

1 or 2 Dks., R.Q. Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

No. 13337
TUES. 3 JUN 1902

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

Received at London Office

Date of completion of Report *22nd May 1902.*

Port of *Grunwick*

Date, First Survey *18th Oct 1901.*

Last Survey *17th May 1902*

Survey held at *Port Glasgow*

SS. MOPSA.

Rig *Schooner*

On the

Master *W. Dewley*

Year of appointment *1890*

TONNAGE under Tonnage Deck...	663.90
Do. of Poop	114.46
Do. of Raised Or. Dk. or Break...	38.35
Do. of Bridge House	23.29
Do. of Forecastle	5.14
Do. of Houses on Deck	12.12
Do. of excess of Hatchways	24.59
Do. above Crown of Engine Room ...	884.88
Gross Tonnage	41.32
Less Crew Space	24.59
Less above Crown of Engine Room ...	815.94
TONNAGE FOR FEES ..	452.24
Less Engine Room	6.64
Less Navigation Spaces	384.68

ONE OR TWO DECKED VESSEL.

CLASS *1100 A.I. "WELL D."*

FEET.

Half Breadth (moulded)	16.416
Depth from upper part of Keel to top of Main Deck Bms. (with the normal round up of beam)	15.184
Girth of Half Midship Frame (as per Rule)	28.000
1st Number	59.603
Length on deck from after part of stem to fore part of stern post	223.83
2nd Number	13340.23
Proportions—Breadths to Length	6.8
Depths to Length—Main Deck to top of Keel	14.73

Built at <i>Port Glasgow</i>	When built <i>1902</i>	Launched <i>23rd April 1902</i>
By whom built <i>Murdoch's Shipyard</i>	Owners <i>Bennett Steamship Co. Ltd.</i>	Managers <i>D. O. D. O.</i>
Residence <i>Goolle</i>	Port belonging to <i>Goolle</i>	

Register Tonnage as out on Beam ..	384.68	Destined Voyage <i>Maulonge, K. C. C.</i> If Surveyed while Building, Afloat, or in Dry Dock									
LENGTH on Deck as per Rule.....	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with Flat laid	one	
	223	10	Moulded	32	10	Top of Floors to top of Main Deck Beams	13	9"	No. of Tiers of Beams		one
Register Length 225.0 breadth 33.1 depth 13.55 Moulded Depth, 14' ft. 7" ins. Round of Beam, Actual 4 1/2 ins.											

Dimensions of Ship per Register, Length, *225.0* breadth, *33.1* depth, *13.55* Moulded Depth, *14* ft. *7* ins. Round of Beam, Actual *4 1/2* ins.

FRAMING.		Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	16ths or 20ths in Ship.	Inches per Rule Or as Approved.	16ths or 20ths in Ship.	Inches per Rule Or as Approved.
FRAME, Angles, <i>7</i> or <i>8</i> Bars, for $\frac{1}{2}$ length amidships		3 1/2	3	4	3 1/2	3	4			
Do. for $\frac{1}{2}$ at each end		3 1/2	3	6	3 1/2	3	6			
Do. in way of Double Bottoms at Solid Floors		3	3	4 1/2	3	3	4 1/2			
Spacing of Frames from centre to centre		3 1/2	3	4 1/2	3 1/2	3	4 1/2			
REVERSED FRAME, Angles		3	2 1/2	6	3	2 1/2	6			
DEEP FRAMING, depth of girder		1 1/2		4 1/2	1 1/2		4 1/2			
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships				8-9			8-9			
in way of Engines and Boilers				6			6			
thickness at the ends of vessel		12		12			12			
depth at $\frac{1}{2}$ the half breadth, as per Rule			35			35				
height extended at the Bilges		3 1/2		6	3 1/2		6			
FLOORS & BRACKETS, in Cell Dble Bottoms										
state if flanged (top & bottom)										
Spacing			22			22				
CENTRE GIRDER, in Double Bottom, depth and thickness		3 1/2	3 1/2	4	3 1/2	3 1/2	4			
Angles, Top		3 1/2	3 1/2	4	3 1/2	3 1/2	4			
Bottom										
SIDE GIRDERS, number on each side & thickness		3		6	3		6			
state if flanged (top & bottom)										
Angles		3	3	4	3	3	4			
MARGIN PLATE, depth (exclusive of flange) and thickness		22		4	22		4			
Angles to Outside Plating		3 1/2	3 1/2	4	3 1/2	3 1/2	4			
Floors		3	3	4	3	3	4			
Height of Floors at the Bilges			35			35				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake		3 1/2		8-9	3 1/2		8-9			
thickness in Engine and Boiler space				8			8			
Remainder in Holds				7			7			
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb		5 1/2	3	8	5 1/2	3	8			
Angles on Upper Edge, ON RQD		6	3	8	6	3	8			
Spacing			22			22				
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb										
Angles on Upper Edge										
Spacing										
BEAMS, Hold, Plate or Tee Bulb										
Angles on Upper Edge										
Spacing										
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb										
Angles on Upper Edge										
Spacing										
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb		5 1/2	3	8	5 1/2	3	8			
Angles on Upper Edge										
Spacing			44			44				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb		5	3	4	5	3	4			
Angles on Upper Edge										
Spacing			22			22				
PILLARS, in 'tween Decks, Size and Spacing		2 1/4		44	2 1/4		44			
Hold		3		44	3		44			
Quarter, 'tween Dks.										
in Hold										
WEB FRAMES, in Fore Body, No. and Spacing										
No. of Side Stringers										
WEB FRAMES, in E. & B. Space, No. & Spacing		3	5 FRAMES	3	5 FRAMES					
Brdth. & Thickness		15		15		7				
WEB FRAMES, in After Body, No. and Spacing		3	6 FRAMES	3	6 FRAMES					
Brdth. & Thickness		15		15		7-6				
No. of Side Stringers		2		2						
Size of Angles or Tee Bars to Web Frames		4 1/2	4	8	4 1/2	4	8			
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness										

