

REPORT ON MACHINERY.

MON 14 MAR 1898

Port of Hull -

Received at London Office 18

No. in Survey held at Hull - Date, first Survey Apr 28/97 Last Survey Mar 1st 1898
 Reg. Book. (Number of Visits 30)
 4 on the Trawler "Tourquennois" Tons { Gross 183 / Net 76
 Master Built at Beverley By whom built Cochrane & Cooper Ltd. When built 1897-8
 Engines made at Hull By whom made C.D. Holmes & Co. when made 1897-8
 Boilers made at Hull By whom made do. when made 1897-8
 Registered Horse Power 60 Owners E. B. Pottet Port belonging to Ostend
 Nom. Horse Power as per Section 28 64 H. Aspelagh - Is Electric Light fitted ✓

ENGINES, &c.—Description of Engines Triple Exp: Int'd Cyls: No. of Cylinders 3. No. of Cranks 3
 Diameter of Cylinders 13 x 21 x 34 Length of Stroke 24 Revolutions per minute 110 Diameter of Screw shaft as per rule 6.35 as fitted 6.7/16
 Diameter of Tunnel shaft as per rule 6.0 as fitted 6.0/8 Diameter of Crank shaft journals 6 5/8 Diameter of Crank pin 6 5/8 Size of Crank webs 9 x 4 3/4
 Diameter of screw 8 1/2 Pitch of screw 10 1/2 to 11 1/2 No. of blades 4 State whether moveable no Total surface 26 1/2
 No. of Feed pumps One Diameter of ditto 1 7/8 Stroke 24 Can one be overhauled while the other is at work ✓
 No. of Bilge pumps One Diameter of ditto 2 1/4 Stroke 24 Can one be overhauled while the other is at work ✓
 No. of Donkey Engines One Sizes of Pumps 2 1/2 x 5 No. and size of Suctions connected to both Bilge and Donkey pumps
 In Engine Room One 2-dia: In Holds, &c. One 2-dia:
 Ejector suction - Engine bilge, hold and discharge on deck.
 No. of bilge injections 1 sizes 3 1/2 Connected to condenser, or to circulating pump pump Is a separate donkey suction fitted in Engine room & size Ejector.
 Are all the bilge suction pipes fitted with roses ✓ Are the roses in Engine room always accessible ✓ Are the sluices on Engine room bulkheads always accessible ✓
 Are all connections with the sea direct on the skin of the ship ✓ Are they Valves or Cocks valves & cocks.
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates ✓ 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 ✓ Are the blow off cocks fitted with a spigot and brass covering plate ✓
 What pipes are carried through the bunkers forward 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 ✓
 Are the bilge suction pipes, cocks, and valves arranged so as to prevent any communication between the sea and the bilges ✓
 When were 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 ✓

OILERS, &c.— (Letter for record S) Total Heating Surface of Boilers 1015 1/2 Is forced draft fitted no
 No. and Description of Boilers One single ended. Working Pressure 170 Tested by hydraulic pressure to 340
 Date of test 17/2/98 Can each boiler be worked separately ✓ Area of fire grate in each boiler 25 1/2 No. and Description of safety valves to
 each boiler Two spring loaded Area of each valve 3.980" Pressure to which they are adjusted 175 1/2" Are they fitted
 with easing gear ✓ Smallest distance between boilers or uptakes and bunkers or woodwork 7" Mean diameter of boilers 11 1/2"
 Length 9 1/2 Material of shell plates Steel Thickness 1" Description of riveting: circum. seams double long. seams 8 Butt straps
 Diameter of rivet holes in long. seams 1 1/32 Pitch of rivets 7" Lap of plates or width of butt straps 15"
 Percentages of strength of longitudinal joint rivets 88.74 Working pressure of shell by rules 182 Size of manhole in shell 16 x 12
 plate 85.26
 Size of compensating ring 6 x 14 No. and Description of Furnaces in each boiler 2 Holmes' Material Steel Outside diameter 41"
 Length of plain part top 15" Thickness of plates crown 19/32 Description of longitudinal joint welded No. of strengthening rings ✓
 bottom
 Working pressure of furnace by the rules 172 Combustion chamber plates: Material Steel Thickness: Sides 5/8 Back 9/16 Top 9/16 Bottom 5/8
 Pitch of stays to ditto: Sides 7 3/4 Back 7 1/2 Top 7 7/8 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 176
 Material of stays Steel Diameter at smallest part 1 1/2 Area supported by each stay 580" Working pressure by rules 235 End plates in steam space:
 Material Steel Thickness 1" Pitch of stays 15 3/4 How are stays secured nuts Working pressure by rules 190 Material of stays Steel
 Diameter at smallest part 2 1/4 Area supported by each stay 2460" Working pressure by rules 215 Material of Front plates at bottom Steel
 Thickness 27/32 Material of Lower back plate Steel Thickness 3/4 Greatest pitch of stays 10 3/4 Working pressure of plate by rules 170
 Diameter of tubes 3 1/4 Pitch of tubes 4 3/4 Material of tube plates Steel Thickness: Front 27/32 Back 13/16 Mean pitch of stays 9 1/4
 (Plate double) Pitch across wide water spaces 14" Working pressures by rules 170 Girders to Chamber tops: Material iron Depth and
 thickness of girder at centre 7 3/4 x 1 3/4 Length as per rule 29 3/16 Distance apart 7 7/8 Number and pitch of Stays in each 3 - 7 1/2
 Working pressure by rules 187 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
 plates Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 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

