

IRON SHIP.

Rev 27/1/18

3499 Survey held at Stockton Date, First Survey 18th Nov. 1874 Last Survey July 16th 1875in the Paddle Steamer "Swift"

Master

Built at StocktonWhen built 1874-75 Launched 5 June 1875By whom built W. Pearce & Co.Owners General & MarinePort belonging to London

Destined Voyage

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

Tonnage under 558.21

Ditto of Third, Spar, or Awning Deck.

Ditto of Deck or Raised Or. Dk.

Ditto of Houses on Deck

Ditto of Forecastle

Gross Tonnage 627.31

Less Crew Space

Less Engine Room

Register Tonnage 362.65

ONE, OR TWO DECKED, THREE DECKED VESSEL.

SPAR, OR AWNING-DECKED VESSEL.

HALF BREADTH (moulded) 13.5/2

DEPTH from upper part of Keel to top of Upper Deck Beams 15.9/2

GIRTH of Half Midship Frame (as per Rule) 26.7

1st NUMBER 55.10

1st NUMBER, if a THREE-DECKED VESSEL

LENGTH 198.74

2nd NUMBER 11110.

PROPORTIONS—Breadths to Length Under 7/2

Depths to Length—Upper Deck to Keel Over 12

Main Deck ditto

LENGTH	Feet.	Inches.	BREADTH	Feet.	Inches.	DEPTH	Feet.	Inches.	Power of Engines	Horse.	Nº. of Decks with flat laid	Nº. of Tiers of Beams
per Rule	198	10	Moulded	26	11	top of Floors to Upper Deck Beams	14	6			Two	Two
						Do. do. Main Deck Beams						

Dimensions of Ship per Register, length, 200 7/10 breadth, 24.25 depth, 14.5

	Inches in Ship.	Inches per Rule.
KEEL, depth and thickness	7 1/2 x 2 3/8	7 1/2 x 2 1/4
STEM, moulding and thickness	7 x 2 1/4	7 x 2 1/4
STERN-POST for Rudder do. do.	7 x 2 1/4	7 x 2 1/4
for Propeller		
Distance of Frames from moulding edge to moulding edge, all fore and aft	22	22 (Class 100.41)

	Inches.	Inches.	16ths.	Inches.	Inches.	16ths.
FRAMES, Angle Iron, for 1/2 length amidships	3 1/2	3	6/16	3 1/2	3	6/16
Do. for 1/2 at each end	3 1/2	3	6/16	3 1/2	3	6/16

	Inches.	Inches.	16ths.	Inches.	Inches.	16ths.
REVERSED FRAMES, Angle Iron	2 1/2	2 1/2	5/16	2 1/2	2 1/2	5/16
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships	15 1/2	9/16	7/16	15 1/2	9/16	7/16
thickness at the ends of vessel	15 1/2	X	6/16	15 1/2	X	6/16
depth at 1/2 the half-bath, as per Rule	8			8		
height extended at the Bilges	31			31		

	Inches.	Inches.	16ths.	Inches.	Inches.	16ths.
BEAMS, Upper, Spar, or Awning Deck	6 1/2	X	6/16	6 1/2	X	6/16
Single or double Ang. Iron, Plate or Tee Bulb Iron	2 1/2	2 1/2	5/16	2 1/2	2 1/2	5/16
Single or double Angle Iron on Upper edge	4 1/4			4 1/4		
Average space	4 1/4			4 1/4		

	Inches.	Inches.	16ths.	Inches.	Inches.	16ths.
BEAMS, Main, or Middle Deck	5 1/2	X	6/16	5 1/2	X	6/16
Single or double Ang. Iron, Plate or Tee Bulb Iron	2 1/2	2 1/2	5/16	2 1/2	2 1/2	5/16
Single or double Angle Iron on Upper edge	4 1/4			4 1/4		
Average space	4 1/4			4 1/4		

	Inches.	Inches.	16ths.	Inches.	Inches.	16ths.
BEAMS, Lower Deck, Hold, or Orlop	5 1/2	X	6/16	5 1/2	X	6/16
Single or double Ang. Iron, Plate or Tee Bulb Iron	2 1/2	2 1/2	5/16	2 1/2	2 1/2	5/16
Single or double Angle Iron on Upper edge	4 1/4			4 1/4		
Average space	4 1/4			4 1/4		

