

No. 2019 Survey held at Brigham Date 29<sup>th</sup> June 1864  
 on the Brig Petra Master R Cox  
 Tonnage Old Built at Brigham When built 1864 Launched June  
 By whom built Dowdney Bros Owners Dart & Co  
 Port belonging to Brigham Destined Voyage Australia  
 Surveyed while Building, Afloat, or in Dry Dock Surveyed while building

| Length aloft | Feet.  |          |       | Inches.  |       |          | Extreme Breadth Outside | Feet. |        |          | Inches. |        |          | Depth of Hold | Feet. |        |          | Inches. |        |          |
|--------------|--------|----------|-------|----------|-------|----------|-------------------------|-------|--------|----------|---------|--------|----------|---------------|-------|--------|----------|---------|--------|----------|
|              | Sided. | Moulded. | Ends. | Moulded. | Ends. | Moulded. |                         | Ends. | Sided. | Moulded. | Ends.   | Sided. | Moulded. |               | Ends. | Sided. | Moulded. | Ends.   | Sided. | Moulded. |
| 101          |        |          |       | 5        |       |          | 25                      |       |        |          | 8       |        |          | 12            |       |        |          | 9       |        |          |

  

| Scantlings of Timber.                                      | Feet.  |          |       | Inches.  |       |                    | Outside.                                 | Inches.  |                    |                      | Inside. | Inches.            |          |                    |
|--|--------|----------|-------|----------|-------|--------------------|--|----------|--------------------|----------------------|---------|--------------------|----------|--------------------|
|  | Sided. | Moulded. | Ends. | Moulded. | Ends. | Required per Rule. |  | In Ship. | Required per Rule. | In Ship.             |         | Required per Rule. | In Ship. | Required per Rule. |
| TIMBER AND SPACE   | 20     |          |       | 20       |       |                    | Garboard Strakes                         | 2 3/4    | 2 1/2              | Limber Strakes       | 3 1/4   | 3                  |          |                    |
| Floors   | 8 1/2  | 10       | -     | 8        | 8     |                    | Garboard to Bilge                        | "        | "                  | Bilge Planks         | 3 1/2   | "                  |          |                    |
| 1 <sup>st</sup> Foothooks                                  | 7 1/2  | 8 1/2    | -     | 7        | 7     |                    | Bilge Planks                             | 5        | "                  | Ceiling in Flat      | 2       | 2                  |          |                    |
| 2 <sup>nd</sup> Ditto                                      | 7 1/2  | -        | -     | 6 1/2    | -     |                    | Bilge to Wales                           | 2 1/2    | "                  | Ditto Bilge to Clamp | "       | "                  |          |                    |
| 3 <sup>rd</sup> Ditto                                      | 6 1/2  | -        | -     | 6        | -     |                    | Wales                                    | 4        | 4                  | Hold Beam Clamps     | 3 1/4   | 3                  |          |                    |
| Top Timbers  | 6      | -        | 5     | -        | -     | 4 1/2              | Topsides                                 | 3        | 3                  | Deck Beam Ditto      | 3       | 2 1/2              |          |                    |
| Deck } N <sup>o</sup> 21 Average } 4 ft<br>Beams } Space } | 8 1/2  | 8 1/2    | 7 1/2 | 7 1/2    | 7 1/2 | 6 1/2              | Sheer Strakes                            | "        | "                  | Ceiling 'twixt Decks | 2       | 2                  |          |                    |
| Deck Beams, length amidships                               |        |          |       |          |       |                    | Plank Sheers                             | 2 1/2    | 2 1/2              | Hold Beam Shelves    | ✓       | ✓                  |          |                    |
| Hold } N <sup>o</sup> 2 Average }<br>Beams } Space }       | 10 1/2 | 10 1/2   | 9 1/2 |          |       |                    | Water- } Upper Deck<br>Ways } Lower Deck | 7        | 4 1/2              | Deck Beam Ditto      | ✓       | ✓                  |          |                    |
| Hold Beams, length amidships                               |        |          |       |          |       |                    | Ditto, faying surface<br>against Timbers | 4 1/2    | 4 1/2              |                      |         |                    |          |                    |
| Keel   | 10 1/2 | 13       | -     | 10       | 10    |                    | Upper Deck                               | 3        | 2 1/2              |                      |         |                    |          |                    |
| Scarpns of Ditto   | 63     |          |       |          |       |                    |  |          |                    |                      |         |                    |          |                    |
| Keelsons   | 13     | 13 1/2   | -     | 11       | 11    |                    |  |          |                    |                      |         |                    |          |                    |
| Scarpns of Ditto   | 63     |          |       |          |       |                    |  |          |                    |                      |         |                    |          |                    |

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

| Part                              | Copper or Y.M. in Ship. | Iron in Ship. | Inches required per Rule | Part                          | Copper or Y.M. in Ship. | Iron in Ship. | Inches required per Rule | Part                           | Copper or Y.M. in Ship. | Iron in Ship. | Inches required per Rule |
|-----------------------------------|-------------------------|---------------|--------------------------|-------------------------------|-------------------------|---------------|--------------------------|--------------------------------|-------------------------|---------------|--------------------------|
|                                   |                         |               |                          |                               |                         |               |                          |                                |                         |               |                          |
| Scarpns of Keel, N <sup>o</sup> 8 | 7/16                    | -             | 3/4                      | Arms of Hooks                 | 2/16                    | -             | 7/16                     | Bolts in                       | Knees                   | 7/16          | 3/4                      |
| Keelson Bolts through Keel        | -                       | 1/8           | 7/8                      | Thro' Bilge & Limber Strakes  | 5/16                    | -             | 5/16                     | Deck Beam                      | Waterway                | -             | 3/4                      |
| at each Floor                     | -                       | 1/8           | 7/8                      | Thickstuff over Double Floors | 5/16                    | -             | 5/16                     | Bolts in                       | Knees                   | -             | 1/8                      |
| Bolts thro' Heels of Timbers      | -                       | 3/4           | 1/16                     | Butt End Bolts                | 5/16                    | 5/16          | 5/16                     | Nails or Bolts in Flat of Deck | Shelf or Clamp          | -             | 3/4                      |
| against Deadwood                  | -                       | 3/4           | 1/16                     | Pintles of the Rudder         | Holden                  | 5/16          | 5/16                     | Treenails                      |                         | -             | 6 1/4                    |

