

3 Decks.

## IRON OR STEEL STEAMER.

Received at London Office

MUN. 14 FEB 1910

Date of completion of report *12th February 1910* Port of *Newcastle-on-Tyne* No. *57977*  
Survey held at *Wellington Quay* Date, First Survey *22nd March 1909* Last Survey *7th February 1910*  
On the *Steel Screw Steamer BOVERTON* Rig *Fore & aft Schooner*  
TONNAGE under *2909.24* THREE DECKED VESSEL.  
Tonnage Deck...  
Do. between Tonnage Dk. & 3rd and 4th Dk. *0.12*  
Total under Upper Dk. *16.17*  
Do. of Bridge House *41.80*  
Do. of Forecastle *20.87*  
Do. of Houses on Dk. *34.03*  
Do. of excess of Hatchways *34.93*  
Do. above Crown of Engine Room *3117.16*  
Gross Tonnage *2883.49*  
Less Crew Space *34.93*  
Less above Crown of Engine Room *2993.75*  
TONNAGE FOR FEES *997.49*  
Less Engine Room *24.72*  
Less Navigation Spaces *53.63*  
Register Tonnage *1952.84*  
as out on Beam ...  
CLASS *\* 100A1.* FEET.  
Half Breadth (moulded) *23.9*  
Depth from upper part of Keel to top of Upper Deck Beams *25.35*  
(with the normal round up of beam)  
Girth of Half Midship Frame (as per Rule) *45.5*  
*2 Deck No. 94.75*  
deduct 7 feet. *7.00*  
1st Number *3 Decks* *87.75*  
Length on deck from after part of stem to fore part of stern post *329.16*  
2nd Number *(2 Decks = 3118.91)* *2883.49*  
Proportions—Breadth to Length *6.88*  
Depth to Length—Upper Deck to top of Keel *12.98*  
Main Deck ditto  
Destined Voyage  
Master *A. H. Jenkins*  
Year of appointment *(1) As Master in service of owner of present vessel:—1910*  
*(2) As Master of this vessel:—1910*  
Built at *Wellington Quay*  
When built *1910* Launched *7th Dec 1909*  
By whom built *Tyne Iron Ship Building Co. Ltd.*  
Owners *Evans Thomas, Radcliffe & Co.*  
Managers  
(Where necessary to be entered in Reg. Book.)  
Residence *Cardiff*  
Port belonging to *Cardiff*  
If Surveyed while Building, Afloat, or in Dry Dock *Building*

on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
rule . . .	329	2	Moulded . . .	47	9½	Do. do. do. do.	Main Dk. Beams	21	10	No. of Tiers of Beams
of Ship per Register, Length 331 breadth 48.1 depth 21.8 Moulded depth, ft. 24 ins. 4½ To Upper Dk.										Round of Upper Dk. Beam, Actual } 11¾ ins.

