

No. Survey held at London Date May 19<sup>th</sup> to August 29<sup>th</sup> 1859  
 on the Ship "Hanover" Master H. Rich  
 Old Tonnage New 1045<sup>53</sup><sub>100</sub> Built at Shields When built 1833 Launched 1833  
 By whom built G. Marshall to be 1045 Tons per Register of London Owners G. Marshall 29/7/59  
 Port belonging to London Destined Voyage Crossed "13 D  
 Surveyed while Building, Afloat or in Dry Dock Rep'g Young's Day Dock

Length aloft	Feet.	Inches.	Extreme Breadth Outside	Feet.	Inches.	Depth of Hold	Feet.	Inches.
	Sided.	IN SHIP. Moulded.	REQUIRED PER RULE.	Sided.	Middle.	Thickness of Plank.		INCHES.
<b>Scantlings of Timber.</b>						<b>Outside.</b>		
TIMBER AND SPACE	33 in. mid.	30 all the ends		14 <sup>1</sup> / <sub>2</sub>	13	Garboard Strakes	11	1 <sup>1</sup> / <sub>2</sub>
Floors	14 <sup>1</sup> / <sub>2</sub> to 16	14 <sup>1</sup> / <sub>2</sub> 13	14 <sup>1</sup> / <sub>2</sub> 12 <sup>3</sup> / <sub>4</sub>	12 <sup>3</sup> / <sub>4</sub>		Garboard to Bilge	11 <sup>1</sup> / <sub>2</sub> 4 <sup>3</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>2</sub>
1 <sup>st</sup> Foothooks	12 <sup>1</sup> / <sub>2</sub> to 14			11 <sup>1</sup> / <sub>2</sub>		Bilge Planks	5	1 <sup>1</sup> / <sub>2</sub>
2 <sup>nd</sup> Ditto	11 <sup>1</sup> / <sub>2</sub> 6 <sup>1</sup> / <sub>2</sub> 11 <sup>3</sup> / <sub>4</sub>			10 <sup>1</sup> / <sub>2</sub>		Bilge to Wales	5	1 <sup>1</sup> / <sub>2</sub>
3 <sup>rd</sup> Ditto	10 <sup>1</sup> / <sub>2</sub> to 12			10 <sup>1</sup> / <sub>2</sub>		Wales	5 <sup>1</sup> / <sub>2</sub> 5 <sup>3</sup> / <sub>4</sub>	
Top Timbers	9 <sup>1</sup> / <sub>2</sub> to 12 <sup>1</sup> / <sub>2</sub>	—	6	10 <sup>1</sup> / <sub>2</sub> — 6		Topsides	14	3 <sup>1</sup> / <sub>2</sub>
Deck Beams	N <sup>o</sup> 35 Average Space	4 <sup>1</sup> / <sub>2</sub> 6 <sup>1</sup> / <sub>2</sub> 7 <sup>1</sup> / <sub>2</sub> 10 <sup>1</sup> / <sub>2</sub> 8 <sup>1</sup> / <sub>2</sub>				Sheer Strakes	14	4 <sup>1</sup> / <sub>2</sub>
Deck Beams, length amidships						Plank Sheers	4 <sup>1</sup> / <sub>2</sub> 4	
Hold Beams	N <sup>o</sup> 32 Average Space	4 <sup>1</sup> / <sub>2</sub> 6 <sup>1</sup> / <sub>2</sub> 4 <sup>1</sup> / <sub>2</sub> 7 <sup>1</sup> / <sub>2</sub> 14 14 11 <sup>1</sup> / <sub>2</sub>				Water-ways	Upper Deck 14 <sup>1</sup> / <sub>2</sub> 8	
Hold Beams, length amidships						Ways	Lower Deck 14 <sup>1</sup> / <sub>2</sub> 8	
Keel	1 <sup>1</sup> / <sub>2 6<sup>1</sup>/<sub>2</sub></sub>	17 <sup>1</sup> / <sub>2</sub>		15 <sup>1</sup> / <sub>2</sub> 15 <sup>1</sup> / <sub>2</sub>		Ditto, faying surface against Timbers		
Scarphs of Ditto	6 <sup>1</sup> / <sub>2</sub>			15 <sup>1</sup> / <sub>2</sub> 16 <sup>1</sup> / <sub>2</sub>		Upper Deck	14	
Keelsons	17 <sup>1</sup> / <sub>2</sub> 20 <sup>1</sup> / <sub>2</sub>	7 <sup>1</sup> / <sub>2</sub>						
Scarphs of Ditto	8 <sup>1</sup> / <sub>2</sub>							

