

IRON SHIPS.

Amended report put away 21/11/47

No. 246 Survey held at Neath Date 6th of October 1847
on the Talbot Screw Steam Vessel Master Wm Jenkins
Tonnage—Gross 99 ¹⁷⁵⁰/₃₅₀₀ Engine Room 30⁷/₁₀ Register 40 Tons Built at Neath
When built 1847 By whom built Neath Abbey Iron Company Owners Port Talbot & Bristol Steam Vessel
Port belonging to Swansea Destined Voyage Bristol Packet Company
If Surveyed Afloat or in Dry Dock While Building

| Length aloft | Feet. | Inches. | Extreme Breadth | Feet. | Inches. | Depth from Beam to top of Floor | Feet. | Inches. | Power of Engines | Horse. No. |
|--|-------|---------|-----------------|-------|---------|---|--------------|---------|------------------|------------|
| | 134 | 6 | | 17 | 0 | | 9 | 4 | | 120 |
| Distance between Floors amidships | 1 | 8 | | | | Stem, if bar iron, moulding and thickness | 5 1/2 | 3 | | |
| " " " forward and aft | 1 | 10 | | | | " if plate iron, breadth and thickness | | | | |
| " " Ribs amidships | 1 | 8 | | | | Stern-post, if bar iron, moulding and thickness | 4 1/2 | 4 1/2 | | |
| " " " forward and aft | | | | | | " if plate iron, breadth and thickness | | | | |
| Floors, Size of Angle Iron, and No. at | | | | | | Keel, if bar iron, depth and thickness | | | | |
| bottom of Floor Plate | 3 1/2 | 2 1/2 | 3 | | | " if plate iron, breadth and thickness | 21 | 3/8 | | |
| " depth & thickness of Plate at mid line | 10 | | 5/16 | | | Garboard Plates, thickness | | | | |
| " " " at turn of bilge | 2 1/2 | 2 1/2 | | | | " to bilge | | | | |
| " Size of Reversed Angle Iron, and | 2 1/2 | | 5/16 | | | Bilge | | | | |
| No. / at top of Floor Plate | | | | | | " to Wales | | | | |
| Ribs, Size of Angle Iron, single or double | 3 1/2 | 2 1/2 | 3 | | | Wales | | | | |
| " " Reversed Iron, if to every frame | | | | | | Topsides | | | | |
| or every frame | | | | | | Sheer-strakes | | | | |
| Beams, Deck (N ^o . 36) double or single | | | | | | Planksheers | | | | |
| Angle Iron | | | | | | Gunwale Plate or Stringer | | | | |
| " depth & thickness of Plate amidships | 4 1/2 | | 3 | | | Waterway | | | | |
| " double or single Angle Iron, | | | | | | Deck | | | | |
| on lower edge | | | | | | Ceiling in flat | American Oak | 2 1/2 | | |
| " average space between | 3-5 | | | | | Bilge Planks inside | | | | |
| " if wood (N ^o .) sided & moulded | | | | | | Ceiling from Bilge to Clamps | | | | |
| " Hold, (N ^o .) double or single | | | | | | Hold Beam Clamps | | | | |
| Angle Iron | | | | | | " Shelf | | | | |
| " depth & thickness of Plate amidships | | | | | | " Stringers | | | | |
| " double or single Angle Iron, | | | | | | Ceiling between Decks | | | | |
| on lower edge | | | | | | Stringers | | | | |
| " average space between | | | | | | Deck Beam Clamps | | | | |
| " if wood (N ^o .) sided & moulded | | | | | | " Shelf | | | | |
| " Paddle, wood, sided and moulded | | | | | | Stringers in Hold | | | | |
| or if Iron, size of Plate | | | | | | Deck, Lower | | | | |
| " Engine | | | | | | | | | | |
| Keelson, wood, sided & moulded, iron, size of | | | | | | | | | | |
| plate, if Box, give sketch & dimensions | | | | | | | | | | |
| " Side or Bilge | 4 1/2 | | 3 | | | | | | | |
| " Number | 5 | | | | | | | | | |

Transoms, material 3 1/2 by 2 1/2 or, if none, in what manner compensated for.

Knight-heads none

Hawse Timbers none } are they free from defects?

The Ribs extend in one length from Keelson to Deck rivetted through plates with (3/4 in.) rivets, about (7 in.) apart.

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

" " " on the ribs " " " from Bilge to Bilge

Keelson, if wood, length of scarp none if iron, how are the various lengths connected? About 6 feet past each other

Plates, Garboard, double or single rivetted to keel, with rivets (3/4 ins) diameter, averaging (2 1/4 in.) from centre to centre of rivet.

" edges from Garboards to turn of bilge, worked carvel with a lining piece (3/8 in.) thick, or clencher, double or single rivetted; rivets (3/4 in.) diameter, averaging (2 1/4 ins.) from centre to centre of rivets.

" butts from Garboards to turn of bilge, worked carvel with a lining piece (3/8 in.) thick, double or single rivetted; rivets (3/4 in.) diameter, averaging (2 1/4 ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? No

" edges from bilge to wales, worked carvel with a lining piece (3/8 in.) thick, or clencher, double or single rivetted; rivets (3/8 in.) diameter, averaging (2 1/2 ins.) from centre to centre of rivets.

" butts from bilge to wales, worked carvel with a lining piece (3/8 in.) thick, double or single rivetted; rivets (3/8 in.) diameter, averaging (2 1/2 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? No

" edges of wales and to planksheers, worked carvel with a lining piece (3/8 in.) thick, or clencher, double or single rivetted; rivets (3/8 in.) diameter, averaging (2 1/2 ins.) from centre to centre of rivets.

