

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

# IRON OR STEEL STEAMER.

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

Date of completion of Report 3<sup>rd</sup> Nov 1904

Date, First Survey 25<sup>th</sup> March

Port of Glasgow

Last Survey 31<sup>st</sup> Oct 1904

Rig Schooner 3 masts

Master J. Crofts

Year of appointment 1904

No. 22240

Survey held at Paisley  
On the Steel Screw Steamer "CHESHIRE"

TONNAGE under Tonnage Deck	434.32
Do. of Poop	
Do. of Raised Qr.	106.77
Do. of Bridge House	15.08
Do. of Forecastle	8.24
Do. of Houses on Deck	13.40
Do. of excess of Hatchways	23.35
Do. above Crown of Engine Room	31.36
Gross Tonnage	632.52
Less Crew Space	49.25
Less above Crown of Engine Room	31.36
TONNAGE FOR FEES	551.91
Less Engine Room	329.16
Less Navigation Spaces	17.03

ONE OR TWO DECKED VESSEL.

CLASS 100 A.1 Well Dk.

Half Breadth (moulded)	14.50
Depth from upper part of Keel to top of Main Deck Bms. (with the normal round up of beam)	13.96
Girth of Half Midship Frame (as per Rule)	25.75
1st Number	54.21
Length on deck from after part of stem to fore part of stern post	176.83
2nd Number	95.85
Proportions—Breadths to Length	6.09
Depths to Length—Main Deck to top of Keel	12.67

Register Tonnage as cut on Beam 237.08

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 Deck to top of Main Deck Beams	Feet.	Inches.	No. of Decks with Flap-laid	No. of Tiers of Beams
176	10		29	0		11	1		One	One

Dimensions of Ship per Register, Length, 178 breadth, 29.15 depth, 10.7 Moulded Depth, 13 ft. 4 ins. Round of Beam, Actual 72 ins.

FRAMING.						FORGINGS AND CASTINGS.					
FRAME, Angles, L, C or L Bars, for 2 length amidships	3 1/2	3	7	3 1/2	3	6	KEEL, Bar or Side Plates depth and thickness	7 x 2	7 x 2		
Do. for 1/2 at each end	3 1/2	3	6	3 1/2	3	5	STEM, moulding and thickness	6 1/2 x 1 1/2	6 1/2 x 1 1/2		
Do. in way of Double Bottoms at Solid Floors	3	3	7	3	3	6	STERN-POST for Rudder do. do.	6 1/2 x 4	6 1/2 x 4		
Do. in way of Double Bottoms at intermdt. Bkts.	3 1/2	3	7	3 1/2	3	6	MAIN PIECE of Rudder, diameter at head	4 1/2	4 1/2		
Spacing of Frames from centre to centre			22			22	do. at heel	4			
REVERSED FRAME, Angles	3	2 1/2	6	3	2 1/2	5	RUDDER, how constructed	Built forged iron single plate 17			
DEEP FRAMING, depth of girder							Can the Rudder be unshipped afloat?	Yes			
FLOORS, depth and thickness of Floor Plate at mid-line for 2 length amidships			15 1/2			15 1/2					
Do. in way of Engines and Boilers	E		8			7					
Do. thickness at the ends of vessel			6			5					
Do. depth at 1/2 the half breadth, as per Rule											
Do. height extended at the Bilges											
FLOORS & BRACKETS, in Cell Dble Bottoms	34		6	32		6					
Do. state if flanged (top & bottom)	Not flanged										
Do. Spacing			44			44					
CENTRE GIRDER, in Double Bottom, depth and thickness	34		8	32		8					
Do. Angles, Top	3 1/2	3 1/2	7	3 1/2	3 1/2	7					
Do. Bottom											
SIDE GIRDERS, number on each side & thickness state if flanged (top & bottom)	Two		6	Two		6					
Do. Angles											
MARGIN PLATE, depth (exclusive of flange) and thickness	24		6	20		6					
Do. Angles to Outside Plating	3	3	7	3	3	7					
Do. Floors	3	3	7	3	3	7					
Do. Height of Floors at the Bilges	34			34							
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	60		7	60		7					
Do. thickness in Engine and Boiler space											
Do. Remainder in Holds											
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3	7	5 1/2	3	7					
Do. Angles on Upper Edge											
Do. Spacing			22			22					
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	5	3	6	5	3	6					
Do. Angles on Upper Edge											
Do. Spacing			22			22					
BEAMS, Hold, Plate or Tee Bulb	8		8	8		8					
Do. Angles on Upper Edge	3 1/2	3	7	3 1/2	3	7					
Do. Spacing											
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb											
Do. Angles on Upper Edge											
Do. Spacing			44			44					
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3	7	5 1/2	3	7					
Do. Angles on Upper Edge											
Do. Spacing			44			44					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	7	3	8	6 1/2	3	8					
Do. Angles on Upper Edge											
Do. Spacing			44			44					
PILLARS, In 'tween Decks, Size and Spacing	2 1/2		44			44					
Do. Hold											
Do. Quarter, 'tween Dks.											
Do. in Hold											
WEB FRAMES, In Fore Body, No. and Spacing	10		4 to 6			4 to 6					
Do. Brdth. & Thickness			15			15					
Do. No. of Side Stringers			Two			Two					
WEB FRAMES, In E. & B. Space, No. & Spacing	Two		as per profile								
Do. Brdth. & Thickness			15			15					
WEB FRAMES, In After Body, No. and Spacing											
Do. Brdth. & Thickness											
Do. No. of Side Stringers											
Do. Size of Angles or Tee Bars to Web Frames	5	3	7	3	2 1/2	5					
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness											



