

No. Survey held at London Date 12th March. 21st June Oct. 17th 1862
 on the Ship "Essex" Master I. S. Atwood
 Old Tonnage New 1042 Built at London When built 1862 Launched 26th July
 By whom built M. Wijam Sons Owners M. Wijam Sons
 Port belonging to London Destined Voyage Australia
 If Surveyed while Building, Afloat, in Dry Dock while building

Rec'd 24.11.62
 Rec'd 25.11.62

	Feet.	Inches.	Extreme Breadth Outside	Feet.	Inches.	Depth of Hold	Feet.	Inches.
	Sided.	IN SHIP. Moulded.	Middle. Ends.	Sided.	Middle. Ends.			
Scantlings of Timber.								
TIMBER AND SPACE	332	8	32 $\frac{1}{2}$	33	1	20	8	
Floors	14	14 $\frac{1}{2}$	13 $\frac{1}{2}$	14 $\frac{1}{2}$	14 $\frac{1}{2}$	12 $\frac{1}{2}$		
1 st Foothooks	13 $\frac{1}{2}$	14 $\frac{1}{2}$	13	12 $\frac{1}{2}$	12 $\frac{1}{2}$			
2 nd Ditto	13	13 $\frac{1}{2}$	12	11 $\frac{1}{2}$	12 $\frac{1}{2}$			
3 rd Ditto	12 $\frac{1}{2}$	13	11	10 $\frac{1}{2}$	10 $\frac{1}{2}$			
Top Timbers	10 $\frac{1}{2}$	11 $\frac{1}{2}$	10 $\frac{1}{2}$	10 $\frac{1}{2}$	10 $\frac{1}{2}$			
Deck 1 N° 39 Average Space { 442 6 ins	Built Iron							
Beams Angle Iron on Top Edge	3 x 2 $\frac{1}{2}$ x 1 $\frac{1}{2}$							
Deck Beams, length amidships	29 ft 6 ins							
Hold 1 N° 38 Average Space { 442 6 ins	Built Iron							
Beams Angle Iron on Top Edge	3 x 2 $\frac{1}{2}$ x 1 $\frac{1}{2}$							
Hold Beams, length amidships	29 ft 6 ins							
Keel	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$			
Scarphs of Ditto	6 feet 6 ins		6 $\frac{1}{2}$ feet					
Keelsons	16 $\frac{1}{2}$	17 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$			
Scarphs of Ditto	7 feet 6 ins		7 $\frac{1}{2}$ feet					

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

Copper	Inches in Ship.	Inches required per Rule	Copper	Inches in Ship.	Inches required per Rule	Copper	Inches in Ship.	Inches required per Rule
Heel-Knee, and Deadwood abaft	15 $\frac{1}{2}$	1 $\frac{1}{2}$	Transoms and throats of Hooks ..	15 $\frac{1}{2}$	1 $\frac{1}{2}$	Hold Beam Bolts in	Waterway ..	
Scarphs of Keel	14	1 $\frac{1}{4}$	Arms of Hooks	1 $\frac{1}{4}$	1 $\frac{1}{4}$	Knees	14 $\frac{1}{2}$	1 $\frac{1}{2}$
Keelson Bolts through Keel at each Floor	15 $\frac{1}{2}$	1 $\frac{1}{2}$	Bolts thro' Bilge & Limber Strakes, or Thickstuff over Double Floors	1	1	Shelf or Clamp	Waterway ..	1
Bolts through Heels of Timbers against Deadwood	1 $\frac{1}{2}$	1 $\frac{1}{2}$	Butt End Bolts	1 $\frac{1}{2}$	1 $\frac{1}{2}$	Knees	16 $\frac{1}{2}$	1 $\frac{1}{2}$
			Pintles of the Rudder	3 $\frac{1}{2}$	3 $\frac{1}{2}$	Shelf or Clamp		

Timbering.—The Space between the Floor Timbers and Lower Foothooks is 6 Inches. The Space between the Top-Timbers is 6 Inches.

The Floors consist of 180 ft of 2 $\frac{1}{2}$ feet run of Eng. 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 4 ft 11 ins N. B. When less than prescribed by the Rule, state how many.

The rest of the Shifts of the Frame are not less

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

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

The Butts of the Timbers are close together; their thickness not less than 3 $\frac{1}{2}$ of the entire moulding at that place.

