

No. 18098 Survey held at Liverpool Date 31st Oct^r 1861 to 2nd March 1863
on the Barge Sir Henry Haselock Master John Dickhall
Tonnage New 460 48 Built at Liverpool When built 1862 Launched 23rd Dec^r 1862
By whom built Clarke Owners Roberts & Griffith
Port belonging to Liverpool Destined Voyage Liverpool
Surveyed while Building, Afloat, or in Dry Dock On the blocks and afloat

Length aloft	Feet.		Inches.		Extreme Breadth Outside	Feet.		Inches.		Depth of Hold	Feet.		Inches.	
	Sided.	Moulded.	Sided.	Moulded.		Sided.	Moulded.	Sided.	Moulded.		Sided.	Moulded.	Sided.	Moulded.
138		410			27		710			18		410		
Thickness of Plank.														
Scantlings of Timber.					Outside.					Inside.				
TIMBER AND SPACE					Garboard Strakes					Limber Strakes				
Floors	15	18	12	12 1/2	12 1/2	12 1/2	10 1/2	4	3 3/4	Bilge Planks	5	4	5	4
1 st Foothooks	12	12 1/2	11 1/2	10 1/2	10 1/2	10 1/2	8 1/2	5	3 3/4	Ceiling in Flat	3	3	3	3
2 nd Ditto	10	11 1/2	8 1/2	9 1/2	9 1/2	8 1/2	8	4	3 3/4	Ditto Bilge to Clamp	4	3	4	3
3 rd Ditto	8 1/2	9	6 1/2	8 1/2	8 1/2	8 1/2	6	5	5	Hold Beam Clamps	8 1/2	4 1/4	8 1/2	4 1/4
Top Timbers	8 1/2	9	6 1/2	8 1/2	8 1/2	8 1/2	6	4	4	Deck Beam Ditto	4 1/2	3	4 1/2	3
Deck { N ^o 24 Average Space 4 feet 8	9	10	8	8 1/2	8 1/2	8 1/2	7 1/4	4	4	Ceiling 'twixt Decks	4	2 1/2	4	2 1/2
Beams { 8 for outer deck beams	7	7	7	7	7	7	7	4	4	Hold Beam Shelves	11	clamps above	11	clamps above
Deck Beams, length amidships	25	feet 3	"	"	"	"	"	4	4	Deck Beam Ditto	none		none	
Hold { N ^o 21 Average Space 4 feet 6	12	12	10 1/2	11 3/4	11 3/4	11 3/4	9 3/4	4	3 3/4					
Beams	12	12	10 1/2	11 3/4	11 3/4	11 3/4	9 3/4	4	3 3/4					
Hold Beams, length amidships	25	feet 3	"	"	"	"	"	4	3 3/4					
Keel	14	14	14	13 1/2	13 1/2	13 1/2	13 1/2	4	3 3/4					
Scarp of Ditto	6	feet	"	"	"	"	"	4	3 3/4					
Keelsons	15	15	"	14 1/2	14 1/2	14 1/2	"	4	3 3/4					
Scarp of Ditto	9	feet	"	"	"	"	"	4	3 3/4					

Size of Bolts in Fastenings, distinguishing whether Copper or Iron; also of Treenails.

Heel-Knee, and Deadwood abaft	Copper		Inches		Transoms and throats of Hooks	Copper		Inches		Hold Beam Bolts in	Copper		Inches	
	Inches in Ship.	Inches required per Rule.				Inches in Ship.	Inches required per Rule.				Inches in Ship.	Inches required per Rule.		
Scarp of Keel	1 1/4	1 1/4			Arms of Hooks	1 1/4	1 1/4			Waterway	1 1/4	1 1/4		
Keelson Bolts through Keel at each Floor	1 1/8	1 1/8			Bolts thro' Bilge & Limber Strakes, or Thickstuff over Double Floors	1 1/8	1 1/8			Shelf for Clamp	1 1/8	1 1/8		
Bolts through Heels of Timbers against Deadwood	1	1 1/4			Butt End Bolts	1 1/8	1 1/8			Waterway	1 1/8	1 1/8		
					Pintles of the Rudder	1 1/8	1 1/8			Shelf for Clamp	1 1/8	1 1/8		
										Nails or Bolts in Flat of Deck	1 1/8	1 1/8		
										Treenails	1 1/8	1 1/8		

Timbering.—The Space between the Floor Timbers and Lower Foothooks is 2 Inches. The Space between the Top-Timbers is 4 1/2 Inches.

The Floors consist of English oak The First Foothooks of English oak

The Second Foothooks of English oak The Third Foothooks and Top Timbers of English oak

The Shifts of the First and Second Foothooks are not less than 5 feet N. B. When less than prescribed by the Rule, state how many.

