

3 Decks.

IRON OR STEEL STEAMER.

No. 178620

Date of completion of report April 13<sup>th</sup> Port of Glasgow Received at London Office FRI. 20 APR 1900  
Survey held at Glasgow Date, First Survey Feb 8<sup>th</sup> 1899 Last Survey 9<sup>th</sup> April 1900 18  
On the Steel Steamer CLAN MACLACHLAN Rig Schooner (2 masts)

TONNAGE under 4225.42  
Tonnage Deck  
Do. between Tonnage Dk. and 3rd and 4th Dk.  
Total under Upper Dk. 4225.42  
Do. of Poop 100.72  
Do. of Bridge House 247.35  
Do. of Forecastle 34.17  
Do. of Houses on Dk. 40.58  
Do. of excess of Hatchways 18.32  
Do. above Crown of Engine Room 49.28  
Gross Tonnage 4729.45  
Less Crew Space 157.66  
Less above Crown of Engine Room 49.28  
TONNAGE FOR FEES.. 4522.51  
Less Engine Room 1513.42  
Less Navigation Spaces 50.10  
Register Tonnage 3008.27  
as cut on Beam

THREE DECKED VESSEL.  
CLASS 100A.

Half Breadth (moulded) 23.9  
Depth from upper part of Keel to top of Upper Deck Beams 31.0  
Girth of Half Midship Frame (as per Rule) 50.6  
deduct 7 feet. 7.0  
1st Number 98.5  
Length 393.16  
2nd Number 387.26  
Proportions—Breadth to Length 8.2  
Depth to Length—Upper Deck to top of Keel 12.6  
Main Deck ditto 16.73  
Destined Voyage Cape Ports

Master D. W. Cameron  
Year of appointment (1) As Master in service of owner of present vessel: 1897  
(2) As Master of this vessel: 1900  
Built at Glasgow  
When built 1900 Launched 20 Feb  
By whom built A. Stephen & Sons  
Owners The Clan Line Steamers Ltd.  
Managers (Where necessary to be entered in Reg. Book.)  
Residence Glasgow  
Port belonging to Glasgow

LENGTH on Deck Feet. 393 Inches. 2 BREADTH—Feet. 47 Inches. 10 DEPTH top of Floor to Upper Deck Beams Feet. 27 Inches. 2  
as per Rule Do. Main Deck Beams Feet. 18 Inches. 5 Power of Horse. 403 No. of Decks with flat laid 2  
Round up of Beam, Upper Dk. 12 ins.  
Dimensions of Ship per Register, Length 395.3 breadth 48.0 depth 27.1 Moulded depth, ft. 30 ins. 0 To Upper Dk.

