

IRON SHIP.

(Received at London Office)

1884

Survey held at Hull
the Iron Screw Steamer "Elsy"

Date, First Survey 25 July 83 Last Survey 14 Feb 84
Yard No. 4

PAGE under
Tonnage Deck
of Third Spar,
Awning Deck.
of Poop, or
sed Qr. Dk.
of Houses
on Deck
of Forecastle
Tonnage
reud Space
Engine Room
r Tonnage
ut on Beam

ONE, OR TWO DECKED, THREE DECKED VESSEL,
SPAR, OR AWNING-DECKED VESSEL.
Half Breadth (moulded) ... 9.50
Depth from upper part of Keel to top of Upper Deck Beams 9.08
Girth of Half Midship Frame (as per Rule) ... 17.33
1st Number ... 35.91
1st Number, if a 3-Decked Vessel ... deduct 7 feet
Length ... 80 feet
2nd Number ... 28.28
Proportions— Breadths to Length ... 4.6
Depths to Length— Upper Deck to Keel ... 8.8
Main Deck ditto ...

Master
Built at Hull
When built 1883 Launched 12/83
By whom built Edward Wales
Owners J. W. Alcock & Co. Ltd.
Residence Russell St. Hull
Port belonging to Hull
Destined Voyage Fishermen, coasting
If Surveyed while Building, Afloat, or in Dry Dock.
Building and Afloat

Feet. Inches. BREADTH— Moulded... 19 0
Feet. Inches. DEPTH top of Floors to Upper Deck Beams ... 9 1
Feet. Inches. Power of Engines ... 20
Horse. N° of Decks with flat laid One
N° of Tiers of Beams one
Dimensions of Ship per Register, length, 80.4 breadth, 19.25 depth, 8.5

	Inches in Ship.	Inches per Rule.
L, depth and thickness	6 x 18	6 x 18
I, moulding and thickness	5 1/2 x 18	5 1/2 x 18
IN-POST for Rudder do. do.	5 1/2 x 24	5 1/2 x 24
" for Propeller	5 1/2 x 24	5 1/2 x 24
nce of Frames from moulding edge to	21	21
uilding edge, all fore and aft		
MES, Angle Iron, for 3/4 length amidships	2 1/2 x 2 1/2	2 1/2 x 2 1/2
for 1/2 at each end	2 1/2 x 2 1/2	2 1/2 x 2 1/2
ERSED FRAMES, Angle Iron	2 1/2 x 2 1/2	2 1/2 x 2 1/2
RS, depth and thickness of Floor Plate	11	11
mid line for half length amidships		
thickness at the ends of vessel	5 1/2	5 1/2
depth at 3/4 the half-bdth. as per Rule		
height extended at the Bilges	Twice amidship depth	
MS, Upper, Spar, or Awning-Deck	4 2 1/2 5	4 2 1/2 5
or d'ble Ang. Iron, Plate or Tee Bulb Iron	5 1/2 3 7	5 1/2 3 7
or double Angle Iron on Upper edge		
verage space...	20	20
MS, Main, or Middle Deck		
or d'ble Ang. Iron, Plate or Tee Bulb Iron		
or double Angle Iron, on Upper Edge		
verage space...		
MS, Lower Deck		
or d'ble Ang. Iron, Plate or Tee Bulb Iron		
or double Angle Iron on Upper Edge		
verage space...		
MS, Hold, or Orlop		
or d'ble Ang. Iron, Plate or Tee Bulb Iron		
or double Angle Iron on Upper Edge		
verage space...		
NSONS Centre line, single or double plate,	7 1/2 6	7 1/2 6
box, or Intercoastal, Plates	6 1/2 6	6 1/2 6
Rider Plate		
Bulb Plate to Intercoastal Keelson	3 3 6	3 3 6
Angle Irons		
Double Angle Iron Side Keelson		
Side Intercoastal Plate		
do. Angle Irons		
Attached to outside plating with angle iron		
E Angle Irons	3 3 6	3 3 6
do. Bulb Iron		
do. Intercoastal plates riveted to		
plating for length	3 3 6	3 3 6
E STRINGER Angle Irons	3 3 6	3 3 6
Intercoastal plates riveted to plating for		
length		
STRINGER Angle Irons		

Flat Keel Plates, breadth and thickness ...
PLATES in Garboard Strakes, br'dth & thickness ...
From Garboard to upper part of Bilges ...
Of d'bling at Bilge, or increased thickness, }
and length applied ...
From up. prt of Bilge to l. edge of Sh'rstrake ...
Main Sheerstrake, breadth and thickness ...
Of d'bling at Sh'stk. & lng. applied ...
From M'n. to Up. or Spar Dk. Sh'rstrake ...
Up. or Spar Dk Sh'rstrake, brdth & thickn'ss ...
Butt Straps to outside plating, breadth & thickness ...
Lengths of Plating ...
Shifts of Plating, and Stringers ...
Gunwale Plate on ends of Awning, Spar, or }
Upper Deck Beams, breadth and thickness ...
Angle Iron on ditto ...
Tie Plates fore and aft, outside Hatchways ...
Diagonal Tie Plates on Beams No. of Pairs ...
Flat of Up., Spar, or Awning Dk. * ...
How fastened to Beams ...
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 ...
in hold do. do. ...
Main piece of Rudder, diameter at head ...
do. at heel ...
Can the Rudder be unshipped afloat? Yes
Bulkheads No. 3 No. per Rule 3
Thickness of 1/4
Height up to upper deck
How secured to sides of ship by double angles
Size of Vertical Angle Irons 2 1/4 x 2 1/4 and distance apart 20 ins.
Are the outside Plates doubled two spaces of Frames in length? Yes

