

No. 472 Survey held at Sunderland Date 7<sup>th</sup> January 1852  
on the Ship Nova the Colinda Master W<sup>m</sup> Hay  
Tonnage Old 463 Built at Sunderland When built 1852  
By whom built Andrew Deithard Owners W<sup>m</sup> Hay  
Port belonging to \_\_\_\_\_ Destined Voyage \_\_\_\_\_

Surveyed while Building, Afloat, or in Dry Dock During Building

Length aloft ..... 123 Feet. 0 Inches. Extreme Breadth ..... 28 Feet. 6 Inches. Depth of Hold ..... 19 Feet. 6 Inches.

**Scantlings of Timber.**

Room and Space	Inches.	Inches.	Inches.
Floors.....sided	<u>13</u>	Moulded	<u>13</u>
1 <sup>st</sup> Foothooks.....	<u>11</u>	"	<u>11</u>
2 <sup>nd</sup> Ditto.....	<u>10</u>	"	<u>10</u>
3 <sup>rd</sup> Ditto.....	<u>9</u>	"	<u>7 1/2</u> <u>5</u>
Top Timbers.....	<u>9</u>	"	<u>7 1/2</u> <u>5</u>
Deck Beams N <sup>o</sup> <u>23</u> Average Space } <u>4ft 9</u>	<u>10</u>	"	<u>9</u> <u>7</u>
Hold Beams N <sup>o</sup> <u>20</u> Average Space } <u>4ft 6</u>	<u>13</u>	"	<u>13</u> <u>10</u>
Keel.....	<u>13</u>	"	<u>15</u>
Keelsons.....	<u>14 1/2</u>	"	<u>15</u>
Scarp of Ditto.....	<u>7ft</u>		

**Thickness of Plank.**

Outside.	Inches.	Inside.	Inches.
Keel to Bilge.....	<u>3 1/2</u>	Limber Strakes.....	<u>4</u>
Bilge Planks.....	<u>4 1/2</u>	Bilge Planks.....	<u>5</u>
Bilge to Wales.....	<u>4</u>	Ceiling in Flat.....	<u>3</u>
Wales.....	<u>5</u>	Ditto Bilge to Clamp.....	<u>3</u>
Short Hoods.....	<u>4</u>	Hold Beam Clamps.....	<u>4</u>
Topsides.....	<u>3</u>	Deck Beam Ditto.....	<u>3 1/2</u>
Sheer Strakes.....	<u>4</u>	Ceiling 'twixt Decks.....	<u>2 1/2</u>
Plank Sheers.....	<u>4</u>	Hold Beam Shelves.....	<u>1</u>
Water-Ways.....	<u>14</u>	Deck Beam Ditto.....	<u>1</u>
Upper Deck.....	<u>3 1/2</u>		

**Size of Bolts in Fastenings, distinguishing whether Copper or Iron.**

Copper Inches.	Iron Inches.	Copper Inches.	Iron Inches.	Copper Inches.	Iron Inches.
Heel-Knee, and Deadwood abaft <u>1 1/8</u>		Transoms and throats of Hooks... <u>1 1/8</u>		Lower Pintle of the Rudder.... <u>3 1/8</u>	
Scarp of Keel.....N <sup>o</sup> . <u>8</u> <u>7/8</u>		Arms of Hooks..... <u>7/8</u>		Hold Beam..... <u>1 1/8</u>	
Floor Timber Bolts..... <u>1 1/8</u>		Bolts thro' Bilge & Limber Strakes <u>1 1/8</u>		Deck Beam..... <u>7/8</u>	
Kelson ditto..... <u>1 1/8</u>		Butt End Bolts..... <u>3/4</u>			