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

Copper Inches in Ship.	Inches required per Rule.	Transoms and throats of Hooks	Copper Inches in Ship.	Inches required per Rule.	Hold Beam Bolts in	Waterway ..	Copper Inches in Ship.	Inches required per Rule.
Heel-Knee, and Deadwood abaft Scarphs of Keel.....N <sup>o</sup> . 8	1 <sup>3</sup> / <sub>8 1<sup>3</sup>/<sub>8</sub></sub>	Arms of Hooks .....	1 <sup>3</sup> / <sub>8</sub> 1 <sup>3</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>8</sub> 1 <sup>3</sup> / <sub>8</sub>	Knees .....	1 <sup>1</sup> / <sub>2</sub> 1 <sup>1</sup> / <sub>2</sub>	1 <sup>3</sup> / <sub>8</sub> 1 <sup>3</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>8</sub> 1 <sup>3</sup> / <sub>8</sub>
Keelson Bolts through Keel at each Floor .....	1 <sup>3</sup> / <sub>8</sub> 1 <sup>1</sup> / <sub>2</sub>	Bolts thro' Bilge & Limber Strakes, or Thickstuff over Double Floors	1	1 <sup>3</sup> / <sub>8</sub> 1 <sup>3</sup> / <sub>8</sub>	Shelf or Clamp	1 <sup>1</sup> / <sub>2</sub>	1 <sup>3</sup> / <sub>8</sub> 1 <sup>3</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>8</sub> 1 <sup>3</sup> / <sub>8</sub>
Bolts through Heels of Timbers against Deadwood .....	not seen	Butt End Bolts .....	4 <sup>1</sup> / <sub>2</sub> 1 <sup>3</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>8</sub> 1 <sup>3</sup> / <sub>8</sub>	Waterway ..	1 <sup>1</sup> / <sub>2</sub>	1 <sup>3</sup> / <sub>8</sub> 1 <sup>3</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>8</sub> 1 <sup>3</sup> / <sub>8</sub>
		Pintles of the Rudder .....	4 <sup>1</sup> / <sub>2</sub>		Knees .....	1 <sup>1</sup> / <sub>2</sub>		
					Shelf or Clamp	1 <sup>1</sup> / <sub>2</sub>		
					Nails or Bolts in Flat of Deck .....			
					Treenails .....	1 <sup>1</sup> / <sub>2</sub> 1 <sup>3</sup> / <sub>8</sub>		

**Timbering.**—The Space between the Floor Timbers and Lower Foothooks is 2 Inches. The Space between the Top-Timbers is 3<sup>1</sup>/<sub>2</sub> 6<sup>1</sup>/<sub>2</sub> Inches.

The Floors consist of English Oak, Teak & Iron Bark. The First Foothooks of English Oak.  
 The Second Foothooks of English Oak. The Third Foothooks and Top Timbers of English Oak & Teak.  
 The Shifts of the First and Second Foothooks are not less than 4<sup>1</sup>/<sub>2</sub> 11. 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 well free from sap, and from thence downwards, the frame is well squared.

The alternate Frames are 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<sup>1</sup>/<sub>2</sub> 1<sup>1</sup>/<sub>2</sub> of the entire moulding at that place.

The Frame is chocked with a Butt at each end of the chock. The Main piece of Rudder is Teak - 18 Head.

The Main Keelson is Teak & Iron Bark and free from all defects. The Main piece of Windlass is Good.

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

Hawse Timbers of Teak & Eng<sup>1</sup> Oak. Deadwood, of English Oak and are free from all defects.

The Deck and Hold Beams consist of Teak & I. Bark. 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 or to the First Foothook Heads.

From the above named Height to the Light Water Mark Pitch Pine & Teak & Some White Ash.

From the Light Water Mark to the Wales Teak & Iron Bark.

The Wales and Black-strokes are Teak.

The Topsides Teak.

The Sheer-strokes and Plank-shears Teak.

The Water-ways { Upper Deck Teak  
Lower Deck Teak

The Decks Dantzig Pine State of Good.

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 Teak & South American Hard Wood.

The Ceiling, Lower Hold, and between Decks Teak & S. A. H. W. Shelf Pieces and Clamps Teak.

**Fastenings.**—To Hold Beams shelf Waterway, double lug plates on each side securing them to the shelf & Waterway, and knees or knee Riders to the beam ends.

Deck Beams shelf Waterway, double lug plates on each side and knifed knees.

Number of Breasthooks 6 of Iron Pointers one pair Crutches two of Iron.

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

Bilge and Limber Strakes are knifed bolted through and clenched. Treenails of Black Butt & Lined How Made Turned.

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

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

Builder's Signature

Surveyor's Signature



London - 0519

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

22651 Son

She has SAILS.

CABLES, &c.

ANCHORS, and their weights.

N <sup>o</sup> .		Fathoms.	Inches.	N <sup>o</sup> .	Weight.
Two Sails and	Fore Sails,	Chain .....	100 ft	Bower, .....	3 37 Cwt
	Fore Top Sails,	Hempen Stream Cable .....	90 9	Stream, .....	1 12 "
	Fore Topmast Stay Sails,	Hawser .....	90 6 1/2		
	Main Sails,	Towlines .....	90 5 1/2	Kedge, .....	1 3 "
	Main Top Sails,	Warp .....			1 6 "
	All of <u>good</u> quality.				

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

She has one Long Boat and four 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. \_\_\_\_\_  
3rd. { When completed, and before the plank be painted or payed }

Now done, the whole of the Keel excepting a short fore piece, the lower part of the Main Stern Post, the false Stern Post, Rudder, and several planks of bottom, renewed, on account of damage - For particulars see Special Report -

She has now been lengthened about 27 feet in midships, in the progress of which the principle of her original Construction has been adhered to: two pairs of additional tie, or arch plates,  $6 \times 3 \frac{1}{2}$  and one longitudinal plate connecting the original arch plates have been introduced and thoroughly bolted, nearly the whole of the turnails, which are exceedingly good, are driven thro', and the whole of the work has been thoroughly fastened; with but slight exception all the inside material and the outside, extending from the light water mark up, are of Teak.

The workmanship generally has been well executed under the personal inspection of the Owner, who has spared no expense to carry out his plans satisfactorily, in which we are of opinion he has succeeded -

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

If Sheathed, Doubled, Felted, or Coppered Yellow Metal When last done now  
we are continue

Term of opinion this Vessel should be Classed 13A 1

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

Special ..... £ 7 : 7 : - 11/10/57

Certificate .... £ : 5 : -

B. W. Plymouth

I. H. Hutchins

Committee's Minute 23 September 1857

Character assigned 13A 1

record lengthened