

Rec 5/1/72

On the Iron Screw Steamer "Winfield" Master Boaden

Length on deck as per Rule,	Feet. 218	Inches. —	Moulded Breadth,	Feet. 30.45	Inches. —	Depths from top of Floors to Upper and Main Deck Beams, as per Rule	Feet. 17.8	Inches.	Power of Engines,	Horse. 120	N ^o . of Decks with flat laid	One		
											N ^o . of Tiers of Beams	Two		
Dimensions of Ship per Register, length, 221.4 breadth, 30.45 depth, 17.0														
											Inches. In. Sbm.	16ths. required per Rule	Inches. In. Sbm.	16ths. required per Rule

	Inches in Ship.	Inches. In Ship.	16ths. In Ship.	Inches. required per Rule.	Inches. required per Rule.	16ths. required per Rule.
1, if bar iron, depth and thickness	8	2 1/2		8	2 1/2	
2, if centre through plate, depth and thickness ..	7 1/4	2 3/8		7 1/4	2 3/8	
3, if bar iron, moulding and thickness	7 1/2	4 3/4		7 1/2	4 3/4	
4, post for Rudder do. do.	7 1/4	4 3/4		7 1/4	4 3/4	
5, post for Propeller	23			23		
6, distance of Frames from moulding edge to moulding edge, all fore and aft	23			23		
7, Frames, size of Angle Iron, for 1/2 length amidships	4	3	7/8	4	3	7/8
8, Do. for 1/4 at each end	4	3	7/8	4	3	7/8
9, Reversed Frames, size of Angle Iron	3	3	7/8	3	3	7/8
10, Floors, depth and thickness of Floor Plate at mid line for half the length amidships	20	7/8		18 1/2	7/8	
11, Do. at the ends	20	7/8		18 1/2	7/8	
12, Do. do. do. at Bilge Keelson	8	7/8		8	7/8	
13, Do. height extended at the Bilges	48 inches			37 inches		
14, Beams, Upper, Spar, or Awning Deck (No. 1) single or double Angle Iron, Plate or Tee Bulb Iron	5	3 1/2	7/8	5	3 1/2	7/8
15, Single or double Angle Iron on Upper edge	3	3	7/8	3	3	7/8
16, Average space	46 inches			46 inches		
17, Beams, Main or Middle Deck (No. 2) single or double Angle Iron, Plate or Tee Bulb Iron	7 1/2	7/8		7 1/2	7/8	
18, Single or double Angle Iron, on Upper Edge ..	3	2 1/2	7/8	3	2 1/2	7/8
19, Average space	46 inches			46 inches		
20, Beams, Lower Deck, Hold or Orlop (No. 3) single or double Angle Iron, Plate or Tee Bulb Iron	7 1/2	7/8		7 1/2	7/8	
21, Single or double Angle Iron on Upper Edge ..	3	2 1/2	7/8	3	2 1/2	7/8
22, Average space	46 + 9 1/2 inches			46 + 9 1/2 inches		
23, Keelson Centre line, single or double plate, box or Intercoastal, size of Plates	26	7/8		23	7/8	
24, Do. Bulb Plate to Intercoastal Keelson	7 1/2	7/8		7 1/2	7/8	
25, Do. Size of Angle Irons	5	3 1/2	7/8	5	3 1/2	7/8
26, Do. Side Intercoastal Keelson, size of Plates ..	5	3 1/2	7/8	5	3 1/2	7/8
27, Do. Angle Irons on tops of Floors	5	3 1/2	7/8	5	3 1/2	7/8
28, Do. Bilge Keelson, Bulb Iron for 1/2 length ..	7 1/2	7/8		7 1/2	7/8	
29, Do. do. Intercoastal plates riveted to plating for length	5	3 1/2	7/8	5	3 1/2	7/8
30, Do. do. Angle Irons	5	3 1/2	7/8	5	3 1/2	7/8
31, Side Stringers (No. one pair) size of Angle Irons	5	3 1/2	7/8	5	3 1/2	7/8
32, Do. Intercoastal plates riveted to plating for length						
33, Plates in Garboard Strakes, breadth and thickness	30	1/8		30	1/8	
34, Do. from Garboard to upper part of Bilges ..	46			46		
35, Do. of doubling at Bilge, or increased thickness, and length applied						
36, Do. from up. part of Bilge to lr. edge of Sh'rstrake	96			96		
37, Do. Main Sheerstrake, breadth and thickness	30	1/8		30	1/8	
38, Do. of d'bling at Sh'rstrake, & length applied						
39, Do. from Mn. to Up. or Spar Dk. Sh'rstrake.	58			58		
40, Do. Up. or Spar Dk. Sh'rstrake, brdth & thickness	48			48		
41, Butt Straps to outside plating, breadth & thickness	16 1/2			16 1/2		
42, Lengths of Plating from 11 feet b'ches to 18 feet						
43, Shifts of Plating, and Stringers						
44, Gunwale Plate on ends of Awning, Spar, or Upper Deck Beams, breadth and thickness ..	48			48		
45, Angle Iron on ditto	3 x 3 x 1/8			3 x 3 x 1/8		
46, Tie Plates (fore and aft), outside Hatchways ..	8	1/8		8	1/8	
47, Diagonal Tie Plates on Beams (No. of Pairs,)						
48, Planksheer material and scantling						
49, Waterways do. do. Pitch Pine	12 x 4			12 x 4		
50, Flat of Upper Deck do. do. Yellow Pine ..	5 x 2 1/2			5 x 2 1/2		
51, How fastened to Beams						
52, Stringer Plate on ends of Main or Middle Deck Beams, breadth and thickness	35	7/8		31	10/8	
53, (Is the Stringer Plate attached to the outside plating?)	Yes			Yes		
54, Angle Irons on ditto (No. one)	3 x 3 1/2 x 5/8			5 x 3 1/2 x 7/8		
55, Tie Plates, outside Hatchways	10 1/2	7/8		10	10/8	
56, Diagonal Tie Plates on Beams						

We certify that the above is a correct description of the several particulars therein given.

