

No. 1781 Survey held at Worthington Date 20th August 1859  
on the Ship "Corea" Master J. Garry  
Tonnage Old Built at Worthington When built 1857-58 & 59 Launched 30th July 1859  
By whom built Worthington & Harington Shipbuilders & Co. Owners Bashby & others  
Port belonging to Worthington Destined Voyage Liverpool & China  
If Surveyed while Building, Afloat, or in Dry Dock while building SS No 83

Length aloft	Feet. 167	Inches. 2	Extreme Breadth Outside	Feet. 29	Inches. -	Depth of Hold	Feet. 19	Inches. 2 1/2
Scantlings of Timber.			Thickness of Plank.					
Timber and Space			Outside.			Inside.		
Floors	13 1/2	13 1/2 to 15	13 1/4	13 1/4	Garboard Strakes	4 1/2	4 1/4	
1st Foothooks	12	12	11 1/4	11 1/4	Garboard to Bilge	5 1/2	5	
2nd Ditto	10 1/2	12 10 1/2	10 1/4	10 1/4	Bilge Planks	3 1/2	3	
3rd Ditto	9 3/4	6 1/2	9 1/4	6 1/4	Bilge to Wales	3 1/4	3	
Top Timbers	4 feet 9 ins	9 1/2	9	9 1/2	Wales	5 3/4	5	
Deck Beams, length amidships	26 feet	10 ins	12	12	Topsides	4 1/4	4	
Hold Beams, length amidships	26 feet	10 ins	12	12	Sheer Strakes	4 1/2	4	
Keel	14 1/4	14 1/4	14 1/4	14 1/4	Plank Sheers	4	4	
Scarphs of Ditto	16	18	15 1/4	15 1/4	Water - Upper Deck	13 x 11	6 1/2	
Keelsons	16	18	15 1/4	15 1/4	Way - Lower Deck	7	6 1/2	
Scarphs of Ditto	16	18	15 1/4	15 1/4	Ditto, faying surface against Timbers	7	6 1/2	
					Upper Deck	4	3 1/2	

Size of Bolts in Fastenings, distinguishing whether Copper or Iron; also of Treenails.								
Copper	Inches	Inches	Copper	Inches	Inches	Copper	Inches	Inches
Heel-Knee, and Deadwood abaft	1 3/8	1 3/8	Transoms and throats of Hooks	1 1/4	1 3/8	Hold Beam Bolts in	1 1/8	1 1/8
Scarphs of Keel	1 3/8	1 3/8	Arms of Hooks	1 1/8	1 1/8	Knees	1 1/8	1 1/8
Keelson Bolts through Keel at each Floor	1 3/8	1 3/8	Bolts thro' Bilge & Limber Strakes, or Thickstuff over Double Floors	7/8	7/8	Shelf or Clamp	1 1/8	1 1/8
Bolts through Heels of Timbers against Deadwood	1 3/8	1 3/8	Butt End Bolts	1 3/8	1 3/8	Waterway	1 3/8	1 3/8
			Pintles of the Rudder	3 1/2	3 1/4	Deck Beam Bolts in	1 1/8	1 1/8
						Knees	1 1/8	1 1/8
						Shelf or Clamp	1 3/8	1 3/8
						Nails or Bolts in Flat of Deck	3/8	3/8
						Treenails	1 1/8	1 1/8

Timbering.—The Space between the Floor Timbers and Lower Foothooks is 6 to 4 Inches. The Space between the Top-Timbers is 5 to 7 Inches.

The Floors consist of English Oak 12 yrs The First Foothooks of English & African Oak 12 yrs

The Second Foothooks of English Oak 12 yrs The Third Foothooks and Top Timbers of English Oak 12 yrs

The Shifts of the First and Second Foothooks are not less than 4 feet 6 ins N. B. When less than prescribed by the Rule, state how many.

The rest of the Shifts of the Frame are the same

The Frame is well squared from the First Foothook Heads upwards, and free from sap, and from thence downwards, the

frame is well squared and good.

