

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

IRON OR STEEL STEAMER.

No. 28685

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

Received at London Office

Date of completion of Report *29th March 110*

Port of *Glasgow*

Date, First Survey *20th Oct. 109*

Last Survey *23rd March 1910*

Survey held at *Pauley*

On the *S.S. Walnut*

Rig *3 masted schooner*

TONNAGE under Tonnage Deck... *247.17*

ONE OR TWO DECKED VESSEL.

Master *A. Atkinson*

CLASS *+100A1*

Year of appointment *(1) As master in service of owner of present vessel: 1905 (2) As master of this vessel: 1910*

Do. of Poop *59.85*

Do. of Raised Qr. *8.95*

Do. of Bridge House *6.47*

Do. of Forecastle *2.47*

Do. of Houses on Deck *15.43*

Do. of excess of Hatchways *340.34*

Do. above Crown of *34.47*

Engine Room *305.87*

Gross Tonnage *152.60*

Less Crew Space *28.42*

Less above Crown of *34.47*

Engine Room *124.85*

TONNAGE FOR FEES *152.60*

Less Engine Room *28.42*

Less Navigation Spaces *34.47*

Crew *124.85*

Register Tonnage *124.85*

as cut on Beam

Half Breadth (moulded) *11.75*

Depth from upper part of Keel to top of Main Deck Bms. *11.77*

Girth of Half Midship Frame (as per Rule) *21.39*

1st Number *44.91*

Length on deck from after part of stem to fore part of stern post *141.48*

2nd Number *6354*

Proportions—Breadths to Length *6.02*

Depths to Length—Main Deck to top of Keel *11.9*

Destined Voyage *Coasting*

If Surveyed while Building, Afloat, or in Dry Dock *yes*

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams	Feet.	Inches.	No. of Decks with Flat laid	No. of Tiers of Beams
<i>141</i>	<i>5</i>		<i>23</i>	<i>6</i>		<i>10</i>	<i>5</i>	<i>3</i>	<i>one</i>	<i>one</i>

Dimensions of Ship per Register, Length, *142.6* breadth, *23.65* depth, *10.4* Moulded Depth, *11* ft. *3* ins. Round of Beam, Actual *5* ins.