Builder's Signature, Scott St Surveyor's Signature, [Signature]

Workmanship. Are the butts of plating planed or otherwise fitted? Planed
Do the edges of the caryl 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 solid with single pieces? Yes or are they in short lengths of various thicknesses? No
Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes and are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? Yes
Are there any rivets which either break into or have been put through the seams or butts of the plating? A few

Her Masts, Bowsprit, ^{of Much Pine} Yards, &c., are in Good condition, and sufficient in size and length. If they are of Iron or Steel give the Scantlings of Plating, Angle Irons, &c., and further explain by a Sketch showing how the lower Masts and Bowsprit are constructed, showing the number of Plates and Angle Irons, mode of riveting, quality of Materials, and if stamped with Maker's name.
State also Length and Diameter of Lower Masts and Bowsprit Fore and Main Masts Pitch Pine 70 feet long and 14 inches diameter
9683 Lm

Chain cables and Anchors compared with Table 22 for 1870-1871

	Fathoms.	Inches.	Test as per Certificate.	In. req'd per Rule.	Test req'd per Rule.	ANCHORS, No.	Weight. Ex. Stock.	Test as per Certificate.	Wight req'd per Rule.	Test req'd per Rule.
No. 15494						12 1/2 28/11/71	5738	18.0.21	19.4.1.14	18.3.0
SAILS.						12 1/2 28/11/71	5739	18.0.7	19.2.0.21	18.3.0
Fore Sails,						12 1/2 28/11/71	5734	15.2.0	16.18.3.0	14.0.27
Fore Top Sails,										
Fore Topmast Stay Sails										
Main Sails,										
Main Top Sails,										
CABLES, &c.										
Chain	270 short	1 7/8	37.4.0.0	146	34-ton					
(State Machine where Tested, and name of Superintendent).	Lloyd's Dipton Proving House									
Hampton Stream										
Chain Cable	60 short	3/4	6.13.0.0	46						
Hawser	90	9								
Towlines	90	7								
Warp										
All of <u>Good</u> quality.										

Her Standing and Running Rigging Good sufficient in size and Good in quality. She has Two Life Long Boat and Two other
The present state of the Windlass is Good Capstan Good and Rudder Good Pumps Good

Engine Room Skylights.—How constructed? of Iron and Wood How secured in ordinary weather? Tarparailings
What arrangements are there for deadlights in such for bad weather? Made Watertight

Coal Bunker Openings.—How constructed? Cast Iron runs Slids How are lids secured? Cross Bars How high above deck? Flush

Scuppers, &c.—What arrangements are there beyond the scuppers on deck, for clearing upper deck of water, in case of a sea coming on board? Ports in Bulwarks

Cargo Hatchways.—How formed? of Iron and Wood State size 19 feet by 9 feet
If of extraordinary size, state how framed and secured? Centre beams and secured by screw bolts and nuts

What arrangement for shifting beams? Screw bolts and nuts
Hatches, themselves, whether strong and efficient? Yes Main Hatchways.—State size 19 feet by 9 feet

Order for Special Survey No. 564 DATES of 1st. On the several parts of the frame, when in place, and before the plating was wrought. Special Surveyed
Date 30th March 1871 Surveys held 2nd. On the plating during the progress of riveting. while building from
Order for Ordinary Survey No. while building 3rd. When the beams were in and fastened, and before the decks were laid April to Dec 1871
Date as per 4th. When the ship was complete, and before the plating was finally coated or cemented in all 30 visits.
No. 147 in builder's yard. Section 18. 5th. After the ship was launched and equipped

General Remarks, This vessel has been built under Special Survey, as per Order No. 564: is long rigged, and has a full Poop and Forecastle, with a partial awning deck extending forward for about half the length of the vessel, the same having Ports and Scuppers fitted to relieve the decks of water. Is fitted with a watertight compartment amidships with an Iron top in line with Hold beams; and also a tank for water ballast in after hold, the same being connected to the outside plating with Angle Irons and made watertight with 7/8" side and 3/16" top with five Substantial fore and aft stringers formed of plates and Angle Irons on upper and lower edges and connected with and resting on the floors. She is a sister ship to the "Crusader" Report N 6060.

State if one, two or three decked vessel, or if spar or awning decked, and lengths of poop, forecastle or raised quarter deck, or of double or part double bottom.
In what manner are the surfaces preserved from oxidation? Inside Portland Cement (supplied by Messrs. J. & F. G. & Co. Ltd.) Outside Three coats of Red Lead and bottom coated with patent composition, and black paint on top sides
I am of opinion this Vessel should be Classed 100 A1

The amount of the Entry Fee£ 5 : 11 : 11 is received by me,
San. J. M. C. Special£ 49 : 2 : 11
X Certificate : : :
(Travelling Expenses)
(if any) £ 1

Committee's Minute 5th January 1872
Character assigned 100 A1
J. B. W.
Concur in the opinion that this vessel should be classed 100 A1.
B. M.
Rules Lloyd's Register Foundation