

# STEEL STEAMER.

Received at London Office .....

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

Date of completion of report November 10<sup>th</sup> 1919 Port of Aberdeen No. 12301  
Survey held at Aberdeen Date, First Survey 28-1-19 Last Survey November 4<sup>th</sup> 1919

On the (State if Single, Twin, or Triple Screw)

SINGLE SCREW == "TARN WATER." ==

Rig Schooner

**TONNAGE under ) 393.97**

CLASS ~~✕~~ 100. A. 1.

FEET.

Master W. H. Tregenna.

Year of appointment

(1) As Master in service of owner of present vessel:—1914  
(2) As Master of this vessel:—NOVEMBER 1914

**Total under Upper Dk.** .....

**Breadth** (*greatest moulded*) ..... 26.875.

Built at Aberdeen.

When built 1919. Launched 10-9-19.

By whom built John Lewis & Sons L<sup>d</sup>

Owners Mason Shipping Co. Ltd.  
1 1 2 1 1

Manager: J. C. Fisher Esq.  
(Where necessary to be entered in Reg. Book.)  
Died 1886

Residence 14 Water St. Liverpool.  
Port belonging to Liverpool.

Register Tonnage } 261.90  
as cut on Beam .. }

*Destined Voyage* *Coasting* *If Surveyed while Building, Afloat, or in Dry Dock* *First Entry*

<b>LENGTH</b> on Deck as per Rule ....	Feet. 164	Inches. 7.	<b>BREADTH</b> — Moulded ....	Feet. 26	Inches. 10½	<b>DEPTH, ACTUAL</b> —Top of Floors to top of Upper Dk. Beams do. do. do. do.	Feet. 10	Inches. 8½	No. of Decks with flat laid	one
						do. do. do. do.	Feet. 14	Inches. 2½	No. of Tiers of Beams	one.

Dimensions of Ship per Register, Length 164.8 breadth 27.0 depth 11.1

Moulded depth, ft.  $\checkmark$  ~~ins.~~  $\checkmark$  To Bridge Dk. Round of Upper }  
Moulded depth, ft. 13 ins.  $2\frac{1}{2}$  To Upper Dk. Dk. Beam, Actual } 7 ins.

