

No. 809 Survey held at Spanera Date 14 to 20 June 1856  
on the Barque "Laughing Water" Master J B Grant  
Tonnage Old Built at Colchester When built 1855 Launched Feb 16  
By whom built Gr Howell Owners John Mann  
Port belonging to Colchester Destined Voyage Hongkong  
If Surveyed while Building, Afloat, or in Dry Dock In Dry Dock

Length aloft	Feet.		Inches.		Extreme Breadth Outside		Feet.		Inches.		Depth of Hold		Feet.		Inches.	
	17	2	32	8	14	12	33	7	10	7	17	7	17	7	10	7
<b>Scantlings of Timber.</b>																
<b>Timber and Space</b>																
Floors	14	13	14	14	14	12	14	14	14	14	14	14	14	14	14	14
1st Foothooks	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2nd Ditto	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
3rd Ditto	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Top Timbers	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Deck Beams	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Deck Beams, length amidships	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Hold Beams	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Hold Beams, length amidships	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Keel	15	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Scarp of Ditto	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Keelsons	15	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Scarp of Ditto	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

<b>Size of Bolts in Fastenings, distinguishing whether Copper or Iron; also of Treenails.</b>																
<b>Transoms and throats of Hooks</b>																
<b>Arms of Hooks</b>																
<b>Bolts thro' Bilge &amp; Limber Strakes, or Thickstuff over Double Floors</b>																
<b>Butt End Bolts</b>																
<b>Pintles of the Rudder</b>																
<b>Waterway</b>																
<b>Hold Beam Bolts in</b>																
<b>Knees</b>																
<b>Shelf or Clamp</b>																
<b>Waterway</b>																
<b>Deck Beam Bolts in</b>																
<b>Knees</b>																
<b>Shelf or Clamp</b>																
<b>Nails or Bolts in Flat of Deck</b>																
<b>Treenails</b>																

**Timbering.**—The Space between the Floor Timbers and Lower Foothooks is 4 Inches. The Space between the Top Timbers is 4 Inches.

The Floors consist of Engl Oak & Elm The First Foothooks of Engl Oak & Elm Timber.

The Second Foothooks of Engl Oak The Third Foothooks and Top Timbers of Engl Oak

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

The rest of the Shifts of the Frame are                     

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

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                      of the entire moulding at that place.

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

The Main Keelson is Engl Oak and is free from all defects. The Main piece of Windlass is Engl Oak

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

Hawse Timbers of there are none Deadwood, of Engl Oak & Elm and are                      free from all defects.

The Deck and Hold Beams consist of Engl Oak & Red Pine The Breasthooks of none The Knees of Engl Oak

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

From the above named Height to the Light Water Mark Engl Oak

From the Light Water Mark to the Wales Engl Oak

The Wales and Black-strakes are Engl Oak The Topsides Engl Oak

The Sheer-strakes and Plank-sheers Engl Oak The Water-ways { Upper Deck Engl Oak  
Lower Deck                     

The Decks Yellow Pine State of good

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 generally between, and without step-buttling.

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

The Ceiling, Lower Hold, and between Decks Engl Oak Shelf Pieces and Clamps Engl Oak

**Fastenings.**—To Hold Beams one iron hanging knee to each beam end & the beams bolted to shelf pieces & 4 staple standards from decks.

Deck Beams a single wood knee to each beam end & 13 pairs iron hanging knees 4 of which are fitted as staple standards to hold beams & 4 or 5 alternate beams are oak chocks bolted to the side & iron bolts thro' the beam end & chock secured up with a nut.

Number of Breasthooks none Pointers none Crutches none

Butts End Bolts are of iron in the Bottom, and a Bolt in each Butt End through and clenched.

Bilge and Limber Strakes are bolted through and clenched. Treenails of Engl Oak How Made planned

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. E. Towell Surveyor's Signature M. J. Brown

Lloyd's Register Foundation



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> .				Fathoms.	Inches.	N <sup>o</sup> .	Weight.
2	Fore Sails,	Chain .....	260	1 1/4	Bower, .....	1	18.2.0
4	Fore Top Sails,	Hempen Stream Cable .....	70	8 1/2			18.0.0
1	Fore <del>Topmast</del> Stay Sails,	Hawser .....	60	5 1/2	Stream, .....	1	14.8.0
1	Main Sails,	Towlines .....	180	5			11.0.0
4	Main Top Sails,	Warp .....	60	4	Kedge, .....	1	2.2.0
and <u>all other necessary sails.</u>			All of <u>good</u> quality.				

Her Standing and Running Rigging (Not rigging) is sufficient in size and good in quality.

She has One Long Boat and a Skiff & Solly Boat,  
The present state of the Windlass is good <sup>2 inches</sup> 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 } \_\_\_\_\_

In accordance with instructions received from the Secretary I have surveyed this vessel in Dock with listings, cut out as marked by Mr Maymouth & beg to hand particulars as far as I could obtain them.

She is constructed on an entirely new principle, her lines both longitudinally & transversely being segments of circles, a drawing of which I have procured from the Builder & beg to forward.

The depth of deadwood forward from garboard to under part of false keel is 4 ft & aft 15 1/2 ft. it is stated to be bolted according to drawing. a false keel 11 in deep has now been put under her, making the total depth of keel at the shallowest point in midships 20 inches below garboard strake.

The vessel being sheathed with zinc to top of masts previous to coming here, has prevented any examination of the outside planking & the particulars are as given me by the Builder, the work inside & everywhere, where seen appears well executed & she is stated to be of great strength, carrying capacity & speed.

8 Hold beams red pine, 16 pairs hanging knees to upper deck, 4 pairs of which are staple standards, 8 pairs hanging knees to hold beams, a pair of knees to stern Post & a strap across stern have now been fitted in accordance with Mr Maymouths instructions. The vessel Caulked from keel upwards including the Decks.

Present condition of Caulking of Bottom, sheath zinc Deck, new and Waterways new

If Sheathed, Doubled, Felted, or Coppered Zinc on belt When last done before launching

I am of opinion this Vessel should be Classed A 1

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

Special .....£ 2: 2:-

Certificate .....£ : 5:-

Committee's Minute 24<sup>th</sup> June 1856

Character assigned A 1 for 4 Years

Mr Johnson



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