

No. 913 Survey held at Sunderland Date March 1888
 on the S^o Heptane Master Clarke
 Tonnage 267 Built at Sunderland When built 1838
 By whom built J. C. Alcock Owners R. Fenwick
 Port belonging to London Destined Voyage London
 If Surveyed Afloat or in Dry Dock Building

Length aloft.....91 Feet. 1 Inches. Extreme Breadth25 Feet. 9 Inches. Depth of Hold15 Feet. 7 Inches.

Scantlings of Timber.

		Inches.	Inches.	Inches.
		Middle	Ends	
Timber and Space.....	each	<u>12</u>	<u>12</u>	<u>12</u>
Floors.....	sided	<u>11</u>	<u>10</u>	<u>10</u>
1 st Foothooks.....	"	<u>10.4</u>	<u>9</u>	<u>9</u>
2 nd Ditto.....	"	<u>9.10</u>	<u>8.5</u>	<u>8.5</u>
3 rd Ditto.....	"	<u>8</u>	<u>7</u>	<u>7</u>
Top Timbers.....	"	<u>7.8</u>	<u>4.5</u>	<u>4.5</u>
Deck Beams.....	Number of <u>20</u>	<u>7</u>	<u>7</u>	<u>6</u>
Hold Beams.....	Do. <u>12</u>	<u>10.11</u>	<u>10.11</u>	<u>8</u>
Keel.....		<u>11.12</u>	<u>9</u>	<u>9</u>
Kelsons.....		<u>12</u>	<u>52</u>	<u>52</u>

Thickness of Plank.

Outside.	Inches.	Inside.	Inches.
Keel to Bilge.....	<u>3</u>	Foot Waling.....	<u>3.1/4</u>
Bilge Planks.....	<u>4.1/4</u>	Bilge Planks.....	<u>4</u>
Bilge to Wales.....	<u>3.25</u>	Ceiling in Flat.....	<u>2.1/2</u>
Wales.....	<u>4.1/4</u>	Ditto Bilge to Clamp.....	<u>2.1/2</u>
Topsides.....	<u>2.1/2</u>	Hold Beam Clamps.....	<u>4.1/4</u>
Sheer Strakes.....	<u>5.1/8</u>	Deck Beam Ditto.....	<u>3</u>
Plank Sheers.....	<u>3</u>	Ceiling 'twixt Decks.....	<u>2</u>
Water-ways.....	<u>6.1/8</u>	Hold Beam Shelves.....	<u>1.1/2</u>
Upper Deck.....	<u>3</u>	Deck Beam ditto.....	<u>-</u>

Size of Bolts in Fastenings.

Copper.	Inches.	Copper.	Inches.	Iron.	Inches.
Heel-Knee, and Dead Wood abaft.....	<u>1.1/8</u>	Bolts thro' the Bilge and Foot Waling.....	<u>3/4</u>	Hold Beam.....	<u>1.1/2</u>
Scarphs of Keel.....	<u>1.1/8</u>	Butt End Bolts.....	<u>1.1/8</u>	Deck Beam.....	<u>1.1/2</u>
Floor Timber Bolts.....	<u>1.1/8</u>	Lower Pintle of the Rudder.....	<u>2.5/8</u>		
Kelson ditto.....	<u>1.1/8</u>				
Transoms and throats of Hooks.....	<u>1.1/8</u>				
Arms of Hooks.....	<u>1.1/8</u>				

Timbering.—The Space between the Floor Timbers and Lower Foothooks in this Vessel is 1.6 Inches. The Space between the Top-timbers is 3.4.5 Inches. The Stem, Stern Post, Transoms, Aprons, Knight Heads, Hawse Timbers, are composed of American Oak and are free from all defects.

Her Floors and first Foothooks are composed of English Oak Timber.

Her other Foothooks and Top Timbers of English Oak

Her Shifts of the first and second Foothooks are not less than 3/4 N.B. When reported by you less than the prescribed Rule, then state how many.

The rest of the Shifts of the Frame are generally good

The Frame is fairly squared from the first Foothook Heads upwards, and fairly free from sap, and from thence downwards, the frame is generally well squared

The alternate Frames are not bolted together. every 4th

The Butts of the Timbers are well close together; their thickness not less than 1/8 of the entire moulding at that place.

