

IRON OR STEEL SHIP.

(Received at London Office 29 AUG 1890)

Date of writing Report 26th August Port of Hull

No. 7416 Survey held at Hull Date, First Survey May 23rd Last Survey Aug 26th 1890

On the
NAME under
Tonnage Deck
between Tonnage Dk.
and 3rd, 4th, Spar or
Awning Dk.
Length under Upper Dk. 140.67
of Prop 7.12
of Raised Or.
Dk. or Break
of Bridge House
of Houses on Deck
of excess of Hatchways
of Forecastle
Gross Tonnage 147.79
Crew Space 19.85
127.94
Engine Room 79.66
Master Tonnage 48.28
is out on Beam

ONE, OR TWO DECKED, THREE DECKED VESSEL,
SPAR, OR AWNING DECKED VESSEL.

Half Breadth (moulded) 10.0
Depth from upper part of Keel to top of Upper Deck Beams 12.33
Girth of Half Midship Frame (as per Rule) 17.75
1st Number 40.08
1st Number, if a 3 Decked Vessel deduct 7 feet
Length 102.0
2nd Number 4088
Proportions Breadths to Length 5.1
Depths to Length Upper Deck to Keel 8.2
Main Deck ditto

Master J. Dier
Rig Ketch
Year of appointment
Built at Hull
When built 1890 Launched 19/7/90
By whom built Cook, Button & Gummell
Owners George Beeching
Managers
(If desired to be entered in Reg. Book.)
Residence
Port belonging to Hull
Destined Voyage Fishing purposes
If Surveyed while Building, Afloat, or in Dry Dock.
While building & afloat

LENGTH on deck as per Rule 102.0 Feet. Inches. BREADTH Moulded 20.0 Feet. Inches. DEPTH top of Floors to Upper Deck Beams 11.0 Feet. Inches. Do. do. Main Deck Beams 11.0
Power of Engines 50 Horse. N° of Decks with flat laid 1
N° of Tiers of Beams 1

Dimensions of Ship per Register, length, 103.2 breadth, 20.0 depth, 11.0

KEEL, depth and thickness 7 1/2 x 1 1/4
STEM, moulding and thickness 7 1/2 x 1 1/4
STERN-POST for Rudder do. do. 6 x 2 1/2
" for Propeller 6 x 2 1/2
Distance of Frames from moulding edge to moulding edge, all fore and aft 20
FRAMES, Angle Iron, for 2/3 length amidships 3 2 1/2 5
Do. for 1/3 at each end 3 2 1/2 5
REVERSED FRAMES, Angle Iron 2 1/2 2 1/2 4
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships 16 x 6
" thickness at the ends of vessel 5
" depth at 2/3 the half-bdth. as per Rule as per approved
" height extended at the Bilges as per approved
BEAMS, Upper, Spar, or Awning Deck Single or d'ble Ang. Iron, Plate or Tee Bulb Iron 5 1/2 3 7 5 1/2 3 7
Single or double Angle Iron on Upper edge 40 42
Average space 40 42
BEAMS, Main, or Middle Deck Single or d'ble Ang. Iron, Plate or Tee Bulb Iron
Single, or double Angle Iron, on Upper Edge
Average space
BEAMS, Lower Deck Single or d'ble Ang. Iron, Plate or Tee Bulb Iron
Single or double Angle Iron on Upper Edge
Average space
BEAMS, Hold, or Orlop Single or d'ble Ang. Iron, Plate or Tee Bulb Iron
Single or double Angle Iron on Upper Edge
Average space
KEELSONS Centre line, single or double plate, box, or intercostal, plates 7 1/2 x 7 7 1/2 x 7
" Rider Plate 4 3 7 4 3 7
" Bulb Plate to Intercostal Keelson 4 3 7 4 3 7
" Angle Irons 4 3 7 4 3 7
" Double Angle Iron Side Keelson
" Side Intercostal Plate
" do. Angle Irons
" Attached to outside plating with angle iron
BILGE Angle Irons 3 3 6 3 3 6
" do. Bulb Iron
" do. Intercostal plates riveted to plating for length
BILGE STRINGER Angle Irons 3 3 6 3 3 6
Intercostal plates riveted to plating for length
SIDE STRINGER Angle Irons