FRAMING.						FORGINGS AND CASTINGS.					
	Inches in Ship.	Inches in Ship.	16ths or 32nds per Rule	Inches per Rule	16ths or 32nds per Rule		Inches in Ship.	Inches in Ship.	16ths or 32nds per Rule	Inches per Rule	16ths or 32nds per Rule
FRAME, Angles, <i>3</i> E <i>1</i> Bars, for $\frac{1}{2}$ length amidships	<i>3</i>	<i>2</i>	<i>5</i>	<i>3</i>	<i>2</i>	KEEL, Bar or Side Plates depth and thickness	<i>6</i>	<i>1</i>	<i>3</i>	<i>6</i>	<i>1</i>
Do. for $\frac{1}{2}$ at each end	<i>3</i>	<i>2</i>	<i>5</i>	<i>3</i>	<i>2</i>	STEM, moulding and thickness	<i>6</i>	<i>1</i>	<i>3</i>	<i>6</i>	<i>1</i>
Do. in way of Double Bottoms at Solid Floors						STERN-POST for Rudder do. do.	<i>6</i>	<i>1</i>	<i>3</i>	<i>6</i>	<i>1</i>
" " at intermdt. Bkts.						" for Propeller	<i>6</i>	<i>1</i>	<i>3</i>	<i>6</i>	<i>1</i>
Spacing of Frames from centre to centre		<i>21</i>			<i>21</i>	MAIN PIECE of Rudder, diameter at head	<i>4</i>	<i>1</i>	<i>3</i>	<i>4</i>	<i>1</i>
REVERSED FRAME, Angles	<i>2</i>	<i>2</i>	<i>5</i>	<i>2</i>	<i>2</i>	do. at heel	<i>3</i>			<i>3</i>	
DEEP FRAMING, depth of girder						RUDDER, how constructed <i>Single plate $\frac{13}{16}$ forged frame</i>					
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	<i>15</i>	<i>2</i>	<i>8</i>	<i>15</i>	<i>2</i>	Can the Rudder be unshipped afloat? <i>yes</i>					
" in way of Engines and Boilers	<i>12</i>	<i>2</i>	<i>8</i>	<i>12</i>	<i>2</i>	KEELSONS AND STRINGERS.					
" thickness at the ends of vessel		<i>7</i>			<i>7</i>	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate					
" depth at $\frac{1}{2}$ the half breadth, as per Rule						" Rider Plate					
" height extended at the Bilges						" Bulb Plate to Intercoastal Keelson					
FLOORS & BRACKETS, in Cell Dble Bottoms						" Horizontal Plates on Floors					
" " state if flanged (top & bottom)						" Angles <i>Two Bulb angles</i>	<i>10</i>	<i>3</i>	<i>8</i>	<i>10</i>	<i>3</i>
" " Spacing						SIDE KEELSON, Angles <i>one bulb</i>	<i>5</i>	<i>3</i>	<i>8</i>	<i>5</i>	<i>3</i>
CENTRE GIRDER, in Double Bottom, depth and thickness						" Bulb or Plate above floors for lng.					
" " Angles, Top						" Intercoastal Plate for <i>full</i> length					
" " Bottom						" Attached to outside plating with Angle	<i>2</i>	<i>2</i>	<i>4</i>	<i>2</i>	<i>2</i>
SIDE GIRDERS, number on each side & thickness state if flanged (top & bottom)						BILGE KEELSON, Angles <i>one bulb</i>	<i>6</i>	<i>3</i>	<i>12</i>	<i>6</i>	<i>3</i>
" " Angles						" Bulb or Plate above floors for lng.					
MARGIN PLATE, depth (exclusive of flange) and thickness						" Intercoastal Plate for length					
" " Angles to Outside Plating						" Attached to outside plating with Angle					
" " Floors						BILGE STRINGER Angles <i>one bulb</i>	<i>5</i>	<i>3</i>	<i>8</i>	<i>5</i>	<i>3</i>
" " Height of Floors at the Bilges						" Bulb Plate for <i>full</i> length					
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake						" Intercoastal Plate for length					
" " thickness in Engine and Boiler space						" Attached to outside plating with Angle	<i>5</i>	<i>3</i>	<i>7</i>	<i>5</i>	<i>3</i>
" " Remainder in Holds						SIDE STRINGERS Angles <i>one bulb</i>	<i>6</i>	<i>3</i>	<i>9</i>	<i>6</i>	<i>3</i>
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	<i>4</i>	<i>3</i>	<i>6</i>	<i>4</i>	<i>3</i>	" Bulb or Intercoastal Plate for <i>full</i> lng.	<i>3</i>	<i>2</i>	<i>5</i>	<i>3</i>	<i>2</i>
" " Angles on Upper Edge						" Attached to outside plating with Angle					
" " Spacing		<i>21</i>			<i>21</i>	Main and Raised Quarter Deck Stringer Plate, breadth and thickness	<i>34</i>	<i>7</i>	<i>34</i>	<i>7</i>	
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						" Angle on ditto	<i>3</i>	<i>3</i>	<i>6</i>	<i>3</i>	<i>3</i>
" " Angles on Upper Edge						" Tie Plates, outside Hatchways					
" " Spacing						" Diagonal Tie Plates on Bms., No. of Pairs					
BEAMS, Hold, Plate or Tee Bulb						" Main Dk* Iron or Steel for <i>full</i> lng.					
" " Angles on Upper Edge						" R.Q. Dk* Iron or Steel for <i>full</i> lng.					
" " Spacing						" Wood Deck, Material & thickness					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb						Lower Deck Stringer Plate, breadth and thickness					
" " Angles on Upper Edge						" Angles on ditto, No.					
" " Spacing						" Tie Plates, outside Hatchways					
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb	<i>4</i>	<i>3</i>	<i>6</i>	<i>4</i>	<i>3</i>	" Deck* Material and thickness					
" " Angles on Upper Edge						Hold Stringer Plate					
" " Spacing		<i>42</i>			<i>42</i>	" Angles on ditto, No.					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	<i>5</i>	<i>3</i>	<i>7</i>	<i>5</i>	<i>3</i>	Poop Deck Stringer Plate, breadth & thickness					
" " Angles on Upper Edge						" Angle on ditto					
" " Spacing		<i>42</i>			<i>42</i>	" Tie Plates					
PILLARS, In 'tween Decks, Size and Spacing						" Deck, Material and thickness					
" " Hold						Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness	<i>18</i>	<i>5</i>	<i>18</i>	<i>5</i>	
" " Quarter, 'tween Dks., " "	<i>4</i>	See Profile	<i>4</i>	See Profile		" Angle on ditto	<i>2</i>	<i>2</i>	<i>5</i>	<i>2</i>	<i>2</i>
" " in Hold						" Tie Plates	<i>12</i>	<i>4</i>	<i>12</i>	<i>4</i>	
WEB FRAMES, In Fore Body, No. and Spacing	<i>4</i>	See Profile	<i>4</i>	See Profile		" Deck, Material and thickness	<i>2</i>	<i>2</i>	<i>5</i>	<i>2</i>	<i>2</i>
" " Brdth. & Thickness	<i>14</i>	<i>7</i>	<i>14</i>	<i>7</i>		Forecastle Deck Stringer Plate, brdth & thcknss	<i>33</i>	<i>5</i>	<i>33</i>	<i>5</i>	
" " No. of Side Stringers	See under stringers					" Angle on ditto	<i>2</i>	<i>2</i>	<i>5</i>	<i>2</i>	<i>2</i>
WEB FRAMES, In E. & B. Space, No. & Spacing						" Tie Plates	<i>48</i>	<i>5</i>	<i>48</i>	<i>5</i>	
" " Brdth. & Thickness	<i>3</i>	See Profile	<i>3</i>	See Profile		" Deck, Material and thickness	<i>2</i>	<i>2</i>	<i>5</i>	<i>2</i>	<i>2</i>
WEB FRAMES, In After Body, No. and Spacing	<i>14</i>	<i>7</i>	<i>14</i>	<i>7</i>		* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.					
" " Brdth. & Thickness	<i>2</i>	<i>2</i>	<i>2</i>	<i>2</i>		BULKHEADS.					
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness						In Vessel.					
						Per Rule.					
						Thickness.					
						Horizontal.					
						Vertical.					
						Single or Double Frames.					
						Height up.					

