

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office

FRI JAN 15 1916

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

Date of completion of report *30th Decr 1915*

Port of *Greenock*

No. *17095*

Survey held at *Port Glasgow*

Date, First Survey *20.10.15*

Last Survey

26.12.1916

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

ARDCASK

Rig *Schooner*

TONNAGE under Tonnage Deck *4322.30*

CLASS ** 100 A1 G*

FEET.

Master *L. M. Pearson*

Year of appointment *(1) As Master in service of owner of present vessel—1914 (2) As Master of this vessel—1916*

Do. between Tonnage Dk. and 3rd and 4th Dk. *4322.30*

Breadth (greatest moulded) *51.75*

Built at *Port Glasgow*

Total under Upper Dk. *4322.30*

Depth, at middle of length from top of keel to top of upper deck beams at side *29.00*

When built *1914* Launched *24th Oct 1916*

Do. of Poop *3.25*

Transverse Number *80.75*

By whom built *Russell & Co*

Do. of Forecastle *75.76*

Length on deck from fore part of stem to after part of stern post *385*

Owners *Steamship Ardgarry Cold*

Do. of Houses on Dk. *106.40*

Longitudinal Number *21088.75*

Managers *Lang & Fulton Ltd*

Do. of access of Hatchways *34.54*

Depth "d," at middle of length (See Secs. 2 & 13) *17.5*

Residence *Greenock*

Do. above Crown of Engine Room *4542.25*

Proportions—Depths to Length—Upper Deck Beam at side to top of keel *13.27*

Port belonging to *Greenock*

Gross Tonnage *4542.25*

" " Long Bridge Deck Beam at side to top of keel *10.40*

Less Crew Space *142.53*

Less above Crown of Engine Room *4399.72*

TONNAGE FOR FEES *4399.72*

Less Engine Room *1453.52*

Less Navigation Spaces *64.24*

Register Tonnage as cut on Beam *2881.96*

Destined Voyage *Barry*

Surveyed while Building, Afloat, or in Dry Dock

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
385	0		51	9		26	7		2
						Do.	Do.	Do.	No. of Tiers of Beams
									2

Dimensions of Ship per Register, Length *385* breadth *52* depth *26.55* Moulded depth, ft. *37* ins. *0* To Bridge Dk. Round of Upper Dk. Beam, Actual *13* ins. Moulded depth, ft. *29* ins. *0* To Upper Dk.

