

Port of *Hull*

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No. in Survey held at *Hull* Date, first Survey *Sep. 12/05* Last Survey *Jan. 27 1906*
 Reg. Book. *99* on the *Screw Trawler "Crown"* (Number of Visits *16*)
 Master *Hull* Built at *Hull* By whom built *Charles L. & Co. Ld.* Tons { Gross *266*
 Engines made at *Hull* By whom made *Charles L. & Co. Ld.* when made *1906*
 Boilers made at *do* By whom made *do* when made *1906*
 Registered Horse Power *79* Owners *Crown Steam Fishing Co. Ld.* Port belonging to *Grimaby*
 Nom. Horse Power as per Section 28 *79* Is Refrigerating Machinery fitted for cargo purposes *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 *7 3/8"* Material of *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 *6.49"* Dia. of Crank shaft journals *6.8"* Dia. of Crank pin *7 1/2"* Size of Crank webs *14 1/2" x 4 1/2"* 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 & sized *3" 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* Is the screw shaft tunnel watertight *None*
 Is it fitted with a watertight door *✓* worked from *✓*

BOILERS, &c.— (Letter for record *(S)*) Total Heating Surface of Boilers *1370 sq. ft.* Is forced draft fitted *No*
 No. and Description of Boilers *One Cyl. S. E. Muller* Working Pressure *180 lbs* Tested by hydraulic pressure to *360 lbs*
 Date of test *10.1.06* 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 *11"* Mean 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 *DR Lap* long. seams *DR S S Rivets*
 Diameter of rivet holes in long. seams *1 1/16"* Pitch of rivets *7 1/8"* Lap of plates or 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* Materials *Steel* Outside diameter *3'-8 1/2"*
 Length of plain part *5'-9"* Thickness of plates *4.9"* 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 1/32"* 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 *186 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 *2 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 3/4"* 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 *✓*