FRAMES extend in one length from Hull to Gunwale Riveted through plates with 7/8 in. Rivets, about 4 1/2 apart.
REVERSED ANGLE IRONS on floors and frames extend across middle line to upper turn of Bilge and to after part alternately
NSONS. Are the various lengths of Plates and Angle Irons properly connected? Yes And butts properly shifted? Yes
ING. Garboard, double riveted to Keel, with rivets 7/8 in. diameter, averaging 4 1/2 ins. from centre to centre.
Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 7/8 in. diameter, averaging 2 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 2 1/2 ins. from centre to centre.
Butts of Strakes at Bilge for 1/2 length, treble riveted with Butt Straps 1 1/2 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 2 1/2 ins. from cr. to cr.
Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 7/8 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, double riveted for whole length amidships. Butts of Upper or Spar Sheerstrake, treble riveted length amidships.
Butts of Main Stringer Plate, treble riveted for whole length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for length.
Breadth of laps of plating in single riveting 2 1/2
Breadth of laps of plating in double riveting 4
No. of Breasthooks, 2 Crutches, 2
traps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted?
description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.?
Manufacturer's name or trade mark, James & Anglin Hull Forge Co. Plate for head 14
above is a correct description.
r's Signature, Edward Wales Surveyor's Signature, J. W. Williams & Co. M. S. N.
Surveyor to Lloyd's Register of British and Foreign Ships

Workmanship.

Are the butts of plating planed or otherwise fitted?

Planed

Do the edges of the carvel work and of the butts lay 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 throughout 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 Material and if stamped with Maker's name.

State also Length and Diameter of Lower Masts and Bowsprit

(Wood)

NUMBER for EQUIPMENT		Fathoms.	Inches.	Test per Certificate.	Inches per Rule.	Machine where Tested & Supplied.	ANCHORS.	N ^o .	Weight. Ex. Stock.	Test per Certificate.	W'ght req'd per Rule.	Machine where Tested & Supplied.
SAILS.							Bower Anchors	1	4.0.24	6.12.20	3.2.0	
N ^o .	CABLES &c.						(State Machine where Tested, Date, or No. of Certificate, & Name of Superintendent.)	1	4.1.23	6.17.20	3.2.0	
	Chain	120	3/4	13.2.20	120.4/16							
Fore Sails,	(State Machine where Tested, Date, or No. of Certificate, & Name of Superintendent.)			10.2.20	45.4/16							
Fore Top Sails,	Iron Stream Chain	45	9/16	8.8.0.0								
Fore Topmast Stay Sails,	or Steel Wire ..			5.12.20								
	or Hempen Strm Cable											
Main Sails,	Towline, Hemp.	45	6		45.4/16		Stream Anchor	1	0.3.9		0.3.0	
	or Steel Wire ..						Kedge	1	0.2.13		0.2.0	
Main Top Sails, and	Hawser	90	4		90.4/3"		2nd Kedge					
	Warp											
	quality											
Standing and Running Rigging		Niece & Hemp sufficient in size and Good in quality.					She has One Long Boat and Good					
The Windlass is		New & Good					Capstan and Rudder Good Pumps Good					
Engine Room Skylights.		How constructed? New Comings & Wood top					How secured in ordinary weather? Helms & Scum					
What arrangements for deadlights in bad weather?		Solid Wood shutters, with Rylleeyes										
Coal Bunker Openings.		How constructed? Cast Iron					How are lids secured? Locked Height above deck? Flush					
Scuppers, &c.		What arrangements for clearing upper deck of water, in case of shipping a sea?					Flushed ports and scuppers on each side					
Cargo Hatchways.		How formed? New Comings 20" x 9/16										
State size Main Hatch		22' x 12'					Forehatch Quarterhatch					
If of extraordinary size, state how framed and secured?		Over plating and thence increased in thickness										
What arrangement for shifting beams?		Three (3) deep New Beams, and Wood fore and after										
Hatches, If strong and efficient?		Yes										

Order for Special Survey No. 244

Date 24/3/83

Order for Ordinary Survey No. 18

Date 24/3/83

No. 4 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
- 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

Realt under Special Survey of Survey in 1883 July 25, Aug. 9, 21, 29, Sep. 12, 20, Oct. 8, 22, Dec. 1, 14, 20 and in 1884 Jan. 11, 22, Feb. 4, 5, 8 & 14

State dates of letters respecting this case

General Remarks (State quality of workmanship, &c.)

This one decked Iron Steam Steamer with main forecabin 10' 6" long and (half) raised quarter deck 25' 6" long has been built under Special Survey in accordance with the approved tracing of Midship Section attached, and in all other respects with the Rules of A. Class.

The Iron work is efficiently protected from oxidation by Cement and paint, and the workmanship throughout is good.

State if one, two, or three decked vessel, or if open, or covering 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 90.A.1

The amount of the Entry Fee is received by me, 12/3/84

Special Certificate ... 8: 8: 12/3/84

(to be sent as per margin), Certificate ...

(Travelling Expenses, if any, £ ...)

Committee's Minute

Character assigned

FRIDAY 23 MARCH 1884 18

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