FRAMING.				PILLARS.			
	Inches in Ship	Inches in Ship	Inches per Rule or as Approved		Inches in Ship	Inches in Ship	Inches per Rule or as Approved
FRAME, Angles, or E or L Bars amidships	6	3 1/2	48	PILLARS, In 'tween Deck, size and spacing	2	rows of wide spread	
Do. in peaks	6	3 1/2	36	" " Hold	"	pillars as per approved	
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	40	" Quarter 'tween Dks.,	"	plan	
" " at intermdt. Bkts.				" " in Hold	"		
Spacing of Frames from centre to centre amidships	26		26	KEELSONS & STRINGERS.			
" " " from 1/2 length to Collision bulkhead	26		26	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
" " " in peaks	24		24	" Rider Plate			
REVERSED FRAME, Angles	5 1/2	3 1/2	48	" Flat Plate Keel Angles			
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	40	" Horizontal Plates on Floors			
" " at intermdt. Bkts.				" Angles or Bulb Angles			
FRAMING, depth of girder	8 1/2		8 1/2	SIDE KEELSONS, Number			
FLOORS, depth and thickness of Floor Plate at mid line for 1/2 length amidships	8.40	6.50	8.40	" Angles or Bulb Angles			
" in way of Engine and Boiler Spaces				" Plate above floors, for length			
" thickness at the ends of vessel				" Intercoastal Plate, for length			
" depth at 1/2 the half breadth, as per Rule				" Attached to outside Plating with Angle			
" height extended at the Bilges				HILGE KEELSON, Angles			
FLOORS in Cell. Double Bottoms			40	" Intercoastal Plate for length			
" state if flanged (top & bottom)				" Attached to outside Plating with Angle			
" Spacing of Solid floors	26		26	SIDE STRINGERS, Number <i>2</i> in fore hold only			
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.	42	50	42	" Angle	6 1/2	3 1/2	60
" " Angles, Top	2	3 1/2	50	" Intercoastal Plate, for whole length			42
" " Bottom	2	4 1/2	60	" Attached to outside plating with Angle			Flanged
" " to Floors	5	5	56	Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	59	64	59
" Brackets at intermdt. frmg., width & thcknss	2	38	2	" " " br'dth & thickness (in way of Bridge)		48	48
SIDE GIRDERS, number on each side & thickness			38	" " Angle (clear of Bridge)	5	5	68
" state if flanged (top and bottom)				" Tie Plate at sides of Hatchways	in d	.05	.05
" Angles (top and bottom)	3 1/2	3 1/2	40	" Deck * Iron or Steel, for whole lng.	at 403	.04	.04
" " to Floors	3	3	40	" Thickness (clear of Bridge)		.144	.144
MARGIN PLATE, depth (exclusive of flange) and thickness	46		46	" (in way of Bridge)		.36	.36
" Angle to Outside Plating	3 1/2	3 1/2	46	Wood Deck, Material & thickness			
" " Floors	5	3 1/2	40	Second Deck Stringer Plate, br'dth & thickness	47	46	47
" Brackets at intermdt. frmg., width & thcknss				" Angles on ditto, No. <i>2</i> in way of bridge	3 1/2	3 1/2	46
Height of Outside Brackets above at bilge	24		24	" Tie Plates outside Hatchways			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	71	48	71	" Deck * Iron or Steel, for whole lng.		.34	.34
" " in Engine and Boiler space	8.48	6.61	8.48	Wood Deck, Material & thickness			
" " Remainder in Holds			40	Third Deck Stringer Plate, br'dth & thickness			
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3	50	" Angles on ditto, No.			
" In way of Long Bridge	9	3	50	" Tie Plates, outside Hatchways			
" Spacing	26		26	" Deck * Material and thickness			
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	11	3 1/2	44	Fourth and Fifth Deck Stringer Plate, breadth & thickness			
" Spacing	52		52	" " Angles on ditto, No.			
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel				" " Tie Plates outside Hatchways			
" Angles on upper edge				" " Deck, Material & thickness			
" Spacing				Poop Deck Stringer Plate, breadth & thickness	34	34	34
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	44	" Angle on ditto	3 1/2	3 1/2	34
" Angles on upper edge				" Tie Plates			
" Spacing	52		52	" Deck, Material and thickness	Steel	.30	.30
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7	3	40	Bridge Deck Stringer Plate, br'dth & thickness	53	54	53
" Angles on upper edge				" Angle on ditto	4 1/2	4 1/2	58
" Spacing	26		26	" Tie Plates			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	46	" Deck, Material and thickness	Steel	.38	.38
" Angles on upper edge				Forecastle Deck Stringer Plate, br'dth & th'kns	50	54	50
" Spacing	52		52	" Angle on ditto	3 1/2	3 1/2	34
				" Tie Plates			
				" Deck, Material and thickness	Steel	.25 and 2 1/2	.25 and 2 1/2

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

[illegible]