FORGINGS AND CASTINGS.		Inches in Ship.		Inches per Rule. Or as Approved.	
KEEL, Bar or Side-Plates	depth and thickness	8 x 2 1/4		8 x 2 1/4	
STEM, moulding and thickness	4 x 2 1/4		4 x 2 1/4	
STERN-POST	for Rudder do. do.	4 1/4 x 4 1/4		4 1/4 x 4 1/4	
"	for Propeller	4 1/4 x 4 1/4		4 1/4 x 4 1/4	
MAIN PIECE	of Rudder, diameter at head, ...	6		6	
	do. at heel	4 1/2		4 1/2	
RUDDER, how constructed		Built forging and single plate 13/20			
Can the Rudder be unshipped afloat?		Yes			

KEELSONS AND STRINGERS.		Inches in Ship.		16ths or 20ths in Ship.		Inches per Rule Or as Approved.		Inches per Rule Or as Approved.		16ths or 20ths in Ship.	
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate		14		11-9		14		14		11-9	
" Rider Plate		10 1/2		11		10 1/2		11		11	
" Bulb Plate to Intercoastal Keelson											
" Horizontal Plates on Floors											
" Angles		5 3 1/2		4		5 3 1/2		4		4	
SIDE KEELSON, Angles		5 3 1/2		4		5 3 1/2		4		4	
" Bulb or Plate above floors for											
" Intercoastal Plate for				6				6		6	
" Attached to outside plating with Angle ..		3 3		4		3 3		4		4	
BILGE KEELSON, Angles ...		4 3		8		4 3		8		8	
" Bulb or Plate above floors for											
" Intercoastal Plate for											
" Attached to outside plating with Angle ..											
BILGE STRINGER Angles		5 3 1/2		4		5 3 1/2		4		4	
" Bulb Plate for				4				4		4	
" Intercoastal Plate for											
" Attached to outside plating with Angle ..		3 3		4		3 3		4		4	
SIDE STRINGER Angles		5 3 1/2		4		5 3 1/2		4		4	
" Bulb or Intercoastal Plate for		12		12		12		12		12	
" Attached to outside plating with Angle ..		3 3		4		3 3		4		4	

Main and Raised Quarter Deck Stringer Plate, breadth and thickness	33-24	10-8	33-24	10-8
" Angle on ditto	4 x 4	8-7	4 x 4	8-7
" Tie Plates, outside Hatchways				
" Diagonal Tie Plates on Bms., No. of Pairs ..				
" Main Dk* Iron or Steel for		6		6
" R. Q. Dk* Iron or Steel for		6		6
" Wood Deck, Material & thickness	2 1/2 X 2 R. AND ON RQD NET 2 1/2 X 2 R.			
Lower Deck Stringer Plate, breadth and thickness				
" Angles on ditto, No.				
" Tie Plates, outside Hatchways				
" Deck* Material and thickness				
Hold Stringer Plate				
" Angles on ditto, No.				
Poop Deck Stringer Plate, breadth & thickness				
" Angle on ditto				
" Tie Plates				
" Deck, Material and thickness				
Bridge or Pt. Awning Deck Stringer Plate, breadth and thickness	24	4	24	4
" Angle on ditto	3 x 3	4	3 x 3	4
" Tie Plates	9	5	9	5
" Deck, Material and thickness	2 1/2	2 1/2	2 1/2	2 1/2
Forecastle Deck Stringer Plate, brdth & thcknss		6		6
" Angle on ditto	3 x 3	4	3 x 3	4
" Tie Plates		6		6
" Deck, Material and thickness	2 1/2	2 1/2	2 1/2	2 1/2
* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.				

