



10957 G/S

*W. P. Sparring*  
 Ceiling betwixt Decks, thickness and material *5" x 2"*  
 " in hold do do *2 1/2"*  
 Number of Breasthooks *3*  
 " Crutches *one with sweep*  
 " Floors *one with sweep*

**BULKHEADS.** No. in Vessel *one*

Thickness	Angles	Spacing	Reqd. by Rule	Sngl or Dbl. Frames
<i>1/4"</i>	Vrtel <i>3 1/2 x 3/8</i>	<i>30</i>	<i>To deck</i>	<i>Double frames</i>
	Hrztal <i>3 1/2 x 3/8</i>	<i>49</i>		
	Vrtel			
	Hrztal			
	Vrtel			

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

The FRAMES extend in one length from *Keel* to *Foremast* Riveted through Plates with *3/4"* in. Rivets, about *5/8"* apart.  
 The REVERSED ANGLES on floors and frames extend from *the middle line to upper turn of bilge on every frame*

**RIVETING OF EDGES AND BUTTS OF SHELL PLATING AND BUTTS OF STRINGER PLATES, TIE PLATES, KEELSONS, &c.**  
 Carboard, double riveted to Bar Keel or Flat Plate, with rivets *1/2"* in diameter, averaging *5"* ins. from centre to centre.  
 Edges of Carboards and to upper part of Bilge, worked clencher, double riveted; with rivets *3/4"* in diameter, averaging *3"* ins. from centre to centre.  
 Butts from Keel to turn of Bilge, worked carvel, *treble or double riveted*; treble for *whole* length; with rivets *3/4"* in dia., averaging *2 1/2"* ins. from cr. to cr.  
 " overlapped for *whole* length, treble riveted for *half* length; with rivets *3/4"* in dia., averaging *2 1/2"* ins. from cr. to cr.  
 Butts of *✓* Strakes at Bilge for *✓* length, treble riveted with Butt Straps *✓* thicker than the plates they connect.  
 Edges from Bilge to Sheerstrake, worked clencher, *double or single riveted*; with rivets *3/4"* in diameter, averaging *3"* ins. from centre to centre.  
 Butts from Bilge to Sheerstrake, worked carvel, *treble or double riveted*; treble for *whole* length; with rivets *3/4"* in dia., averaging *2 1/2"* ins. from cr. to cr.  
 " overlapped for *whole* length, treble riveted for *half* length; with rivets *3/4"* in dia., averaging *2 1/2"* ins. from cr. to cr.  
 Edges of Sheerstrake *✓* riveted.  
 Butts of Sheerstrake, *double* riveted for *whole* length amidships.  
 Butts of Main Stringer Plate, *treble* riveted for *whole* length amidships. *Single or Double Straps to Stringer Plate, for* *whole* length amidships.  
 Butts of Inner Bottom Plating, *✓* riveted for *whole* length amidships. *Butts of Centre Girder,* *✓* riveted.  
 Breadth of edge laps of Shell Plating in double riveting *4 1/2"* Breadth of edge laps of Shell Plating in single riveting *2 1/2"*  
 Butt Straps of Shell Plating breadth and thickness *9/16" x 1 1/2"* Butts, if Lapped, breadth of Laps *7/8"*  
 Butt Straps of Keelsons, Stringer and Tie Plates, treble or double riveted? *✓* *Suble and double*  
 Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c. *James Martin Steel Company of Scotland and Co. Ltd.*  
 Workmanship. Are the butts of plating planed or otherwise fitted? *✓* *planed*  
 Is the riveted work properly closed? *✓* *Yes*  
 Are the liners between the frames and plates solid single pieces? *✓* *Yes* Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *✓* *Yes* Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? *✓* *Yes* Do any rivets break into or through the seams or butts of the plating? *a few only*  
 Are the butts of Plating, Stringers, &c., properly shifted and strapped or lapped? *✓* *Yes*

MASTS AND SPARS.

