

IRON SHIPS.

Rec 13/12/64

held at West Hartlepool Date 20th May 1864 1864

Prince Oscar Master Long

1200.65 Built at West Hartlepool When built 1864 Launched 17th Octo. 1864

By whom built Pile Spence & Co Owners J. R. Graves

Port belonging to Liverpool Destined Voyage India

Coat, or in Dry Dock White Lead

Depth from top of Upper Deck Beam to top of Floor 22 ft. 11 inches

Power of Engines none N^o. of Decks Two

Length	Breadth	Depth	Inches required per Rule	16ths required per Rule	10ths required per Rule
220	37	21.74	0 1/2 x 3 9 x 3	9	16

Inches in Ship	Inches required per Rule	16ths required per Rule	10ths required per Rule
10 x 2 1/2	0 1/2 x 3 9 x 3	9	16
10 x 2 5/10	0 1/2 x 3 9 x 3	9	16
10 x 2 1/2	0 1/2 x 3 9 x 3	9	16

Inches in Ship	Inches required per Rule	16ths required per Rule	10ths required per Rule
5 x 3	0 1/6 x 5 3	9	16
3 1/2 x 3	0 1/6 x 3 1/2 3	9	16
24 x 10	10/16 x 24 10	10	16
12 x 10	10/16 x 12 10	10	16
3 1/2 x 3	0 1/6 x 3 1/2 3	9	16
0 1/2 x 10	0 1/2 x 10 9	9	16
3 1/2 x 3	7 x 0 1/6 x 3 1/2 3 1/4 6/16	7	16
0 1/2 x 10	0 1/2 x 10 9	9	16
3 1/2 x 3	7 x 0 1/6 x 3 1/2 3 1/4 6/16	7	16

Inches in Ship	Inches required per Rule	16ths required per Rule	10ths required per Rule
22 x 10	10/16 x 22 17	10	16
16 x 10	10/16 x 16 16	10	16
13 1/2 x 3	10/16 x 13 1/2 3	10	16
5 x 4	10/16 x 5 4 1/2 9/16	10	16

Plates in Garboard Strakes, breadth and thickness 36 inches 13/16 thickness

Ditto from Garboard to upper part of Bilges.. 12/16

.. from upper part of Bilge to a perpendicular height from upper side of Keel of 3/4ths the entire depth of Hold 11/16

.. from 3/4ths depth of Hold to lower edge of Sheerstrake 10/16

.. Sheerstrake, breadth and thickness 36 inches 12/16 thickness

Butt Straps to outside plating, breadth and thickness 10 x 13/16 inches 12/16 thickness

Gunwale Plate or Stringer on ends of Upper Deck Beams, breadth and thickness 36 inches 10/16 thickness

Angle Iron on ditto 5.4 inches 10/16 thickness

Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways 13 inches 10/16 thickness

Diagonal Tie Plates on ditto 13 inches 10/16 thickness

Planksheer, materials and scantlings 10/16 inches 12/16 thickness

Waterway 4 inches 10/16 thickness

Flat of Upper Deck, thickness and material 10/16 inches 12/16 thickness

.. how fastened to Beams 10/16 inches 12/16 thickness

Ceiling betwixt Decks and in Hold, thickness and material 2 inches Red Pine

Clamps or Spirketting ditto 2 inches Red Pine

Stringer Plates on ends of Hold or Lower Deck Beams, breadth and thickness 31 inches 10/16 thickness

Stringer or Tie Plates fore and aft outside Hatchways, on Hold or Lower Deck Beams 13 inches 10/16 thickness

Stringers in Hold 5 inches 10/16 thickness

Flat of Lower Deck, thickness and material 3 inches 10/16 thickness

Main piece of Rudder, diameter at head 6 1/4 inches

.. at heel 3 inches

(Can the Rudder be unshipped afloat Yes)

Bulkheads, N^o. 2 Thickness of 7/16 inches

.. Height up Main Deck

.. how secured to the sides of the ship to double frame

.. size of vertical angle irons 3/4 x 3 1/4 and their distance apart 7/16 inches

The Frames extend in one length from Keel to gunwale

The reverse angle irons on the floors extend in one length across the middle line from top of bilge to top of bilge

.. on the frames from bilge to above hold beam stringer & on all

Keelson, how are the various lengths of plates or angle irons connected? butts shifted & strapped & rivetted

Plates, Garboard, double or rivetted to keel, double or at upper edge, with rivets (1 3/16 ins.) diameter, averaging (4 in.) apart

.. Edges from Garboards to upper part of bilge, worked clencher, double or single rivetted; with rivets (7/16 in.) diameter, averaging (2 3/4 ins.) apart

.. Butts from Keel to turn of bilge, worked carvel with butt straps (10 x 1 1/2) thick, double or single rivetted; with rivets (7/16 in.) diameter averaging (2 3/4 ins.) apart. Do the butt straps lap over and rivet through the lands of the strake below? no

.. Edges from bilge to sheerstrake, worked carvel with a lining piece () thick, or clencher, double or single rivetted; with rivets (7/16 in.) diameter, averaging (2 3/4 in.) apart. Do the butt straps lap over and rivet through the lands of the strake below? no

.. Edges of Sheerstrake, double or single rivetted? At upper edge single At lower edge Double

.. Butts from bilge to planksheers, worked carvel with butt straps (10 x 1 1/2) thick, double or single rivetted; with rivets (7/16 in.) diameter, averaging (2 3/4 ins.) apart. Breadth of laps in double rivetting (5) Breadth of laps in single rivetting (none)

Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted? Double

Planksheer, how secured to the plating of the sides Explain by sketch

Waterway if necessary Gutter waterways, at end ght. & E. Co. B.