**PLATING.**

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.			
	AMIDSHIP.		FORWARD.		AFT.		Ordinary or Lapped?		RIVETS.		STRAPS.		IF LAPPED.	
	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.
FLAT PLATE KEEL (If Bar Keel, state Riveting)	35	10	9	8	32	8	Double	4 1/2	3/4	3/4	3/4	2 1/2	9 1/2	10
GARBOARD OR A STRAKE														
State actual thickness in way of Double Bottom.														
B		9	8	8		8								
C		9	8	8		8								
D		10	8	8		9								
E		8	7	7		8								
F		8	7	7		8								
G		7	6	6		7								
H	36	12	8	8	34	12								
J														
K														
L														
M														
N														
O														
P														
DOUBLING OF FLAT PLATE KEEL														
Length and thickness of Bilges														
Length and thickness of Sheerstrakes														
Length and thickness of Strake below														
POOP 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. <i>Siemens process.</i>														
Steel cast Scotland, Clydebridge														
Lanarkshire Works, Glasgow														
Steel &c.														
Has the Steel been tested as required by the Rules <i>yes</i>														
FRAMES extend in one length from <i>middle line</i> to <i>transverse</i> & <i>back</i> state if ordinary or joggled <i>Ordinary</i>														
REVERSED FRAMES on floors and frames extend from <i>middle line</i> to <i>side stringer</i> & <i>back</i> all state if ordinary or joggled <i>Ordinary</i>														
<i>in way of main dk. to hold str. &amp; dk. all in way of R. &amp; dk. all to M dk. in way of fore peak.</i>														
<b>MASTS, SPARS, &amp;c.</b>														
LOWER MASTS...	Fore	Main	Mizen	Material.	Total length.	DIAMETER AND THICKNESS.			No. of Plates in round.	ANGLES.	RIVETING.	Butts.		
						At Partners.	Heel.	Hounds.						
				P.P.	54	14								
				"	58	14								
				"	38	12								
Bowsprit														
Topmasts, Yards and Remainder of Spars <i>P.P.</i>														
Rigging, Material and Size, Shrouds <i>fore main 2 1/2, mizen 2 1/2, gal steel wire stays fore 3, main 2 1/2, mizen 2 1/2, gal steel wire</i>														
Sails. <i>One</i> Suit of <i>One</i> Sails and the following spare sails <i>✓</i>														
Equipment No. 10554 Letter <i>i</i>														
<b>ANCHORS.</b>														
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.							
5396	1st Bower	15	0 14	16	12	0 21	15	0 0	Byers Stock	Sled 12/8/04				
5397	2nd "	15	0 7	16	12	0 21	15	0 0	"	" 13/8/04				
3998	3rd "	13	1 21	15	3	3 0	12	3 0	"	" 5/9/03				
	Collective weight	43	2 14				42	3 0						
51997	Stream	4	1 25	6	17	2 0	4	0 0	Ordinary	S.P. Jones & Co. Rutherford 15/10/04				
51996	Kedge	2	0 17	4	15	0 0	2	0 0	"	"				
Certificates of tests for cast steel anchor heads produced.														
<b>CHAIN CABLES.</b>														
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.	Material.	Length and size supplied.	Breaking Test of Steel Wire Towline.	Length and size per Table 22.			
												Length.	Cir.	
37252	105 1/2	1 1/2	25 3/8	38	78 0 10	14130	195	1 1/2	Stud	S.P. Jones & Co. Rutherford 27/10/04	75 2 1/2			
37253	90 3/4	1 1/2	"	"	67 0 12	14130	195	1 1/2	Stud	"	75 2 1/2			
Iron Stream Chain or Steel Wire.	60	3	18		60	3	gal steel wire, telegraph wire				70 4 1/2			
<b>HAWSERS AND WARPS.</b>														
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.	Material.	Length and size supplied.	Breaking Test of Steel Wire Towline.	Length and size per Table 22.			
												Length.	Cir.	
37252	105 1/2	1 1/2	25 3/8	38	78 0 10	14130	195	1 1/2	Stud	S.P. Jones & Co. Rutherford 27/10/04	75 2 1/2			
37253	90 3/4	1 1/2	"	"	67 0 12	14130	195	1 1/2	Stud	"	75 2 1/2			
Iron Stream Chain or Steel Wire.	60	3	18		60	3	gal steel wire, telegraph wire				70 4 1/2			
<b>BOATS.</b> <i>Two life boats none other.</i>														
<b>PUMPS.</b> Number <i>Three</i> Diameter of Barrel <i>2-5/8 x 1-3/8</i> State whether they are in efficient working order <i>yes</i>														
<b>WINDLASS.</b> <i>By Emerson, Walker &amp; Thompson</i> Capstan <i>all is by S. Reid &amp; Sons</i>														
<b>ENGINE ROOM SKYLIGHTS.</b> How constructed? <i>Steel on steel casings</i>														
What arrangements for deadlights in bad weather? <i>Steel frames with bullseye</i>														
<b>COAL BUNKER OPENINGS.</b> How constructed? <i>Plates &amp; angles</i> How are lids secured? <i>Secured by covers &amp; bolts</i> Height above deck? <i>7' 9"</i>														
Number of Scuppers, and number and dimensions of Freeing Ports, &c. <i>3 scuppers each side in well 4 1/2" diam. ports 30 x 15 1/2" each side in well</i>														
<b>CEILING IN HOLDS.</b> thickness and material <i>P.P. 3/2</i> Cargo Battsens, thickness and material <i>W.P. 6 x 2</i>														
<b>CARGO HATCHWAYS.</b> How formed? <i>Plates &amp; angles</i> Hatches. If strong and efficient? <i>yes 3 solid</i>														
State size No. 1 Hatch (Forward) <i>31-2 x 16-0 x 2-0</i> No. 2 Hatch <i>31-2 x 16-0 x 2-0</i> No. 3 Hatch <i>✓</i> No. 4 Hatch <i>✓</i>														
Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch <i>Three web plates and three fore afters in each hatch</i>														
No. of Breasthooks <i>Three</i> No. of Crutches on deck floor <i>Three</i>														
Bulwarks, height above deck and description <i>4-6 in well 3-0 in R. &amp; dk. &amp; gal</i> Main Rail and Stays, material and size <i>6 x 3 B.A. stays 6 x 3 B.A.</i>														
The above is a correct description														
Builder's Signature (here only) <i>John Ballerton</i> Surveyor's Signature <i>J.D. Mares</i>														
Surveyor to Lloyd's Register of British and Foreign Shipping.														

