

# Steel SHIP.

No. 4665 Survey held at **Dundee**  
On the **S.S. Ruby**

Date, First Survey **14<sup>th</sup> Dec. 1882** Last Survey **13<sup>th</sup> October 1883**

**Tonnage under Tonnage Deck** 1245.61  
Ditto of Third, Spar, or Avning Deck }  
Ditto of Poop, or Raised Or. Dk. }  
Ditto of Houses on Deck } **10.85**  
Ditto of Forecastle }  
**Gross Tonnage** 1256.46  
Less Crew Space **42.5**  
**1213.96**  
Less Engine Room **402.08**  
**Register Tonnage as out on Beam** **811.88**

**SPAR, OR AVNING DECKED VESSEL.**

**Half Breadth** (moulded) **15.75**  
**Depth** from upper part of Keel to top of Upper Deck Beams **16.45**  
**Girth** of Half Midship Frame (as per Rule) **28.72**  
**1st Number** **60.92**  
**2nd Number** **14242**  
**Length** **233.79**  
**Proportions— Breadths to Length** **7.42**  
**Depths to Length— Upper Deck to Keel** **1421**  
**Main Deck ditto** **1421**

**Master** **Webster**  
**Built at** **Dundee**  
**When built** **1883** **Launched** **Aug. 20<sup>th</sup>**  
**By whom built** **H. B. Thompson**  
**Owners** **Dundee Pen Line S.S. Co. Ltd.**  
**Residence** **Dundee**  
**Port belonging to** **Dundee**  
**Destined Voyage** **Copenhagen via Runtieland**  
**If Surveyed while Building, Afloat, or in Dry Dock.**  
**Surveyed while building**

Official Number 86370

LENGTH on deck as per Rule	Feet. Inches.		BREADTH Moulded	Feet. Inches.		DEPTH top of Floors to Deck Beams Do. do. Main Deck Beams	Feet. Inches.		Power of Engines	Horse.	N <sup>o</sup> . of Decks with flat laid N <sup>o</sup> . of Tiers of Beams			
	233	9 1/2		31	6		22	6			Inches. In Ship.	19ths. In Ship.	Inches. per Rule	32nds. per Rule
Dimensions of Ship per Register, length, <b>235</b> breadth, <b>31.7</b> depth, <b>22.4</b>														
<b>KEEL</b> , depth and thickness	8 x 2 3/8		8 x 2 3/8		8 x 2 3/8		8 x 2 3/8							
<b>STEM</b> , moulding and thickness	7 1/2 x 2 3/8		7 1/2 x 2 3/8		7 1/2 x 2 3/8		7 1/2 x 2 3/8							
<b>STERN-POST</b> for Rudder do. do.	7 1/2 x 4 3/4		7 1/2 x 4 3/4		7 1/2 x 4 3/4		7 1/2 x 4 3/4							
Distance of Frames from moulding edge to moulding edge, all fore and aft	23		23		23		23							
<b>FRAMES</b> , Angle Iron for 1/2 length amidships	3 1/2	3	12	3 1/2	3	12	3 1/2	3	12					
Do. for 1/2 at each end	3 1/2	3	10	3 1/2	3	10	3 1/2	3	10					
<b>REVERSED FRAMES</b> , Angle Iron	3	2 1/2	10	3	2 1/2	10	3	2 1/2	10					
<b>FLOORS</b> , depth and thickness of Floor Plate at mid line for half length amidships	17 1/2		15 1/2		17 1/2		15 1/2							
thickness at the ends of vessel	12		12		12		12							
depth at 1/2 the half-bdth. as per Rule	9		9		9		9							
height extended at the Bilges	twice midship height		twice midship height		twice midship height		twice midship height							
<b>BEAMS</b> , Upper, Spar, or Avning Deck Single or double Angle Iron, Plate or Tee Bulb Iron	6	12	6	6	12	6	6	12						
Single or double Angle Iron on Upper edge	2 1/2	2 1/2	8	2 1/2	2 1/2	8	2 1/2	2 1/2	8					
Average space	alternate frame		alternate frame		alternate frame		alternate frame							
<b>BEAMS</b> , Main, or Middle Deck Single or double Angle Iron, Plate or Tee Bulb Iron	5 1/2	3	13	5 1/2	3	13	5 1/2	3	13					
Single or double Angle Iron on Upper Edge	new frame		new frame		new frame		new frame							
Average space	new frame		new frame		new frame		new frame							
<b>BEAMS</b> , Lower Deck Single or double Angle Iron, Plate or Tee Bulb Iron	8 1/2	13	8 1/2	8 1/2	13	8 1/2	8 1/2	13						
Single or double Angle Iron on Upper Edge	4	3	12	4	3	12	4	3	12					
Average space	very 10" frame		very 10" frame		very 10" frame		very 10" frame							
<b>KEELSONS</b> Centre line, single or double plate, bent or intercostal Plates	14	18	14	14	18	14	14	18						
Rider Plate	10 1/2	18	10 1/2	10 1/2	18	10 1/2	10 1/2	18						
Built Plate to Intercostal Keelson	5	3 1/2	12	5	3 1/2	12	5	3 1/2	12					
Angle Iron	12		12		12		12							
Double Angle Iron, Side Keelson	5	3 1/2	12	5	3 1/2	12	5	3 1/2	12					
Side Intercostal Plate	12		12		12		12							
do. Angle Iron	5	3 1/2	12	5	3 1/2	12	5	3 1/2	12					
Attached to outside plating with angle	3	3	12	3	3	12	3	3	12					
<b>BILGE</b> Angle Iron	5	3 1/2	12	5	3 1/2	12	5	3 1/2	12					
do. Bulb Iron	7 1/2		7 1/2		7 1/2		7 1/2							
do. Intercostal plates riveted to plating for length	12		12		12		12							
<b>BILGE STRINGER</b> Angle Irons	5	3 1/2	12	5	3 1/2	12	5	3 1/2	12					
Intercostal plates riveted to plating for 1/2 length	with 3	3	12	3	3	12	3	3	12					
<b>SIDE STRINGER</b> Angle Irons	12		12		12		12							

State clearly where plating is of alternate thickness, and if not deck is laid thereon.

The **FRAMES** extend in one length from **Keel** to **forecastle** Riveted through plates with 1/4 in. Rivets, about 6 apart.

The **REVERSED ANGLE IRONS** on floors and frames extend **across** middle line to **main deck** and to **forecastle** 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 1/6 in. diameter, averaging 5 ins. from centre to centre.

Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 1/4 in. diameter, averaging 3 1/2 ins. from centre to centre.

Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 1/4 in. diameter averaging 3 1/2 ins. from centre to centre.

Butts of 3 Strakes at Bilge for 1/2 length, treble riveted with Butt Straps 7/8" thicker than the plates they connect.

Edges from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 1/4 in. diameter, averaging 3 1/2 ins. from cr. to cr.

Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 1/4 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 1/2 length amidships. Butts of **Upper** Spar Sheerstrake, treble riveted 1/2 length amidships.

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

Breadth of laps of plating in double riveting **4 1/2** Breadth of laps of plating in single riveting

Butt Straps of Keelsons, Stringer and Tie Plates, treble double or single Riveted? **No.** No. of Breasthooks: **4** Crutches, **4**

What description of **Iron** is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c? **Swedish-Martin Steel**

Manufacturer's name or trade mark, **Steel Co of Scotland**

The above is a correct description.

Builder's Signature, **W. J. ...** Surveyor's Signature, **Geo. V. Cooper** Surveyor to **Local Register of British and Foreign Shipping**

Form No. 1 for Iron ships—(600—21/10/81.)