PLATING.

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.	RIVETING.										
	AMIDSHIP.		FORWARD.			AFT.		EDGES.		BUTTS.		IF LAPPED.				
	Breadth.	Thickness.	Breadth.	Thickness.		Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.			
FLAT PLATE KEEL	31	8	8	8	31	8	Double	4 1/2	3/4	3	3/4	2 5/8	14 1/4	9	2	1
GARBOARD OR A STRAKE	6	5	5	5	6	5	"	"	"	"	"	"	"	"	7 1/2	full
B	8	6	6	6	8	6	"	"	"	"	"	"	"	"	"	"
C	7	6	6	6	7	6	"	"	"	"	"	"	"	"	"	"
D	8	6	6	6	8	6	"	"	"	"	"	"	"	"	"	"
E	6	5	5	5	6	5	"	"	"	"	"	"	"	"	"	"
F	32	10	7	7	32	10	"	"	"	"	"	"	"	"	"	"
G							"	"	"	"	"	"	"	"	"	"
H							"	"	"	"	"	"	"	"	"	"
I							"	"	"	"	"	"	"	"	"	"
J							"	"	"	"	"	"	"	"	"	"
K							"	"	"	"	"	"	"	"	"	"
L							"	"	"	"	"	"	"	"	"	"
M							"	"	"	"	"	"	"	"	"	"
N							"	"	"	"	"	"	"	"	"	"
O							"	"	"	"	"	"	"	"	"	"
P							"	"	"	"	"	"	"	"	"	"
DOUBLING OF FLAT PLATE KEEL																
Length of Bilges	72-0	1-6	6	3/4												
Length of Sheerstrake	18-0	1-6	6	3/4												
Length of Strake below																
POOP SIDES																
RAISED QUARTER DECK SIDES																
BRIDGE SIDES	7-6															
FORECASTLE SIDES																
LENGTHS OF PLATING	Seven frame strakes															

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. *Open heart process The Steel Company of Scotland, Ltd. The Ironworks Co. & Steel Co., Ltd. The Lanarkshire Steel Co. Ltd.*

Has the Steel been tested as required by the Rules *yes*

FRAMES extend in one length from *centre line* to *deck* state if ordinary or joggled *ordinary*

REVERSED FRAMES on floors and frames extend from *centre line* to *upper turn of bilge in way of main strake* state if ordinary or joggled *ordinary*

Hold strakes and deck alternately in way of B.Q.D. Strake top and main deck all in way of forecastle; double across floor in E.C. strake

MASTS, SPARS, &c.

LOWER MASTS.	Material.	Total length.	DIAMETER AND THICKNESS.		At Partners.	Heads.	No. of Plates in round.	ANGLES.		Seams.	Butts.
			Heads.	Heads.				Number.	Size.		
Fore	<i>Alth. fine</i>	<i>45-6</i>	<i>1 1/2</i>	<i>Pole mast</i>	<i>5</i>	<i>5</i>	<i>5</i>	<i>5</i>	<i>5</i>	<i>5</i>	<i>5</i>
Main	<i>"</i>	<i>49-9</i>	<i>1 3/4</i>	<i>"</i>	<i>5</i>	<i>5</i>	<i>5</i>	<i>5</i>	<i>5</i>	<i>5</i>	<i>5</i>
Mizen	<i>"</i>	<i>32-6</i>	<i>1 1/2</i>	<i>"</i>	<i>5</i>	<i>5</i>	<i>5</i>	<i>5</i>	<i>5</i>	<i>5</i>	<i>5</i>

Bowsprit *"*

Topmasts, Yards and Remainder of Spars *"*

Rigging, Material and Size, Shrouds *Galvanized steel wire, main 3 2 1/2 each side. Stays Galvanized steel wire, main 2 2 1/4. Mizzen 1 2 1/2*