EQUIPMENT No. 32522				LETTER Y				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.													
20971		1st Bower ...		60 1 14		brass test cast		48 12 2 0		60 0 0		stockless		the W. B. Rogers & Co. Ltd		12. 9. 16 L. Haffner							
20963		2nd " ...		59 3 21		supplied for		48 7 2 0		60 0 0						11. 9. 16							
20854		3rd " ...		51 0 7		8. heads		43 7 2 7		50 2 0						23. 7. 16							
		4th " ...																					
		Collective weight.		171 1 14						170 2 0													
21807		Stream		16 1 14		4 0 10		17 11 3 14		16 1 0		Ordinary		not given		Cheltenham 29. 3. 16 S. C. Hall							
21808		Kedge		7 0 0		1 3 0		9 5 8 0		7 0 0													
CHAIN CABLES.																HAWERS AND WARPS.							
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 Towing.		Length and size per Table 31.	
		Fathoms. Ins.		Tons. lbs.		Cwts. qrs. lbs.		Fathoms. Ins.										Fathoms. Ins.		Tons. lbs.		Fathoms. Ins.	
49083		270 2 3/4		86 3/4 130 5/16		648 1. 11 645 3. 0		270 2 3/4		2 1/2		Steel cable H. P. Parker & Co. Ltd		13. 9. 16 J. M. Russell				TOWLINE 48W 120 4 3/4		15 1/2 120 1 1/4		2 3/4	
																		HAWERS & WARPS 90 2 3/4		15 1/2 2. 90 2 3/4		2 3/4	
																				2 3/4 2. 90 2 3/4		2 3/4	
Iron Stream Chain or Steel Wire		90 Cir. 4 3/4		47				90 Cir. 4 3/4				L. B. W. Co. Ltd 11. 1. 16											
Boats																Steering Gear, Steam & Hydraulic				Steering Gear, Hand			
Pumps, Number																as per approved plan				as per approved plan			
Windlass is by																Amerson Walker Thompson Bros Ltd				Amerson Walker Thompson Bros Ltd			
Engine Room Skylights.—How constructed?																of steel plates & angles				What arrangements for deadlights in bad weather? bulls eyes in lids			
Coal Bunker Openings.—How constructed?																of steel plates & angles				How are lids secured? by brass turnbuckles			
Number of Scuppers, and numbers and dimensions of																Freeing Ports, &c. 5 scuppers and 5 freeing ports on each side				Height above deck? 20			
Ceiling in Holds, thickness and material																2 1/2 lb at hatches & chimneys				Cargo Battens, thickness and material			
Cargo Hatchways.—How formed?																of steel plates and angles				Hatches, If strong and efficient? yes			
State size No. 1 Hatch (Forward)																21. 8 x 18				No. 2 Hatch			
																				28. 2 x 18			
																				No. 3 Hatch			
																				13 x 18 Bridge at			
																				No. 4 Hatch			
																				34. 8 x 18 Nos 21. 8 x 18			
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch																4 web plates in nos 1 & 5				2 in nos 2			
																				6 in nos 3			
																				6 in nos 4			
Bulwarks, height above deck and description																4. 0 of steel plate				Main Rail, material and size			
																				6 x 3 3/4			
The foregoing is a correct description.																				Surveyor's Signature			
Builder's Signature (here enter)																Russell & Co. per J. M. Russell				Surveyor to Lloyd's Register of British and Foreign Shipping.			
Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)																15/10/14 m				18/12/14 m			
																3/1/15 m				24/4/15 m			
																24/6/15 m				30/6/15 m			
																15/7/15 m				21/7/15 m			
																9/8/15 m				11/8/15 m			
																30/8/15 m				2/9/15 m			
																				14/9/15 m			
																				19/10/16 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. 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.)																The workmanship is good and the vessel has been built in accordance with the Rules and to the approved plans (6 in 20) forwarded herewith							
To meet the wishes of the Owners who desire the date of completion of the vessel to be 1917, it has been arranged to complete the survey of the hull by the examination of the tunnel watertight door at Barry to which port the vessel has now proceeded. The Barry Surveyors have been advised see copy of letter attached																							
Sister vessel to																							

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 34.25 ft., R.Q.D. ☒ ft., Bridge 110.5 ft., Forecastle 147 (in feet and tenths). When the Poop 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 should appear in the Register Book) 2 Bks (Stt)

Official No. 137047; Signal Letters — State if Machinery is fitted aft amidships

How are the surfaces preserved from oxidation? Inside by Battard cement and paint Outside by paint

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>123.5</u>	<u>371</u>	Fore peak tank,		
Double bottom, under Engines and Boilers,	<u>41.16</u>		After peak tank,		<u>20</u>
Double bottom, if under Engines only,		<u>87</u>	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	<u>169.0</u>	<u>571</u>	Other tanks, if fitted,		
Total capacity of double bottom		<u>1029</u>	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks. 33

State whether the above have been tested as required by the Rules. yes

Order for Special Survey No. 2856

Date 6.7.15

No. 697 in builder's yard.

DATES of Surveys held while building

(1915). Oct. 20. 25. Nov. 2. 9. 16. 26. Dec. 7. 20. 23. (1916). Jan. 12. 21. Feb. 5. 8. 11. 15. 16. Mar. 1. 2. 3. 7. 21. Apr. 3. 19. 26. May. 3. 5. 10. 23. 30. June. 7. 26. 30. July. 11. Aug. 11. 23. 29. 31. Sep. 5. 11. 15. 20. Oct. 2. 6. 12. 13. 17. 21. 23. 26. Nov. 21. Dec. 12. 19. 22. 26.

Surveyor's Signature

Bennett

Lloyd's Register Foundation