

IRON SHIPS.

No. 18415 Survey held at Ramsey Date July 8, 1863 to Aug 28 1863
 or the ship (name) Ramsey Master J. W. White
 Tonnage Gross Engine Room Register 169 70 Built at Ramsey (Isle of Man)
 when Built 1862-1863 By whom built Libby
 Launched July 1863
 of belonging to
 Fully Liverpool
 If surveyed Afloat or in Dry Dock while building and afloat

Length aloft	Feet.	Inches.	Extreme Breadth	Feet.	Inches.	Depth from top of Upper Deck Beam to top of Floor	Feet.	Inches.	Power of Engines	Horse No.
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	18.	20								
Floors, Size of Angle Iron, and No. near bottom of Floor Plate	4 3	7 4 3								
" depth and thickness of Floor Plate at mid line	29 "	9 19 -								
" depth and thickness of Floor Plate at Bilge Keelson	4 1/2 "	9 -								
" Size of Reversed Angle Iron, and No. near at top of Floor Plate	3 2 3/4	6 3 2 3/4								
Frames, Size of Angle Iron, single or double	4 3	7 4 3								
" Reversed Iron, if to every frame or every frame	3 2 3/4	6 3 2 3/4								
Beams, Deck (No. 56) double Angle Iron or Bulb Iron with double Angle Iron on top	32 2 1/2	6 3 1/2 2 1/2								
" depth & thickness of plate amidships	8 "	7 8 "								
" double or single Angle Iron on lower edge	- - -	- - -								
" average space between	3 ft	- 3 ft 4								
" if wood (No.) sided & moulded	- - -	- - -								
" Hold, or Lower Deck (No. 14) double Angle Iron or Bulb Iron with double Angle Iron on top	3 2 2	6 3 1/2 2 1/2								
" depth & thickness of plate amidships	8 "	9 8 "								
" double or single Angle Iron on lower edge	- - -	- - -								
" average space between	3 ft	- 3 ft 4 in								
" if wood (No.) sided & moulded	- - -	- - -								
Paddle, wood, sided and moulded or if Iron, size of Plate	- - -	- - -								
" Engine	- - -	- - -								
Keelson, wood, sided & moulded, iron, size of plate, if Box, give sketch & dimensions	24 "	9 13 -								
" Side or Bilge	4 1/2 3 1/2	7 4 2 3 1/2								
" Number	4 1/2 3 1/2	7 4 2 3 1/2								

Transoms, material or, if none, in what manner compensated for. by 2 plates and frames

Knight-heads " 300 Bulkheads, N°. 4 Thickness of 6 1/2
 Hawse Timbers " are they free from defects? " how secured to the sides of the ship by double plates
 " " " " size of vertical angle iron and their distance apart 3 x 2 3/4 x 6 1/2, 2 ft 1 in apart

The Frames or Ribs extend in one length from Hull to Gunwale riveted through plates with (3/4 in.) rivets, about () apart.

The reverse angle irons on the floors extend in one length across the middle line from 3 ft to end from transom to the gunwale
 " " " " on the frames " " " from extend in to end from transom to the gunwale

Keelson, how are the various lengths of plates or angle irons connected? by angle iron riveted double with 7/8 rivets, back to back

Plates, Garboard, double or single-riveted to keel & at upper edge, with rivets (1 3/8 ins.) diameter averaging (4 in.) from centre to centre of rivet.

" Edges from Garboards to upper part of bilge, worked carvel with a lining piece () thick, or clench, double or single-riveted; rivets (1/2 in.) diameter, averaging (2 1/2 ins.) from centre to centre of rivets.

" Butts from Keel to turn of bilge, worked carvel with a lining piece () thick, double or single-riveted; rivets (3/4 in.) diameter, averaging (2 1/2 ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the stake below?

" Edges from bilge to planksheer, worked carvel with a lining piece () thick, double or single-riveted; rivets (3/4 in.) diameter, averaging (2 1/2 ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the stake below?

