

Rec 19/4/67 11 *LLO*  
 Date *April 46* 1847

No. *4110* Survey held at *Bideford*  
 on the Ship *Empress of China* Master *Robt Brown*  
 Tonnage *410* Built at *Bideford* When built *1847*  
 By whom built *George Cox* Owners *William Jenkins*  
 Port belonging to *Swansea* Destined Voyage *Liverpool*  
 If Surveyed Afloat or in Dry Dock *On the Stocks &c.*

Length aloft ..... *118* <sup>Feet.</sup> *6* <sup>Inches.</sup> Extreme Breadth ..... *27* <sup>Feet.</sup> *8* <sup>Inches.</sup> Depth of Hold ..... *19* <sup>Feet.</sup> *9* <sup>Inches.</sup>

Scantlings of Timber.			Thickness of Plank.		
	Inches.		Outside.	Inches.	Inside.
Timber and Space..... each	<i>2 1/2</i>		Keel to Bilge .....	<i>3 1/2</i>	Foot Waling .....
Floors..... sided	<i>13</i>	Moulded <i>14 1/2</i> <i>10 1/2</i>	Bilge Planks .....	<i>5 1/2</i>	Bilge Planks .....
1 <sup>st</sup> Foothooks..... "	<i>10</i>	" <i>10</i>	Bilge to Wales .....	<i>3 1/2</i>	Ceiling in Flat .....
2 <sup>nd</sup> Ditto..... "	<i>9 1/2</i>	" <i>9 1/2</i>	Wales .....	<i>5</i>	Ditto Bilge to Clamp .....
3 <sup>rd</sup> Ditto..... "	<i>8</i>	" <i>8</i>	Topsides .....	<i>3</i>	Hold Beam Clamps .....
Top Timbers .....	<i>7 1/2</i>	" <i>7 1/2</i>	Sheer Strakes .....	<i>3 1/2</i>	Deck Beam Ditto.....
Deck Beams N <sup>o</sup> <i>22</i> Average Space } <i>4 feet</i>	<i>10</i>	" <i>10</i> <i>7</i>	Plank Sheers.....	<i>3 3/4</i>	Ceiling 'twixt Decks .....
Hold Beams N <sup>o</sup> <i>21</i> Average Space } <i>4 feet</i>	<i>11</i>	" <i>11</i> <i>8</i>	Water-Ways .....	<i>6 1/2</i>	Hold Beam Shelves .....
Keel .....	<i>12 1/2</i>	" <i>15</i>	Upper Deck .....	<i>3 1/4</i>	Deck Beam Ditto.....
Kelsons .....	<i>13 1/2</i>	" <i>17 1/2</i>			

Copper or Iron.		Copper or Iron.		Iron.	
	Inches.		Inches.		Inches.
Heel-Knee, and Dead Wood abaft .....	<i>1 1/4</i>	Bolts thro' the Bilge and Foot Waling .....	<i>7/8</i>	Hold Beam .....	<i>1 1/2</i> <i>1/16</i>
Scarphs of Keel..... N <sup>o</sup> <i>6</i>	<i>7/8</i>	Butt End Bolts .....	<i>3/4</i>	Deck Beam .....	<i>1</i>
Floor Timber Bolts .....	<i>1 1/8</i>	Lower Pintle of the Rudder .....	<i>3/4</i>		
Kelson ditto .....	<i>1 1/8</i>				
Transoms and throats of Hooks .....	<i>1</i>				
Arms of Hooks .....	<i>7/8</i>				

**Timbering.**—The Space between the Floor Timbers and Lower Foothooks in this Vessel is *2 1/2* Inches. The Space between the Top-timbers is *11* Inches. The Stem, Stern Post, are composed of *English Oak* the Transoms, Aprons, Knight Heads, Hawse Timbers, of *English Oak* and are free from all defects. The Floors and first Foothooks are composed of *English Oak* Timber. The other Foothooks and Top Timbers of *English Oak*. The Shifts of the first and second Foothooks are not less than *four feet 6 in* N. B. When less than prescribed by the Rule, state how many. The rest of the Shifts of the Frame are *five feet*. The Frame is *well* squared from the first Foothook Heads upwards, and free from sap, and from thence downwards, the frame is *well seasoned*. The alternate Frames are *all* bolted together. 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 *well* chocked with *a* Butt at each end of the chock. The Main Kelson is composed of *English Oak* and the False Kelson of *English Oak*. The Scarphs of the Kelsons are not less than *eight feet six* inches. The Deck and Hold Beams are composed of *English Oak*.

**Planking Outside.**—From the Keel to the first Foothook Heads the Plank is composed of *English Oak & Quebec Elm*. From the first Foothook Heads to the Light Water Mark of *English Oak*. From the Light Water Mark to the Wales of *English Oak*. The Wales and Black-strakes are of *English Oak*. The Topsides of *English Oak*. The Sheer-strakes and Plank-sheers of *English Oak*. The Water-ways of *English Oak*. The Decks of *Best Quebec yellow Pine* State of *Very good*. The Shifts of the Planking are not less than *6* Feet *0* 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 composed of *English Oak* the Bilge Planks of *English Oak*. The Ceiling, Lower Hold, of *English Oak* Between Decks of *English Oak*. Shelf Pieces of *English Oak* Clamps of *English Oak*.

**Fastenings.**—To Hold Beams *Stingers will bolted to sides and bolted & dowelled to Beams* Horizontal *Staple Iron Knives, Hanging Diagonal & Staple Standard to every Beam*. Deck Beams *Stingers will bolted and dowelled Wood lodging & locking Knives will bolted to the sides & beams, Iron Staple Standard to every beam*. Number of Breasthooks *Five* Pointers *Five* Crutches *Two*. Butts End Bolts are of *3/4 copper* in the Bottom, and *one* Bolt in each Butt End through and clenched. Bilge and Footwaling *7/8 copper* bolted through and clenched. General Quality of Workmanship *Very good*.

We certify that the preceding is a correct description of the above-named Vessel,  
 Builder's Signature *George Cox* Surveyor's Signature *James Brown*



BID73-0243

Her Masts, Yards, &c. are in new 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> .
2	Fore Sails,	240	Chain .....	1 7/8	Wood Stock 21 0 0
1	Fore Top Sails,	100	Hempen Stream Cable .....	8 1/2	Do. - 20 0 0
1	Fore Topmast Stay Sails,	100	Chain Stream .....	7 1/2	Iron - 18 3 0
1	Main Sails,	100	Hawser .....	6	Do. - 9 2 0
2	Main Top Sails,	100	Towlines .....	5	Do. - 5 1 2
and all other necessary sails			Warp .....	11	Do. - 3 2 21
			All of <u>best</u> quality.		

Her Standing and Running Rigging is sufficient in size and of best in quality.

She has one Long Boat and a Tolly Boat & Gig with Patent Purchase

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

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

If Sheathed, Doubled, Felted, or Coppered \_\_\_\_\_ When last done \_\_\_\_\_

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

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

Special .....£ : :

Certificate (if required) .....£ : 10 : :

Committee's Minute 20th April 1847

Character assigned A 1 in 12 E

"N.B. Have the goodness to send a certificate."  
[Signature]

