

IRON SHIP.

(Rec'd 9th April 1883)

No. 6065 Survey held at Govan Date, First Survey 1st July 1882 Last Survey 2nd April 1883

On the T.S. "Hawarden Castle" 2 masts.

TONNAGE under Tonnage Deck 2884.97

Ditto of Third, or Lower Deck 1127.35

Ditto of Upper Deck 4019.32

Ditto of Houses on Deck 185.34

Ditto of Forecastle 43.17

Gross Tonnage 4240.83

Less Crew Space 162.21

Less Engine Room 1357.87

Register Tonnage as out on Beam 2721.55

ONE, OR TWO DECKED, THREE DECKED VESSEL,

SPAR, OR AWNING DECKED VESSEL.

Half Breadth (moulded) 24.0

Depth from upper part of Keel to top of Upper Deck Beams 34.0

Girth of Half Midship Frame (as per Rule) 51.6

1st Number 109.6

1st Number, if a 3-Decked Vessel deduct 7 feet 7.0

Length 102.6

2nd Number 387.82

Proportions— Breadths to Length 7.8

Depths to Length— Upper Deck to Keel 11.1

Main Deck ditto 14.4

Master H. P. Webster.

Built at Govan

When built 1882-83 Launched 11 Jan/83

By whom built J. Elder & Co.

Owners Donald Currie & Co.

Residence Fenchurch St. London.

Port belonging to London

Destined Voyage London

If Surveyed while Building, Afloat, or in Dry Dock.

While Building & afloat.

LENGTH on deck as per Rule 378 - Breadth Moulded 48 - DEPTH top of Floors to Upper Deck Beams 31 6 - Power of Engines 600 Horse. N° of Decks with flat laid 3 N° of Tiers of Beams 3

Dimensions of Ship per Register, length, 380.6 breadth, 48.25 depth, 23.6

KEEL, depth and thickness 11 x 3 1/2

STEM, moulding and thickness 11 x 3 1/2

STERN-POST for Rudder do. do. 12 x 7 1/2

" " for Propeller 12 x 7 1/2

Distance of Frames from moulding edge to moulding edge, all fore and aft 24 ins

FRAMES, Angle Iron, for 1/2 length amidships 6 3 1/2 9

Do. for 1/4 at each end 4 3 1/2 9

REVERSED FRAMES, Angle Iron 4 3 1/2 9

FLOORS, depth and thickness of Floor Plate at mid line for half length amidships 30 10 30 10