FRAMING.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
<b>FRAME, Angles, <del>or E or L</del></b> <sup>AT UPPER DECK.</sup> <del>Base amidships</del>	4"	3"	4 1/4"	4"	3"
Do. in peaks	4"	3"	3 3/8"	4"	3"
Do. in way of Double Bottoms at Solid Floors: A	6"	3"	3 3/8"	6"	3"
" UNDER R.Q.D. AT OPEN FLOORS = B.A.	6"	3"	3 3/8"	6"	3"
" REME <sup>at intermediate Plats</sup>	6"	3"	3 3/8"	6"	3"
" INTERMEDIATE ANGLES FORWARD OF 1/2 L.	4"	3"	3 3/4"	4"	3"
Spacing of Frames from centre to centre amidships	22"			22"	
" " length to Collision bulkhead } from 1/2 }	22"			22"	
" " " " " in peaks..	22"			22"	
<b>REVERSED FRAME, Angles.</b>	3"	3"	2 3/8"	3"	3"
Do. in way of Double Bottoms at Solid Floors...	3"	3"	2 3/8"	3"	3"
" " " " " at intermdt. Plats	4 1/2"	6"		4 1/2"	6"
<b>FRAMING, depth of girder</b> <sup>CLEAR OF B. BOTTOMS</sup>	17 1/2"	32"		17 1/2"	32"
<b>FLOORS, depth and thickness of Floor Plate</b> <sup>at mid-line for 1/2 length amidships</sup>	E = 32. B = 42	E = 32. B = 42		E = 32. B = 42	E = 32. B = 42
" in way of Engine and Boiler Spaces	28"			28"	
" thickness at the ends of vessel	28"			28"	
" depth at 1/2 the half breadth, as per Rule	straight across as per plan.				
" height extended at the Bilge	28"			28"	
<b>FLOORS in Cell. Double Bottoms.</b>	no.			no.	
" state if flanged (top & bottom).	22"			22"	
" Spacing of Solid floors	30"	36"	30"	36"	30"
<b>CENTRE GIRDER, in Dbl. bottom, dpth. &amp; thickness.</b>	3 1/2"	3 1/2"	3 3/8"	3 1/2"	3 3/8"
" " " " " SINGLE	3 1/2"	3 1/2"	3 3/8"	3 1/2"	3 3/8"
" " " " " DOUBLE. FOR 1/2 OF 1/2 L.	3 1/2"	3 1/2"	3 3/8"	3 1/2"	3 3/8"
" " " " " Bottom.	3"	3"	2 3/8"	3"	3"
" " " " " to Floors	2 1/2"	2 1/2"	2 3/8"	2 1/2"	2 3/8"
" Brackets at intermdt. frmg. with & thickness	One	28"	One	28"	
<b>SIDE GIRDERS, number on each side &amp; thickness</b>	For 1/2 length.	For 1/2 length.		For 1/2 length.	For 1/2 length.
" " state if flanged (top & bottom)	3"	3"	2 3/8"	3"	3"
" " Angles (top and bottom)	2 1/2"	2 1/2"	2 3/8"	2 1/2"	2 3/8"
" " " " " to Floors	26"	30"		26"	30"
<b>MARGIN PLATE, depth (exclusive of flange) and thickness.</b>	3"	3"	3 3/8"	3"	3"
" Angle to Outside Plating	3"	3"	2 3/8"	3"	3"
" " " " " Floors	2"			2"	
" Brackets at intermdt. frmg. with & thickness	36"	34"	30"	36"	34"
<b>INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake</b>	36"	34"	30"	36"	34"
" " " " " in Engine and Boiler space	36"	34"	30"	36"	34"
" " " " " WAY OF MATCHES.	28"			28"	
" " " " " Remainder in Holds.	5"	3"	3 3/8"	5"	3"
<b>BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel</b>	4"	3"	3 3/8"	4"	3"
" " " " " In way of Lone Divider	7"	3"	7 1/8"	6"	3"
" " " " " AT HATCH ENDS = B.A.	22"			22"	
" Spacing	4"	3"	4 1/4"	4"	3"
<b>BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel</b>	4"	3"	3 3/8"	4"	3"
" " " " " In way of Lone Divider	7"	3"	7 1/8"	6"	3"
" " " " " AT HATCH ENDS = B.A.	22"			22"	
" Spacing	4"	3"	4 1/4"	4"	3"
<b>BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel</b>	4"	3"	3 3/8"	4"	3"
" " " " " In way of Lone Divider	7"	3"	7 1/8"	6"	3"
" " " " " AT HATCH ENDS = B.A.	22"			22"	
" Spacing	4"	3"	4 1/4"	4"	3"
<b>BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel</b>	4"	3"	3 3/8"	4"	3"
" " " " " In way of Lone Divider	7"	3"	7 1/8"	6"	3"
" " " " " AT HATCH ENDS = B.A.	22"			22"	
" Spacing	4"	3"	4 1/4"	4"	3"
<b>BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel</b>	4"	3"	3 3/8"	4"	3"
" " " " " In way of Lone Divider	7"	3"	7 1/8"	6"	3"
" " " " " AT HATCH ENDS = B.A.	22"			22"	
" Spacing	4"	3"	4 1/4"	4"	3"