The Frame is well chocked with well Butt at each end of the chock.

The Main Kelson is composed of American Oak and the False Kelson of American Oak

The Scarphs of the Kelsons are not less than 7 feet 6 inches.

The Deck and Hold Beams are composed of English Oak

Planking Outside.—This Vessel's Plank from the Keel to the first Foothook Heads is composed of American Oak

From the first Foothook Heads to the Light Water Mark of American Oak

From the Light Water Mark to the Wales of American Oak

The Wales and Black-strakes are of American Oak

The Topsides of English Oak

The Sheer-strakes of American Oak Decks, and state of, Yellow pine

The Gunwales of American Oak Water-ways of Yellow pine

The Shifts of the Planking are not less than 3/4 Feet Inches. N.B. If reported less than the prescribed Rule, state whether general or partial, and if partial, in what part of the Ship.

Planking Inside.—The Clamps are composed of American Oak The Planking is wrought 3 between.

The Bilge Planks of American Oak and the remainder of the Ceiling of American Oak

Fastenings.—To Hold Beams Iron Straps round on Timber; Stringers on Iron and 10 Iron knees each side below

Deck Beams One Wood scupper Iron and Iron hanging Iron at each end Double Wood Straps

Number of Breasthooks Five Pointers one pair Crutches three on each side up to 3 transoms

Butts End Bolts are of Iron in the Bottom, and one Bolt in each Butt End through and clenched. also 2 Iron each side

Bilge and Footwaling is bolted through and clenched.

General Quality of Workmanship Reasonably good

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

Builder's Name John Brunton

Surveyor's Name John Brunton

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

She has SAILS.			CABLES, &c.		ANCHORS.		
N ^o .		Fathoms.		Inches.	N ^o .		
2	Fore Sails,	200	Chain	1 1/8 13/16	3	Bower,	11 1/2 . 11 . 10 1/4
1	Fore Top Sails,	75	Hempen Stream Cable.....	8	1	Stream,	3 . 2 . 2 1/2
2	Fore Topmast Stay Sails,	60	Hawser	3 1/4	1	Kedge,	1 . 2 . 12
1	Main Sails,	80	Towlines	5 1/2		All of proper weight.	
2	Main Top Sails,	80	Warp	4 1/2			
and <u>sufficient in other sails</u>			All of <u>good</u> quality.				

Her Standing and Running Rigging is well fitted sufficient in size and good in quality.

She has one Long Boat and stiff

The present state of the Windlass is good Capstan which good and Rudder Boards all suff
with 1200 lbs. pressure Store all good and new material

General Remarks—Statement and Date of Repairs.

Frame generally of well grown and healthy quality, fairly wrought and shifted: a few 2^d & 3^d footstools on each side over thin points. The timbers generally scarped on 2^d & 4th a few of them on each side are Diagonal (clipped and run waring: Transoms & Orlop timbers fairly & square. Part of the Hold beams run waring & happy at the small end of run but are of good scathing.

Quality of Outside planking good: generally fairly wrought and shifted and well chand of Sep: 2 & 3 planks, sprung in the bottom and a few of the Scarp ends Board 4 ft. long: Gunwales all by Oak.

Part of Ceiling plank of fore and inferior quality: generally well wrought and shifted: that of Gunwales through by plate in places but fastened with Spikes & Bolts when deficient.

Beams, knees, Hooks &c. all well fitted and securely Bolted & Chained.

(Commenced building in Sep^r 1837 Launched March 1838 was
Surveyed at the following dates 2^d 18th 9th 23rd 23rd
11th 11th 12th 2nd 2nd

The general appearance is Firm Good: Frame fastenings good

If Sheathed, Doubled, or Felted, _____

and Date when last done _____

And Sam of opinion this Vessel should be Classed _____

The Amount of the Fee.....£ 3 : 3 : 0 is received by me,

Special Survey 10.0.0
13.3.0

Committee Minute 27 March 1838

Character assigned A 1 for 8 years



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Foundation