" thickness at the ends of vessel 15 ins

" depth at 1/4 the half-bdth. as per Rule 60 ins

" height extended at the Bilges 60 ins

BEAMS, Upper, Spar, or Awning Deck 10 10 10 10

Single or double Angle Iron, Plate or Tee Bulb Iron 3 1/2 3 1/2 7 3 1/2 3 1/2 7

Single or double Angle Iron on Upper edge 4 8 ins 4 8 ins

Average space 11 1/2 10 11 1/2 10

BEAMS, Main, or Middle Deck 11 1/2 10 11 1/2 10

Single or double Angle Iron, Plate or Tee Bulb Iron 3 1/2 3 1/2 8 3 1/2 3 1/2 8

Single or double Angle Iron on Upper Edge 4 8 ins 4 8 ins

Average space 11 1/2 10 11 1/2 10

BEAMS, Lower Deck 11 1/2 10 11 1/2 10

Single or double Angle Iron, Plate or Tee Bulb Iron 3 1/2 3 1/2 8 3 1/2 3 1/2 8

Single or double Angle Iron on Upper Edge 4 8 ins 4 8 ins

Average space 11 1/2 10 11 1/2 10

BEAMS, Hold, or Orlop 11 1/2 10 11 1/2 10

Single or double Angle Iron, Plate or Tee Bulb Iron 3 1/2 3 1/2 8 3 1/2 3 1/2 8

Single or double Angle Iron on Upper Edge 4 8 ins 4 8 ins

Average space 11 1/2 10 11 1/2 10

KEELSONS Centre line, single or double plate, 22 11 22 11

" Intercoastal, Plates 14 10 14 10

" Rider Plate 14 10 14 10

" Bulb Plate to Intercoastal Keelson 6 1/2 4 1/2 10 6 1/2 4 1/2 10

" Angle Irons 6 1/2 4 1/2 10 6 1/2 4 1/2 10

" Double Angle Iron Side Keelson 6 1/2 4 1/2 10 6 1/2 4 1/2 10

" Side Intercoastal Plate 6 1/2 4 1/2 10 6 1/2 4 1/2 10

" Plate 22 x 4/16 Angle Irons 6 1/2 4 1/2 10 6 1/2 4 1/2 10

" Attached to outside plating with angle iron 3 1/2 3 1/2 8 3 1/2 3 1/2 8

BILGE Angle Irons 6 1/2 4 1/2 10 6 1/2 4 1/2 10

" do. Bulb Iron 16 x 4/16 6 1/2 4 1/2 10 6 1/2 4 1/2 10

" do. Intercoastal plates riveted to plating for 3/5 length 10 10

BILGE STRINGER Angle Irons 6 1/2 4 1/2 10 6 1/2 4 1/2 10

" Intercoastal plates riveted to plating for 3/5 length 10 10

SIDE STRINGER Angle Irons 6 1/2 4 1/2 10 6 1/2 4 1/2 10

" do. Bulb Iron 16 x 4/16 6 1/2 4 1/2 10 6 1/2 4 1/2 10

" do. Intercoastal plates riveted to plating for 3/5 length 10 10

The FRAMES extend in one length from middle line to gunwale

The REVERSED ANGLE IRONS on floors and frames extend from middle line to main sk and to upper sk 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 1/4 in. diameter, averaging 6 ins. from centre to centre.

" Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 1/8 in. diameter, averaging 4 1/2 ins. from centre to centre.

" Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 7/8 in. diameter averaging 3 1/2 ins. from centre to centre.

" Butts of all Strakes at Bilge for 2/3 length, treble riveted with Butt Straps 1/8 thicker than the plates they connect.

" Edges from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 7/8 in. diameter, averaging 3 1/2 ins. from cr. to cr.

" Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 7/8 in. diameter, averaging 3 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 1/2 length amidships. Butts of Upper or Spar Sheerstrake, treble riveted 1/2 length amidships.

" Butts of Main Stringer Plate, treble riveted for 1/2 length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for 1/2 length.

" Breadth of laps of plating in double riveting 6 x 5 1/2. Breadth of laps of plating in single riveting 6 x 5 1/2.

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? Treble & double No. of Breasthooks, 5 Crutches, deep floor

What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? "Consolidated" 2 Coals

Manufacturer's name or trade mark, "Stockton M. S. Co." "Skene"

The above is a correct description.

Builder's Signature, Surveyor's Signature, Surveyor to Lloyd's Register of British and Foreign Shipping.

Steam Printers, 19, Old Street, Goswell Road, E.C.1, London.

GLS 147-0415

Workmanship. Are the butts of plating planed or otherwise fitted?

Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies?

Are the fillings between the ribs and plates solid single pieces?

Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other?

Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces?

Do any rivets break into or through the seams or butts of the plating?

Masts, Bowsprit, Yards, &c., are Iron in good condition, and sufficient in size and length. If of Iron or Steel give Scantlings of Plating, Angle Irons, &c., and further explain by a Sketch showing how the lower Masts and Bowsprit are constructed, 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 2 masts constructed in accordance with the 2 tracings attached herewith, and with the Secretary's letter of the 9th June 1882. The Iron is "Clydesdale Best-Boiler", each thickness was tested as required and found satisfactory.

NUMBER for EQUIPMENT 45870

N ^o .	SAILS.	CABLES, &c.	Fathoms.	Inches.	Test per Certificate.	Inches per Rule.	Machine where Tested, Date, or No. of Certificate, & Name of Superintendent.	ANCHORS.	N ^o .	Weight. Ex. Stock.	Test per Certificate.	W'ght req'd per Rule.	Machine where Tested, Date, or No. of Certificate, & Name of Superintendent.
		Chain	150 1/2	2 3/8	142.1	300 7/16	Tipton	Bower Anchors	6888	47.3.7.5	41.0.3.21	43	Tipton
		(State Machine where Tested, Date, or No. of Certificate, & Name of Superintendent.)	150	2 3/8	101.5	23 1/16	by		6800	46.3.2.0	40.10.0.0	41	signed
One	Fore Sails,	Iron Stream Chain	126 7/8	2 3/8	57.99	90 7/16	by	22 Aug/82	6889	43.1.0.3	35.1.1.0	16 1/2	signed
	Fore Top Sails,	or Steel Wire ..	90 1/2	1 1/4	42.125	90 7/16	by	24 July/82	6889	43.1.0.3	35.1.1.0	16 1/2	signed
Two	Fore Topmast Stay Sails,	or Hempen Strm Cable	120	4 3/4	28.125	1 1/2	produced	22 Aug/82	6715	43.1.0.3	35.1.1.0	16 1/2	signed
	Main Sails,	Towline, Hemp. or Steel Wire ..	90	3 1/2	---	120.4 3/4	Doitt.	22 Aug/82	6817	15.3.0.3	17.3.0.14	14	signed
	Main Top Sails,	Hawser	90	2 1/2	---	120.4 3/4	Doitt.	19 July/82	6817	15.3.0.3	17.3.0.14	14	signed
	and spare	Warp	180	9	---	120.4 3/4	Doitt.	8 Aug/82	6865	7.2.9	9.13.3.0	7	signed
		quality good	200	6	15.2.83	90-10	Doitt.	2nd Kedge ...	6857	3.3.7	6.5.1.7	32	signed

