

IRON SHIP.

No. 1138 Survey held at Middlesbrough Date, First Survey 14th May 1892 Last Survey 8th Jan 1893

On the Screw Steamer "Penelope" Yard Number 88 Master W. H. Wilson

TONNAGE under
Tonnage Deck 246.23
Ditto of T'rd, Spar, or Awning Deck. 248.39
Ditto of Poop, or Raised Qr. Dk. 1.95
Ditto of Houses on Deck 23.98
Ditto of Forecastle 1250.51
Gross Tonnage 1203.95
Less Crew Space 100.16
Less Engine Room 803.49
Register Tonnage as per Beam 803.49

ONE, OR TWO DECKED, THREE DECKED VESSEL.
SPAR, OR AWNING-DECKED VESSEL.

HALF BREADTH (moulded) 15.810

DEPTH from upper part of Keel to top of Upper Deck Beams 20.50

GIRTH of Half Midship Frame (as per Rule) 32.00

1st NUMBER 64.96

1st NUMBER, if a THREE-DECKED VESSEL deduct 7 feet 57.96

LENGTH 228.58

2nd NUMBER 155.38

PROPORTIONS Over 11

Depths to Length—Upper Deck to Keel 4

Main Deck ditto 11

Built at Middlesbrough

When built 1892 Launched 3rd Nov 1892

By whom built Blackhouse & Lyon

Owners Banks

Port belonging to London

Destined Voyage and

If Surveyed while Building, Afloat, or in Dry Dock.

LENGTH on deck as per Rule 230.0 BREADTH—Moulded 31.0 DEPTH top of Floors to Upper Deck Beams 19.0 Power of Engines 150 Horse. N° of Decks with flat laid one N° of Tiers of Beams two

Dimensions of Ship per Register, length, 230 breadth, 31 depth, 18.1

KEEL, depth and thickness See plan
STEM, moulding and thickness 8 x 2 1/2
STERN-POST for Rudder do. do. 8 x 5
for Propeller 8 x 5
Distance of Frames from moulding edge to moulding edge, all fore and aft 23

FRAMES, Angle Iron, for 1/2 length amidships 4 x 3 1/2
Do. for 1/4 at each end 4 x 3 1/2

REVERSED FRAMES, Angle Iron 4 x 3 1/2

FLOORS, depth and thickness of Floor Plate at mid line for half length amidships 19
thickness at the ends of vessel 19
depth at 1/2 the half-bdth. as per Rule 9 1/2
height extended at the Bilges 9 1/2

BEAMS, Upper, Spar, or Awning Deck 38
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron 1 1/2
Single or double Angle Iron on Upper edge 3
Average space 46

BEAMS, Main or Middle Deck 46
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron 1 1/2
Single, or double Angle Iron, on Upper Edge 3
Average space 46

BEAMS, Lower Deck, Hold or Orlop 4 1/2
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron 1 1/2
Single or double Angle Iron on Upper Edge 3
Average space 46

KEELSONS Centre line, single or double plate, box, or intercostal, Plates See section
" Rider Plate See section
" Bulb Plate to intercostal Keelson See section
" Angle Irons 5
" Double Angle Iron Side Keelson 5
" Side intercostal Plate 5
" do. Angle Irons 5
" Attached to outside plating with angle iron See section

BILGE Angle Irons 5
" do. Bulb Iron 4 1/2
" do. Intercostal plates riveted to plating for length 4 1/2

BILGE STRINGER Angle Irons 5
Intercostal plates riveted to plating for length 4 1/2

SIDE STRINGER Angle Irons 5

Transoms, material. Knight-heads. Hawse Timbers. Plating and angles

Windlass Sabatier Pall Bitt See plan

The **FRAMES** extend in one length from Keel to gunwale

The **REVERSED ANGLE IRONS** on floors and frames extend across middle line to Hold Beams and to Upper Deck alternately

KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? Yes And butts properly shifted? Yes

PLATING. Garboard, double riveted to Keel, with rivets 1/2 in. diameter, averaging 5 1/8 ins. from centre to centre.

Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 1/2 in. diameter, averaging 3 1/2 ins. from centre to centre.

Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 1/2 in. diameter averaging 3 1/2 ins. from centre to centre.

Butts of Three Strakes at Bilge for one-half length, treble riveted with Butt Straps 1/16 thicker than the plates they connect.

Edges from bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 3/4 in. diameter, averaging 3 3/8 ins. from cr. to cr.

Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 3/4 in. diameter, averaging 3 3/8 ins. from cr. to cr.

Edges of Main Sheerstrake, double or single riveted. Upper Sheerstrake, double or single riveted.

