Nom. Horse Power as per Section 28 34

ENGINES, &c. — Description of Engines Triple Exp. Vertical. D.A. No. of Cylinders 3.
 Diameter of Cylinders 10 x 16 x 25 1/2 Length of Stroke 20 Revolutions per minute as per rule 5.1
 Diameter of Tunnel shaft as per rule 4.8 Diameter of Crank shaft journals 5 1/4 Diameter of Crank pin 5 1/4 Size of Crank webs 7 x 3 1/2
 Diameter of screw 5 1/4 Pitch of screw 8 1/2 No. of blades 4 State whether moveable No Total surface 18 1/2 sq
 No. of Feed pumps One Diameter of ditto 2 1/8 Stroke 11 Can one be overhauled while the other is at work ✓
 No. of Bilge pumps One Diameter of ditto 2 1/8 Stroke 11 Can one be overhauled while the other is at work ✓
 No. of Donkey Engines One Sizes of Pumps 4 1/2 - 4 - 2 3/4 No. and size of Suctions connected to both Bilge and Donkey pumps
 In Engine Room One 2" dia. In Holds, &c. One 2" dia.
 No. of bilge injections One sizes 2 1/2 Connected to condenser, or to circulating pump ump Is a separate donkey suction fitted in Engine room & size 3 1/2
 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 Yes
 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
 That 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.
 Have stern tube, propeller, screw shaft, and all connections examined in dry dock new Is the screw shaft tunnel watertight no tunnel
 Is it fitted with a watertight door ✓ worked from ✓

BOILERS, &c. — (Letter for record S) Total Heating Surface of Boilers 573 sq
 Name and Description of Boilers One Cyl. & mult. Working Pressure 170 Tested by hydraulic pressure to 340
 Date of test 1/8/95 Can each boiler be worked separately ✓ Area of fire grate in each boiler 22 sq No. and Description of safety valves to
 boiler Two Spring Area of each valve 3.14 Pressure to which they are adjusted 170 lbs Are they fitted
 with easing gear Yes Smallest distance between boilers or uptakes and bunkers or woodwork 5" Mean diameter of boilers 9' 0"
 Length 8' 9" Material of shell plates steel Thickness 13/16 Description of riveting: circum. seams double long. seams 5 flats, 2 100
 Diameter of rivet holes in long. seams 7/8 Pitch of rivets 5 7/8 Lap of plates or width of butt straps 12 3/4
 Percentages of strength of longitudinal joint 93.5 Working pressure of shell by rules 173 Size of manhole in shell 16 x 12
 Diameter of compensating ring 30 x 26 x 13/16 No. and Description of Furnaces in each boiler 2 Plain Material Steel Outside diameter 33"
 Length of plain part top 5' 6" Thickness of plates bottom 4 1/16 Description of longitudinal joint welded No. of strengthening rings ✓
 Working pressure of furnace by the rules 170 Combustion chamber plates: Material steel Thickness: Sides 9/16 Back 9/16 Top 19/32 Bottom 5/8
 Length of stays to ditto: Sides 8" Back 8" Top 8" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 170
 Material of stays steel Diameter, at smallest part 1 3/8 Area supported by each stay 8 x 8 Working pressure by rules 185 End plates in steam space:
 Material steel Thickness 7/8 Pitch of stays 14 1/2 How are stays secured nuts Working pressure by rules 172 Material of stays steel
 Diameter at smallest part 2 1/4 Area supported by each stay 14 1/2 x 12 1/2 Working pressure by rules 204 Material of Front plates at bottom steel
 Thickness 7/8 Material of Lower back plate steel Thickness 7/8 Greatest pitch of stays 12" Working pressure of plate by rules 170
 Diameter of tubes 3 1/2 Pitch of tubes 4 3/4 Material of tube plates steel Thickness: Front 7/8 Back 53/64 Mean pitch of stays 14 1/4
 Distance across wide water spaces 13 1/2 Working pressures by rules 170 Girders to Chamber tops: Material steel Depth and
 Thickness of girder at centre 6 1/2 x 3/4 Length as per rule 25 3/8 Distance apart 8" Number and pitch of Stays in each 2-8
 Working pressure by rules 176 Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked
 Material no superheaters or steam chest Diameter of rivet 2019
 Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 Are they fitted 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

DONKEY BOILER— Description

- No donkey boiler -

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 _____
 Diameter of donkey boiler _____ Length _____ Material of shell plates _____ Thickness _____
 Description of riveting long seams _____ Diameter 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:— *2 top end bolts, 2 bottom end bolts, 2 main bearing bolts, 1 set coupling bolts, 1 set coupling bolts, 1 set feed pump valves, 1 set bilge pump valves, 1 set check valves, 1 safety valve spring. Vessel provided with masts sails as a trawler*

The foregoing is a correct description,
 FOR AMOS & SMITH, Manufacturer.

W. H. Mott MANAGER.

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

The machinery of this vessel has been constructed under Special Survey, and placed on board in accordance with the Society's Rules, and is in my opinion eligible for the notification + Rec. 9.95 in the Register Book.

It is submitted that this vessel is eligible for THE RECORD + d. h. c. 9.95

MS
 14.9.95.

W. H. Mott

Certificate (if required) to be sent to *Inst.*

The amount of Entry Fee.. £ 1 : 0 :
 Special £ 8 : 0 :
 Donkey Boiler Fee £ ✓ : :
 Travelling Expenses (if any) £ ✓ : :
 When applied for, 11/9/95
 When received, 26.9.95

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

Committee's Minute

TUES. 17 SEP 1895

Assigned

+ Lmc 9.95



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Lloyd's Register Foundation

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