Standing and Running Riggings wire & hemp sufficient in size and good in quality. She has 8 life long Boats and 2 others

The Windlass is Napier's Patent Capstan 8 and Rudder good Pumps good

Engine Room Skylights. How constructed? Deck on Iron Coaming How secured in ordinary weather? Bolted

What arrangements for deadlights in bad weather? 18 above Bridge Sk. guards and tarpaulins

Coal Bunker Openings. How constructed? Port in side How are lids secured? Scissors & Bayonet Height above deck? flush

Scuppers, &c. What arrangements for clearing upper deck of water, in case of shipping a sea? open culverts aft

In Bridge house 1 Ash port; 70 2 water ports, one gangway port, 2 Cargo ports, 2 mooring

Cargo Hatchways. How formed? as usual (pipes and 3 scuppers)

State size Main Hatch 19' 9" x 13' 3" Forehatch 12ft x 10 ft Quarterhatch 15' 9" x 10' 10"

If of extraordinary size, state how framed and secured? One web plate and one shifting beam

What arrangement for shifting beams? 3' x 3 1/2' Solid Hatches.

Hatches, If strong and efficient? 3' x 3 1/2' Solid Hatches.

Order for Special Survey No. 1712 Specially Surveyed: 1882: Jan 31; Feb 3, 8, 13, 14, 22; Mar 3
Date 2 January 1882 1st. On the several parts of the frame, when in place, and before the plating was wrought 5, 24; Apr 2, 21, 26; May 2, 9, 15, 18, 22, 29; June 1, 5, 8,
Order for Ordinary Survey No. 1712 2nd. On the plating during the process of riveting 12, 15, 21, 26, 28, 29; July 3, 24, 27, 31; Aug 7, 10, 14, 17, 21, 28,
Date 21 Jan 1882 3rd. When the beams were in and fastened, and before the decks were laid... 30; Sep 4, 7, 11, 14, 15, 18, 21, 25, 29; Oct 2, 9, 12, 16, 19,
No. 269 in builder's yard. 4th. When the ship was complete, and before the plating was finally coated or cemented... 26, 29; 1883 Jan 8, 10, 11, 15, 17, 22, 25, 29; Feb 1, 5, 7, 12, 15, 19, 20,
5th. After the ship was launched and equipped 26, 29; 1883 Jan 8, 10, 11, 15, 17, 22, 25, 29; Feb 1, 5, 7, 12, 15, 19, 20,

General Remarks (State quality of workmanship, &c.) 26, 29; 1883 Jan 8, 10, 11, 15, 17, 22, 25, 29; Feb 1, 5, 7, 12, 15, 19, 20,
The workmanship is good, and the vessel has been built in accordance with the approved tracings, 7 in number, herewith attached, and with the instructions contained in the Secretary's letters of the 1st & 28th Decr 1881, 8th April, 9th & 19th June and 11th Decr 1882. There are two deep water ballast tanks, one aft each side & under shaft tunnel 40 ft long, 10 ft high and containing 152 tons of water; and another each side and under passage between engine and boiler spaces, 20 ft long, 8 ft high and containing 230 tons of water; each of these tanks have been tested with a head of water up to the load line and found satisfactory.

Forecastle 59 ft; Open Bridge house 100 ft. House 7 ft abt. Bridge 12 1/2 ft long x 14 1/2 ft broad; Shade deck, aft 81 ft covering middle line house 52 1/2 ft x 20 1/2 ft and skylight framed up to height of shade Sk 16 ft x 15 ft.

State if one, two, or three decked vessel, or if spar, or awning decked; and the lengths of poop, bridge, forecabin, or raised quarter deck. (If double bottom, state particulars on separate form.)

How are the surfaces preserved from oxidation? Inside Cement & Paint Outside Paint

I am of opinion this Vessel should be Classed *100A.1.

The amount of the Entry Fee ... £ 5 0 0 is received by me, J. Dodd

Special ... £ 120 19 0 6/4 1883

Certificate ... Gratis

(to be sent as per margin).

(Travelling Expenses, if any, £

Committee's Minute

Character assigned 100A.1

Tuesday 10th April 1883.

Surveyor to Lloyd's Register of British and Foreign Shipping.

Lloyd's Register Foundation