

No. try London Survey held at Gt Yarmouth Date May 13<sup>th</sup> 1861 2394  
on the Barque "Harmony" Master John White  
Tonnage Old New 257 27 100 Built at Gt Yarmouth When built 1861 Launched April 24<sup>th</sup>  
By whom built Fellows & Son Owners  
Port belonging to London Destined Voyage Labrador  
If Surveyed while Building, Afloat, or in Dry Dock While building

Length aloft .....	Feet. 102	Inches. 2 1/10	Extreme Breadth Outside .....				Feet. 25	Inches. 6	Depth of Hold .....				Feet. 15	Inches. 7/10	
Scantlings of Timber.		IN SHIP. Moulded.		REQUIRE PER RULE.		Thickness of Plank.									
TIMBER AND SPACE .....		Sided.	Middle.	Ends.	Sided.	Middle.	Ends.	Outside.		INCHES. 300 2/3		Inside.		INCHES. 300 2/3	
								In Ship.	Required per Rule.			In Ship.	Required per Rule.		
Floors .....	10 1/4 to 11	12	9 1/2	10 1/4	10 1/4	8 3/4		4	3 1/4	Limber Strakes ....		3 1/2	3 1/2		
1 <sup>st</sup> Foothooks .....	9 1/4 to 12	9 1/2	-	8 3/4	-	-	-	3 1/4	3 1/4	Bilge Planks 4. 8.		3 1/2	3 1/2		
2 <sup>nd</sup> Ditto .....	8 3/4 to 9	9	-	8	-	-	-	5 3/4 to 4	3 1/4	Ceiling in Flat ....		2 3/4	2 3/4		
3 <sup>rd</sup> Ditto .....	8	8 1/4	-	7 1/4	-	-	-	3 1/4	"	Ditto Bilge to Clamp		2 3/4	2 3/4		
Top Timbers .....	8	-	6	7 1/4	-	5 3/4	-	4 to 6	4 1/2	Hold Beam Clamps..		3 1/2	3 1/2	250 Lbs	
Deck } N <sup>o</sup> 22	Average Space } 4 feet	9	9 1/4	7 1/4	8 1/2	8 1/2	7	3 1/2	3 1/2	Deck Beam Ditto ..		3 1/4	2 3/4		
Beams }		23	6						3 1/2	"	Ceiling 'twixt Decks		2 1/4	2 1/4	
Deck Beams, length amidships ....		23	6					3 1/4	3 1/4	Hold Beam Shelves ..					
Hold } N <sup>o</sup> 13	Average Space } 8 + 4 feet	12	12	10 1/4	11 1/4	11 1/4	9 1/2	11 x 5 1/2	8 1/2 x 7	Deck Beam Ditto ..		11 x 6 1/2	8 1/2 x 7		
Beams }		23 ft 7 in													
Hold Beams, length amidships .....		23	7 in					Water-Upper Deck							
Keel .....		12	15	15	11 3/4	11 3/4	11 3/4	Ways } Lower Deck	11 x 6 x 4						
Scarphs of Ditto .....		6 ft	2		5 ft	2		Ditto, faying surface	5 1/2	6 1/2					
Keelsons .....		14 1/2	16	14 x 16	12 3/4	12 3/4	12 3/4	against Timbers ..							
Scarphs of Ditto .....		6 feet			5 ft	10		Upper Deck .....	3 1/4	3					
Size of Bolts in Fastenings, distinguishing whether Copper or Iron; also of Treenails.															
Copper 2 1/2 in															

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

	Copper <del>Iron</del> Inches in Ship.	<i>2 2/3</i> Inches required per Rule		Copper <del>Iron</del> Inches in Ship.	<i>2 2/3</i> Inches required per Rule		<i>2 2/3</i> Inches in Ship.	required per Rule
Heel-Knee, and Deadwood abaft	$1\frac{1}{4}$	$1\frac{1}{2}$	Transoms and throats of Hooks ..	$1$	$1$	Hold Beam Bolts in	Waterway ..	$7/8$ <i>14/16</i>
Scarphs of Keel.....N <sup>o</sup> . <i>10</i>	$7/8$	$7/8$	Arms of Hooks .....	$7/8$	$7/8$		Knees .....	$1\frac{1}{2} \times 7/8$ " <i>x 10/16</i>
Keelson Bolts through Keel at each Floor .....	$1/16$	$1$	Bolts thro' Bilge & Limber Strakes, or Thickstuff over Double Floors	$3/4$	$3/4$	Deck Beam Bolts in	Waterway ..	$13/16$ <i>13/16</i>
							Knees .....	$14/16$ <i>14/16</i>
Bolts through Heels of Timbers against Deadwood .....	$3/4$		Butt End Bolts .....	$11/16$	$11/16$		Shelf or Clamp	$13/16$ <i>13/16</i>
							Pintles of the Rudder .....	$2\frac{1}{2}$ <i>2 1/2</i>
						Treenails . <i>1 1/4</i> . Inches	<i>English Oak</i>	

