

# IRON SHIP.

No. 8028 Survey held at *Greenock and Port Glasgow* Date, First Survey *14 January* Last Survey *13 July* 1881

On the

TONNAGE under  
Tonnage Deck  
Ditto of Third, Spar,  
or Awning Deck.  
Ditto of Popp, or  
Raised Q. Bk.  
Ditto of Houses  
on Deck  
Ditto of Forecastle  
Gross Tonnage  
Less Crew Space

1500.01  
80.39  
35.6  
42.19  
1658.19  
73.87

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

Half Breadth (moulded) ... 19.0  
Depth from upper part of Keel to top of Upper Deck Beams ... 35.0  
Girth of Half Midship Frame (as per Rule) ... 39.68  
1st Number ... 83.68  
1st Number, if a 3-Decked Vessel ... deduct 7 feet  
Length ... 245.5  
2nd Number ... 20543.4  
Proportions— Breadths to Length ... 6.46  
Depths to Length—Upper Deck to Keel ... 9.8  
Main Deck ditto ...

Master

Built at

When built

By whom built

Owners

Residence

Port belonging to

Destined Voyage

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

*While building & afloat.*

Official Number

LENGTH on deck as per Rule ...

Feet. Inches. 245 6

BREADTH—Moulded ...

Feet. Inches. 38 0

DEPTH top of Floors to Upper Deck Beams ...

Feet. Inches. 22 11/2

Power of Engines ...

Horse.

No. of Decks with flat laid One  
No. of Tiers of Beams Two

Dimensions of Ship per Register, length 258.8 breadth 38.3 depth 21.75

	Inches in Ship.	Inches per Rule.	Inches in Ship.	Inches per Rule.	Inches in Ship.	Inches per Rule.
KEEL, depth and thickness ...	9 1/2 x 2 1/2	9 1/2 x 2 1/2	9 x 2 1/2	9 x 2 1/2	9 x 2 1/2	9 x 2 1/2
STEM, moulding and thickness ...	9 x 2 1/2	9 x 2 1/2	9 x 2 1/2	9 x 2 1/2	9 x 2 1/2	9 x 2 1/2
STERN-POST for Rudder do. do. ...	9 x 2 1/2	9 x 2 1/2	9 x 2 1/2	9 x 2 1/2	9 x 2 1/2	9 x 2 1/2
" " for Propeller ...						
Distance of Frames from moulding edge to moulding edge, all fore and aft ...	24	24				
FRAMES, Angle Iron, for 2/3 length amidships ...	5 3/4 x 8	5 3/4 x 8	5 3/4 x 7	5 3/4 x 7	5 3/4 x 8	5 3/4 x 8
Do. for 1/3 at each end ...	5 3/4 x 7	5 3/4 x 7	5 3/4 x 8	5 3/4 x 8	5 3/4 x 7	5 3/4 x 7
REVERSED FRAMES, Angle Iron ...	3 1/2 x 8	3 1/2 x 8	3 1/2 x 7	3 1/2 x 7	3 1/2 x 8	3 1/2 x 8
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships ...	2 1/2	2 1/2	10	10	2 1/2	2 1/2
" thickness at the ends of vessel ...			8	8		
" depth at 3/4 the half-bdth. as per Rule ...	12 1/2	12 1/2			12 1/2	12 1/2
" height extended at the Bilges ...	49	49			49	49
BEAMS, Upper, Spar, or Awning Deck Single or d'ble Ang. Iron, Plate or Tee Bulb Iron ...	9	9	9	9	9	9
Single or double Angle Iron on Upper edge ...	3 1/2 x 3	3 1/2 x 3	7	7	3 1/2 x 3	3 1/2 x 3
Average space ...	48	48			48	48
BEAMS, Main, or Middle Deck Single or d'ble Ang. Iron, Plate or Tee Bulb Iron ...						
Single, or double Angle Iron, on Upper Edge ...						
Average space ...						
BEAMS, Lower Deck Single or d'ble Ang. Iron, Plate or Tee Bulb Iron ...						
Single or double Angle Iron on Upper Edge ...						
Average space ...						
BEAMS, Hold, or Orlop Single or d'ble Ang. Iron, Plate or Tee Bulb Iron ...	9	9	9	9	9	9
Single or double Angle Iron on Upper Edge ...	3 1/2 x 3	3 1/2 x 3	7	7	3 1/2 x 3	3 1/2 x 3
Average space ...	48	48			48	48
KEELSONS Centre line, single or double plate, box, or Intercoastal Plates ...	18	18	13	13	18	18
" Rider Plate ...	12	12	13	13	12	12
" Bulb Plate to Intercoastal Keelson ...	5 1/2 x 4	5 1/2 x 4	9	9	5 1/2 x 4	5 1/2 x 4
" Angle Irons ...	5 1/2 x 4	5 1/2 x 4	9	9	5 1/2 x 4	5 1/2 x 4
" Double Angle Iron Side Keelson ...			8	8		
" Side Intercoastal Plate ...						
" do. Angle Irons ...	3 1/2 x 3 1/2	3 1/2 x 3 1/2	8	8	3 1/2 x 3 1/2	3 1/2 x 3 1/2
" Attached to outside plating with angle iron ...	5 1/2 x 4	5 1/2 x 4	9	9	5 1/2 x 4	5 1/2 x 4
BILGE Angle Irons ...	5 1/2 x 4	5 1/2 x 4	9	9	5 1/2 x 4	5 1/2 x 4
" do. Bulb Iron ...						
" do. Intercoastal plates riveted to plating for length ...	5 1/2 x 4	5 1/2 x 4	9	9	5 1/2 x 4	5 1/2 x 4
BILGE STRINGER Angle Irons ...	5 1/2 x 4	5 1/2 x 4	9	9	5 1/2 x 4	5 1/2 x 4
Intercoastal plates riveted to plating for length ...						
SIDE STRINGER Angle Irons ...	5 1/2 x 4	5 1/2 x 4	9	9	5 1/2 x 4	5 1/2 x 4