The rest of the Shifts of the Frame are 1 @ 8 feet

The Frame is well squared from the First Foothook Heads upwards, and all free from sap, and from thence downwards, the

frame is well squared and free from sap

The alternate Frames are all bolted together to the Gunwale. N. B. If not, state how bolted.

The Butts of the Timbers are all close together; their thickness not less than 1/3 of the entire moulding at that place.

The Frame is cross chocked with 1 Butt at each end of the chock. upper timbers of the frame The Main piece of Rudder is Scarp of

The Main Keelson is Green heart and all free from all defects. The Main piece of Windlass is Green heart

The Stem, and Stern Post, consist of English oak & Teak The Transoms, Aprons, Knight Heads, and

Hawse Timbers of English oak Deadwood, of English oak and are all free from all defects.

The Deck and Hold Beams consist of Greenheart and English oak The Breasthooks of Greenheart The Knees of Iron

Planking Outside.—From the Keel to the Height defined in Note to Table A, the Plank is Rock Elm

From the above named Height to the Light Water Mark Greenheart

From the Light Water Mark to the Wales Greenheart

The Wales and Black-strakes are Greenheart The Topsides Teak

The Sheer-strakes and Plank-sheers Teak & English oak The Water-ways { Upper Deck Teak

The Decks Yellow Pine Lower Deck Greenheart

The Shifts of the Planking are not less than 6 Feet inches State of very good

or partial, and if partial, in what part of the Ship. N. B. If less than prescribed by the Rule, state whether general

The Planking is wrought between between, and without step-butting

Planking Inside.—The Limber-strakes and Bilge-strakes are Greenheart

The Ceiling, Lower Hold, and between Decks Greenheart Shelf Pieces and Clamps Greenheart

Fastenings.—To Hold Beams Double T Plate Nails and 21 Pairs of knee girders

all of which extend down to take two bolts in the floor heads

Deck Beams Double iron lodging knees 12 Pairs of hanging knees and 12 Pairs

of staple standards

Number of Breasthooks five Pointers one pair Crutches one and 3 Hovis round

Butts End Bolts are of yellow metal in the Bottom, and one Bolt in each Butt End through and clenched one short bolt

Bilge and Limber Strakes yellow metal bolted through and clenched. Treenails of Locust How Made turned

Thickstuff over Double Floors bolted through and clenched General Quality of Workmanship good

We certify that the above is a correct description of the several particulars therein given

Builder's Signature W. J. Clarke Surveyor's Signature W. J. Clarke

LN 584-0278

Her Masts, Yards, &c. are in good condition, and sufficient in size and length.

She has SAILS.

N^o.
Fore Sails,
Fore Top Sails,
Fore Topmast Stay Sails,
Main Sails,
Main Top Sails,

CABLES, &c.

Chain 370
Hempen Stream Cable 90
Hawser
Towlines
Warp 90
All of good quality.

Fathoms. Inches.
17
13
9

ANCHORS, and their weights.

No. Weight.
25 - 2 - 18
25 - 2 - 18
20 - 1 - 13
Stream, 1 8 - 1 - 2
Kedge, 2 4 - 0 - 24
1 - 3 - 24

Her Standing and Running Rigging is well put sufficient in size and good in quality.

She has one Long Boat and two others

The present state of the Windlass is good Capstan good Rudder good Pumps good

General Remarks and Statement and Date of Repairs, if any.

DATES of Surveys held while building, as per Section 35.
1st. When the Frame is completed
2nd. When the Beams are put in, &c. Frequently surveyed while Building
3rd. { When completed, and before the plank be painted or payed }

This vessel has 14 Pairs of iron straps 4 by 5/8 on the inner surface of the frame and bolted through every timber with 3/4 bolts. Straps not exceeding 8 feet apart and extend from the upper part of upper deck beams down to take two bolts in the floor heads beyond the chocks. The vessel is also diagonally ceiled from the upper deck clamps down to the upper part of the bilges. The flat of the upper and quarter deck are fastened with galvanized nails and the whole of the outside planking is fastened with trenails and lead yellow metal bolts. No iron bolts or nails are used in any part of the vessel except what is allowed by the rules Section 4.

As the caulking has been examined by having pieces cut out of the planking which was found good

Present condition of Caulking of Bottom, good Deck, good and Waterways good

If Sheathed, Doubled, Felted, or Coppered yellow metal on felt When last done present time

I am of opinion this Vessel should be Classed 13 A 1

The Amount of the Fee.....£ 5 : - : - is received by me,

Special£ 23 : - : - 30/4/63

Certificate£ Grates

Committee's Minute 5th May 18 63.

Character assigned A 1 for 13 Years



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