

Survey held at Hda & Outton (Foreign Name) Date, first Survey 21 August 1876 Last Survey 23 October 1876  
Master H. Brooks  
Built at U States When built 1876 Launched 1876  
By whom built O. S. Roe Owners Wm. Croft  
Part belonging to London Destined Voyage India  
If Surveyed while Building, Afloat, or in Dry Dock Afloat

|   |                  |               |                         |                    |                  |  |                 |                  |                 |          |
|---|------------------|---------------|-------------------------|--------------------|------------------|--|-----------------|------------------|-----------------|----------|
| Length as per section 39.....                       | Feet. <u>118</u> | Inches.       | Extreme Breadth Outside | Feet. <u>3 1/2</u> | Inches. <u>8</u> | Depth of Hold  | Feet. <u>15</u> | Inches. <u>7</u> | Number of Decks | <u>2</u> |
| Length of Keel .....                                | <u>105</u>       |               | IN SHIP. Moulded.       |                    |                  | (Depth from limber-strakes to under side of lower deck beam <u>9' 2"</u> ) |                 |                  |                 |          |
| <b>Scantlings of Timber.</b>                        |                  |               |                         |                    |                  |  |                 |                  |                 |          |
| <b>Outside Plank.</b>                               |                  |               |                         |                    |                  |  |                 |                  |                 |          |
| TIMBER AND SPACE .....                              |                  |               | Middle.                 | Ends.              |                  |  |                 |                  |                 |          |
| Floors .....  | <u>15 1/2</u>    | <u>15 1/2</u> | <u>14</u>               |                    | <u>14 3/4</u>    |  |                 |                  |                 |          |
| 1st Foothooks .....                                 | <u>14 1/2</u>    | <u>13 3/4</u> | <u>13</u>               |                    | <u>13 1/2</u>    |  |                 |                  |                 |          |
| 2nd Ditto .....                                     | <u>14</u>        | <u>12 1/2</u> | <u>12</u>               |                    | <u>12 1/2</u>    |  |                 |                  |                 |          |
| 3rd Ditto .....                                     | <u>12</u>        | <u>11 1/2</u> | <u>11</u>               |                    | <u>11 1/2</u>    |  |                 |                  |                 |          |
| Top Timbers .....                                   | <u>12</u>        | <u>10 1/2</u> | <u>9 1/2</u>            |                    | <u>10 1/4</u>    |  |                 |                  |                 |          |
| Deck } N° <u>2 1/2</u> Average Space } <u>4' 9"</u> |                  |               |                         |                    |                  |  |                 |                  |                 |          |
| Beams } <u>2' 1/2"</u>                              | <u>13</u>        | <u>14 1/2</u> | <u>12</u>               |                    |                  |  |                 |                  |                 |          |
| Deck Beams, length amidships .....                  | <u>34</u>        | <u>14 1/2</u> | <u>12</u>               | <u>10</u>          | <u>10</u>        | <u>8 1/2</u>   |                 |                  |                 |          |
| Hold } N° <u>25</u> Average Space } <u>9' 6"</u>    |                  |               |                         |                    |                  |  |                 |                  |                 |          |
| Beams } <u>3' 9"</u>                                | <u>14</u>        | <u>15</u>     | <u>13</u>               | <u>14</u>          | <u>14</u>        | <u>11 3/4</u>  |                 |                  |                 |          |
| Hold Beams, length amidships .....                  | <u>33 3/4</u>    | <u>15</u>     | <u>13</u>               | <u>14</u>          | <u>11 3/4</u>    | <u>11 3/4</u>  |                 |                  |                 |          |
| Keel .....  | <u>15</u>        | <u>24</u>     |                         | <u>13 3/4</u>      |                  |  |                 |                  |                 |          |
| Scarphs of Ditto .....                              | <u>8</u>         |               |                         | <u>6 3/4</u>       |                  |  |                 |                  |                 |          |
| Keelsons .....                                      | <u>16 1/2</u>    | <u>48</u>     |                         | <u>16 3/4</u>      |                  |  |                 |                  |                 |          |
| Scarphs of Ditto .....                              | <u>8</u>         |               |                         | <u>7 3/4</u>       |                  |  |                 |                  |                 |          |
| <b>Inside Plank.</b>                                |                  |               |                         |                    |                  |  |                 |                  |                 |          |
|   |                  |               |                         |                    |                  |  |                 |                  |                 |          |
| Limber Strakes .....                                | <u>12</u>        |               |                         |                    |                  |  |                 |                  |                 |          |
| Bilge Planks .....                                  | <u>14</u>        |               |                         |                    |                  |  |                 |                  |                 |          |
| Ceiling in Flat .....                               | <u>6</u>         |               |                         |                    |                  |  |                 |                  |                 |          |
| Ditto Bilge to Clamp .....                          | <u>6</u>         |               |                         |                    |                  |  |                 |                  |                 |          |
| Hold Beam Clamps .....                              | <u>6</u>         |               |                         |                    |                  |  |                 |                  |                 |          |
| Deck Beam Ditto .....                               | <u>14</u>        |               |                         |                    |                  |  |                 |                  |                 |          |
| Ceiling 'twixt Decks .....                          | <u>5</u>         |               |                         |                    |                  |  |                 |                  |                 |          |
| Hold Beam Shelves .....                             | <u>6</u>         |               |                         |                    |                  |  |                 |                  |                 |          |
| Deck Beam Ditto .....                               | <u>13</u>        |               |                         |                    |                  |  |                 |                  |                 |          |