The alternate 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 cross chocked with a Butt at each end of the chock. The Main piece of Rudder is Morra 12 yrs

The Main Keelson is Greenheart 12 yrs and free from all defects. The Main piece of Windlass is English Oak 12 yrs

The Stem, and Stern Post, consist of English Oak 12 yrs The Transoms, Aprons, Knight Heads, and

Hawse Timbers of Oak & English Oak 12 yrs Deadwood, of Spruce & Oak 12 yrs and are free from all defects

The Deck and Hold Beams consist of Oak, Morra & Oak 12 yrs The Breasthooks of Iron The Knees of Iron

Planking Outside.—From the Keel to the Height defined in Note to Table A, the Plank is Am. Oak & Elm, Bal. Oak & Pine

From the above named Height to the Light Water Mark Oak, Baltic Oak & Pine

From the Light Water Mark to the Wales Oak & Greenheart 12 yrs

The Wales and Black-strakes are Greenheart 12 yrs The Topsides Oak & Greenheart 12 yrs

The Sheer-strakes and Plank-sheers Oak & Greenheart 12 yrs The Water-ways { Upper Deck Oak & Oak 12 yrs

The Decks Yellow Pine State of Good Lower Deck

The Shifts of the Planking are not less than 4 Feet 6 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 between, and without step-butting

Planking Inside.—The Limber-strakes and Bilge-strakes are Oak & Greenheart 12 yrs

The Ceiling, Lower Hold, and between Decks Oak, Morra & Oak 12 yrs Shelf Pieces and Clamps Oak & Oak 12 yrs

Fastenings.—To Hold Beams Iron staple lodging knees in each Beam space & 17 pair of Iron vertical knee Rides extending down to lower part of Bilge

Deck Beams Iron staple lodging knees in each Beam space, 5 pairs of Staple stand-ard knees, and 17 pairs of Iron hanging knees

Number of Breasthooks 5 of Iron 3 on wood Chipping Pointers one pair of Iron Crutches two of Iron

Butts End Bolts are of Yellow Metal in the Bottom, and one Bolt in each Butt End through and clenched.

Bilge and Limber Strakes are Oak Metal bolted through and clenched. Treenails of Oak & Oak 12 yrs How Made Turned

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

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

Builder's Signature Jonathan Fell Surveyor's Signature J. A. Giltman



Her Masts, Yards, &c. are in good 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,	Chain .....	270	1 3/4	3
2	Fore Top Sails,	<sup>chain</sup> Hempen Stream Cable .....	75	1 3/4	21 " 2 " 0
2	Fore Topmast Stay Sails,	Hawser .....	90	9/2	21 " 1 " 0
1	Main Sails,	Towlines .....	"	7	20 " 2 " 0
2	Main Top Sails,	Warp .....	"	4 1/2	1
and others sufficient		All of <u>good</u> quality.			7 " 2 " 0
					2 5 " 0 " 0
					3 " 1 " 1

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

She has one Long Boat and three others

The present state of the Windlass is good Capstan good Rudder good Pumps 2 of 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>Special Survey</u>
	2nd. When the Beams are put in, &c.	
	3rd. { When completed, and before the plank be painted or payed }	

Keel laid 18<sup>th</sup> Sept 1857, Frame completed 19<sup>th</sup> Jan'y 1858 launched 30<sup>th</sup> July 1859, Built under a Roof in conformity with the Rule Section 32. She has 14 pairs of Iron diagonal plates 4 x 5/8 Ins let into the inside of the Frame extending from the upper edge of upper deck clamps to Floorheads fastened with a 7/8 Ins Iron Bolt in every timber.

Has a raised Quarter deck Elevation 22 Ins, Outside Planking 3/4 Ins, inside Planking 4 Ins, Plank sheer 3/4 Ins, Waterway 9/4 x 8 1/2 Ins, all of Teak, 9 Beams of Teak sided 7 1/2 Ins, Moulded Middle 7 1/2 Ins Ends 7 Ins, secured with Iron staple lodging knees in each Beam space and 2 pairs of Iron hanging knees, her through Bolts are of Yellow Metal, and Bolts of deck are Galvanized Iron in accordance with Rule Section 46, Pieces have been cut out of the bottom (two on each side) the Caulking examined and found good

The testing Certificate of Chain Cables (admiralty tests) has been produced and examined.

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

If Sheathed, Doubled, Felted, or Coppered Yellow Metal on paper When last done July 1859

I am of opinion this Vessel should be Classed 14 A1

The Amount of the Fee.....£ 5 : : is received by me  
Special .....£ 20 : : from Mr J. Hill  
Certificate .....£ : :  
*Ant. H. Hill*

Committee's Minute 23<sup>rd</sup> August 1859

Character assigned 1 for 14 years