FRAMING.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Appr.	Inches per Rule Or as Appr.	20ths in Ship.	FORGINGS or CASTINGS.	Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule Or as Approved.
Angles, or L, E, or L Bars for 1/2 length amidships	10	3 1/2	13	10	3 1/2	13	KEEL, Bar or Side Plates, depth and thickness	4 flat Plate Keel	11 x 2 3/4	11 x 2 3/4	
1/2 at each end	10	3 1/2	12	10	3 1/2	12	STEM, moulding and thickness	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2	
way of Double Bottoms at Solid Floors	3 1/2	3 1/2	9-8	3 1/2	3 1/2	9-8	STERN-POST for Rudder do. do.	11 x 6 1/2	11 x 6 1/2	11 x 6 1/2	
" at intermdt. Bkts.	5 1/2	3 1/2	9-8	5 1/2	3 1/2	9-8	" for Propeller	8 1/2	8 1/2	8 1/2	
f Frames from centre to centre	24	24	24	24	24	24	MAIN PIECE of Rudder, diameter at head	6 1/2	6 1/2	6 1/2	
ED FRAME, Angles, on floors only	3 1/2	3 1/2	8	3 1/2	3 1/2	8	" do. at heel	6 1/2	6 1/2	6 1/2	
FRAMING, depth of girder	10	10	10	10	10	10	RUDDER, how constructed	Single plate, keyed arms, forged.			
depth and thickness of Floor Plate at mid line for 1/2 length amidships	✓	✓	✓	✓	✓	✓	Can the Rudder be unshipped afloat?	Yes			
way of Engines and Boilers	✓	8+10	8+10	8+10	8+10	8+10					
thickness at the ends of vessel	✓	8	8	8	8	8					
at 1/2 the half breadth, as per Rule	✓	5-10	5-10	5-10	5-10	5-10					
light extended at the Bilges	✓	8	8	8	8	8					
& BRACKETS in Cell Dble Bottoms	Not flanged	48	48	48	48	48					
" state if flanged (top & bottom)	✓	✓	✓	✓	✓	✓					
" Spacing	48	48	48	48	48	48					
GIRDER, in Double bottom, depth and thickness	42	12-8	42	12-8	12-8	12-8					
" Angles, Top	4	4	9	4	4	9					
" Bottom	5	4	11	5	4	11					
ORDERS, number on each side & thickness	Three	9	Three	9	9	9					
" state if flanged (top and bottom)	Flanged to floors	3 1/2	3 1/2	8	3 1/2	3 1/2					
" Angles	3 1/2	3 1/2	8	3 1/2	3 1/2	8					
N PLATE, depth (exclusive of flange) and thickness	35	9	35	9	9	9					
" Angles to Outside Plating	4	4	9	4	4	9					
" Floors	3 1/2	3 1/2	8	3 1/2	3 1/2	8					
" Height of Floors at the Bilges	40	40	40	40	40	40					
BOTTOM PLATING, breadth and thickness of Middle Line Strake	48	10	48	10	10	10					
" in Engine and Boiler space	10/16 E, 7/16 B	8/16 E, 9/16 B	9-8	9-8	9-8	9-8					
" Remainder in Holds	9-8	9-8	9-8	9-8	9-8	9-8					
Upper Deck, Single Angle, Bulb	9	3 1/2	11	9	3 1/2	11					
Angle, Plate or Tee Bulb	9 1/2	3 1/2	12	9 1/2	3 1/2	12					
Angles on upper edge Under Bridge	24	24	24	24	24	24					
Spacing	✓	✓	✓	✓	✓	✓					
Middle Deck, Single Angle, Bulb	✓	✓	✓	✓	✓	✓					
Angle, Plate or Tee Bulb	✓	✓	✓	✓	✓	✓					
Angles on upper edge	✓	✓	✓	✓	✓	✓					
Spacing	✓	✓	✓	✓	✓	✓					
Lower Deck, Single Angle, Bulb	✓	✓	✓	✓	✓	✓					
Angle, Plate or Tee Bulb	✓	✓	✓	✓	✓	✓					
Angles on upper edge	✓	✓	✓	✓	✓	✓					
Spacing	✓	✓	✓	✓	✓	✓					
Hold, or Orlop, Plate or Tee Bulb	✓	✓	✓	✓	✓	✓					
Angles on upper edge	✓	✓	✓	✓	✓	✓					
Spacing	✓	✓	✓	✓	✓	✓					
Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	6	3	9	6	3	9					
Angles on upper edge	✓	✓	✓	✓	✓	✓					
Spacing	✓	✓	✓	✓	✓	✓					
Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	7 1/2	3	9	7 1/2	3	9					
Angles on upper edge	✓	✓	✓	✓	✓	✓					
Spacing	✓	✓	✓	✓	✓	✓					
Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	9 1/2	9	9 1/2	9	9	9					
Angles on upper edge	3 1/2	3 1/2	7	3 1/2	3 1/2	7					
Spacing	48	48	48	48	48	48					
RS, In 'tween Deck, size and spacing	2 3/4 in 4-0	2 3/4 in 4-0	2 3/4 in 4-0	2 3/4 in 4-0	2 3/4 in 4-0	2 3/4 in 4-0					
" Hold	4 1/4 in 4-0	4 1/4 in 4-0	4 1/4 in 4-0	4 1/4 in 4-0	4 1/4 in 4-0	4 1/4 in 4-0					
Quarter 'tween Dks.	and to Rule	and to Rule	and to Rule	and to Rule	and to Rule	and to Rule					
" in Hold	16" Hatch and beams & channel girders under half beams in line of quarter pillars	16" Hatch and beams & channel girders under half beams in line of quarter pillars	16" Hatch and beams & channel girders under half beams in line of quarter pillars	16" Hatch and beams & channel girders under half beams in line of quarter pillars	16" Hatch and beams & channel girders under half beams in line of quarter pillars	16" Hatch and beams & channel girders under half beams in line of quarter pillars					
FRAMES, In Fore Body, No. and spacing	One	One	One	One	One	One					
" No. of Side Stringers	36	8	36	8	8	8					
WEB-FRAMES, In E. & B. Space, No. and spacing	One partial Bulkhead	One partial Bulkhead	One partial Bulkhead	One partial Bulkhead	One partial Bulkhead	One partial Bulkhead					
" brdth. & thickness	65	7	65	7	7	7					
WEB-FRAMES, In After Body, No. and spacing	4	3 1/2	8	4	3 1/2	8					
" brdth. & thickness	4	3 1/2	8	4	3 1/2	8					
" No. of Side Stringers	4	3 1/2	8	4	3 1/2	8					
" Size of Angles on Tee Bars to Web-Frames	4	3 1/2	8	4	3 1/2	8					
BRACKET PLATES to Stringers between Web-Frames, depth and thickness	4	3 1/2	8	4	3 1/2	8					

BULKHEADS.	Number.		Thickness.	STIFFENERS.				Single or Double Frames.	Height up.
	Vessel.	Per Rule.		Horizontal.		Vertical.			
				Size.	Spacing.	Size.	Spacing.		
W. T. BULKHEADS	5	5	1/4th or 30ths.	7-6	2 1/2 in.	11	36	Double	upper 11
PARTITION				Lean.		8.2.	and		
LONGITUDINAL							2 webs		