	Material	Total length	DIAMETER AND THICKNESS.			Number of Plates in Round	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.		Head.	Number.	Size.	Seams.
LOWER MASTS	Fore	<i>50 1/2</i>	<i>12</i>	<i>13 1/2</i>	<i>12</i>					
	Main	<i>50 1/2</i>	<i>14</i>	<i>12</i>	<i>11</i>					
	Mizen	<i>49</i>	<i>13</i>	<i>11</i>	<i>10</i>					
	Jigger									
TOPMASTS	Fore	<i>24 1/2</i>		<i>10</i>						
	Main	<i>25 1/2</i>		<i>9</i>						
	Mizen	<i>19 1/2</i>		<i>8</i>						
	Jigger									
YARDS	Fore	<i>24 1/2</i>	At Centre		At Ends					
	Main									
	Crossjack									
FORE TOPMILL YARDS	Lower	<i>29 1/2</i>								
	Upper	<i>25 1/2</i>								
MAIN	Lower									
	Upper									
MIZEN	Lower									
	Upper									
JIGGER	Lower									
	Upper									

Remainder of Spars  
 Rigging. Material and Size, Shrouds *2 1/4" 2. steel wire* Stays *1/2" 2. 2 1/4" 3. 1 1/4"* Quality *Good*  
 Sails. *one* Suit of *one* Sails, and the following Spare Sails

EQUIPMENT No. 3601 LETTER C ANCHORS.

Number of Certificate.	Description of Anchor.	WEIGHT, EX. STOCK			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQ. PER RULE			Makers.	Where and when tested and Superintendent.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons	cwts.	qrs.	lbs.	Cwts.	qrs.			lbs.	
22214	1st Bower	5	0	14	1	1	14	7	9	2	21	5	0	0	<i>Rodgers Patent</i>	<i>S. Taylor &amp; Son</i>	<i>Liverpool</i>
22312	2nd "	5	0	0	1	1	0	7	7	2	0	5	0	0	<i>do.</i>	<i>G. Hawthorne</i>	<i>10 29 30th 1891</i>
	3rd "																
	4th "																
	Collective weight	10	0	14								10	0	0			
	Stream	2	0	22	<i>with stock</i>							1	2	0			
	Kedge	1	0	13	<i>with stock</i>							0	3	0			
	2nd Kedge																

CHAIN CABLES.

Number of Certificate.	Fathoms	Size.	Test per Certificate.	Weight of Chain Cable.	Fathoms & Size.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	FATHOMS & SIZE PER RULE.		
										Fathoms	Size.	Fathoms & Size.
9225	135	7/8	65 20/18	50.2.3	135	<i>3/8" stud link</i>	<i>S. Taylor &amp; Son</i>	<i>Liverpool 29 July 1891</i>	<i>IRONLINE</i>	70	1 1/2	70 1/2
9224	<i>a number of links</i>	<i>7/8"</i>	<i>63 1/2</i>	<i>6.0.14</i>		<i>Callipered</i>	<i>J. Hawthorne</i>		<i>Hawser</i>	90	4	90.3
		<i>4 1/2"</i>	<i>63 1/2</i>	<i>6.0.14</i>						90	3	

Boats *Two boats, one life boat and another*  
 Pumps, Number *two* Diameter of Barrel and Tail Pipe *5" barrel 2 1/2" tail pipe*  
 Windlass *Clarke Chapman & Coy patent* Capstan  
 Number of Scuppers, and number and dimensions of Freeing Ports *three wash ports 4 1/2" x 14" 2.5" x 10 1/2" 2.2"*  
 Cargo Hatchways.—How formed? *Plates and angles* Hatches, if strong and efficient? *Yes*  
 State size No. 1 Hatch (Forward) *10.0 x 9.0 x 18* No. 2 Hatch *7.0 x 9.10 x 19* No. 3 Hatch *one fore and after in each*  
 Number of Web Plates, Shifting Beams, and Fore and Afters to each hatch