**Timbering.**—The Space between the Floor Timbers and Lower Foothooks in this Vessel is 3 Inches. The Space between the Top-timbers is 5 1/2 Inches. The Stem, Stern Post, consist of Teak & English Oak the Transoms, Aprons, Knight Heads, Hawse Timbers, and Deadwood, of English Oak and are free from all defects. The Floors consist of English Oak The First Foothooks of English Oak Timber. The Second Foothooks of English Oak The Third Foothooks of English Oak The Top Timbers of English Oak The Shifts of the first and second Foothooks are not less than 4ft 6 in N. B. When less than prescribed by the Rule, state how many. The rest of the Shifts of the Frame are 5ft 6 feet 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 & round The alternate Frames are \_\_\_\_\_ bolted together to the Gunwale. N. B. If not, state how bolted. The Butts of the Timbers are all close together; their thickness not less than 1/3 of the entire moulding at that place. The Frame is all chocked with 4 Butt at each end of the chock. The Main Keelson is E. I. Teak and free from all defects. The False Keelson is \_\_\_\_\_ The Deck Beams consist of English Oak & Teak The Hold Beams of English Oak & Teak The Knees of Iron

**Planking Outside.**—From the Keel to the Height defined in Note to Table 2, the Plank is American Elm From the above named Height to the Light Water Mark Foreign White Oak & Teak From the Light Water Mark to the Wales English Oak & Teak The Wales and Black-strakes are Teak & English Oak The Topsides Teak The Sheer-strakes Teak & English Oak and Plank-sheers E. I. Teak The Water-ways E. I. Teak The Decks Good 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 Three Strakes between

**Planking Inside.**—The Limber-strakes are E. I. Teak the Bilge Planks Teak & English Oak The Ceiling, Lower Hold, Teak & English Oak Between Decks E. I. Teak Shelf Pieces \_\_\_\_\_ Clamps Teak & English Oak

**Fastenings.**—To Hold Beams Horizontal Staple Knees & 18 Pair of Vertical do

Deck Beams Horizontal Staple Knees & 18 Pair of Vertical and Staple Standard Knees  
Number of Breasthooks seven Pointers two Crutches two  
Butts End Bolts are of yellow metal in the Bottom, and 4 Bolt in each Butt End through and clenched.  
Bilge and Limber Strakes 4 in & 6 in bolted through and clenched. Treenails of English Oak How Made curved  
General Quality of Workmanship good

We certify that the preceding is a correct description of the above-named Vessel,

Builder's Signature \_\_\_\_\_ Surveyor's Signature \_\_\_\_\_



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>.

Fore Sails,  
Fore Top Sails,  
Fore Topmast Stay Sails,  
Main Sails,  
Main Top Sails,

Chain .....  
Hempen Stream Cable .....  
Hawser .....  
Towlines .....  
Warp .....  
All of \_\_\_\_\_ quality.

Fathoms. Inches.

Bower, .....  
Stream, .....  
Kedge, .....

N<sup>o</sup>. Weight.

and

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

She has at full suit of Long Boat and Yawl & Quarter boat

The present state of the Windlass is new Capstan new Rudder new Pumps new

### General Remarks—Statement and Date of Repairs.

This Vessel was intended for the 13 year grade, But in consequence of the deviation from the prescribed Rules, I beg to leave it to the Committee to determine the Class -

In the first place there are several Iron bolts in the Transom Knees & Pointers and also in the Vertical Knees under the Poop Beams where Copper or Mixed Metal is required -

2<sup>nd</sup>ly The bolts in Horizontal Knees of the Hold Beams are some an eighth and some a sixteenth less diameter than the Rules require, and the bolts in the Keel Knee abaft are one eighth less -

Rob<sup>t</sup> Fowler -

I was on board this ship with Mr W<sup>m</sup> Hay on Wednesday the 24<sup>th</sup> inst and pointed out to him at his request the deviations from the Rules - and he then expressed his intention of doing every thing that would be required to obtain the desired Class - Please therefore to give me instructions if I can proceed any further in this matter -

R Fowler

If Sheathed, Doubled, Felted, or Coppered yellow metal to boiler When last done 1852

I am of opinion this Vessel should be Classed \_\_\_\_\_

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

Special .....£ 23: 3 : -

Certificate (if required) .....£ : :

Committee's Minute

16<sup>th</sup> April 1852

Character assigned

for 13 Year



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