Butts of Main Sheerstrake, treble riveted for length amidships. Butts of Upper or Spar Sheerstrake, treble riveted 1/2 length amidships.

Butts of Main Stringer Plate, treble riveted for length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for 1/2 length.

Breadth of laps of plating in double riveting 4 3/4 Breadth of laps of plating in single riveting 2 3/4 at ends

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? and

Waterway, how secured to Beams Gutter (Explain by Sketch, if necessary.)

Beams of the various Decks, how secured to the sides? Beam ends lashed & secured by Breasthooks, Braces, Crutches, &c.

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

Manufacturer's name or trade mark, Hopkins & Co. & B. & B. & B.

The above is a correct description.

Builder's Signature, W. H. Wilson Surveyor's Signature, W. H. Wilson

Flat Keel Plates, breadth and thickness 30

PLATES in Garboard Strakes, breadth and thickness from Garboard to upper part of Bilges of doubling at Bilge, or increased thickness, and length applied for 1/2 length fm up. part of Bilge to lr. edge of Sh'rstrake

Main Sheerstrake, breadth and thickness of d'bling at Sh'rstrake, & length applied from Mn. to Up. or Spar Dk. Sh'rstrake.

Up. or Spar Dk Sh'rstrake, brdth & thickness

Butt Straps to outside plating, breadth & thickness

Lengths of Plating 145

Shifts of Plating, and Stringers 115

Gunwale Plate on ends of Awning, Spar, or Upper Deck Beams, breadth and thickness 38.24 x 9.5

Angle Iron on ditto 5 x 3 1/2 x 9/16

Tie Plates fore and aft, outside Hatchways 11

Diagonal Tie Plates on Beams No. of Pairs, 11

Planksheer material and scantling Gutter

Waterways do. do. See section

Flat of Upper Deck do. do. 4 x 4.5

How fastened to Beams G.S.R. 3. 9/16

Stringer Plate on ends of Main or Middle Deck Beams, breadth and thickness See section

Is the Stringer Plate attached to the outside plating? Yes

Angle Irons on ditto, No. See section

Tie Plates, outside Hatchways See section

Diagonal Tie Plates on Beams, No. of pairs See section

Waterways materials and scantlings See section

Flat of Middle Deck do. do. See section

How fastened to Beams See section

Stringer Plates on ends of Lower Deck, Hold or Orlop Beams 28.22 x 8 1/2

Is the Stringer Plate attached to the outside plating? Yes

Angle Irons on ditto, No. See section

Stringer or Tie Plates, outside Hatchways See section

Flat of Lower Deck See section

Ceiling betwixt Decks, thickness and material 2 1/2 R.P.

in hold do. do. 2 1/2 R.P.

Main piece of Rudder, diameter at head 3 3/4

do. at heel 3

Can the Rudder be unshipped afloat? Yes

Bulkheads No. 4 Thickness of 10/16

Height up Main Deck

How secured to sides of ship Double frames

Size of Vertical Angle Irons 3 x 3 x 9/16 and distance apart 30 ins.

Are the outside Plates doubled two spaces of Frames in length? Yes

Riveted through plates with 3/4 in. Rivets, about 1/2 apart.

Hold Beams and to Upper Deck alternately

And butts properly shifted? Yes

Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 1/2 in. diameter, averaging 3 1/2 ins. from centre to centre.

Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 1/2 in. diameter averaging 3 1/2 ins. from centre to centre.

Butts of Three Strakes at Bilge for one-half length, treble riveted with Butt Straps 1/16 thicker than the plates they connect.

Edges from bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 3/4 in. diameter, averaging 3 3/8 ins. from cr. to cr.

Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 3/4 in. diameter, averaging 3 3/8 ins. from cr. to cr.

Edges of Main Sheerstrake, double or single riveted. Upper Sheerstrake, double or single riveted.

Butts of Main Sheerstrake, treble riveted for length amidships. Butts of Upper or Spar Sheerstrake, treble riveted 1/2 length amidships.

Butts of Main Stringer Plate, treble riveted for length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for 1/2 length.

Breadth of laps of plating in double riveting 4 3/4 Breadth of laps of plating in single riveting 2 3/4 at ends

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? and

Waterway, how secured to Beams Gutter (Explain by Sketch, if necessary.)

Beams of the various Decks, how secured to the sides? Beam ends lashed & secured by Breasthooks, Braces, Crutches, &c.

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

Manufacturer's name or trade mark, Hopkins & Co. & B. & B. & B.

The above is a correct description.

Builder's Signature, W. H. Wilson Surveyor's Signature, W. H. Wilson

State also Length and Diameter of Lower Masts and Bowsprit *M. Mast 59' x 19" & S. Mast 62' x 19"*