Flat Keel Plates, breadth and thickness ...	36	12	36	12
PLATES in Garboard Strakes, br'dth & thickness ...	10 1/2	10 1/2	10 1/2	10 1/2
" From Garboard to upper part of Bilges ...				
" Of d'bling at Bilge, or increased thickness, and length applied 3 Strakes to ...	10 1/2	10 1/2	10 1/2	10 1/2
" From up. prt of Bilge to lr. edge of Sh'rstrake ...	40	13	40	13
" Main Sheerstrake, breadth and thickness ...				
" Of d'bling at Sh'stk. & lng. applied ...				
" From M'n. to Up. or Spar Dk. Sh'rstrake ...	11 1/2 x 16 3/4	11 1/2 x 16 3/4	11 1/2 x 16 3/4	11 1/2 x 16 3/4
" Up. or Spar Dk Sh'rstrake, br'dth & thckn'ss ...	10 1/2 x 11 1/2	10 1/2 x 11 1/2	10 1/2 x 11 1/2	10 1/2 x 11 1/2
Butt Straps to outside plating, breadth & thickness ...	5 1/2	5 1/2	5 1/2	5 1/2
Lengths of Plating ...	2 1/2	2 1/2	2 1/2	2 1/2
Shifts of Plating, and Stringers ...	2 1/2	2 1/2	2 1/2	2 1/2
Gunwale Plate on ends of Awning, Spar, or Upper Deck Beams, breadth and thickness ...	36	10	36	10
Angle Iron on ditto ...	5 1/2 x 4 x 9	5 1/2 x 4 x 9	5 1/2 x 4 x 9	5 1/2 x 4 x 9
Tie Plates fore and aft, outside Hatchways ...	14	10	14	10
Diagonal Tie Plates on Beams No. of Pairs ...	14	10	14	10
Flat of Up., Spar, or Awning Dk. ...	4	4	4	4
How fastened to Beams ...	8	8	8	8
Stringer Plate on ends of Main or Middle Deck Beams, breadth and thickness ...				
Is the Stringer Plate attached to the outside plating? ...				
Angle Irons on ditto, No. ...				
Tie Plates, outside Hatchways ...				
Diagonal Tie Plates on Beams, No. of pairs ...				
Flat of Middle Deck* do. do. ...				
How fastened to Beams ...				
Stringer Plates on ends of Lower Deck, Hold or Orlop Beams ...	35	9	35	9
Is the Stringer Plate attached to the outside plating? ...	Yes	Yes	Yes	Yes
Angle Irons on ditto, No. ...	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9
Stringer or Tie Plates, outside Hatchways ...	14	10	14	10
Flat of Lower Deck* ...				
Ceiling betwixt Decks, thickness and material ...	2	2	2	2
" in hold do. do. ...	2 1/2	2 1/2	2 1/2	2 1/2
Main piece of Rudder, diameter at head ...	6 1/4	6 1/4	6 1/4	6 1/4
" do. at heel ...	3 1/4	3 1/4	3 1/4	3 1/4
Can the Rudder be unshipped afloat? ...	Yes	Yes	Yes	Yes
Bulkheads No. ...	One	One	One	One
" Thickness of ...	7 1/2	7 1/2	7 1/2	7 1/2
" Height up ...	upper deck	upper deck	upper deck	upper deck
" How secured to sides of ship ...	Double Frames	Double Frames	Double Frames	Double Frames
" Size of Vertical Angle Irons ... and distance apart ...	3 1/2 x 3 1/2 x 8	3 1/2 x 3 1/2 x 8	3 1/2 x 3 1/2 x 8	3 1/2 x 3 1/2 x 8
" Are the outside Plates doubled two spaces of Frames in length? ...	Yes	Yes	Yes	Yes

The FRAMES extend in one length from *Keel* to *gunwale* Riveted through plates with *7/8* in. Rivets, about *2* in. apart.

The REVERSED ANGLE IRONS on floors and frames extend *from middle line to upper Dk Stringer and to every frame 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 1/8* 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 *7/8* in. diameter, averaging *3 1/2* ins. from centre to centre.

" Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets *7/8* in. diameter averaging *5 1/2* ins. from centre to centre.

" Butts of *three* Strakes at Bilge for *half* length, treble riveted with Butt Straps *1/16* in. thicker than the plates they connect.

" Edges from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets *7/8* in. diameter, averaging *3 1/2* ins. from cr. to cr.

" Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets *7/8* in. diameter, averaging *3 1/2* 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 *half* length amidships. Butts of Upper or Spar Sheerstrake, treble riveted *1/2* length amidships.

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

" Butts of Main Stringer Plate, treble riveted for *half* length amidships. Breadth of laps of plating in single riveting *5 1/2* ins.

" Breadth of laps of plating in double riveting *5 1/2* ins. Breadth of laps of plating in single riveting *5 1/2* ins. No. of Breasthooks, *Three* Crutches, *Three*

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

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

Manufacturer's name or trade mark, *Angels & Bulbs. Dorman, Hoyle & Co. Plates Stockton Iron Co*

The above is a correct description.

Builder's Signature, *Russell & Co* Surveyor's Signature, *L. A. Smith*

Surveyor to Lloyd's Register of British and Foreign Shipping.

(Form No. 1 for Iron Ships—1000—24/5/81.)

\* If Iron Deck, state if whole or part, and if wood deck is laid thereon.