**Timbering.**—The Space between the Floor Timbers and Lower Foothooks is        Inches. The Space between the Top-Timbers is        Inches.  
 The Floors consist of 6 Oak The First Foothooks of 6 Oak  
 The Second Foothooks of 6 Oak The Third Foothooks and Top Timbers of 6 Oak  
 The Shifts of the First and Second Foothooks are not less than 3 ft 3 in N. B. When less than prescribed by the Rule, state how many.  
 The rest of the Shifts of the Frame are good  
 The Frame is well squared from the First Foothook Heads upwards, and        free from sap, and from thence downwards, the frame is square & good  
 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 dovelled chocked with a Butt at each end of the chock. The Main piece of Rudder is 6 Oak of Windlass is 6 Oak  
 The Keel is 6 Elm The Main Keelson is 6 Oak and        free from all defects.  
 The Stem, and Stern Post of 6 Oak The Transoms, Knight Heads, Hawse Timbers, and Aprons of 6 Oak Deadwood, of 6 Oak and are        free from all defects.  
 The Deck and Hold Beams of 6 Oak The Breasthooks of 6 O + Iron The Knees of 6 Oak  
**Planking Outside.**—From the Keel to the Height defined in Note to Table A } the Plank is 6 Elm  
 or to the First Foothook Heads }  
 From the above named Height to the Light Water Mark 6 Oak  
 From the Light Water Mark to the Wales 6 Oak  
 The Wales and Black-strakes are 6 Oak The Topsides & Sheer-strakes 6 Oak  
 The Spirketting and Plank-sheers 6 Oak The Water-ways { Upper Deck 6 Oak  
 Lower Deck         
 The Decks 6 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 3 between, and without step-butting.  
**Planking Inside.**—The Limber-strakes and Bilge-strakes are 6 Oak  
 The Ceiling, Lower Hold, and between Decks Greenheart + 6 Oak Shelf Pieces and Clamps Greenheart + 6 Oak  
**Fastenings.**—To Hold Beams Iron double Lodging Trems

Deck Beams Wood double Lodging Trems + 4 1/2" Iron Hanging D<sup>o</sup>  
 Number of Breasthooks 3 Pointers 1 1/2" Iron Crutches Iron  
 Butt End Bolts are of 5/8 y in in the Bottom: two Bolts in each Butt End        through and clenched.  
 Bilge and Limber Strakes are bolted through and clenched. Treenails of 6 Oak How Made United  
 Thickstuff over Double Floors        bolted through and clenched. General Quality of Workmanship is good  
 We certify that the above is a correct description of the several particulars therein given  
 Builder's Signature J. P. Dowdney Surveyor's Signature M. P. Dowdney

PLY885-0332

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

She has SAILS.

*Colley's Machine*  
CABLES, &c.

*Colley's Machine*  
ANCHORS, and their weights.

| N <sup>o</sup> .                 |                          | Tons                        | Fathoms. | Inches. |         | Tons  | N <sup>o</sup> . | Weight. |
|----------------------------------|--------------------------|-----------------------------|----------|---------|---------|-------|------------------|---------|
| 2                                | Fore Sails,              | 22                          | 180      | 1 1/4   | Bower,  | 11-12 | 1                | 11-3-1  |
| 2                                | Fore Top Sails,          |                             | 90       | 8 1/2   |         | 10-8  | 1                | 10-1-8  |
| 2                                | Fore Topmast Stay Sails, |                             | 90       | 6 3/4   | Stream, | 6-10  | 1                | 4-3-0   |
| 2                                | Main Sails,              |                             | 90       | 4 1/2   |         |       |                  |         |
| 2                                | Main Top Sails,          |                             | 180      | 3 1/2   | Kedge,  |       | 1                | 2-0     |
| and <i>other necessary sails</i> |                          | 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 one other

The present state of the Windlass is secure Capstan Do Rudder Do Pumps 2 Iron

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                                  | <u>3<sup>rd</sup> Nov 1863</u> |
|  | 2nd. When the Beams are put in, &c.                               | <u>Feb 4 1864</u>              |
|  | 3rd. { When completed, and before the plank be painted or payed } | <u>June "</u>                  |

*This is a good built Vessel. The frame is square and free from sap, the plank outside and inside is of the best quality and free from defects, also the Beams, Waterways and materials throughout. She is well fastened in accordance with the Rules and in my opinion fully entitled to her intended Class*

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

If Sheathed, Doubled, Felted, or Coppered 4th on Hull When last done ✓

I am of opinion this Vessel should be Classed 12 A 1

The Amount of the Fee.....£ 2: 0: 0 is received by me, J. H. Buckley  
Special.....£ 9: 3: 0  
Certificate.....£         

Committee's Minute 3<sup>rd</sup> July 1864

Character assigned 1 for 12 Years