FRAMING.						FORGINGS or CASTINGS.					
	Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule Or as Appro.	Inches per Rule Or as Appro.		Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule Or as Appro.	Inches per Rule Or as Appro.
FRAME, Angles, or L or E Bars for 1/2 length amidships	7	3 1/2	10	7	3 1/2	10	KEEL, Bar or Side Plates, depth and thickness	11 x 3 1/2	11	3 1/2	11
Do. for 1/2 at each end	7	3 1/2	9	7	3 1/2	9	STEM, moulding and thickness	11 x 3 1/2	11	3 1/2	11
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	10	3 1/2	3 1/2	10	STERN-POST for Rudder do. do.	11 x 7 1/2	11	7 1/2	11
" " at intermdt. Dkts.	-	-	-	-	-	-	" for Propeller	11 x 7 1/2	11	7 1/2	11
Distance of Frames from moulding edge to moulding edge, all fore and aft	25	25	10	25	10	9	MAIN PIECE of Rudder, diameter at head	9 1/2	9 1/2	7 1/2	7 1/2
REVERSED FRAME, Angles	4 1/2	3 1/2	9	4 1/2	3 1/2	9	" do. at heel	7 1/2	7 1/2	7 1/2	7 1/2
DEEP FRAMING, depth of girder	9 1/2	9 1/2	10	9 1/2	10	9	RUDDER, how constructed	11 x 7 1/2	11	7 1/2	11
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	-	-	-	-	-	-	Can the Rudder be unshipped afloat?	7 1/2	7 1/2	7 1/2	7 1/2
" in way of Engines and Boilers	-	-	-	-	-	-	KEELSONS & STRINGERS.	Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule Or as Appro.
" thickness at the ends of vessel	-	-	-	-	-	-	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	-	-	-	-
" depth at 1/2 the half breadth, as per Rule	-	-	-	-	-	-	" Rider Plate	-	-	-	-
" height extended at the Bilges	46	25	9 1/2	46	25	9 1/2	" Bulb Plate to Intercoastal Keelson	-	-	-	-
FLOORS & BRACKETS in Cell Dble Bottoms	46	25	9 1/2	46	25	9 1/2	" Horizontal Plates on Floors	-	-	-	-
" Distance apart	46	25	9 1/2	46	25	9 1/2	" Angles	-	-	-	-
CENTRE GIRDER, in Double bottom, depth and thickness	46	11	46	11	11	11	SIDE KEELSON, Angles	-	-	-	-
" Angles, Top	4 1/2	4 1/2	10	4 1/2	4 1/2	10	" Bulb or Plate above floors, for lng.	-	-	-	-
" Bottom	4 1/2	4 1/2	10	4 1/2	4 1/2	10	" Intercoastal Plate, for lng.	-	-	-	-
SIDE GIRDERS, number and thickness	20	8.9	20	8.9	8.9	8.9	" Attached to outside Plating with Angle	-	-	-	-
" Angles	3 1/2	3 1/2	9.10	3 1/2	3 1/2	9.10	BILGE KEELSON, Angles	-	-	-	-
MARGIN PLATE, depth (exclusive of flange) and thickness	39	8 1/2	10 1/2	39	8 1/2	10 1/2	" Bulb or Plate above floors, for lng.	-	-	-	-
" Angles	4	4	10 1/2	4	4	10 1/2	" Intercoastal Plate for lng.	-	-	-	-
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	36	8 1/2	10 1/2	36	8 1/2	10 1/2	" Attached to outside Plating with Angle	-	-	-	-
" in Engine and Boiler space	11	12	10 1/2	11	12	10 1/2	BILGE STRINGER Angles	-	-	-	-
" Remainder in Holds	20	8	20	8	8	8	" Bulb Plate for lng.	-	-	-	-
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	10 x 3 1/2 x 3 1/2 x 13	10 x 3 1/2 x 3 1/2 x 13	10 x 3 1/2 x 3 1/2 x 13	10 x 3 1/2 x 3 1/2 x 13	10 x 3 1/2 x 3 1/2 x 13	10 x 3 1/2 x 3 1/2 x 13	" Intercoastal Plate for lng.	-	-	-	-
" Angles on upper edge	-	50	50	-	50	50	" Attached to outside Plating with Angle	-	-	-	-
" Average space	-	50	50	-	50	50	Upper Deck Stringer Plates, br'dth & thickness	60	12	60	12
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	12 x 3 1/2 x 3 1/2 x 13	12 x 3 1/2 x 3 1/2 x 13	12 x 3 1/2 x 3 1/2 x 13	12 x 3 1/2 x 3 1/2 x 13	12 x 3 1/2 x 3 1/2 x 13	12 x 3 1/2 x 3 1/2 x 13	" Angle on ditto	4 1/2 x 4 1/2	11	4 1/2 x 4 1/2	11
" Angles on upper edge	-	50	50	-	50	50	" Tie Plates fore and aft, outside Hatchways	-	-	-	-
" Average space	-	50	50	-	50	50	" Deck. * Iron or Steel, for full lng.	8 1/2	7	8 1/2	7
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	-	-	-	-	-	-	" Wood Deck. Material & thickness	60	10	60	10
" Angles on upper edge	-	-	-	-	-	-	Middle Deck Stringer Plate, br'dth & thickness	60	10	60	10
" Average space	-	-	-	-	-	-	" Angles on ditto, No.	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9
BEAMS, Hold, or Orlop, Plate or Tee Bulb	-	-	-	-	-	-	" Tie Plates outside Hatchways	-	-	-	-
" Angles on upper edge	-	-	-	-	-	-	" Diagonal Tie Plates on Bms, No. of prs.	-	-	-	-
" Average space	-	-	-	-	-	-	" Deck. * Iron or Steel, for full lng.	8 1/2	7	8 1/2	7
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	9	3 1/2	10	9	3 1/2	10	" Wood Deck. Material & thickness	-	-	-	-
" Angles on upper edge	-	50	50	-	50	50	Lower Deck Stringer Plate, br'dth & thickness	-	-	-	-
" Average space	-	50	50	-	50	50	" Angles on ditto, No.	-	-	-	-
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	8 1/2	8	8 1/2	8	8	8	" Tie Plates, outside Hatchways	-	-	-	-
" Angles on upper edge	3	3	7	3	3	7	" Deck. * Material and thickness	-	-	-	-
" Average space	50	50	50	50	50	50	Hold, or Orlop Stringer Plate, br'dth & thckn's	-	-	-	-
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	" Angles on ditto, No.	-	-	-	-
" Angles on upper edge	3 1/2	3 1/2	7	3 1/2	3 1/2	7	" Tie Plates outside Hatchways	-	-	-	-
" Average space	50	50	50	50	50	50	" Deck. Material and thickness	-	-	-	-
PILLARS, In 'tween Deck, size and spacing	2 1/2 x 50	2 1/2 x 50	2 1/2 x 50	2 1/2 x 50	2 1/2 x 50	2 1/2 x 50	Poop Deck Stringer Plate, breadth & thickness	28	7	28	7
" Hold	4 1/2 x 100	4 1/2 x 100	4 1/2 x 100	4 1/2 x 100	4 1/2 x 100	4 1/2 x 100	" Angle on ditto	3 1/2 x 3 1/2	8	3 1/2 x 3 1/2	8
" Quarter 'tween Dks.,	2 1/2 x 100	2 1/2 x 100	2 1/2 x 100	2 1/2 x 100	2 1/2 x 100	2 1/2 x 100	" Tie Plates	12	7	12	7
" in Hold	4 1/2 x 100	4 1/2 x 100	4 1/2 x 100	4 1/2 x 100	4 1/2 x 100	4 1/2 x 100	" Deck. Material and thickness	3	3	3	3
WEB-FRAMES, In Fore Body, No. and spacing	3	4 1/2	9	3	4 1/2	9	Bridge Deck Stringer Plate, br'dth & thickness	50	10	50	10
" No. of Side Stringers	3	4 1/2	9	3	4 1/2	9	" Angle on ditto	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9
WEB-FRAMES, In E. & B. Space, No. & spacing	3	4 1/2	9	3	4 1/2	9	" Tie Plates	15	9	15	9
" No. of Side Stringers	3	4 1/2	9	3	4 1/2	9	" Deck. Material and thickness	P. Pine	P. Pine	P. Pine	P. Pine
WEB-FRAMES, In After Body, No. and spacing	3	4 1/2	9	3	4 1/2	9	Forecastle Deck Stringer Plate, b'dth & th'kns	28	7	28	7
" No. of Side Stringers	3	4 1/2	9	3	4 1/2	9	" Angle on ditto	3 1/2 x 3 1/2	8	3 1/2 x 3 1/2	8
BRACKET PLATES to Stringers between Web Frames, depth and thickness	4 1/2	3 1/2	9	4 1/2	3 1/2	9	" Tie Plates	12	7	12	7
							" Deck. Material and thickness	P. Pine	P. Pine	P. Pine	P. Pine



PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.		AFT.		Single or Double.	Breadth of Lap.	Rivets.	Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.				
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.					Diam.	Spacing.	Breadth.	Thickness.	Breadth.	For what Length.			
FLAT PLATE KEEL (If Bar-Keel, state Riveting)	36	22	14	18	36	22	5/16	6	1	4 1/2	5/16	3 1/2	19	15 1/2	5/16	Sho			
GARBOARD OR A Strake	50	16	13	14	50	16	5/16	6	1	4 1/2	5/16	3 1/2	19	15 1/2	5/16	Sho			
State actual thickness in way of Double Bottom.	B	11	10	10	11	10	5/16	5 1/2	7/8	3 1/2	5/16	3 1/2	19	15 1/2	5/16	Sho			
C	12	10	10	10	12	10	5/16	5 1/2	7/8	3 1/2	5/16	3 1/2	19	15 1/2	5/16	Sho			
D	11	10	10	10	11	10	5/16	5 1/2	7/8	3 1/2	5/16	3 1/2	19	15 1/2	5/16	Sho			
E	14	11	12	12	14	12	5/16	5 1/2	7/8	3 1/2	5/16	3 1/2	19	15 1/2	5/16	Sho			
F	12	12	12	12	13	12	5/16	5 1/2	7/8	3 1/2	5/16	3 1/2	19	15 1/2	5/16	Sho			
G	14	11	12	12	14	12	5/16	5 1/2	7/8	3 1/2	5/16	3 1/2	19	15 1/2	5/16	Sho			
H	12	9	9	9	12	9	5/16	5 1/2	7/8	3 1/2	5/16	3 1/2	19	15 1/2	5/16	Sho			
J	13	11	11	11	13	11	5/16	5 1/2	7/8	3 1/2	5/16	3 1/2	19	15 1/2	5/16	Sho			
K	12	9	10	10	12	9	5/16	5 1/2	7/8	3 1/2	5/16	3 1/2	19	15 1/2	5/16	Sho			
L	13	10	10	10	13	10	5/16	5 1/2	7/8	3 1/2	5/16	3 1/2	19	15 1/2	5/16	Sho			
M	15	11	11	11	15	11	5/16	5 1/2	7/8	3 1/2	5/16	3 1/2	19	15 1/2	5/16	Sho			
N	48	18	11	11	48	18	5/16	5 1/2	7/8	3 1/2	5/16	3 1/2	19	15 1/2	5/16	Sho			
O																			
P																			
Q																			
R																			
DOUBLING OF PLATE KEEL																			
Length and thickness of Strakes below																			
POOP SIDES																			
BRIDGE SIDES																			
FORECASTLE SIDES																			
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, Plating, &c.?										Upper Deck (Butts, treble riveted for three-fifths length amidship. Stringer Plate (Straps, single, double or overlapped for full length amidship. Middle Deck (Butts, treble riveted for full length amidship. Stringer Plate (Straps, single, double or overlapped for full length amidship. Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted? Inner Bottom Plating, riveting of Edges. 5/16 x 3/4 Butts. Centre Girder Butts, 5/16 riveted. Keelson Butts, 5/16 riveted. Frames, riveted through Plates with 7/8 in. Rivets, about 6 1/2 apart. Rivets, state whether Iron or Steel.									
FRAMES extend in one length from mid line to margin & from margin plate to upper poop bridge & forecabin &c. REVERSED FRAMES on floors and frames extend from mid line to margin plate & from margin plate to upper deck on margin frame for 1/2, to mid & upper all for 1/2. All to upper in fore & aft peaks. 5/16 across floors & 1/2.																			
MASTS, SPARS, &c.																			
LOWER MASTS, Fore Main Mizzen																			
Bowsprit																			
Topmasts, Yards and Remainder of Spars																			
Rigging, Material and Size, Shrouds																			
Sails, One																			
EQUIPMENT No. 43940. LETTER Y										ANCHORS.									
Number of Certificate, Anchors, Weight, Ex. Stock, Weight of Stock, Test, Per Certificate, Weight Req. by Rule, Description of Anchor, Makers, Where and when tested and Superintendent.																			
4767 1st Bower										Rodgers									
4768 2nd "										do									
37381 3rd "										do									
37437 Stream										Rodgers									
37400 Kedge										do									
2nd Kedge										do									
CHAIN CABLES.										HAWERS AND WARPS.									
Number of Certificate, Fathoms, Size, Test per Certificate, Weight of Chain Cable, Fathoms and Size per Rule, Description, Makers of Cables, When and where tested, and Superintendent, Material, Fathoms, Size, Breaking Test of Steel Wire, Fathoms and Size per Rule.																			
2431 135 2 1/2										S. Taylor & Sons									
2432 135 2 1/2										do									
90 4 3/4										do									
Boats, 2 Lifeboats & 2 others																			
Pumps, Number 7, 1/2 in. for peak																			
Windlass is 15 Walker & Thompson Patent Capstan																			
Engine Room Skylights, How constructed? Steel on Steel trunk bulkhead																			
What arrangements for deadlights in bad weather? Steel shutters & Bull's eye																			
Coal Bunker Openings, How constructed? Cast iron																			
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c.																			
Ceiling in Holds, thickness and material 2 1/2 W Pine																			
Cargo Hatchways, How formed? Plate 2 angles																			
State size No. 1 Hatch (Forward) 16 8 x 14 0 x 30 No. 2 Hatch 29 2 x 14 0 x 30 No. 3 Hatch 20 10 x 14 0 x 30 No. 4 Hatch 16 8 x 14 0 x 30																			
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch																			
Three for & afters in each hatch																			
Bulwarks, height above deck and description 3 ft. 8 in. 4 1/2 steel																			
The above is a correct description																			
Builder's Signature (here only) A. J. Stephens & Sons										Surveyor's Signature Thomas Warren & J. R. P. Cotton									