Beams, how secured to the side? Beam ends turned & pieces welded

Hold or Lower Deck ditto Same as keels

Paddle No. of breasthooks Five crutches Three

What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.? Good

Manufacturer's name or trade mark Hotley Iron Works, Bolton & Vaughan

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

Builder's Signature Pile Spence & Co Surveyor's Signature J. R. Graves

510-3910

Workmanship. Are the lands or laps of the clenchwork in all cases in breadth at least five and a half times the diameter of the rivets... rivetted edges and butts, and at least three and a quarter times the diameter of the rivets where single rivetting is admitted... Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of the fillings between the ribs and plates fill in solid with single pieces? or are they in short lengths of various thicknesses? Do the holes for rivetting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes well and sufficiently countersunk in the outer plate? All through Are there any rivets which either break into or have been put through the seams or butts of the plating? A few in

Her Masts, Bowsprit, Yards, &c., are in Good condition, and sufficient in size and length. (If they are of Scantlings of Plating, Angle Irons, &c., and further explain by a Sketch showing how the lower Masts and Bowsprit are rivetted, the number of Plates and Angle Irons, mode of rivetting, quality of Materials, and if stamped with Maker's name.)



Fore main & Mizzen Masts of 7/16 plate at wedging tapered single rivetted at edges double do. at butts with 3/4" plates inside 3 1/2 x 3 x 1/16. Bowsprit 7/16 plate single rivetted four angle Irons inside 4 x 3 x 7/16. Fore & main Yards 6/16 plate at center

She has SAILS.

CABLES, &c.

ANCHORS, and their

No.			Fathoms.	Inches	Tested to Tons	
2	Fore Sails,	Chain	300	1 1/2	50	Bowers,
2	Fore Top Sails, & 2 upper	Hempen Stream Cable	60	1 1/16	10	ex. St...
2	Fore Topmast Stay Sails,	Hawser	100	1 1/2	10	Certificates for the
2	Main Sails,	Towlines	90	1 1/2	10	Chain & excision - del. 2
2	Main Top Sails, & 2 upper	Warp	100	7/8	10	at office of the British Consul
and	others as usual	All of Good quality.	100	4 1/2	10	Kedges, ... 2 1/2
	Her Standing and Running Rigging	Wire Hemp & Manila				in quality.
	She has	Two life boats	Long Boat and	Butter & Gigs		
	The present state of the Windlass is	Teak	Capstan	Three hills	and Rudder	Good
						Pumps Three of metal good

Order for Special Survey No. 202 Date 2nd June 1864

Order for Ordinary Survey No. Date

DATES of Surveys held while building as per Section 18.

- 1st. On the several parts of the frame, when in place, and before the plating was wrought
- 2nd. On the plating during the progress of rivetting
- 3rd. When the beams were in and fastened, and before the decks were laid
- 4th. When the ship was complete, and before the plating was finally coated
- 5th. After the ship was launched

Special Survey visited twice each week from the commencement

State if she has a Spar Deck Poop or Forecastle

General Remarks, Has a Forecastle with a deck house aft, & in midships, faces the all to the top height. Plating 6/16ths single rivetted at edges double at butts with 3/4" plates. Beams 7 1/2 x 1/16 built plates double angle iron on top 3 1/2 x 3 x 7/16 stringers on ends 2 1/2 x 1/16. Waterways 6 x 11 teak & ght. Plat of deck 3 in by Pine. Costal Keelsons fitted on each side of middle line plates 2 1/2 x 10/16 double cross 5 x 4 x 10/16. Double angle iron stringer in length 100 ft. fitted to the reverse bars about 4 ft. below hold beams in mid body 5 x 4 x 10/16.

Plating in flat of hold raised up 9 in from the top of reverse bars on floors. Planks being fitted upon their edges bolted down to the above bars & plank set over on top with a view to reducing the tonnage



In what manner are the surfaces preserved from oxidation? Inside Plat cemented with Portland cement other parts with Ditto ditto Outside With three coats of paint

I am of opinion this Vessel should be Classed A grade. The amount of the Fee £ 6 : 0 : 0 is received by me, Special £ 64 : 12 : 0 Certificate (if required) £ :

Committee's Minute 20th Decr 1864

Character assigned B

Genl Comm: Min: 29 Dec. 1864 Rashed to 17

