

## COMPOSITE SHIP.

See previous # 9077  
Report

Rec 9/9/67

July 12<sup>th</sup> 1867No. 9077 Survey held at Sunderland Dateon the Black Ocean RoverMaster HammondTonnage under tonnage deck 517-26Ditto of half or spar deck 88

Ditto of engine room

Gross tonnage

Total Register tonnage 548-15Built at SunderlandWhen built 1867Launched July 1<sup>st</sup> 1867By whom built R Thompson Junr Owners J & J ThompsonPort belonging to SunderlandDestined Voyage India

If Surveyed while Building, Afloat, or in Dry Dock

While Building

Feet.	Inches.	Feet.	Inches.	Feet.	Inches.	Feet.	Inches.	Horse.	No. of Decks		
Length aloft	150	Extreme Breadth	28	Depth from top of Upper Deck Beam to top of Floor	18	Power of Engines			one		
(Dimensions of Ship per Register, length 153-0 breadth 28-75 depth 18-0)											
Inches in Ship. Inches required per Rule. Inches suggested per Rule.											
Keel, siding and moulding	14 x 15 1/2	13 1/2 x 15	Garboard Strakes, thickness	7 3/4	10						
„ plate, breadth and thickness	26 x 10 1/6	27 x 11 1/6	Garboard to Topsides ditto	5	5						
Stem, siding and moulding	13 3/4 x 17 1/2	13 1/2 x 13 1/2	Topsides ditto	4	4						
Fore deadwood plate, breadth and thickness	14 1/2 x 9 1/6	x 2 1/4	Sheerstrakes ditto	4	4						
Stern-post, siding and moulding	13 3/4 x 16 1/2	13 1/2 x 15	Planksheers ditto	4	3 3/4						
After deadwood plate, breadth and thickness	13 3/4 x 8 1/6	x 2 1/6	Water-Upper Deck	11							
Distance of Frames from moulding edge to moulding edge, all fore and aft	18	18	Ways-Lower Deck								
Inches in Ship. Inches in Ship. 16ths in Ship. In. req'd per Rule. In. req'd per Rule. 16's req'd per Rule.											
Frames, Size of Angle Iron, single or double	3 1/2	3 1/2	7	3 1/2	3 1/2	7	Iron Sheerstrake, breadth and thickness	24	8	25	9
„ „ Reversed Iron, if to every frame or every frame	2 3/4	2 3/4	6	2 1/2	3	6	„ Bilge Plate ditto ditto	12	8	16 1/2	9
Floors, depth and thickness of Floor Plate at Mid line	19	-	8	19 1/2	-	8	Diagonal Plates on Frames	6	8	6 1/2	9
„ Ditto ditto at Bilge Keelson	7 1/2	-	8	-	-	8	Gunwale Plate or Stringer on ends of Upper Deck Beams, breadth and thickness	21	8	21	9
„ Size of Reversed Angle Iron, and No. one at top of Floor Plate	2 3/4	2 3/4	6	2 1/2	3	6	Angle Iron on ditto	4 1/2 x 3 1/2	7	4 x 3 1/2	7
„ If of Wood, siding & mould'g. at Mid. line	-	-	-	-	-	-	Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways	10	8	10 1/2	9
Beams, Deck (No. 12) double Angle Iron, Plate, Tee, or Bulb Iron	7	-	7	7	-	8	Diagonal Tie Plates on ditto	10	8	10 1/2	9
„ „ double or single Angle Iron, on top edge	2 3/4	2 3/4	5	2 3/4	2 3/4	5	Flat of Upper Deck, thickness	3 1/2	-	3 3/4	-
„ „ average space between	4/6	-	-	4/6	-	-	Ceiling betwixt Decks, thickness	1 1/2	-	2 1/2	-
„ Hold, or Lower Deck (No. 29) double Angle, Tee, Plate, or Bulb Iron	7	-	7	7	7 1/2	9	„ in Hold, thickness	2 1/2	-	2 1/2	-
„ „ double or single Angle Iron, on top edge	2 3/4	2 3/4	5	2 3/4	2 3/4	5	Clamps or Spirketting ditto	1 1/2	-	-	-
„ „ average space between	4/6	-	-	4/6	-	-	Stringer Plates on ends of Hold or Lower Deck Beams, breadth and thickness	15 1/2	8	15 1/2	9
Keelson, single or double plate, box, or intercostal	12 3/4	-	11	12 1/2	-	11	Stringer or Tie Plates fore and aft outside Hatchways, on Hold or Lower Deck Beams	4 1/2 x 3 1/2	7	3 1/2 x 3 1/2	7
„ Size of Plates	4 1/2	3 1/2	7	4	3 1/2	7	Stringers in Hold	4 1/2 x 3 1/2	7	4 x 3 1/2	7
„ Size of Angle Irons	4 1/2	3 1/2	7	4	3 1/2	7	Flat of Lower Deck, thickness	-	-	-	-
„ If of Wood, siding and moulding	-	-	-	-	-	-	Diameter of Hold Pillars	2 1/2 x 2 3/4	-	3 1/2 x 2 1/2	-
„ Side, single or double, plate, box, or intercostal	-	-	-	-	-	-	Main piece of Rudder, diameter at head	14 1/2 x 16 1/2	-	14 3/4 x 14 3/4	-
„ Bilge (No. one) at each Bilge, single, or double, plate or box	4 1/2	3 1/2	7	4	3 1/2	7	(Can the Rudder be unshipped afloat)	Yes	-	-	-