PILLARS.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
<b>PILLARS In 'tween Deck, size and spacing</b>	2 3/8"	4 1/4"	2 3/8"	4 1/4"	
" " Hold	2 3/8 to 3"	spaced 4 1/4"	with		
" " Quarter 'tween Deck	2 built Pillars	at Hatch ends			
" " in Hold	double B.A.	= 5 1/2 x 3 x 3 1/4"			
<b>KEELSONS &amp; STRINGERS.</b>	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
<b>CENTRE LINE KEELSON</b> <sup>Vertical Plates above floors, Through Plate, or Intercoastal Plate</sup>	20 1/2"	40"		20 1/2"	40"
" <del>Rider Plate</del>	3 1/2"	3 1/2"	3 3/8"	5"	50"
" Flat Plate Keel Angles	DOUBLE				
" <del>Horizontal Plates on Floors</del>	6"	3"	40"	6"	3"
" <del>Angles or Bulb Angles</del>	one.			one.	
<b>SIDE KEELSONS, Number</b>	5"	3"	44"	5"	3"
" Angles or Bulb Angles	3"			3"	
" Plate above floors, for <sup>BOILER SPACE</sup> length			30"		30"
" Intercoastal Plate, for <sup>BOILER SPACE</sup> length	3"	3"	30"	3"	30"
" Attached to outside Plating with Angle					
<b>BILGE KEELSON, Angles</b>					
" Intercoastal Plate for <sup>length</sup>					
" Attached to outside Plating with Angle					
<b>SIDE STRINGERS, Number</b>	one				
" <sup>BOILER</sup> Angle BEAMS	6"	3"	36"	6"	36"
" <sup>STRINGER</sup> Intercoastal Plate, for <sup>FULL</sup> length			30"		30"
" Attached to outside plating with Angle	4 1/2"	4 1/2"	34"	4 1/2"	34"
<b>Upper Deck Stringer Plate, br'dth &amp; thickness</b> (clear of Bridge)	71	40 to 32"		40 to 32"	
" " " " " br'dth & thickness (in way of Bridge)	3 1/2 x 3 1/2 x 42"	3 1/2 x 3 1/2 x 32"		3 1/2 x 3 1/2 x 32"	
" " " " " Angle (clear of Bridge)					
" " " " " Tie Plate at sides of Hatchways					
" Deck * <sup>Iron or Steel</sup> for <sup>FULL</sup> lng.	30 to 26"			30 to 26"	
" " Thickness (clear of Bridge)	30 to 26"			30 to 26"	
" " (in way of Bridge)	30"			30"	
<del>Wood Deck, Material &amp; thickness</del>					
<b>W.T. FLAT FOR</b>	34 1/2"	30"		34 1/2"	30"
<b>Second Deck Stringer Plate, br'dth &amp; thickness</b>	4 x 3 x 36"			4 x 3 x 36"	
" <sup>BEAMS</sup> Angles on ditto, No.					
" Tie Plates outside Hatchways					
" Deck * <sup>Iron or Steel</sup> for <sup>FULL</sup> lng.	28"			28"	
<del>Wood Deck, Material &amp; thickness</del>					
<b>Third Deck Stringer Plate, br'dth &amp; thickness</b>					
" Angles on ditto, No.					
" Tie Plates, outside Hatchways					
<del>Deck * Material and thickness</del>					
<b>Fourth and Fifth Deck Stringer Plate, br'dth &amp; thickness</b>					
" Angles on ditto, No.					
" Tie Plates outside Hatchways					
<del>Deck, Material &amp; thickness</del>					
<b>RAISED OR</b> <sup>Deck, Material &amp; thickness</sup>	68"	36 to 32"		36 to 32"	
<b>Peep Deck Stringer Plate, breadth &amp; thickness</b>	3 x 3 x 38 to 32"			3 x 3 x 38 to 32"	
" Angle on ditto					
" Tie Plates					
" Deck. Material and thickness	STEEL.	30 to 26"		30 to 26"	
<b>Bridge Deck Stringer Plate, br'dth &amp; thickness</b>	FULLY PLATED	26"			
" Angle on ditto	3 x 3 x 24"			3 x 3 x 24"	
" Tie Plates					
" Deck. Material and thickness	STEEL.	26" SHEATHED WITH 2 1/2" P. PINE			
<b>Forecastle Deck Stringer Plate, br'dth &amp; thickness</b>	FULLY PLATED	26"			
" Angle on ditto	3 x 3 x 24"			3 x 3 x 24"	
" Tie Plates					
" Deck. Material and thickness	STEEL.	26" SHEATHED WITH 2 1/2" P. PINE			
" CENTRE STRAKE		30"			30"

\* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

\* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.



