

No. 8179 Survey held at Sunderland Date July 1st 1864  
 on the BK "FUGITIVE" Master W. R. Barwood  
 Old 471 1/2 Built at Sunderland When built 1863-4 Launched 6 June 1864  
 Tonnage New 471 1/2 Owners J. B. Walker  
 By whom built G. Gardner  
 Port belonging to London Destined Voyage London thence to Lauceston  
 If Surveyed while Building, Afloat, or in Dry Dock Whilst Building

Length aloft	Feet			Inches			Extreme Breadth Outside	Feet	Inches	Depth of Hold	Thickness of Plank	
	Slid.	Moulded	REQUIRED PER RULE	Slid.	Moulded	REQUIRED PER RULE					In Ship	Required per Rule
144	2	2	28 1/2	29	35	17	5					

Iron 22 1/2  
 & Oak 7  
 Iron 28

Scantlings of Timber.	Feet			Inches			Outside	Inches		Inside	Inches	
	Slid.	Moulded	REQUIRED PER RULE	Slid.	Moulded	REQUIRED PER RULE		In Ship	Required per Rule		In Ship	Required per Rule
TIMBER AND SPACE	2 1/4	"	"	28 1/2	"	"	Garboard Strakes ..	3 3/4	3 3/4	Limber Strakes ....	9 x 9	4
Floors	12	10	10 1/2	12 1/4	10 1/2	10 1/2	Garboard to Bilge ..	3 3/4	3 3/4	Bilge Planks .....	4 1/4	4
1st Foothooks	10	10	9 1/4	10 1/2	10 1/2	9 1/2	Bilge Planks .....	3 3/4	3 3/4	Ceiling in Flat ....	3 1/8	3
2nd Ditto	9 1/4	9 1/4	8 1/4	9 1/2	9 1/2	8 1/2	Bilge to Wales ....	3 3/4	3 3/4	Ditto Bilge to Clamp	3	3
3rd Ditto	8 3/4	"	5 3/4	8 1/2	"	6	Wales .....	4 3/4	5	Hold Beam Clamps ..	5	4 1/4
Top Timbers	8 1/4	"	5 3/4	8 1/2	"	6	Topsides .....	3 3/4	4	Deck Beam Ditto ..	4 3/4	4
Deck Beams	9 1/8	2 1/2	2 1/2	9 1/8	2 1/2	2 1/2	Sheer Strakes .....	3 3/4	4	Ceiling 'twixt Decks	3	2 1/2
Deck Beams, length amidships	2 1/2	"	"	2 1/2	"	"	Plank Sheers .....	3 3/4	3 3/4	Hold Beam <u>Spirks</u>	9 x 9	4 1/4
Hold Beams	2 1/2	"	"	2 1/2	"	"	Water-Upper Deck	10 x 10	6	Deck Beam Ditto ..	18 x 7 1/2	15 x 7 1/2
Hold Beams, length amidships	2 1/2	"	"	2 1/2	"	"	Ways Lower Deck			Deck Beam Ditto ..	20 x 7 1/2	20 x 7 1/2
Keel	13	14 1/2	"	13 1/2	13 1/2	"	Ditto, faying surface	6 1/2	6	angle irons on each	4 x 3 x 7 1/2	4 x 3 x 9 1/2
Scarphs of Ditto	5 1/2	"	"	5 1/2	"	"	Upper Deck	3	3			
Keelsons	14	"	"	14 1/2	14 1/2	"						
Scarphs of Ditto	5 1/2	"	"	5 1/2	"	"						

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

	Copper in Ship	Iron in Ship	Inches required per Rule		Copper in Ship	Iron in Ship	Inches required per Rule
Heel-Knee, & Dead'w'd abaft	1 3/8	"	1 1/2	Transoms and throats of Hooks	1 1/8	"	1 1/8
Scarphs of Keel, N° 8	1	"	1 1/2	Arms of Hooks	1 1/8	"	1 1/8
Keelson Bolts through Keel at each Floor	1 1/8	"	1 1/8	Thro' Bilge & Limber Strakes	1 1/8	"	1 1/8
Bolts thro' Heels of Timbers against Deadwood	1 3/8	"	1 1/2	Thickstuff over Double Floors	1 3/8	"	1 3/8
				Butt End Bolts	1 3/8	"	1 3/8
				Pintles of the Rudder	3	"	3
				Hold Beam Bolts in Waterway	1 1/2	"	1 1/2
				Hold Beam Bolts in Knees	1 1/2	"	1 1/2
				Hold Beam Bolts in Shelf or Clamp	1 1/2	"	1 1/2
				Deck Beam Bolts in Waterway	1 1/2	"	1 1/2
				Deck Beam Bolts in Knees	1 1/2	"	1 1/2
				Deck Beam Bolts in Shelf or Clamp	1 1/2	"	1 1/2
				Nails or Bolts in Flat of Deck	1 1/2	"	1 1/2
				Treenails	1 1/4	"	1 1/4

Timbering.—The Space between the Floor Timbers and Lower Foothooks is 2 Inches. The Space between the Top-Timbers is 5 Inches.