Are the outside Plates doubled two spaces of Frames in length? *Close spaced bulkheads*  
Are the Stiffeners and Watertight Doors in efficient working order? *Yes*

W914-0087/12



PLATING.										RIVETING.									
AS IN SHIP.										EDGES.									
PER RULE OR AS APPROVED.										EDGES.									
AMIDSHIP.										EDGES.									
AMIDSHIP.										EDGES.									
FLAT PLATE KEEL										Double									
GARBOARD OF A STRAKE										Double									
B										Double									
C										Double									
D										Double									
E										Double									
F										Double									
G										Double									
H										Double									
J										Double									
K										Double									
L										Double									
SHEER-M										Double									
N										Double									
P										Double									
Q										Double									
R										Double									
S										Double									
DOUBLING OF FLAT PLATE KEEL										Double									
Length of Bilges										Double									
Length of Sheerstrakes										Double									
Length of Strake below										Double									
POOP SIDES										Double									
BRIDGE SIDES										Double									
FORECASTLE SIDES										Double									
Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.?										Upper Deck Butts, treble riveted									
Plates, Plating, &c.?										Stringer Plate Butts, single, double or overlapped for									
Consent Iron Co., South Durham, S. & Co.										Middle Deck Butts, treble riveted for									
Steel Bars, Consent Iron Co., Palmers, S. & Co.										Stringer Plate Butts, single, double or overlapped for									
Steel Plates, John Hill & Co.										Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted									
Has the Steel been tested as required by the Rules?										Inner Bottom Plating, riveting of Edges									
FRAMES extend in one length from Middle line to Margin & thence to gunwale										Centre Girder Butts, treble riveted									
REVERSED FRAMES on floors and frames extend from on floors only from Middle line to Margin										Frames, riveted through Plates with									
MASTS, SPARS, &c.										Rivets, state whether Iron or Steel									
LOWER MASTS										Rivets, state whether Iron or Steel									
Bowsprit										Rivets, state whether Iron or Steel									
Topmasts, Yards and Remainder of Spars										Rivets, state whether Iron or Steel									
Rigging, Material and Size, Shrouds										Rivets, state whether Iron or Steel									
Sails										Rivets, state whether Iron or Steel									
EQUIPMENT NO. 38125 LETTER Y										ANCHORS.									
Number of Certificate										Description of Anchor									
11405										10824									
11149										9893									
9957										9957									
CHAIN CABLES.										HAWERS AND WARPS.									
Number of Certificate										Length and Size									
3345										3345									
Boats										Pumps									
Windlass										Engine Room Skylights									
What arrangements for dead lights in bad weather?										Coal Bunker Openings									
Number of Scuppers, and dimensions of Freeing Ports, &c.										Ceiling in Holds, thickness and material									
Cargo Hatchways—How formed?										State size No. 1 Hatch (Forward)									
Number of Web Plates, Size										Bulwarks, height above deck									
The above is a correct description.										Builder's Signature (there only)									

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case)

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? Very few

Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par. 24)? Yes

State results of tests Good.

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? Yes

State results of tests Good.

General Remarks (State quality of workmanship, &c.) This vessel has been built in accordance with the accompanying approved plans (3 in number), the Secretary's letter of the above mentioned date, and in other respects in general conformity with the Rules, the workmanship is good.

The keel was sighted before launching and found straight.

This vessel is a sister vessel of the same Builders No 166, S.S. "MARIA" ("MARIA") Newcastle First Entry Report No 54650.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 27 ft., R.Q.D. or Break 1 ft., Bridge Dk. 98 ft., F'castle 34 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated. Poop is not joined to Bridge

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) 1 Bk (jet Iron jet Stl) and deep framing

Official No. ; Signal Letters ; State if Machinery is fitted aft. No

How are the surfaces preserved from oxidation? Inside Paint + Portland cement. Outside Paint.

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors.

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
Feet.	Tons.	Feet.	Tons.	Feet.	Tons.
Double bottom, aft,	104	281	Fore peak tank,		86
Double bottom, under Engines and Boilers,	40	132	After peak tank,		88
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	142	405	Other tanks, if fitted,		
Total capacity of double bottom	818		(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks. State whether the above have been tested as required by the Rules. Yes

Order for Special Survey No. 3916

Date 1.2.07

No. 167 in builder's yard.

The amount of Entry Fee £ 5 : 0 : 0

Special Survey Fee £ 99 : 17 : 0

Travelling Expenses, if any £ :

12 FEB 1910

Received by me, 14.2.10

State whether the Vessel has been built under Special Survey Yes

I am of opinion this Vessel should be Classed 100 A1

With, or without Freeboard, as condition of Class Without

Committee's Minute FRI. 18 FEB 1910

Character assigned 100 A1

Lloyd's 286. P + Lm 6210

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