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

The Floors consist of Eng: Oak The First Foothooks of Eng: Oak  
The Second Foothooks of Eng: Oak The Third Foothooks and Top Timbers of Eng: Oak  
The Shifts of the First and Second Foothooks are not less than 3 ft 7 in. N. B. When less than prescribed by the Rule, state how many.  
The rest of the Shifts of the Frame are the same

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

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 1/3 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 English Oak

The Main Keelson is Greenheart & Eng: Oak and — free from all defects. The Main piece of Windlass is Iron

The Stem, and Stern Post, consist of English Oak The Transoms, Aprons, Knight Heads, and

Hawse Timbers of English Oak & Teak Deadwood, of English Oak and are — free from all defects.

The Deck and Hold Beams consist of English Oak The Breasthooks of Eng: Oak & Iron The Knees of Iron

**Planking Outside.**—From the Keel to the Height defined in Note to Table A } the Plank is American & English Elm  
or to the First Foothook Heads }

From the above named Height to the Light Water Mark English Oak & Teak

From the Light Water Mark to the Wales English Oak & Teak

The Wales and Black-strakes are English Oak & Teak The Topsides Eng: Oak

The Sheer-strakes and Plank-sheers English Oak The Water-ways { Upper Deck Eng: Oak

The Decks Main is Rantzie and Quarter deck Yellow Pine State of good Lower Deck do & Teak

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

**Planking Inside.**—The Limber-strakes and Bilge-strakes are English Oak

The Ceiling, Lower Hold, and between Decks English Oak Shelf Pieces and Clamps Eng: Oak & Greenheart

**Fastenings.**—To Hold Beams Waterway, Iron lodging knees and seven pairs

of Iron hanging knees.

Deck Beams Waterway and shily, lodging knees in mast rooms and hanging

knees to every beam arm

Number of Breasthooks five Pointers 1 Pair of Iron Crutches one

Butts End Bolts are of Y. Metal in the Bottom, and one Bolt in each Butt End through and clenched.

Bilge and Limber Strakes are 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 Henry Fellows & Son Surveyor's Signature Thos. W. Warren



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

23945 Don

She has SAILS.		CABLES, &c.		ANCHORS, and their weights.	
N <sup>o</sup> .			Fathoms. Inches.	N <sup>o</sup> .	Weight.
2	Fore Sails,	Chain .....	200 1 1/4	Bower, .....	8 17. 2. 0
2	Fore Top Sails,	Hempen Stream Cable .....	70		16. 2. 0
2	Fore Topmast Stay Sails,	Hawser .... <u>chain</u> .....	60 3/4	Stream, .....	1 5. 3. 0
1	Main Sails,	Towlines .....	90 6		
2	Main Top Sails,	Warp .....	90 4 1/2	Kedge, .....	2 3. 0. 0
and a single suit of others		All of <u>best</u> quality.	90 3		

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

She has one Long Boat and two other boats

The present state of the Windlass is Patent Capstan double winch Rudder good Pumps 2 of Iron

### 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	<u>27<sup>th</sup> July 1860</u>
2nd. When the Beams are put in, &c.	<u>15<sup>th</sup> Oct 1860</u>
3rd. { When completed, and before the plank be painted or payed }	<u>9<sup>th</sup> March 1861</u>

*This vessel has a raised quarter deck nineteen inches high she is likewise doubled eleven strakes below the wales with 2 1/2 inch English Oak over Felt and is fastened with Yellow metal or copper (excepting the nails of the flat of upper decks to the entire exclusion of Iron as per Rule Section 46*

*Thos. McWann*

*H Fellows & Son*

Present condition of Caulking of Bottom, — Deck, — and Waterways good where tested

If ~~Sheathed~~, Doubled, Felted, or Coppered Males to bilges When last done now

I am of opinion this Vessel should be Classed —

The Amount of the Fee.....£ 3 : — : — is received by me,

*Expresses (M.S.)* Special .....£ 4 : 4 : — } 28/5/61

Certificate .....£ — : — : —

Committee's Minute 24<sup>th</sup> May 1861

Character assigned A 1 for 13 Years



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