BULKHEADS.				STIFFENERS.				Single or Double Frames.		Height up	
In Vessel.		Per Rule.	Thickness.	Horizontal.		Vertical.					
			16ths or 20ths in Ship.	Size.	Spacing.	Size.	Spacing.				
W.T. BULKHEADS		4	4	6-5	-	4 1/2 x 3 1/2	30	Double		M.B.	
PARTITION		4		6-5	3 1/2 x 3 1/2 (one)	3 1/2 x 3 1/2	30				
LONGITUDINAL											

Are the outside Plates doubled two spaces of Frames in length?		Yes Rule 14
Are the Stucco Valves and Watertight Doors in efficient working order?		Yes

PLATING. RIVETING. BUTTS. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. Ordinary or Joggled? RIVETS. Double or Treble and for what Length. RIVETS. STRAPS. IF LAPPED. Length and thickness of Bilges. Length and thickness of Sheerstrakes. Length and thickness of Strake below. POOR SIDES. RAISED QUARTER DECK SIDES. BRIDGE SIDES. FORECASTLE SIDES. LENGTHS OF PLATING. 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, outside Plating, &c. Has the Steel been tested as required by the Rules. FRAMES extend in one length from to. REVERSED FRAMES on floors and frames extend from to. MASTS, SPARS, &c. LOWER MASTS. Topmasts, Yards and Remainder of Spars. Riggers, Material and Size, Shrouds. Sails. Equipment No. Anchors. Tonnage U.D.K. or Plating No. for Trawlers. CHAIN CABLES. HAWSERS AND WARPS. Boats. Pumps, Number. Windlass is. Engine Room Skylights. What arrangements for deadlights in bad weather? Coal Bunker Openings. Number of Scuppers, and number 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 to each Hatch. Bulwarks, height above deck and description. The above is a correct description. Builder's Signature. Surveyor's Signature.

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

17. 26th Aug 1901. 18th Sept 1901. 26th Sept 1901. 20th Nov 1901. 13th Feb 1902.

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed where practicable*

Is the riveted work properly closed? *Yes*

Are the liners between the frames and plates solid single pieces? *Yes* *lapped frames* 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? *Yes a few.*

Are the butts of Plating, Stringers, &c., properly shifted and strapped? *Yes* State results of tests *Good*

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 Rules & approved. The materials and workmanship are of good quality. Iron plates are embedded in the cement under the sounding pipes. The keel has been sighted and found to be straight. Two forging reports are attached hereto.*

Note. The bulkhead in fore hold is watertight, but is not stiffened horizontally in accordance with the Rules.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *✓* ft., R.Q.D. or Break *105.11* ft., Bridge Dk. *22.49* ft., F'castle *30.41* ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. is joined to the B.D., this should be distinctly stated

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) *LD STEEL PART WOOD SHEATHED*

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

How are the surfaces preserved from oxidation? Inside *Boiled and coated with Paint* Outside *Paint.*

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

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>40.4</i>	<i>28</i>	Fore peak tank		
Double bottom, under Engines and Boilers,			After peak tank		
Double bottom, if under Engines only,	<i>11.0</i>	<i>13</i>	Deep tank, aft		
Double bottom, if under Boilers only,			Deep tank, forward		
Double bottom, forward,	<i>53.2</i>	<i>79</i>	Other tanks, if fitted,		

* 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. *21410*

Date *27th Aug. 1901*

No. *187* in builder's yard.

Dates of Surveys held while building

1901. Oct. 18. 21. 23. 25. 28. 31. Nov. 4. 6. 8. 13. 20. 22. 26. 28. Dec. 2. 5. 10. 12. 16. 18. 20. 24. 30. 1902. Jan. 8. 10. 13. 14. 17. 20. 23. 27. 29. 31. Feb. 3. 5. 7. 11. 14. 17. 25. March 3. 5. 10. 14. 18. 20. 27. 31. April 2. 7. 11. 16. 17. 22. May 1. 12. 16. 17.

Total No. of Visits. *58*

The amount of Entry Fee£ *2* : " : " Fees applied for, *21.5* 1902 *Disch.*

Special.....£ *40* : *16* : " Received by me, *CW*

Travelling Expenses, if any £ " : " : " *25/5* 1901

State whether the Vessel has been built under Special Survey

I am of opinion this Vessel should be Classed *A 100 A. 1. well Deck*

With, or without Freeboard, as condition of Class

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

Committee's Minute *Glasgow. 2-JUN 1902*

Character assigned *+ 100 H. (Steel) dlogh S.C.P.*

(Well deck)

When fee paid