The Frame is cross chocked with a Butt at each end of the chock. The Main piece of Rudder is Eng. Oak

The Main Keelson is East India Teak and free from all defects. The Main piece of Windlass is Teak

The Stem, and Stern Post, consist of Eng. Oak & Teak The Transoms, Aprons, Knight Heads, and Hawse Timbers of Eng. Oak & Teak Deadwood, of Eng. Oak & Teak and are free from all defects.

The Deck and Hold Beams consist of Built Iron The Breasthooks of Iron The Knees of Angled iron

Planking Outside.—From the Keel to the Height defined in Note to Table A the Plank is American Elm & Pitch Pine

From the above named Height to the Light Water Mark Pitch Pine

From the Light Water Mark to the Wales Eng. Oak

The Wales and Black-strokes are Eng. Oak The Topsides Eng. Oak

The Sheer-strokes and Plank-sheers Eng. Oak The Water-ways Upper Deck Eng. Oak

The Decks Danbyic Deals The Lower Deck Eng. Oak

The Shifts of the Planking are not less than 5 Feet 6 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 three between, and without step-butting.

Planking Inside.—The Limber-strokes and Bilge-strokes are Morra & English Oak

The Ceiling, Lower Hold, and between Decks English Oak & Teak Shelf Pieces and Clamps Eng. Oak

Fastenings.—To Hold Beams

{ See Sketch

Deck Beams

Number of Breasthooks 71 Forecastle Pointers 4 Crutches four

Butts End Bolts are of Yellow Metal in the Bottom, and one Bolt in each Butt End 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 _____ Surveyor's Signature Will. C. Davis

Lloyd's Register Foundation
 646-0230

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

Ref ID: Q5047

She has SAILS.

N^o.
Sufficient
Fore Sails,
Fore Top Sails,
Fore Topmast Stay Sails,
Main Sails,
Main Top Sails,
and
wire

CABLES, &c.

Fathoms. Inches.
Chain 300 1 1/8
Hemp Stream Cable 90 1
Hawser 90 9
Towlines 90 6 1/2
Warp
All of good quality.

ANCHORS, and their weights.

N ^o .	Weight.
Bower, Rotinard	2 32 <i>lb</i> each
Common, Common	41 <i>lb</i>
Stream, Stream	1 12 <i>lb</i>
Kedge, Kedge	1 7 <i>lb</i>
	1 3.1.0

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

She has one Long Boat and three other boats

The present state of the Windlass is patent Capstan 2 good Rudder good Pumps 4 + 2 bilge

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 12th March 1862 { Please see Notes affixed to this Report J. H. Brown 13 10052
2nd. When the Beams are put in, &c. 21st June —
3rd. { When completed, and before the plank be painted or payed } X

The first Lumocks meet at Middle line under the Nelson and are dovelled together at heels

Stringer plates on ends of Bulk Iron Beams of Upper Deck 23 x 11/16 as as
Lower ditto 22 1/2 x 11/16

Tie plates each side of Hatchways Upper deck 11 1/4 x 11/16
ditto 11 1/4 x 11/16

Diagonal tie plates - 6 pairs ditto
Hull's security of Beams shewn in accompanying sketch
she has 17 pairs of diagonal riders inside of ceiling extending from upper deck clamps to lower part of bilges 4 x 1 ins
above and 4 x 2 ins below.

Poop 70 feet long Beams 7 x 6 1/2 ins of Pitch Pine & Ic. Teak Breast beam of Iron. There are 17 wood Beams 9 of which are fastened to the side by Hauling knees at each end. The remaining 8 are bolted down to Clamp only two knees. Poop Clamp 2 Ic. Teak 14 x 4 1/2 ins. Spirkets of Ic. Teak. Sherstrakes (20) Ic. Teak 3 ins Plankshears of Ic. Teak 4 ins and no Waterways. other planking of Pitch pine. Deck Yellow pine 3 ins - Forecastle beams of Iron. Survey of the above date made by Mr Martin & self

Will C. Davy

With the exceptions noted above in the Poop Waterways & the fastening of 8 of the Beams thereof she is eligible as far as surveyed by me to the 21st June to the class contemplated 13. A

Will C. Davy

If the Anchors and Chains are considered sufficient by the Committee I am of opinion she may be classed 13 A

Present condition of Caulking of Bottom, Good Deck, Good and Waterways Good - May want to be replaced

If Sheathed, Doubled, Felted, or Coppered Yellow Metal on Felt When last done now W. H. St. L. C. H.

I am of opinion this Vessel should be Classed

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

Special £ 5 : 5 : 0

Certificate £ - - : -

Committee's Minute 2nd December 1862

Character assigned A 1 for 13 Years W. H. St. L. C. H.

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