Bulwarks, Height above deck and description *1/4" iron plates* Main Rail, material and size *1 1/2" x 3 1/2"* Topgallant  
 The above is a correct description.  
 Builder's Signature (here only) *Andrew & Ship Co. Ltd.* Surveyor's Signature *Charles E. Macmillan*  
 Surveyor to Lloyd's Register of British

10957. G.S.

Order for Special Survey No. 2436 1st. On the several parts of the frame, when in place, and before the plating was wrought } 1891. Feb<sup>o</sup> 4. 19. 26. Mar 12. 19. April 6. 10. 14  
 Date 15<sup>th</sup> January 1891 2nd. On the plating during the process of riveting } 17. 24. 28. May 5. 8. 14. 25. June 8. 11. 18. 25  
 Order for Ordinary Survey No. 151 3rd. When the beams were in and fastened, and before the decks were laid ..... } 29. July 6. 8. 15. 27. 29. Aug<sup>o</sup> 6. 11. 18. 24. 26. 31  
 Date 15<sup>th</sup> January 1891 4th. When the ship was complete, and before the plating was finally coated or cemented ... } Sept<sup>r</sup> 11.  
 No. 151 in builder's yard. 5th. After the ship was launched and equipped

Total No. of Visits 38

State dates and initials of letters respecting this case. 12<sup>th</sup> Jan<sup>r</sup> 1891 (20) 23<sup>rd</sup> Feb<sup>r</sup> 1891 (20)

General Remarks (State quality of workmanship, &c.) Workmanship and materials good throughout  
This is a one deck three masted sailing Schooner built of steel in accordance with the approved Midship Section forwarded to London on the 10<sup>th</sup> inst. the Enclosed sketch and Secretary's Letters of the above dates.

This is a sister vessel to the Schooner "Bronwen" Glasgow 1<sup>st</sup> Entry report 10891

PARTICULARS FOR RECORD IN THE REGISTER BOOK.

Length of Poop ✓ ft., R.Q.D. or Break ✓ ft., Bridge Dk. ✓ ft., Forecastle ✓ ft. (in feet and tenths).  
 No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) one deck wood, one tier of beams  
 Official No. 98977 Signal Letters ✓

PARTICULARS OF WATER BALLAST.

Double bottom, aft, length ✓ and water capacity in tons ✓. Double bottom, amidships, length ✓ and water capacity in tons ✓.  
 Double bottom, forward, length ✓ and water capacity in tons ✓.  
 Double bottom, constructed on the cellular system, length ✓ and water capacity in tons ✓.  
 Fore peak tank, water capacity in tons ✓. After peak tank, water capacity in tons ✓.  
 Midship deep tank, length ✓ and water capacity in tons ✓. Other tanks, if fitted, length ✓ and water capacity in tons ✓.  
 The above have ✓ been tested as required by the Rules.  
 (If necessary, furnish further information by sketch.)  
 How are the surfaces preserved from oxidation? Inside Cement and Paint Outside Paint & Composition

FREEBOARD assigned by the Committee, as per Secretary's Letter, dated 10<sup>th</sup> September 1891  
 1 ft. 5 1/2 ins. In Salt Water  
 1 ft. 3 1/2 ins. In Fresh Water  
 1 ft. 8 1/2 ins. In Winter, in North Atlantic  
 State if marked on Vessel's sides in accordance with Notice No. 572 Yes

The amount of Entry Fee ..... £ 1 : 0 : 0 is received by me, J.P.  
 Special.... £ 6 : 3 : 0 15<sup>th</sup> 9. 1891  
 Certificate\* £ : :  
 Travelling Expenses, if any £ 2 : 14 : 1.  
 I am of opinion this Vessel should be Classed 100 A.1. steel  
 Charles Edwards  
 Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute FRI 18 SEP 1891  
 Character assigned 100A1 Steel  
a + c p 10k.  
 It is submitted that this vessel appears eligible to be classed 100 A.1. (Steel) as recommended.  
10k

