

With or Without
Disconnected Erections.

STEEL STEAMER.

Received at London Office **MUN. 28 FEB 1910**

State if Report is also sent on the Machinery of the Vessel *Yes.*

Date of completion of report *23rd February 1910* Port of *Middlesbrough* No. *6728*
Survey held at *Thornaby-on-Tees* Date, First Survey *6th Aug^r 1909* Last Survey *15th Feb^ry 1910*
On the *Screw Steamer "Benbrook"* Rig *Schooner*
CLASS *100A1.* Master *J. Denby*
Year of appointment *1906*
Built at *Thornaby-on-Tees*
When built *1910-2* Launched *12th Jan^y 1910*
By whom built *Craig, Taylor & Co. Ltd.*
Owners *Joseph Shoult & Co. Ltd.*
Managers *Liverpool*
Residence *Liverpool*
Port belonging to *Liverpool*
Destined Voyage *Barry* If Surveyed while Building, Afloat, or in Dry Dock *Yes.*

Register Tonnage *2388.20*
LENGTH on Deck as per Rule *345 0* BREADTH Moulded *50 11/2* DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams *25 5 1/2*
Moulded depth, ft. *34* ins. *9 1/2* To Bridge Dk. Round of Upper Dk. Beam, Actual *12 3/4* ins.
Moulded depth, ft. *27* ins. *9 1/2* To Upper Dk.

FRAMING.						FORGINGS or CASTINGS.					
	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.		Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
Angles, or E or L Bars amidships	11	3 1/2	3 1/2	11	3 1/2	KEEL, Bar, depth and thickness	Flat Plate				
peaks	6	3 1/2	3 1/2	6	3 1/2	STEM, moulding and thickness	10 x 2 7/8				
way of Double Bottoms at solid floors	3 1/2			3 1/2		STERN-POST for Rudder do. do.	9 x 7				
at intermdt. Bkts.						for Propeller	10 x 7				
of Frames from centre to centre amidships	2 1/2			2 1/2		RUDDER—A x D Table 22	350.3				
length to Collision bulkhead	2 1/2			2 1/2		Main-Piece, diameter at head	8 1/2				
in peaks	2 1/2			2 1/2		at heel	6 1/2				
SEED FRAME, Angles	3	3 1/2	3 1/2	3	3 1/2	RUDDER, how constructed	Scrap Steel forged & built 1.04 long Plate				
depth of girder	11			11		Can the Rudder be unshipped afloat?	Yes.				
depth and thickness of Floor Plate											
at mid-line for 1/2 length amidships	3 1/2			3 1/2							
way of Engine and Boiler Spaces	3 1/2			3 1/2							
thickness at the ends of vessel	3 1/2			3 1/2							
at 1/2 the half breadth, as per Rule	3 1/2			3 1/2							
light extended at the Bilge	3 1/2			3 1/2							
& BRACKETS in Cell Dble Bottoms	4 1/2			4 1/2							
state if flanged (top & bottom)	4 1/2			4 1/2							
Spacing	2 1/2			2 1/2							
GIRDER, in Dbl. bottom, dpth. & thicknss.	4 1/2			4 1/2							
Angles, Top	3 1/2			3 1/2							
Bottom	4 1/2			4 1/2							
to Floors	3 1/2			3 1/2							
RDERS, number on each side & thickness	Two			Two							
state if flanged (top and bottom)	Two			Two							
Angles	3			3							
PLATE, depth (exclusive of flange)	40			40							
and thickness	3 1/2			3 1/2							
Angles to Outside Plating	3 1/2			3 1/2							
Floors	3 1/2			3 1/2							
Height of Brackets above at bilge	90			90							
OTTOM PLATING, breadth and thickness	3 1/2			3 1/2							
in Engine and Boiler space	3 1/2			3 1/2							
Remainder in Holds	3 1/2			3 1/2							
Upper Deck, Single Angle, Bulb	6			6							
Angle, Plate, Tee Bulb, or Channel	7			7							
Angles on upper edge	7			7							
spacing	2 1/2			2 1/2							
Second Deck, Single Angle, Bulb	9			9							
Angle, Plate, Tee Bulb, or Channel	9			9							
Angles on upper edge	9			9							
spacing	2 1/2			2 1/2							
Third or Fourth Deck, Single Angle, Bulb											
Angle, Plate, Tee Bulb, or Channel											
Angles on upper edge											
spacing											
Fourth or Fifth Deck, Plate, Tee Bulb, or Channel											
Angles on upper edge											
spacing											
Top Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	3 1/2			3 1/2							
Angles on upper edge	3 1/2			3 1/2							
Spacing	2 1/2			2 1/2							
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	5 1/2			5 1/2							
Angles on upper edge	7			7							
Spacing	2 1/2			2 1/2							
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	5 1/2			5 1/2							
Angles on upper edge	5 1/2			5 1/2							
Spacing	2 1/2			2 1/2							
PILLARS, In 'tween Deck, size and spacing	2 1/2			2 1/2							
Hold	4 1/2			4 1/2							
Quarter 'tween Dks.											
in Hold											
WEB-FRAMES, In Fore Body, No. and spacing	1 on 7 1/2 frame			1 on 7 1/2 frame							
No. of Side Stringers	51			51							
WEB-FRAMES, In E. & B. Space, No. & spacing	1 on 7 1/2 frame			1 on 7 1/2 frame							
No. of Side Stringers	51			51							
Size of Face Angles to Web-Frames	7 1/2			7 1/2							
BRACKET PLATES to Stringers between Web-Frames, depth and thickness	7 1/2			7 1/2							