Frames, Size of Angle Iron, single or double

3 1/2 3 1/2 7

3 1/2 3 1/2 7

„ „ Reversed Iron, if to every frame or every frame

2 1/2 2 1/2 6

2 1/2 3 6

Floors, depth and thickness of Floor Plate at Mid line

19 — 8

19 1/2 8

„ Ditto ditto at Bilge Keelson

7 1/2 — 8

— — 8

„ Size of Reversed Angle Iron, and No. one at top of Floor Plate

2 1/2 2 1/2 6

2 1/2 3 6

„ If of Wood, siding & mould'g. at Mid. line

— — —

Beams, Deck (No. 2) double Angle Iron, Plate, Tee, or Bulb Iron

7 — 7

7 — 8

„ „ double or single Angle Iron, on top edge

2 1/2 2 1/2 5

2 3/4 2 1/2 5

„ „ average space between

4 1/6 — —

4 1/6 — —

„ Hold, or Lower Deck (No. 29) double Angle, Tee, Plate, or Bulb Iron

7 — 7

7 7 9

„ „ double or single Angle Iron, on top edge

2 1/2 2 1/2 5

2 3/4 2 1/2 5

„ „ average space between

4 1/6 — —

4 1/6 — —

Keelson, single or double plate, box, or intercostal

12 1/2 — 11

12 1/2 — 11

„ Size of Plates

4 1/2 3 1/2 7

4 3/2 3 1/2 7

„ Size of Angle Irons

4 1/2 3 1/2 7

4 3/2 3 1/2 7

„ If of Wood, siding and moulding

— — —

„ Side, single or double, plate, box, or intercostal

4 1/2 3 1/2 7

4 3/2 3 1/2 7

„ Bilge (No. one) at each Bilge, single, or double, plate or box

4 1/2 3 1/2 7

4 3/2 3 1/2 7

Floors consist of Iron Plate The Main piece of Rudder is E. I. Leath of Windlass is Iron Bolt  
 „ „ „ „ „ „ The Main Keelson is Iron Plate & double angle iron top & bottom and apply free from all defects.  
 „ „ „ „ „ „ The Transoms, Knight Heads, Hawse Timbers,  
 „ „ „ „ „ „ Deadwood, of Am R Bolt & Iron and are apply free from all defects.  
 „ „ „ „ „ „ The Breasthooks of Iron The Knees of none  
 „ „ „ „ „ „ Deck and Hold Beams of Iron

Planking Outside.—From the Keel to the Height defined in Note to Table A the Plank is Am R Elm Greenheart & E. I. Leath  
 From the above named Height to the Light Water Mark E. I. Leath  
 From the Light Water Mark to the Wales E. I. Leath  
 The Wales and Black-strakes are E. I. Leath The Topsides & Sheerstrakes E. I. Leath  
 The Spirketting and Planksheers E. I. Leath The Water-ways { Upper Deck E. I. Leath  
 Lower Deck  
 The Decks Y Pine State of Good How fastened to Beams Galvanized Iron Bolt with nuts & washers  
 The Shifts of the Planking are not less than 6 Feet — Inches. N. B. If less than prescribed by the Rule, state whether general  
 or partial, and if partial, in what part of the Ship. The Planking is wrought 3 between, and without step-butting.

Planking Inside.—The Limber-strakes and Bilge-strakes are Red Pine  
 The Ceiling, Lower Hold, and between Decks Red Y Pine Shelf pieces and Clamps  
 Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted? Double  
 Planksheer, how secured to the plating of the sides { Explain by sketch { Planksheers bolted into Wood Waterways & Sheerstrakes.  
 Waterway „ „ „ „ „ „ if necessary. { Waterways bolted through Iron Stringer plate & Sheerstrake Plate  
 Deck Beams, how secured to the side? Riveted to Iron & Stringer Plate  
 Hold or Lower Deck ditto do do do  
 General Quality of Workmanship Good No. of breasthooks Five crutches Three  
 What description of Iron is used for the Frames, Beams, Keelsons, Stringer and Tie Plates, Outside Plating, &c.? Angle Iron made by Steelton  
 Manufacturer's name or trade mark Malleable Iron Co. Plate by Consell Iron Co.

We certify that the above is a correct description of the several particulars therein given.  
 Builder's Signature Robert Thompson Junr Surveyor's Signature Senhouse Mastenale

Deviations marked in Red Ink

518937-0202

Size of Bolts in Fastenings, distinguishing whether Copper, Yellow Metal, Galvanized Iron, or Iron.