|  |                         |               |                          |  |  |  |  |  |  |  |
|--|-------------------------|---------------|--------------------------|--|--|--|--|--|--|--|
| <b>Size of Bolts in Fastenings, distinguishing whether Copper, Yellow Metal, or Iron; also of Treenails.</b> |                         |               |                          |  |  |  |  |  |  |  |
|  |                         |               |                          |  |  |  |  |  |  |  |
| Heel-Knee, & Deadw'd abaft   | Copper or Y.M. in Ship. | Iron in Ship. | Inches required per Rule |  |  |  |  |  |  |  |
| Scarphs of Keel, N° <u>8</u>   | <u>1 1/16</u>           | <u>1 1/16</u> | <u>1 1/16</u>            |  |  |  |  |  |  |  |
| Keelson Bolts through Keel   | <u>1 1/16</u>           | <u>1 1/16</u> | <u>1 1/16</u>            |  |  |  |  |  |  |  |
| at each Floor .....  | <u>1 1/16</u>           | <u>1 1/16</u> | <u>1 1/16</u>            |  |  |  |  |  |  |  |
| Bolts thro' Heels of Timbers   |                         | <u>1 1/16</u> | <u>1 1/16</u>            |  |  |  |  |  |  |  |
| against Deadwood .....   |                         | <u>1 1/16</u> | <u>1 1/16</u>            |  |  |  |  |  |  |  |
| Frame Bolts .....  |                         | <u>1 1/16</u> | <u>1 1/16</u>            |  |  |  |  |  |  |  |
| Transoms and throats of Hooks  |                         |               |                          |  |  |  |  |  |  |  |
| Arms of Hooks .....  | <u>1 1/2</u>            |               | <u>1 1/16</u>            |  |  |  |  |  |  |  |
| Thro' Bilge and Limber Strakes   | <u>1 1/4</u>            |               | <u>1</u>                 |  |  |  |  |  |  |  |
| Thickstuff over Double Floors ..   | <u>1 1/4</u>            |               | <u>1 1/16</u>            |  |  |  |  |  |  |  |
| Butt End Bolts .....   | <u>1 1/8</u>            |               | <u>1 1/16</u>            |  |  |  |  |  |  |  |
| Short Bolts in Ceiling .....   |                         | <u>1</u>      | <u>1 1/16</u>            |  |  |  |  |  |  |  |
| Pintles of the Rudder .....  | <u>4</u>                |               | <u>3 1/2</u>             |  |  |  |  |  |  |  |
| Hold Beam } Waterway ..  |                         |               | <u>1 1/4</u>             |  |  |  |  |  |  |  |
| Bolts in } Knees .....   |                         |               | <u>1 1/4</u>             |  |  |  |  |  |  |  |
| Shelf or Clamp   |                         |               | <u>1 1/4</u>             |  |  |  |  |  |  |  |
| Deck Beam } Waterway ..  |                         |               | <u>1 1/4</u>             |  |  |  |  |  |  |  |
| Bolts in } Knees .....   |                         |               | <u>1 1/4</u>             |  |  |  |  |  |  |  |
| Shelf or Clamp   |                         |               | <u>1 1/4</u>             |  |  |  |  |  |  |  |
| Nails or Bolts in Flat of Deck   |                         |               | <u>galvanized</u>        |  |  |  |  |  |  |  |
| Treenails .... Inches <u>1 1/2</u>   |                         |               | <u>1 1/2</u>             |  |  |  |  |  |  |  |