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

*M 1/3/04, 16/3/04* *E 17/3/04*

**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. 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's letters of above dates and in general conformity to the Rules (with some additions) for the class contemplated.*

*5 Plans, 3 Reports on Ship Forgings.*

*While lying in the Prince's Dock 25/10/04 this vessel was damaged by the propeller of the S.S. "Franklyn". No 4 shell plate in E strake & No 5 plate in F strake on starboard side being indented, the vessel was placed on slip, the two shell plates taken off, faired and refitted, two frames faired in place and the damage made good.*

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 *103.16* ft., Bridge Dk. *9.16* ft., F'castle *30.75* 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) *1. DH (steel)*

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

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 *Cellular system*

Where fitted.	*Length.	Water Capacity.	Where fitted.	*Length.	Water Capacity.
Feet.	Tons.	Feet.	Tons.	Feet.	Tons.
Double bottom, aft,			Fore peak tank,		31
Double bottom, under Engines and Boilers,			After peak tank,		10
Double bottom, if under Engines only,			Deep tank, aft,		✓
Double bottom, if under Boilers only,			Deep tank, forward,		✓
Double bottom, forward, <i>in hold (two compartments)</i>	95.33	142	Other tanks, if fitted,		✓
Total capacity		142	(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. *2007*

Date *11.3.04*

No. *178* in builder's yard.

DATE of Survey held while building

*1901: Mar 25, 30, Apr 1, 8, 13, 20, 25, 28, May 4, 10, 13, 17, 20, 24, 26, June 1, 6, 10, 14, 20, 28, July 1, 6, 11, 14, 19, 23, 26, Aug 3, 10, 22, 24, 28, 29, 31, Sept. 5, 8, 13, 15, 20, 28, Oct. 3, 9, 11, 17, 20, 21, 31*

Total No. of Visits *48*

The amount of Entry Fee *£ 3* Fees applied for, *7 NOV 1904*

Special *£ 27.12* Received by me, *11.11.04*

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 Steel "well str."*

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

Committee's Minute *Glasgow - 7 NOV 1904*

Character assigned *+100 A. 1 (Steel) 100 ft. 1.0.2.*

*(Well deck)*

*J.D. Mares.*

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