Sails *one* Suit of *"*

Equipment No. *7274* Letter *F*

ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 22.			Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.				lbs.
63626	1st Bower	9	0	24	Stainless	11	6	3	14	9	0	0	9	0	0	<i>Stainless (wrought iron)</i>	<i>S. Taylor & Sons, Newcastle, 19/2/10. Green</i>
63457	2nd "	9	0	17	Stainless	11	6	3	14	9	0	0	9	0	0	<i>Stainless (wrought iron)</i>	<i>Not stated, Newcastle, 29/1/09. Green</i>
	3rd "																
	Collective weight	18	1	13						18	0	0					
63632	Stream	3	0	1	0	3	5	5	12	0	21	3	0	0	Ordinary	<i>S. Taylor & Sons, Newcastle, 19/2/10. Green</i>	
63631	Kedge	1	1	0	0	1	10	3	13	0	14	1	1	0	Ordinary	<i>S. Taylor & Sons, Newcastle, 19/2/10. Green</i>	

CHAIN CABLES.

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length & Size per Table 22.	Description.	Makers of Cables.	Where and when tested and Superintendent.
			Supplied.	Per Table 22.				
45401	165-1	18-27	84-2	434-0	17	165-1	<i>Steel</i>	<i>S. Taylor & Sons, Newcastle, 19/2/10. Green</i>
	45-2 3/4	15 1/2				45-2 3/4	<i>Steel wire manufactured by Messrs. The Swan, Renfrew, Co. Ltd.</i>	

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.	Breaking Test of Steel Wire.	Length and size supplied.	Breaking Test of Steel Wire.
	75-22	122	75-22	122
	90-5 1/2		90-5 1/2	

Boats. *Two*

Pumps, Number. *Two*

Windlass is messengers from wheel (mess junks, &c.) *Capstan*

Engine Room Skylights. How constructed? *Steel or steel casings*

What arrangements for deadlights in bad weather? *Lead plates with brass guards*

Coal Bunker Openings. How constructed? *Plates and angles* How are lids secured? *Chains & latches* Height above deck? *7-0*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *In forward well - 3 scuppers each side*

Ceiling in Holds, thickness and material *2" P.P.* Cargo Battens, thickness and material *1 1/2" P.P.*

Cargo Hatchways. How formed? *Steel plates and angles* Hatches. If strong and efficient? *yes*

State size No. 1 Hatch (Forward) *24-6 x 12-0* No. 2 Hatch *21-0 x 12-0* No. 3 Hatch *"* No. 4 Hatch *"*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *No. 1 hatch - two web plates and three fore & afters*

No. 2 hatch - two web plates and three fore & afters No. of Breasthooks *four* No. of Crutches *three*

Buttresses, height above deck and description *4-0 Steel plates* Main Rail and Stays, material and size *2 1/2" Solid iron*

The above is a correct description. *John Taitton R.C.* Surveyor's Signature *Geo M Shaw* Surveyor to Lloyd's Register of British and Foreign Shipping.

Builder's Signature (here only).

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

5th October, 1909. (M) 1st November, 1909. (E) 7th March 1910. (M.)

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 facing 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. 23, par. 24)? *yes* State results of tests *satisfactory*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *yes* State results of tests *satisfactory*

General Remarks (State quality of workmanship, &c.) *workmanship good*

This vessel has been built in accordance with the approved plans. The Secretary of the above dates, and in general conformity to the Rules for the class contemplated.

3 Plans 1 Jorging form

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *4* ft., R.Q.D. or Break *79-6* ft., Bridge Dk. *7-0* ft., F'castle *24-5* 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

the raised quarter deck is joined to the 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 D.K. 1 R.N.*

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

How are the surfaces preserved from oxidation? Inside *paint and 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.
Double bottom, aft,			Fore peak tank,		45
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft		
Double bottom, if under Boilers only,			Deep tank, forward		
Double bottom, forward,			Other tanks, if fitted,		

Total capacity *"* (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. *4440*

Date *11-09*

No. *214* in builder's yard.

Dates of Surveys held while building

1909. Oct 20. 29. Nov 4. 8. 10. 15. 18. 24. 29. Dec 6. 8. 15. 17. 20. 24. 29. 1910. Jan 12. 14. 17. 20. 23. 26. 27. 31. Feb 4. 7. 15. 17. 21. 25. 28. March 3. 8. 10. 14. 17. 21. 23.

Total No. of Visits *38*

The amount of Entry Fee *£ 2*

Special *£ 15-6*

Received by me, *Geo M Shaw*

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 A 1*

With, or without Freeboard, as condition of Class *without*

GLASGOW 30 MAR. 1910

Committee's Minute *+ 100 A 1*

Character assigned *+ 100 A 1*

3. 10.

Lloyd's atrop

+ L M C 3. 10.

Geo M Shaw

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

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