	Inches.	Inches.	16ths.	Inches.	Inches.	16ths.
KEELSONS Centre line, single or double plate, box, or intercostal, plates	12 1/4	X	10/16	12 1/4	X	10/16
Rider Plate	7 1/2	X	8/16	7 1/2	X	8/16
Bulb Plate to Intercostal Keelson	4 1/2	3	7/16	4 1/2	3	7/16
Angle Irons	4 1/2	3	7/16	4 1/2	3	7/16
Double Angle Iron Side Keelson	5 1/2			5 1/2		
Side Intercostal Plate	5 1/2			5 1/2		
do. Angle Irons	5 1/2			5 1/2		
Attached to outside plating with angle iron	5 1/2			5 1/2		

	Inches.	Inches.	16ths.	Inches.	Inches.	16ths.
BILGE Angle Irons	6 1/2	X	6/16	6 1/2	X	6/16
do. Bulb Iron	6 1/2	X	6/16	6 1/2	X	6/16
do. Intercostal plates riveted to plating for length	4 1/2	3	7/16	4 1/2	3	7/16

	Inches.	Inches.	16ths.	Inches.	Inches.	16ths.
BILGE STRINGER Angle Irons	4 1/2	3	7/16	4 1/2	3	7/16
Intercostal plates riveted to plating for length	4 1/2	3	7/16	4 1/2	3	7/16

	Inches.	Inches.	16ths.	Inches.	Inches.	16ths.
SIDE STRINGER Angle Irons	4 1/2	3	7/16	4 1/2	3	7/16

	Inches.	Inches.	16ths.	Inches.	Inches.	16ths.
Transoms, material. Knight-heads. Hawse Timbers.	Plates & Angles			Plates & Angles		
Windlass	Iron			Iron		
Pall Bitt						

	Inches.	Inches.	16ths.	Inches.	Inches.	16ths.
Plates & Angles						

	Inches.	Inches.	16ths.	Inches.	Inches.	16ths.
Plates & Angles						

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Plates & Angles						

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Plates & Angles						

	Inches.	Inches.	16ths.	Inches.	Inches.	16ths.
Plates & Angles						

	Inches.	Inches.	16ths.	Inches.	Inches.	16ths.
Plates & Angles						

Flat Keel Plates, breadth and thickness

PLATES in Garboard Strakes, breadth and thickness

ness from Garboard to upper part of Bilges

of doubling at Bilge, or increased thickness, and length applied

fm up. part of Bilge to lr. edge of Sh'rstrake

Main Sheerstrake, breadth and thickness

of d'bling at Sh'rstrake, & length applied

from Min. to Up. or Spar Dk. Sh'rstrake.

Upper Spar Dk. Sh'rstrake, breadth & thickness

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,

Planksheer material and scantling

Waterways do. do.

Flat of Upper Deck do. do.

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

Waterways materials and scantlings

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. 2

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?

Bulkheads No. 5 Thickness of

Height up Upper Deck & Cabin floor

How secured to sides of ship

Size of Vertical Angle Irons 2 1/2 x 2 1/2 x 5/16 and distance apart 30 ins.

Are the outside Plates doubled two spaces of Frames in length?

The above is a correct description.

Builder's Signature,

Surveyor's Signature,

Surveyor to Lloyd's Register of Shipping and Marine Insurance

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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? *Solid Single Pieces*
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 in butts.*

Masts, Bowsprit, Yards, &c., are *Pikah River* in *Good* condition, and sufficient in size and length. If of Iron or Steel give
Scanlings 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 *Foremast length 61 ft. Main Mast length 62 ft. Diam 16 in.*