Flat Keel Plates, breadth and thickness 30 7 30 7
PLATES in Garboard Strakes, br'dth & thickness 30 7 30 7
" From Garboard to upper part of Bilges 6 1/2 5 6 1/2 5
" From Bilge, or increased thickness, and length applied 7 1/2 5 7 1/2 5
" From up. prt of Bilge to l.r. edge of Sh'rstrake 6 1/2 5 6 1/2 5
" Main Sheerstrake, breadth and thickness 30 9 1/2 6 7 1/2 6
" Of d'bling at Sh'stk. & lng. applied
" From M'n. to Up. or Spar Dk. Sh'rstrake
" Up. or Spar Dk Sh'rstrake, br'dth & thicken'ss
Butt Straps to outside plating, breadth & thickness 8 9/16 6 1/2 8 9/16 6 1/2
Lengths of Plating 6
Shifts of Plating, and Stringers 2
Gunwale Plate on ends of Awning, Spar, or Upper Deck Beams, breadth and thickness 23 6 23 6
Angle Iron on ditto 3 x 3 x 6 3 x 3 x 6
Tie Plates fore and aft, outside Hatchways 7 6 7 6
Diagonal Tie Plates on Beams No. of Pairs
Flat of Up., Spar, or Awning Dk. Wood
How fastened to Beams Gal'nut & screw bolts
Stringer Plate on ends of Main or Middle Deck Beams, breadth and thickness
Is the Stringer Plate attached to the outside plating?
Angle Irons on ditto, No.
Tie Plates, outside Hatchways
Diagonal Tie Plates on Beams, No. of pairs
Flat of Middle Deck* do. do.
How fastened to Beams
Stringer Plates on ends of Lower Deck, Hold or Orlop Beams
Is the Stringer Plate attached to the outside plating?
Angle Irons on ditto, No.
Stringer or Tie Plates, outside Hatchways
Flat of Lower Deck*

Ceiling betwixt Decks, thickness and material Wood lining
" in hold do. do.
Main piece of Rudder, diameter at head 3 1/2 3 1/2
" do. at heel 2 2
Can the Rudder be unshipped afloat? Yes
Bulkheads No. 3 No. per Rule 3
" Thickness of 4 1/2
" Height up all to upper decks
" How secured to sides of ship Between double frames
" Size of Vertical Angle Irons 3 x 2 1/2 x 5/8 and distance apart 30 ins.
" Are the outside Plates doubled two spaces of Frames in length? Yes

The FRAMES extend in one length from Hull to Gunwale
The REVERSED ANGLE IRONS on floors and frames extend across middle line to from bilge to bilge and to alternately
KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? Yes And butts properly shifted? Yes
PLATING. Garboard, double riveted to Keel, with rivets 7/8 in. diameter, averaging 4 3/8 ins. from centre to centre.
" Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 5/8 in. diameter, averaging 2 3/4 ins. from centre to centre.
" Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 5/8 in. diameter averaging 2 1/2 ins. from centre to centre.
" Butts of one Strakes at Bilge for half length, treble riveted with Butt Straps 1/16 thicker than the plates they connect.
" Edges from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 5/8 in. diameter, averaging 2 3/4 ins. from cr. to cr.
" Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 5/8 in. diameter, averaging 2 1/2 ins. from cr. to cr.
" Edges of Main Sheerstrake, double or single riveted. Upper Sheerstrake, double or single riveted.
" Butts of Main Sheerstrake, treble riveted for whole length amidships. Butts of Upper or Spar Sheerstrake, treble riveted length amidships.
" Butts of Main Stringer Plate, treble riveted for 1/2 length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for length.
" Breadth of laps of plating in double riveting 4 1/2 Breadth of laps of plating in single riveting 2 1/4
Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? As per rule No. of Breasthooks, 3 Crutches, 2
What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Plates - Stockton, Middlesbrough
Manufacturer's name or trade mark Angles - Durham Long & Hull Forge
The above is a correct description Cook, Melton Gummell
Builder's Signature J. Gummell Surveyor's Signature, W. Williamson
Surveyor to Lloyd's Register of British and Foreign Shipping.

State clearly where plating is of alternate thicknesses - as distinguished from diminished thickness at ends of vessel.

* If Iron Deck, state if whole or part, and if wood deck is laid thereon.

State whether Rivets are of Iron or Steel.

HULL 403-0008

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed*
Do the edges of the earvel work and of the butts fay close together throughout their length without requiring any making good of deficiencies? *Yes*
Are the fillings between the ribs and plates solid single pieces? *Yes* Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *Yes* Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? *Yes* Do any rivets break into or through the seams or butts of the plating? *A few*
Masts, Bowsprit, Yards, &c., are *Wood* in *good* condition, and sufficient in size and length. If of Iron or Steel give Scantlings of Puting, Angle Irons, &c., and further explain by a Sketch showing how the lower Masts and Bowsprit are const. uted, showing the number of Plates and Angle Irons, mode of riveting, quality of Materials, and if stamped with Maker's name.
State also Length and Diameter of Lower Masts and Bowsprit *✓*