Planksheer, how secured to the plating of the sides

Waterway 18 " by 7/16 planksheer and to the beams

Side trussing none breadth and thickness of plates

Deck trussing

Deck Beams, how secured to the side Plate knees

Hold " " } none

Paddle " " }

No. of breasthooks One crutches One how are pointers compensated? Bar Iron one on each side

What description of iron is used for the angle iron and bar iron in the vessel? Shropshire best

Builder's Signature.

Workmanship. Are the lands or laps of the clench work in all cases sufficiently wide to take the rivets and support the strain on them? *they are*
Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies? *yes*
Do the fillings between the ribs and plates fill in all solid with sliver pieces, or are they in short lengths? *they are in short lengths*
Do the holes for rivetting plate to lining piece, or plate to plate, &c. answer well to each other? *they do* and are the rivet holes well and sufficiently counter sunk in the outer plate? *they are*
Are there any rivets which either break into or have been put through the seams or butts of the plating? *No*
Was the plating caulked internally in the wake of the frames or ribs? *yes-*

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

| She has SAILS. | | | CABLES, &c. | | ANCHORS, and their weights. | |
|----------------|--|------------|---------------------------------|--------------|-----------------------------|--------------------------|
| No. | | Fathoms. | | Inches. | No. | |
| <i>One</i> | Fore Sails, | <i>70</i> | Chain <i>Each - 2 No.</i> | <i>3 1/4</i> | <i>2</i> | Bowes <i>Each 5-0-0</i> |
| <i>One</i> | Fore Top Sails, <i>fib</i> | <i>100</i> | Hempen Stream Cable | <i>6</i> | <i>1</i> | Stream, — — <i>2-2-0</i> |
| <i>One</i> | Fore Topmast Stay Sails, | | Hawsers <i>2 No.</i> | <i>4 1/2</i> | <i>1</i> | Kedge, — — <i>1-0-0</i> |
| <i>One</i> | Main Sails, | | Towlines } <i>Sufficient</i> | | | |
| <i>One</i> | Main Top Sails, <i>Mizen sail</i> | | Warp | | | |
| and | | | All of <i>the Best</i> quality. | | | |

Her Standing and Running Rigging is sufficient in size and Good in quality.

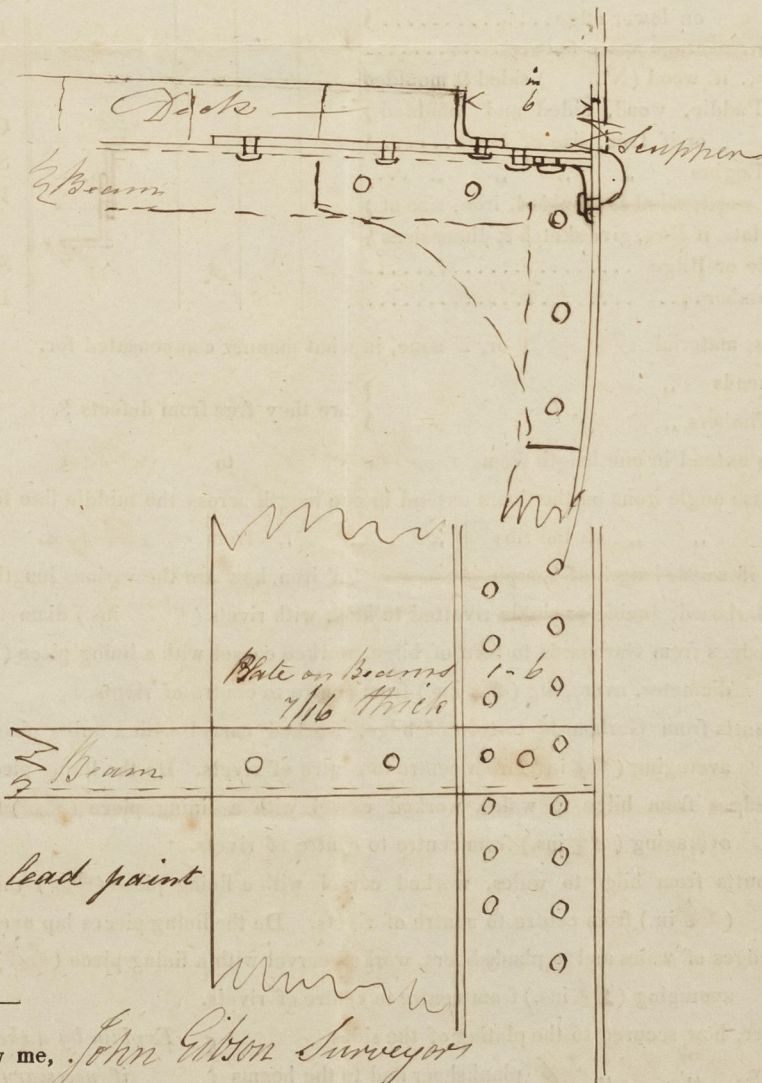
She has One Long Boat and One Jolly Boat

The present state of the Windlass is Good ~~Capstan~~ and Rudder Good Pumps Engine
2^d Copper 1 No

GENERAL REMARKS.

Statement and date of repairs; extent of corrosion (if any) both internally and externally; and condition of rivets.

The Beams are well secured to the side, by a Plate riveted on the Beams 1 foot 6 in. Broad, that forms the Waterway, & on Iron plate knee to every other Beam, the Main Hatchway is twelve feet Long & the half Beams has got a plate knee, the same as the whole Beams.



In what manner are the surfaces preserved from oxidation? Red lead paint

I am of opinion this Vessel should be Classed A1

The Amount of the Fee.....£ 1 : 0 : 0 is received by me, John Gibson Surveyor

Special£ : :

Certificate (if required)£ 0 : 5 : 0

Committee's Minute.....184

Character assigned.....



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