EQUIPMENT No. 7251.				LETTER H.				ANCHORS.				TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS.																																																																																	
Number of Certificate.		Anchors.		WEIGHT, EX. STOCK.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY TABLE 31.		Description of Anchor.		Makers.		Where and when tested and Superintendent.																																																																													
				Cwts. qrs. lbs.		Cwts. qrs. lbs.		Tons. cwt. qrs. lbs.		Cwts. qrs. lbs.																																																																																			
51740.		1st Bower		12 1 18		STOCKLESS.		14 4 0		12 2 0		Halls' pattern				Tipton 30-12-18. H.C. LEESON.																																																																													
52434.		2nd "		12 1 14				14 4 0		12 2 0		"				" 16-4-19. C.E. PERRIN.																																																																													
23825.		3rd "		10 3 14				12 15 1		10 2 0		"				Low Walker 30-6-19. A. GREEN.																																																																													
		4th "		35 2 18						35 2 0																																																																																			
		Collective weight.																																																																																											
31790.		Stream		4 0 0		1 0 0		6 7 2		4 0 0		Ordinary F.W. iron				MOUNTFORD PHILLIPS. C.H. 20-6-19. S.C. PAUL.																																																																													
31789.		Kedge		1 3 8		2 0 0		4 7 0		21 1 3																																																																																			
<p>Particulars of <b>Drop Test</b> of—  Cast Steel Anchors, viz.:—  Weight, Surveyor's Initials.  Number of Certificate, Date of Test.</p>																																																																																													
<p><b>CHAIN CABLES.</b></p> <table border="1"> <thead> <tr> <th rowspan="2">Number of Certificate.</th> <th colspan="2">Length and size supplied.</th> <th rowspan="2">Test per Certificate.</th> <th colspan="2">WEIGHT OF CHAIN CABLE.</th> <th rowspan="2">Length and Size per Table 31.</th> <th rowspan="2">Description.</th> <th rowspan="2">Makers of Cables.</th> <th rowspan="2">Where and when tested, and Superintendent.</th> <th rowspan="2">Material.</th> <th colspan="2">Length and size supplied.</th> <th rowspan="2">Breaking Test of Steel Wire Towline.</th> <th colspan="2">Length and Size per Table 31.</th> </tr> <tr> <th>Length.</th> <th>Diam.</th> <th>Supplied.</th> <th>Per Rule.</th> <th>Length.</th> <th>Diam.</th> <th>Length.</th> <th>Cir.</th> <th>Length.</th> <th>Cir.</th> </tr> </thead> <tbody> <tr> <td>26810.</td> <td>105</td> <td>1 1/2</td> <td>22 1/2</td> <td>66-0-16</td> <td>126-1-0</td> <td>195</td> <td>1 1/2</td> <td>STUD.</td> <td>C.H. 25-6-19. S.C. PAUL.</td> <td>TOWLINE</td> <td>75</td> <td>2 1/4</td> <td>15 1/2</td> <td>75</td> <td>2 1/4</td> </tr> <tr> <td>26809.</td> <td>90</td> <td>1 1/2</td> <td>22 1/2</td> <td>60-0-0</td> <td>126-1-0</td> <td>195</td> <td>1 1/2</td> <td>STEEL WIRE.</td> <td>"</td> <td>HAWSERS &amp; WARPS</td> <td>90</td> <td>2 1/4</td> <td>9 1/2</td> <td>90</td> <td>2 1/4</td> </tr> <tr> <td colspan="18"> <p>James Spence &amp; Co. Ltd. (Incorporated in Scotland)  Steel Wire</p> </td> </tr> </tbody> </table>																		Number of Certificate.	Length and size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length and Size per Table 31.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire Towline.	Length and Size per Table 31.		Length.	Diam.	Supplied.	Per Rule.	Length.	Diam.	Length.	Cir.	Length.	Cir.	26810.	105	1 1/2	22 1/2	66-0-16	126-1-0	195	1 1/2	STUD.	C.H. 25-6-19. S.C. PAUL.	TOWLINE	75	2 1/4	15 1/2	75	2 1/4	26809.	90	1 1/2	22 1/2	60-0-0	126-1-0	195	1 1/2	STEEL WIRE.	"	HAWSERS & WARPS	90	2 1/4	9 1/2	90	2 1/4	<p>James Spence &amp; Co. Ltd. (Incorporated in Scotland)  Steel Wire</p>																	
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<p><b>Boats</b> 2 Life Boats and 1 Dinghy. <b>Steering Gear, Steam</b> Yes. <b>Steering Gear, Hand</b> Yes.  <b>Pumps, Number</b> Four. <b>Diameter of Barrel 4" for 3"</b> State whether they are in efficient working order Yes.  <b>Windlass is</b> Steam by "Clarke Chapman". <b>Capstan</b> Steam 5' x 6" by Clarke Chapman.  <b>Engine Room Skylights.</b>—How constructed? S. plates &amp; angles. C.I. Flaps. What arrangements for deadlights in bad weather? Strong Bulls eyes.  <b>Coal Bunker Openings.</b>—How constructed? S. plates &amp; angles. How are lids secured? Beats &amp; battens. Height above deck? 7' 0".  <b>Number of Scuppers,</b> and numbers and dimensions of <b>Freeing Ports, &amp;c.</b> M.D.S. = 2 Scuppers each side &amp; 3 Freeing Ports each side 2' 6" x 18".  <b>Ceiling in Holds,</b> thickness and material 2 1/2" White wood, right across. <b>Cargo Battens,</b> thickness and material 6" x 2" W.W. 2' 5" x 16".  <b>Cargo Hatchways.</b>—How formed? Steel plates and angles. <b>Hatches,</b> If strong and efficient? Yes. 2 1/2" W.W.  <b>State size No. 1 Hatch (Forward)</b> 27' 9" x 14' 9" x 3' 6". <b>No. 2 Hatch</b> 29' 6" x 14' 9" x 3' 0". <b>No. 3 Hatch</b> 5' 0" x 14' 9" x 3' 0". <b>No. 4 Hatch</b> —  <b>Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch</b> 5 Web plates to each Hatch. <b>No. of Breasthooks</b> Two. <b>No. of Crutches</b> Deep Floors.  <b>Bulwarks,</b> height above deck and description U.D.K. = 3' 6". R.Q.D.K. = 3' 0". <b>Main Rail, material and size</b> Bull angle 6" x 3" x 35".  The foregoing is a correct description of the vessel. <b>Surveyor's Signature</b> J. Richardson  Builder's Signature (here only) C. W. Wilson  <b>Correspondence.</b>—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)  M. 23-12-18. <b>Surveyor's Manager</b> M. 23-6-19.  <b>Workmanship.</b> 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? Shell joggled. Do the holes for riveting plate to frames, butt straps, or plate to plate, &amp;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, &amp;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.  <b>General Remarks (State quality of workmanship, &amp;c.)</b>  This vessel has been built under Special Survey, and in accordance with the Secretary's letters, the Rules, and approved plans, for the intended class 100 A.I. The Materials and Workmanship are good.  The approved plans are now in London with Aberdeen Report No 12284. S. S. "Freeland" which is a sister ship.</p>																																																																																													
<p>The Surveyor should state the Number of Report and Name of any Sister Vessel.  Plans to be forwarded with F.E. Report showing vessel as built.</p>																																																																																													
<p>The amount of Entry Fee ..... £ 3 : 0 : 0. Fees applied for, Nov. 11<sup>th</sup> 1919  Special Survey Fee.... £ 25 : 12 : 0. Received by me, 29/11/19 J.R.  Travelling Expenses, if any £ : : Yes.  State whether the Vessel has been built under Special Survey ✖ 100 A.I.  I am of opinion this Vessel should be Classed without.  With, or without Freeboard, as condition of Class</p>																																																																																													
<p><b>Committee's Minute</b> 10001  <b>Character assigned</b> Lloyd's A &amp; B. P. + L.M.B. 11.19.</p>																																																																																													



GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Peep ☒ ft., R.Q.D. 94.25 ft., Bridge 11.06 ft., Forecastle 21.42 ft.  
(in feet and tenths). When the Peep 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). One deck (steel.) ☒

Official No. 143599; Signal Letters ☒ State if Machinery is fitted aft Yes. ☒  
How are the surfaces preserved from oxidation? Inside Portland cement and paint. 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, N <sup>o</sup> 2.	44.	60.	Fore peak tank,	18.33.	44.
Double bottom, under Engines and Boilers,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	After peak tank,	7.83.	19.
Double bottom, if under Engines only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, aft,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, if under Boilers only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, forward,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, forward, N <sup>o</sup> 1.	53.16.	65.	Other tanks, if fitted,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Total capacity of double bottom		125.	(If necessary, furnish further information by sketch.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

\* 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. 1628.

Date 13-2-19.

No. 70 in builder's yard.

DATES of Surveys held while building

1919 = Jan<sup>y</sup> 28. Feb<sup>y</sup> 17, 25, 28. Mar. 14. April 2. May. 12, 14, 16, 22, 24, 27, 30. June 3, 12, 18, 20, 23, 25, 26, 30. July. 3, 9, 14, 18. Aug. 13, 18, 29. Sept. 1, 2, 3, 5, 8, 9, 10, 15, 19, 23, 29. Oct. 8, 13, 20, 23, 28, 29. Nov<sup>r</sup> 4.

Total No. of Visits 46.

Surveyor's Signature

J. Richardson

Lloyd's Register Foundation