

IRON SHIPS.

19346

Recd 19/4/65

No. 4944 Survey held at Birkenhead & Lpool Date April 18 18 65
 on the Ship Chusan Master Clayton
 Tonnage Gross 817 ¹⁰⁰ Engine Room 767 ¹⁰⁰ Register 817 ¹⁰⁰ Built at Birkenhead
 When Built 1864 By whom built Clayton Owners British & Eastern Shipping Co. (Limited)
 Belonging to Liverpool Destined Voyage Calcutta
 If ~~raised~~ Afloat or in Dry Dock On the building slips and in Dry Dock.

Length aloft	Feet.	Inches.	Extreme Breadth	Feet.	Inches.	Depth from top of Upper Deck	Feet.	Inches.	Power of Engines	Horse No.
185	8	10	38	4	10	19	5	100	100	6

Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	Inches in Ship	Inches required per Rule	Stem, if bar iron, moulding and thickness	Inches in Ship	Inches required per Rule	Stem, if plate iron, breadth and thickness	Inches in Ship	Inches required per Rule	Stem-post, if bar iron, moulding and thickness	Inches in Ship	Inches required per Rule	Stem-post, if plate iron, breadth and thickness	Inches in Ship	Inches required per Rule
18	18	18	15	15	14 1/2	30	3 1/8	3 1/8	15	15	14 1/2	30	3 1/8	3 1/8
Floors, Size of Angle Iron, and No. one at bottom of Floor Plate	4	3 1/2	3 1/2	4	3	8	8	10 1/8	8	8	10 1/8	8	8	10 1/8
depth and thickness of Floor Plate at mid line	25	25	25	25	25	25	25	25	25	25	25	25	25	25
depth and thickness of Floor Plate at Bilge Keelson	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Size of Reversed Angle Iron, and No. one at top of Floor Plate	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Frames, Size of Angle Iron, single or double	4	3 1/2	3 1/2	4	3	8	8	10 1/8	8	8	10 1/8	8	8	10 1/8
Reversed Iron, if to every frame	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Beams, Deck (No. one at every 3rd frame)	8	8	8	8	8	8	8	8	8	8	8	8	8	8
depth & thickness of plate amidships	8	8	8	8	8	8	8	8	8	8	8	8	8	8
double or single Angle Iron, on lower edge	3	3	3	3	3	3	3	3	3	3	3	3	3	3
average space between	4	4	4	4	4	4	4	4	4	4	4	4	4	4
if wood (No. one sided & moulded)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hold, or Lower Deck (No. one at every 3rd frame)	8	8	8	8	8	8	8	8	8	8	8	8	8	8
depth & thickness of plate amidships	8	8	8	8	8	8	8	8	8	8	8	8	8	8
double or single Angle Iron, on lower edge	3	3	3	3	3	3	3	3	3	3	3	3	3	3
average space between	4	4	4	4	4	4	4	4	4	4	4	4	4	4
if wood (No. one sided & moulded)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Planks, wood, sided and moulded, or if iron, size of Plate	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Keelson, wood, sided & moulded, iron, size of plate, & give sketch & dimensions	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Side or Bilge	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Number	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Transoms, material none or, if none, in what manner compensated for Iron plates and frame.
 Knight-heads Iron and Bulkheads, No. none Thickness of —
 Hawse Timbers — are they free from defects? Yes how secured to the sides of the ship —
 size of vertical angle iron and their distance apart —
 The Frames or Ribs extend in one length from keel to gunwale rivetted through plates with (3/4 in.) rivets, about (5 1/2) apart.
 The reverse angle irons on the floors extend in one length from the middle line to gunwale & alternate frames to upper part of bilge
 Keelson, how are the various lengths of plates or angle irons connected? By butt straps double rivetted, and angle iron stitched
 Plates, Garboard, double or single rivetted to keel & at upper edge, with rivets (— ins.) diameter averaging (— in.) from centre to centre of rivets.
 Edges from Garboards to upper part of bilge, worked carvel with a lining piece (— in.) thick, or clencher, double or single rivetted; rivets (— in.) diameter, averaging (— ins.) from centre to centre of rivets.
 Butts from Keel to turn of bilge, worked carvel with a lining piece (—) thick, double or single rivetted; rivets (— in.) diameter, averaging (— ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below?
 Edges from bilge to planksheer, worked carvel with a lining piece (—) thick, double or single rivetted; rivets (— in.) diameter, averaging (— in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below?
 Butts from bilge to planksheers, worked carvel with a lining piece (—) thick, or clencher, double or single rivetted; rivets (— in.) diameter averaging (— ins.) from centre to centre of rivets. Breadth of laps in double rivetting (—) Breadth of laps in single rivetting (—)
 Planksheer, how secured to the plating of the sides See sketch on the other side.
 Waterway — planksheer and to the Beams if necessary.
 Side trussing — breadth and thickness of plates 7 x 3/16 how secured? 18 pairs (9 pairs in each body) rivetted to frame, and to the lower strake and bilge plates, about 8 feet apart on average.
 Deck trussing 13 x 9/16 3 pairs on each tier of bilge from deck to keelson.
 Deck Beams, how secured to the side? By three plates for each tier of Bilge-iron beams and rivetted to frames.
 Hold or Lower Deck —
 Breasthooks — crutches — how are pointers compensated? all fore and aft pointers
 description of iron is used for the angle iron and plate iron in the vessel? Bladen's Patent Builder's Signature —