The Floors consist of German Oak 9 1/2 The First Foothooks of German & English Oak 12  
 The Second Foothooks of English Oak 12 The Third Foothooks and Top Timbers of English Oak 12

The Shifts of the First and Second Foothooks are not less than 1 1/4 N. B. When less than prescribed by the Rule, state how many.  
 The rest of the Shifts of the Frame are sufficient

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

The same Frames are same bolted together to the Gunwale. from the heads. N. B. If not, state how bolted.

The Butts of the Timbers are same close together; their thickness not less than 1 3/4 of the entire moulding at that place.  
 The Frame is cross chocked with some Butt at each end of the chock. The Main piece of Rudder is 8 1/2 Oak 12 of Windlass is 8 1/2 Oak 12

The Keel is 8 1/2 Oak The Main Keelson is Teak & Greenheart and aff free from all defects.  
 The Stem, and Stern Post of Teak, inner part of 8 1/2 Oak 12 The Transoms, Knight Heads, Hawse Timbers, and Aprons of English Oak 12 Deadwood, of 8 1/2 Oak & 8 1/2 Oak 12 and are aff free from all defects.

The Deck and Hold Beams of Iron, quartered 8 1/2 Oak The Breasthooks of Iron The Knees of Iron

Planking Outside.—From the Keel to the Height defined in Note to Table A, the Plank is American Elm 12  
 or to the First Foothook Heads

From the above named Height to the Light Water Mark Dantzic & other German Oak 12  
 From the Light Water Mark to the Wales Dantzic & other German Oak 9

The Wales and Black-strakes are Teak and Greenheart The Topsides & Sheer-strakes Teak 14  
 The Spirketting and Plank-sheers Teak & 8 1/2 Oak 12 & 14 The Water-ways { Upper Deck Teak 14  
 Lower Deck

The Decks Yellow Pine 12 State of Good  
 The Shifts of the Planking are not less than 5 Feet 1 Inches. N. B. If less than prescribed by the Rule, state whether general or partial, and if partial, in what part of the Ship.

Planking Inside.—The Limber-strakes and Bilge-strakes are Dantzic & other German Oak 10  
 The Ceiling, Lower Hold, and between Decks Dantzic Oak 10 Shelf Pieces and Clamps Dantzic Oak 10

Fastenings.—To Hold Beams 27 pairs of Hanging Knees 12 pair of which are Knee Riders  
double angle stringers 3 x 3 x 9 1/2 on top of beams

Deck Beams 28 pairs of Hanging Knees, & one pair of Lodging Knees in way of Wizen Mast, longitudinal stringers on beams outside the hatchways from the break forward and 3 pairs of Diagonal Jig Plates 10 x 7 1/2

Number of Breasthooks Six & Stringer plate Spikes Pointers Iron Crutches 1 & 2 Hooks one of each through and clenched.  
 Butt End Bolts are of Yellow Metal in the Bottom: two Bolts in each Butt End one of each through and clenched.

Bilge and Limber Strakes Yellow Metal bolted through and clenched. Treenails of English Oak 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 G. Gardner Surveyor's Signature J. W. Miles

SLD 936-0048



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

She has SAILS.		CABLES, &c.		ANCHORS, and their weights.			
N <sup>o</sup> .		Certificate produced test obtained from	Fathoms.	Inches.	Certificate produced test obtained from	N <sup>o</sup> .	Weight.
2	Fore Sails,	Chain	270	1 1/6	Bower,	3	23.0.14
2	Fore Top Sails,	Hempen-Stream Cable	60	1/8			22.2.0
2	Fore Topmast Stay Sails,	Hawser	80	6	Stream,	1	18.2.0
1	Main Sails,	Towlines	80	8 1/2			7.0.7
2	Main Top Sails,	Warp	80	5	Kedge,	2	3.2.19
		All of <u>Good</u> quality.					2.0.16

Her Standing and Running Rigging Wire & Sluip sufficient in size and Good in quality.

She has One Long Boat and two others

The present state of the Windlass is Good Capstan & Wheel 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 Built under Special Survey  
 2nd. When the Beams are put in, &c. between the 29<sup>th</sup> of October 1863  
 3rd. { When completed, and before the } and the present date.  
       { plank be painted or payed }

*This vessel is fastened with yellow metal to the exclusion of Iron in accordance with the Rules, Section 45 for vessels claiming an additional year for yellow metal fastenings.*

*Geo Gardner*

*Caulking tested during the progress of the work, also examined by boring.*

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 June 1864

I am of opinion this Vessel should be Classed 10 A. 1 See Secretary's Letter of 27<sup>th</sup> April 1864 to Mr Geo Gardner.

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

Order No. 1480 Special .....£ 23 : 11 : "

Certificate .....£ " : " : "

Committee's Minute 22<sup>nd</sup> July 1864

Character assigned A 1 for 10 Years  
*Geo Gardner*