Number for Equip- ment	CABLES, &c.				Fathoms & Inches per Rule.	Machine where Tested and Superintendent, also Name of Chain Maker.	ANCHORS. Number of Certificate (State if any and which Anchors are Stockless.)	Weight. Ex. Stock.	Test per Certificate (are Stockless.)	W'ght req'd per Rule.	Machine where Tested and Superintendent, also Name of Anchor Maker.
	Number of Certificate.	Fathoms.	Inches.	Test per Certificate. Tons.							
Letter for do. <i>✓</i>	<i>11324</i>	<i>61</i>	<i>15 1/6</i>	<i>10 1/2-21</i>	<i>75 1/6</i>	<i>✓</i>	<i>28187</i>	<i>4-2-06</i>	<i>17-2-0</i>	<i>4-2-0</i>	<i>✓</i>
N ^o . <i>✓</i>	<i>11341</i>	<i>15</i>	<i>15 1/6</i>	<i>10 1/2-21</i>	<i>✓</i>	<i>✓</i>	<i>27324</i>	<i>4-0-13</i>	<i>6-10-0-0</i>	<i>4-0-0</i>	<i>✓</i>
SAILS.											
Fore Sails,											
Fore Top Sails,											
Fore Topmast Stay Sails,											
Main Sails,											
Main Top Sails, and quality											
Iron Steam Chain or Steel Wire ..	<i>180</i>	<i>3 1/2</i>	<i>stitt wire</i>								
Hempen Str'm Cable or TOWLINE— Hemp or Steel Wire.	<i>60</i>	<i>5 1/2</i>	<i>Manilla</i>								
Hawser	<i>60</i>	<i>3 1/2</i>	<i>"</i>								
Warp											

Standing and Running Rigging *Wine Hump* sufficient in size and *good* in quality. She has *one* Long Boat *and* *✓*
The Windlass is *English oak* Capstan *✓* and Rudder *good* Pumps *good*
Engine Room Skylights.—How constructed? *Leak framing* How secured in ordinary weather? *Bolted to iron coamings*
What arrangements for deadlights in bad weather? *Solia trank shutter with glass bullages in same*
Coal Bunker Openings.—How constructed? *Last iron* How are lids secured? *studs* Height above deck? *flush*
Scuppers, &c.—What arrangements for clearing upper deck of water, in case of shipping a sea? *Three ports and five scuppers on each side.*
Cargo Hatchways.—How formed? *Iron coamings* Hatches, If strong and efficient? *2 1/2*
State size Main Hatch *✓* Forehatch *3-6 x 4-0* Quarterhatch *✓*
If of extraordinary size, state how framed and secured... *✓* What arrangement for shifting beams? *✓*

Order for Special Survey No. *181* Date *6/5/90*
Order for Ordinary Survey No. *✓* Date *✓*
No. *53* in builder's yard. DATES of Surveys held while building as per Section 18.
1st. On the several parts of the frame, when in place, and before the plating was wrought *Built under 5.5 x sun during construction 1890.- May 23 Jun 2 9 17 23*
2nd. On the plating during the process of riveting *✓*
3rd. When the beams were in and fastened, and before the decks were laid... *✓*
4th. When the ship was complete, and before the plating was finally coated or cemented... *✓*
5th. After the ship was launched and equipped *✓*
State dates of letters respecting this case *17/5/90* Total No. of Visits *10*

General Remarks (State quality of workmanship, &c.) *This one decked vessel for fishing purposes has been built in accordance with the approved sketch of midship section and in other respects in conformity with the rules and the Secretary's letter dated 17/5/90.*
The workmanship throughout is good.
The approved tracing forwarded to London on the 27/8/90

How are the surfaces preserved from oxidation? Inside *Portland cement paint* Outside *paint*

Particulars for Record in R.B.—Length of Poop *✓* ft., R.Q.D. *✓* ft., Bridge Dk., *✓* ft., F'castle *✓* ft.; No. of Dks. (excluding spar, awn, &c.) *one*
Material of dks. *Wood* If spar, awn, dk., &c. *✓* Material of spar, awn, dk., &c. *✓*; No. of tiers of beams (with and without dks. laid) *one*
Official No. *95845*; Signal Letters *✓*
I am of opinion this Vessel should be Classed ** 100 A 1 "Gawler"*
The amount of the Entry Fee£ *1* : - : - is received by me *✓*
Special£ *8* : 8 : - *8/9/1890*
(to be sent as per margin). Certificate ...
Travelling Expenses, if any, £ *✓*

Committee's Minute *✓*
Character assigned *La scp + Lmb 8/90*
TUES 2 SEPT 1890
100 A 1 Steam Rawler 12k
A. Williamson
Surveyor to Lloyd's Register of British and Foreign Shipping.
It is submitted that this vessel appears eligible to be classed 100. A. 1 "Steam Rawler" as recommended.
1.5k
29/8/90