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

The Floors consist of Oak, Beech The First Foothooks of Pitch, Pine

The Second Foothooks of Pitch, Pine The Third Foothooks and Top Timbers of Pitch Pine

The Main Keelson is P. P. and — free from all defects. The Shifts of the First and Second Foothooks are not less than 4" inches

The Transoms, Knightheads, Hawse Timbers, & Aprons of Oak ditto. N.B. When less than prescribed by the Rule, state how many.

Deadwood, of Pitch Pine and — ditto. The rest of the Shifts of the Frame are Red Pine 4'

The Stem, and Stern Post of Oak ditto. The Frame is Red Pine squared from First Foothook Heads upwards,

The Deck and Hold Beams of Pitch Pine and Red Pine and is free from sap, and from thence downwards, the frame is Oak, Beech

The Breasthooks of Oak & Iron The — Frames are well bolted together to the Gunwale.

The Knees of red pine The Keel of Pitch, Beech N.B. If not, state how bolted

The Main piece of Rudder of Oak of Windlass of Oak The Butts of the Timbers are all close together; their thickness not

**Planking Outside.**—From the Keel to the Height defined in Note to Table A } the Plank is Pitch Pine, Red Pine less than 4 of the entire moulding at that place.

or to the First Foothook Heads } The Frame is well chocked with 4" x 2" Butt at each end of the chock.

From the above named Height to the Light Water Mark do do

From the Light Water Mark to the Wales do do

The Wales and Black-strakes Red Pine The Topsides & Sheer-strakes Pitch Pine

The Spirketting and Plank-sheers Pitch Pine The Water-ways { Upper Deck Pitch Pine

The Decks Red Pine State of 4" Lower Deck do do

The Shifts of the Planking are not less than 8 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 close between, and without step-butting.

**Planking Inside.**—The Limber-strakes and Bilge-strakes are Pitch Pine

The Ceiling, Lower Hold, and between Decks do Shelf Pieces and Clamps Pitch Pine

**Fastenings.**—To Hold Beams Iron Nails & Wood Nails

No 42 = 4 1/2" + 3 3/4" galv. Bolts

44 = Redins 3" x 4 1/2"

Deck Beams Iron Nails & Wood Nails

No 48 = 4 1/2" x 3 3/4" galv. Bolts

Number of Breasthooks 18 Pointers 2 Iron 4 Pitch Pine Crutches 12 Iron & Oak Nails

Butt End Bolts are of Yellow metal in the Bottom 2 Bolts in each Butt End galvanized through and clenched. 1 1/4"

Bilge and Limber Strakes Pitch Pine bolted through and clenched. Treenails of Oak, Red Pine How Made as usual

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

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

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

11/11/70.

