

No. 412 Survey held at Weyford Date 23 July Rec. 25/7/68  
 on the New Schooner Mermaid Master 18 68

Tonnage under tonnage deck Round Stained Built at Weyford When built July 1868 Launched             
 Ditto of poop            or spar deck            By whom built Weyford Dock Owners & Co  
 Total tonnage x 86 Tons Port belonging to Weyford Destined Voyage             
 Surveyed while Building, Afloat, or in Dry Dock On the Stock

| Length as per section 39 ..   | Feet. |         | Inches. |          | Extreme Breadth Outside |                    |          |        | Feet. |         | Inches. |         | Number of Decks |  |
|---|-------|---------|---------|----------|-------------------------|--------------------|----------|--------|-------|---------|---------|---------|-----------------|--|
|   | Feet. | Inches. | Sided.  | Moulded. | Moulded.                | REQUIRED PER RULE. | Moulded. | Sided. | Feet. | Inches. | Feet.   | Inches. |                 |  |
| Length of Keel .....  | 75    |         |         |          |                         |                    |          |        | 19    | 7       |         |         | 10              |  |
| <b>Scantlings of Timber.</b>  |       |         |         |          |                         |                    |          |        |       |         |         |         |                 |  |
| TIMBER AND SPACE .....  | 21    |         | Inches  |          |                         |                    |          |        |       |         |         |         |                 |  |
| Floors .....  | 9     |         | 12      |          |                         |                    |          |        |       |         |         |         |                 |  |
| 1 <sup>st</sup> Footbooks .....   | 8     |         | 8 1/2   |          |                         |                    |          |        |       |         |         |         |                 |  |
| 2 <sup>nd</sup> Ditto .....   | 7 1/2 |         | 5       |          |                         |                    |          |        |       |         |         |         |                 |  |
| 3 <sup>rd</sup> Ditto .....   | 7     |         | 5       |          |                         |                    |          |        |       |         |         |         |                 |  |
| Top Timbers .....   | 8 1/2 |         | 5       |          |                         |                    |          |        |       |         |         |         |                 |  |
| Deck Beams } N <sup>o</sup> <u>17</u> Average } <u>4 feet</u> Space }             | 8 1/2 |         | 7 1/2   |          |                         |                    |          |        |       |         |         |         |                 |  |
| Deck Beams, length amidships .....  | 18    |         |         |          |                         |                    |          |        |       |         |         |         |                 |  |
| Hold Beams } N <sup>o</sup> <u>          </u> Average } <u>          </u> Space } |       |         |         |          |                         |                    |          |        |       |         |         |         |                 |  |
| Hold Beams, length amidships .....  |       |         |         |          |                         |                    |          |        |       |         |         |         |                 |  |
| Keel .....  | 15    |         | 10      |          |                         |                    |          |        |       |         |         |         |                 |  |
| Scarphs of Ditto .....  | 14    |         | 10      |          |                         |                    |          |        |       |         |         |         |                 |  |
| Keelsons .....  | 14    |         | 10      |          |                         |                    |          |        |       |         |         |         |                 |  |
| Scarphs of Ditto .....  | 14    |         | 10      |          |                         |                    |          |        |       |         |         |         |                 |  |

| Outside Plank.                           | INCHES.  |                | Dimensions of Ship per Register, length <u>74 3/4</u> breadth <u>10 1/2</u> depth <u>10</u> |
|--|----------|----------------|---|
|  | In Ship. | Required Rule. |   |
| Garboard Strakes ..                      | 2 1/2    |                | Inside Plank.   |
| Garboard to Bilge ..                     | 2 1/2    |                |   |
| Bilge Planks .....                       | 3 1/2    |                | Limber Strakes ..   |
| Bilge to Wales .....                     | 2 1/2    |                | Bilge Planks .....  |
| Wales .....                              | 3 1/2    |                | Ceiling in Flat .....   |
| Topsides .....                           | 3 1/2    |                | Ditto Bilge to Clamp ..   |
| Sheer Strakes .....                      | 3 1/2    |                | Hold Beam Clamps ..   |
| Plank Sheers .....                       | 2 1/2    |                | Deck Beam Ditto ..  |
| Water-Ways } Upper Deck                  | 7 1/2    |                | Ceiling 'twixt Decks  |
| } Lower Deck                             | 7 1/2    |                | Hold Beam Shelves ..  |
| Ditto, faying surface against Timbers .. | 7        |                | Deck Beam Ditto ..  |
| Upper Deck .....                         | 2 1/2    |                |   |

| Size of Bolts in Fastenings, distinguishing whether Copper, Yellow Metal, or Iron; also of Treenails. |               |                           |
|---|---------------|---------------------------|
| Copper or Y.M. in Ship.   | Iron in Ship. | Inches required per Rule. |
| Heel-Knee, & Dead'w'd abaft   | 1/8           |                           |
| Scarphs of Keel, N <sup>o</sup> ..  | 7/8           |                           |
| Keelson Bolts through Keel at each Floor .....  | 1             |                           |
| Bolts thro' Heels of Timbers against Deadwood .....   | 3/4           |                           |
| Transoms and throats of Hooks   | 1             |                           |
| Arms of Hooks .....   | 1             |                           |
| Thro' Bilge & Limber Strakes  | 1 1/2         |                           |
| Thickstuff over Double Floors   | 1 1/4         |                           |
| Butt End Bolts  | 5/8           |                           |
| Short Bolts in Ceiling  | 5/8           |                           |
| Pintles of the Rudder .....   | 2 1/4         |                           |
| Hold Beam Bolts in } Waterway ..  |               |                           |
| } Knees .....   |               |                           |
| } Shelf or Clamp ..   |               |                           |
| Deck Beam Bolts in } Waterway ..  | 3/4           |                           |
| } Knees .....   | 1             |                           |
| } Shelf or Clamp ..   | 3/4           |                           |
| Nails or Bolts in Flat of Deck  |               |                           |
| Treenails .....   |               |                           |