PLATING. AS IN SHIP. FORWARD. AFT. PER RULE OR AS APPROVED. RIVETING. BUTTS. IF LAPPED. 14 full 12 full. FLAT PLATE KEEL. GARBBOARD OR A STRAKE. B. C. D. E. F. G. H. J. K. L. M. N. O. P. Q. R. S. DOUBLING OF FLAT PLATE KEEL. POOP SIDES. FORECASTLE SIDES. MANUFACTURER'S NAME OR TRADE MARK OF THE IRON OR STEEL. PLATES, PLATING, &c. Has the Steel been tested as required by the Rules? FRAMES extend in one length from REVERSED FRAMES on floors and frames extend MASTS, SPARS, &c. LOWER MASTS. Fore Main Mizzen. Rigging, Material and Size, Shrouds. Sails. EQUIPMENT No. 28067 LETTER W. ANCHORS. TONNAGE U. D.K. OR PLATING No. FOR TRAWLERS. CHAIN CABLES. HAWSERS AND WARPS. Boats 2 Lifeboats 24ft. 18ft. 18ft. Pumps, Number. Windlass is. Engine Room Skylights. Coal Bunker Openings. Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Ceiling in Holds, thickness and material. Cargo Hatchways. State size No. 1 Hatch (Forward). Number of Web Plates, Shifting Beams and Fore and Afters. Bulwarks, height above deck and description. This above is a correct description. Builder's Signature (here only). SURVEYOR'S SIGNATURE. SECRETARY. LLOYD'S REGISTER FOUNDATION.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case) *E Sep 22-1909*
M 1909 July 23. 26. 29. Oct 5. 11. 30. 1910 Feb 12.

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*
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. 26, par. 20)? *Yes.* State results of tests *Satisfactory.*
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? *Yes.* State results of tests *Satisfactory.*
General Remarks (State quality of workmanship, &c.) *Good.*

This vessel has been built under the rules now in force (see copy of Builder's letter attached), the Approved Plans (7 in No.) forwarded herewith, the Secretary's letters of the above dates & in other respects in general conformity with the Society's regulations. Steam steering gear is fitted in house at after end of engine room & connected to quadrant by rods, chains & buffer springs and controlled from Bridge by rods & bevel wheels. Hand steering gear is fitted to rudder head on top deck. Deck stops fitted to receive quadrant. Steam & Hand steering gear and Windlass tested under working conditions & proved satisfactory. Tunnel tested as per rule. Freeboards assigned marked on vessels sides & verified. A Profile & Section of the vessel as built are forwarded for filing with this report.
Sister Vessel: S/S Benwood, yard No 137, Mdd. R. & Report No 6081.
A.D. Please return plans for dealing with sister vessels now building.
2 Forging Reports. The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *44.5 ft.*, *R.O.D.*, *Bridge 105.6 ft.*, *Forecastle 30.8 ft.* (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *The Poop and Bridge are not joined.*
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 Deck (Stl) & Deep framing*
Official No. *128018*; Signal Letters *✓* State if Machinery is fitted aft *No.*
How are the surfaces preserved from oxidation? Inside *Paint & Cement* Outside *Paint*

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>110.6</i>	<i>417</i>	Fore peak tank,		<i>149</i>
Double bottom, under Engines and Boilers,	<i>38.3</i>	<i>149</i>	After peak tank,		<i>98</i>
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	<i>146.7 1/2</i>	<i>510</i>	Other tanks, if fitted,		
	Total capacity of double bottom	<i>1076</i>	(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 Satisfactory*

Order for Special Survey No. *797*
Date *11th Aug 1909*
No. *138* in builder's yard.
DAYS of Surveys held while building
1909 Aug 9. 13. 24. 30. Sept 1. 2. 8. 14. 16. 20. 23. 28. 30. Oct 4. 5. 6. 14. 18. 21. 25. 28. Nov 1. 10. 12. 25. Dec 2. 19. Dec 3. 4. 6. 7. 8. 10. 15. 17. 20. 24. 29. 31. 1910 Jan 4. 6. 7. 10. 12. 14. 18. 24. 29. Feb 9. 10. 11. 12. 15.
Total No. of Visits *18*

The amount of Entry Fee £ *5 : 0 : 0* Fees applied for, *18. 2. 1910*
Special Survey Fee £ *118 : 13 : 0* Received by me, *22. 2. 1910*
Travelling Expenses if any £ : : :
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
Certificate to be sent to *Middlesbrough Office*
Wm L. Gilman
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute
Character assigned
100 A1
Lloyds 186 P + Lmb 2.10
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