" Butts from bilge to planksheer, worked carvel with a lining piece () thick, or clench, double or single-riveted; rivets (3/4 in.) diameter, averaging (2 1/2 ins.) from centre to centre of rivets. Breadth of laps in double rivetting (4) Breadth of laps in single rivetting (3)

Planksheer, how secured to the plating of the sides Explain by sketch, with angle iron riveted to outside, taking

Waterway " " planksheer and to the Beams if necessary, and stringer plate & down bolts through beam

Side trussing breadth and thickness of plates how secured? and stringer plates

Deck trussing 12 x 9 1/2 " " ? riveted to deck beams

Deck Beams, how secured to the side? by having the ends turned down to form a knee, which is riveted to the gunwale

Hold or Lower Deck " by plate knees, riveted to beams and frames.

Paddle "

No. of breasthooks crutches how are pointers compensated? by frames & plates

What description of iron is used for the angle iron and plate iron in the vessel? Malleable Leadwood &c Builder's Signature *Wm. Gibson* *Wm. Gibson*



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Work
Are the lands or laps of the clenchwork in all cases in breadth at least five times the diameter of the rivets in double riveted
parts and butts, and at least three times the diameter of the rivets where single rivetting is admitted? yes

Do the edges of the carvel work and of the butts fay close together throughout their length without requiring any making good of deficiencies? yes

Do the fillings between the ribs and plates fill in solid with single pieces, or are they in short lengths of various thicknesses? Solid with single pieces

Do the holes for rivetting plate to frames, lining pieces, or plate to plate, &c., conform well to each other? yes and are the rivet holes
well and sufficiently countersunk in the outer plate? yes

Are there any rivets which either break into or have been put through the seams or butts of the plating? slightly way

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

She has SAILS.

N°.	CABLES, &c.
2	Fore Sails, <i>Masten Cufijecto perseguido long</i>
1	Fore Top Sails, Chain 30 cwt. to 40 cwt.
2	Fore Topmast Stay Sails, Hempen Stream Cable
1	Main Sails, Hawser
2	Main Top Sails, Towlines
	Warp
	All of <u>good</u> quality.

and will found in other
sails

ANCHORS, and their weights.

N°.	Weight
3	13-1-4
	22-1-7
	21-0-14
1	9-1-14
2	4-2-0
	2-2-0

Her Standing and Running Rigging size & shape sufficient in size and good in quality.

She has one Long Boat and two others

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

General Remarks, Statement and Date of Repairs, extent of corrosion (if any) both internally and externally, and condition of rivets.

- DATES of Surveys held while building, as per Section 17. { 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 while building & outfit
 4th. When the ship was complete, and before the plating was finally coated _____
 5th. After the ship was launched _____

The Pamsey was built on the principle of Towell's Patent - She has a fore and aft bulkhead at the middle line, extending up to the top of the hold beams $\frac{1}{4}$ in thick, stayed by angle iron $4 \times 3 + 7/16$, 3 feet apart, and a lower deck of iron plates $\frac{1}{4}$ in thick, water tight - This Patent has been withheld in consequence of not obtaining a full account of the stress, as in the case of the sloop "Jane". and I respectfully submit whether she should not be classed as stated below. As the fore and aft middle line bulkhead extends from the top of floors to the lower deck beams; and the lower deck being of iron and made perfectly water tight all fore and aft, and the various stanchings of the vessel throughout being fully up to the requirements of of Table 8 I am of opinion that it fully compensates for the vessel being in length above ten times her depth, especially - her breadth ~~77 times~~ being in proportion of the Rule -

With regard to the spacing of the frames, I have taken the Rule 20 inches from centre to centre, which would make the beams 3 feet 4 inches apart

In what manner are the surfaces preserved from oxidation? by Paint

I am of opinion this Vessel should be classed A 1 for 12 years

The amount of the Fee £ 5 : - : - is received by me,

Special £ 34 : 10 : - 20/10/63

Certificate (if required) £ 2 Garter

W. H. M.

J. M. M.

Committee's Minute 23rd October 1863
50th October 1863

Character assigned A 1 for 12 Years

Referred
make Spec

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