	Copper or Y.M. in Ship.	Iron in Ship.	Inches required per Rule		Copper or Y.M. in Ship.	Iron in Ship.	Inches required per Rule		Copper or Y.M. in Ship.	Iron in Ship.	Inches required per Rule
Deadwood forward and aft ..	1 3/16	—	1 1/8	Transoms and throats of Hooks	—	—	—	Hold Beam } { Waterway ....	—	—	—
Scarp of Keel, N° 8 & down	1	—	—	Arms of Hooks .....	—	—	—	Bolts in } { Knees .....	—	—	—
Keelson Bolts through Keel at each Floor .....	—	—	—	Thro' Frames and Planking ....	1 1/4	—	1 3/16	Deck Beam } { Waterway ....	—	1 5/16	1 1/16
Bolts through Iron Keel Plate and Wood Keel .....	1 1/8	—	1 1/8	Butt End Bolts ..	1 1/4	—	1 3/16	Bolts in } { Knees .....	—	—	—
				Pintles of the Rudder .....	3 1/8	—	3 1/8	Nails or Bolts in Flat of Deck	—	8/16	—

Her Masts, Bowsprit, Yards, &c., are in \_\_\_\_\_ condition, and sufficient in size and length. If they are of Iron or Steel give the 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 rivetting, quality of Materials, and if stamped with Maker's name.

N°.	She has SAILS.	CABLES, &c.	Fathoms.	Inches.	Test as per Certificate.	In. req'd per Rule.	Test req'd per Rule.	ANCHORS, &c.	N°.	Weight. Ex. Stock.	Test as per Certificate.	W'ght req'd per Rule.	Test req'd per Rule.
	Fore Sails,	Chain .....						Bowers .....					
	Fore Top Sails,												
	Fore Topmast Stay Sails,	Hempen Stream Cable..											
	Main Sails,	Hawser .....						Stream .....					
	Main Top Sails,	Towlines .....											
and		Warp .....						Kedges .....					
		All of _____ quality.											

Her Standing and Running Rigging \_\_\_\_\_ sufficient in size and \_\_\_\_\_ in quality.

She has \_\_\_\_\_ Long Boat and \_\_\_\_\_

The present state of the Windlass is \_\_\_\_\_ Capstan \_\_\_\_\_ and Rudder \_\_\_\_\_ Pumps \_\_\_\_\_

Order for Special Survey	1st. Examination of the wood keel, stem, stern post, and deadwood before they are coated _____
No. _____	2nd. Of the frame before it is painted, strapped, or plated _____
Date _____	3rd. Of all the beams, stringers, plates, &c., when in place, rivetted-up ready to receive the planking _____
Order for Ordinary Survey	4th. When the vessel is planked outside, dubbed fair, and all the fastenings completed, but before she is either
No. _____	caulked, coated, or cemented, so that the inside and outside of the planking, and the bolts and their nuts,
Date _____	may be carefully examined _____
	5th. When the vessel is caulked and completed _____
	6th. When the vessel is launched and equipped _____
	<i>Deviation from the Suggestions.</i>
State if she has a Spar Deck _____	Poop _____ or Forecastle _____

General Remarks, *No 1- Keel not Padded & bolts not driven on of Metal Rings, but is efficient & forewelled.*  
*" 2 Keel Plate not flanged forward & aft, neither has angle Irons on each edge, but has*  
*sufficient inner rabbet of Stern, Sternpost & Keel, also an inner Stern & Sternpost of wood to receive*  
*the planking in a substantial manner & bolted into the same.*  
*3- The narrow plange of Frames not of a parallel thickness.*  
*4- The Middle line Keelson has no foundation Plate.*  
*5- The Bilge Keelsons have no Bull Plate, & no Intercoastal Plates except from 6 to 11th.*  
*6- The alternate reversed Angle Iron on the Frames extends to above the top of bilge, instead of running*  
*up to angle Iron on lower side Stringer Plate, joined Spun Yarn in the Seams.*  
*7- The bolts not driven with Calum and White Lead, nor Spun Yarn in the Seams.*  
*8 The Butt Strap the same thickness as the plate viz- 8/16- Should be 9/16 & 1 1/16.*

*Leahouse Martindale*

In what manner are the surfaces of Iron Work preserved from oxidation \_\_\_\_\_

Present condition of Caulking of Bottom \_\_\_\_\_ Deck, \_\_\_\_\_ and Waterways \_\_\_\_\_

If Sheathed, Doubled, Felted, or Coppered \_\_\_\_\_ When last done \_\_\_\_\_

I am of opinion this Vessel should be Classed \_\_\_\_\_

The Amount of the Fee.....£ : : is received by me,

Special .....£ : :

Certificate ....£ : :

Committee's Minute \_\_\_\_\_ 18 \_\_\_\_\_

Character assigned \_\_\_\_\_



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Foundation