**Timbering.**— The Space between the Floor Timbers and Lower Footbooks is 3 Inches. The Space between the Top-Timbers is 5 Inches.  
 The Floors consist of Irish Oak & Brit Oak The First Footbooks of Ash 6  
 The Second Footbooks of Ash 5 The Third Footbooks and Top Timbers of British Oak  
 The Shifts of the First and Second Footbooks are not less than Four feet N. B. When less than prescribed by the Rule, state how many.  
 The rest of the Shifts of the Frame are From Gun to Gun  
 The Frame is            squared from First Foothook Heads upwards, and            free from sap, and from thence downwards, the frame is Well Squared  
 The            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            chocked with 1/2 Butt at each end of the chock. The Main piece of Rudder is 12 Oak of Windlass is 12 Oak  
 The Keel is Am Elm The Main Keelson is Pitch Pine, 40 Am Oak and            free from all defects.  
 The Stem, and Stern Post of Brit Oak 12 The Transoms, Knight Heads, Hawse Timbers, and Aprons of British Oak 12 Deadwood, of Brit Oak and are            free from all defects.

**Planking Outside.**— From the Keel to the Height defined in Note to Table A } the Plank is Am Elm  
 or to the First Foothook Heads }  
 From the above named Height to the Light Water Mark Red Pine & Larch  
 From the Light Water Mark to the Wales Red Pine 8  
 The Wales and Black-strakes are Red Pine & Larch 9 The Topsides & Sheer-strakes Red Pine & Larch 9  
 The Spirketting and Plank-sheers Red Pine & Larch 9 The Water-ways } Upper Deck Red Pine 10  
 } Lower Deck             
 The Decks Yellow Pine State of new  
 The Shifts of the Planking are not less than Six 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.

**Planking Inside.**— The Limber-strakes and Bilge-strakes are Am Elm & Larch 9 between, and without step-butting.  
 The Ceiling, Lower Hold, and between Decks Larch & Yellow Pine 5 Shelf Pieces and Clamps Red Pine 8

**Fastenings.**— To Hold Beams  
Deck Beams, Beam ends are let into Clamps and have 2 bolts in each  
Knees taking 2 bolts each in floor heads & 6 pair extending half way down along fore & aft knees in Hatchway & mast room spaces all of Iron

Number of Breasthooks Two of Iron Pointers On pair Iron Crutches One & Two after Hook or under  
 Butt End Bolts are of Iron in the Bottom. Two Bolts in each Butt End            through and clenched.  
 Bilge and Limber Strakes are bolted through and clenched. Treenails of Larch How Made             
 Thickstuff over Double Floors            bolted through and clenched. General Quality of Workmanship Very Superior

We certify that the above is a correct description of the several particulars therein given  
 Builder's Signature J. M. Percival Surveyor's Signature R. Sparrow

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

| N <sup>o</sup> . | She has SAILS.           | CABLES, &c.            | Fathoms. | Size. | Tested to, as per Certificate. | ANCHORS, &c.     |                    |                                |
|------------------|--------------------------|------------------------|----------|-------|--------------------------------|------------------|--------------------|--------------------------------|
|                  |                          |                        |          |       |                                | N <sup>o</sup> . | Weight. Ex. Stock. | Tested to, as per Certificate. |
|                  | Fore Sails,              | Chain .....            |          |       |                                | Bower, .....     |                    |                                |
|                  | Fore Top Sails,          | Hempen Stream Cable .. |          |       |                                |                  |                    |                                |
|                  | Fore Topmast Stay Sails, | Hawser .....           |          |       |                                |                  |                    |                                |
|                  | Main Sails,              | Towlines .....         |          |       |                                | Stream, .....    |                    |                                |
|                  | Main Top Sails,          | Warp .....             |          |       |                                |                  |                    |                                |
|                  | and                      | All of _____ quality.  |          |       |                                | Kedge, .....     |                    |                                |

Her Standing and Running Rigging \_\_\_\_\_ sufficient in size and \_\_\_\_\_ in quality.

She has One Long Boat and \_\_\_\_\_  
 The present state of the Windlass is New Capstan Wash Rudder New Pumps Two Metal

| Order for Special Survey, <u>March 1888</u> | DATES of Surveys held while building, as per Section 35. | 1st. When the Frame is completed   |
|---|--|--|
| No. _____ Date _____                        |  | <u>16 March 1888</u>   |
| Order for Ordinary Survey, _____            |  | 2nd. When the Beams are put in, &c. <u>1 June</u>                                |
| No. _____ Date _____                        |  | 3rd. { When completed, and before the plank be painted or payed } <u>10 July</u> |

**General Remarks**

*This vessel is well built free from defects the spars are American Red Pine and the Iron work of best quality, and would be entitled to the Six year A class were it not for the second futtocks, being Oak but the timber in those futtocks is of excellent quality, I would recommend her to be so classed if possible as she deserves it, The Owners wish her classed Steel Mast, spars, as now finished.*

Present condition of Caulking of Bottom, now done Deck, now done and Waterways now done

If Sheathed, Doubled, Felted, or Coppered none When last done \_\_\_\_\_

I am of opinion this Vessel should be Classed A for Six years if not too much contrary to Rules.

The Amount of the Fee.....£ 1 : 0 : 0 is received by me,

January Special .....£ 4 : 13 : 0  
July Certificate .....£ : 2 : 6

Committee's Minute 28<sup>th</sup> July 1888  
 Character assigned A for 5 years