Lloyd's Register Foundation



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

| N <sup>o</sup> . | She has SAILS.           | CABLES, &c.   | Fathoms. | Inches. | Test as per Certificate. | In. req'd per Rule. | Test req'd per Rule. | ANCHORS, &c.  | N <sup>o</sup> . | Weight. Ex. Stock. | Test as per Certificate. | W'ght req'd per Rule. |
|------------------|--------------------------|---|----------|---------|--------------------------|---------------------|----------------------|---|------------------|--------------------|--------------------------|-----------------------|
| 3                | Fore Sails,              | Chain .....   |          | 13/16   | Tipton                   | 2 1/2               | 1 3/16               | Bowers ....   | 3                | 32 cwt             |                          | 32 cwt                |
| 4 1/2            | Fore Top Sails,          | (State Machine where Tested, and name of Superintendent). |          |         | 3/10 1/6                 |                     |                      | (State Machine where Tested, and name of Superintendent). |                  |                    |                          |                       |
| 3                | Fore Topmast Stay Sails, | Hempen Stream Cable .....                                 | 90       | 12      |                          | 90 10'              |                      | Stream ....   | 1                | 14-                |                          | 13-                   |
| 2                | Main Sails,              | Hawser .....  | 90       | 10      |                          | 90 9 1/2'           |                      |   |                  |                    |                          |                       |
| 5 1/2            | Main Top Sails,          | Towlines .....  | 210      | 9 1/2   |                          | 6'                  |                      |   |                  |                    |                          |                       |
| and 7 1/2        |                          | Warp .....  |          |         |                          |                     |                      | Kedges ....   | 2                | 3 1/2              |                          | 6 1/4 3/4             |
|                  |                          | All of <u>fine</u> quality                                |          |         |                          |                     |                      |   |                  |                    |                          |                       |

Her Standing and Running Rigging Wine sufficient in size and Star in quality. She has 2 Life Long Boat and 2 Work boats

The present state of the Windlass is good Capstan good and Rudder excellent Pumps excellent

Scuppers, &c.—What arrangements are there beyond the scuppers on deck, for clearing upper deck of water, in case of a sea coming on board?  
6 2 ports

Cargo Hatchways.—How formed? Oak 7 1/4' State size 8 3/4' long 8 broad

If of extraordinary size, state how framed and secured?

What arrangement for shifting beams? none

Hatches, themselves, whether strong and efficient? good Main Hatchways.—State size 8 3/4 x 8

Order for Special Survey, No. 1 Date 9 august 1876 DATES of Surveys held while building, as per Section 35. 1st. When the Frame is completed March 1875 2nd. When the Beams are put in, &c. July 1875 3rd. {When completed, and before the plank be painted or payed} August 1876

Order for Ordinary Survey, No. \_\_\_\_\_ Date \_\_\_\_\_

General Remarks.

1. The ship has <sup>(second)</sup> under repairs about two years from 1874 to 1876
2. Has been tore down to 13 feet from the keel
3. All the good parts of the ship are sound and good
4. The inside and outside of the stem, inside of the stern of strong and good Oak
5. The deadwoods and frames of redpine and pitchpine.
6. The keelson is 48 inches thick.
7. Iron bolts 2" oo through the Deekbeams.
8. The ship doubleplanked from the keel and up to 13 feet mark.
9. All the wood has been greased down with asphalt or Shur pitch.
10. The ship has been satted all over the timbers.
11. The rigging now of Wine strong and sufficient
12. The Yellowmetal <sup>(Mipian)</sup> has been putted to the 10 feet
13. The ships inventory is complete according to the re
14. All the materials of redpine are norwegian.
15. Whole the work has been done in a good and excellent manner, under carefully Inspection.

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

If Sheathed, Doubled, Felted, Coppered, or Yellow Metalled double Yellow When last done October 76

I am of opinion this Vessel should be Classed A 19 years (nine years)

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

Travelling Expenses, Special.....£ 53 : 6 : :

(if any) £ \_\_\_\_\_ Certificate..... : 5 : : :

Committee's Minute 9 Nov 18 76

Character assigned Best 7 A - 1876

Letter to Surveyor 7/11/76

Date 13/11/76

part 2 years out  
Painted bottom doubled  
TRW

*[Signature]*  
*[Signature]*  
*[Signature]*