NUMBER for EQUIPMENT		Fathoms.	Inches.	Test per Certificate.	Length & Size req'd per Rule.	Test req'd per Rule.	ANCHORS.	N ^o .	Weight. Ex. Stock.	Test per Certificate.	Weight req'd per Rule.	Test req'd per Rule.
12221		210	15 1/16	46 1/2 tons	210 x 1 5/16	46 1/2 tons	Bowers	3	15" 2" 8	17.0-3-21	15 1/4 cwt	16 1/2 tons
one		90	14 1/16		90 x 1 1/16				15" 1" 14	16-16-2-7		
Fore Sails,									13" 2" 4	15-5-3-21	12 3/4 cwt	14 13/20 tons
Fore Top Sails,												
Fore Topmast Stay Sails												
Main Sails,												
Main Top Sails,												
and												

Standing and Running Rigging *Wire & Hemp* sufficient in size and *Good* in quality. She has *one Life* Long Boat and *Two Cutters & one Gig*
The Windlass is *Iron* Capstan *Iron* and Rudder *efficient* Pumps

Engine Room Skylights.—How constructed? How secured in ordinary weather?

What arrangements for deadlights in bad weather?

Coal Bunker Openings.—How constructed? How are lids secured? Height above deck?

Scuppers, &c.—What arrangements for clearing upper deck of water, in case of shipping a sea? *Three Scuppers and Two Ports on each side.*

Cargo Hatchways.—How formed? *Comings Plates 28 in x 9/16 Angles 3 x 3 x 9/16*

State size Main Hatch *11 ft x 8 ft* Forehatch *12 ft x 8 ft* Quarterhatch

If of extraordinary size, state how framed and secured?

What arrangement for shifting beams? *Sup Beam Plates 9/16 top Angles 3 x 3 x 9/16*

Hatches, If strong and efficient? *Strong and efficient.*

Order for Special Survey No. <i>519</i>	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	<i>Special Survey Date of Surveys 1874 Nov. 18. 30</i>
Date <i>20th Nov. 1874</i>		2nd. On the plating during the process of riveting	<i>Dec. 8. 17. ~ 1875 Jan. 9. 13. 19 Feb. 1. 10. 17. 25.</i>
Order for Ordinary Survey No. —		3rd. When the beams were in and fastened, and before the decks were laid...	<i>March 1. 10. 16. 23. April 1. 7. 13. 22. 27. 29. May</i>
Date —		4th. When the ship was complete, and before the plating was finally coated or cemented...	<i>1. 25. 27. June 2. 7. 9. 11. 14. 18. 25. 29.</i>
No. <i>140</i> in builder's yard.		5th. After the ship was launched and equipped	<i>July 6. 8. 11. 16.</i>

General Remarks (State quality of workmanship, &c.) *Workmanship & Material good*

Is fitted with raised Quarter Deck frames all to the top height. Beams of single Angles 5 1/2 x 3 x 8/16. Stringer plates on beams 3 1/2 x 9/16 Angles on beam 3 x 3 x 7/16 tie plates 8 x 9/16. Deck 3 in 4 pine outside plating 6/16 Sheerstrakes doubled for 28 ft in way of break off plate, butts treble riveted. main deck stringer plates extend 12 ft above break. Forecastle frames all to the top height beams of single Angles 4 1/2 x 3 x 7/16. Stringer plates on beam 20 x 5/16 tie plates 8 x 5/16. Angles on beam 3 x 3 x 6/16 Deck 3 in 4 pine plating outside 5/16 Waterways 10 x 5 oak. Raddle beams made with four plates 15 x 6/16 four Angles 3 1/2 x 3 1/2 x 7/16. Web frames inside two plates 15 x 6/16 Angles on inner edge 3 x 3 x 6/16. Engine beam made with 4 plates 10 x 7/16 four Angle irons 3 1/2 x 3 1/2 x 7/16

M. B. Cursey

State if one, two, or three, decked vessel, or if open, or awning decked, and the lengths of *43 ft 6 in* fore-castle, *61 ft* or raised quarter deck, and the length of double, or part double bottom.

How are the surfaces preserved from oxidation? Inside *Flak cemented with Portland Cement* Outside *other part with Paint*

I am of opinion this Vessel should be Classed *100 A1* when completed

The amount of the Entry Fee ... £ *5* : 0 : 0 is received by me, *SMG*

Special ... £ *29* : 14 : 0 *26 July 1875*

Certificate ...

(Travelling Expenses, if any, £ ...)

Committee's Minute *10th September 1875*

Character assigned *100 A1*

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