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

20/12/98, 21/2/99, 7/3/99, 1/4/99 M. 2/8/99 E

Workmanship. Are the butts of plating planed or otherwise fitted? Planed & fitted

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 plating? A few only

Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes

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

This vessel has been built in accordance with the approved plans, the Secretary's letter referred to, and in general conformity with the requirements of the Rules for the class contemplated.

The hand pumps, deck & Watertight doors have been tested as required & found to be satisfactory.

This vessel is fitted with an installation of Electric Light.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 38.0 ft., R.Q.D. or Break 4 ft., Bridge Dk. 110 ft., F'castle 40.0 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated.

No. and Material of Decks (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) 2 Deck (Steel) & deep framing.

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside Portland Cement & Paint Outside Paint

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

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
Feet.	Tons.	Feet.	Tons.		
Double bottom, aft,	10 1/2	266	Fore peak tank,		
Double bottom, forward,	17 1/2	473	After peak tank,		
Double bottom, under Engines and Boilers,	5 1/2	192	Midship deep tank,	33 1/2	768
Double bottom, if under Engines only,			Other tanks, if fitted,		
Double bottom, if under Boilers only,			(If necessary, furnish further information by sketch.)		

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

Order for Special Survey No. 3307

Date 15/3/99

Order for Ordinary Survey No.

Date

No. 388 in builder's yard

1st. On the several parts of the frame, when in place, and before the plating was wrought

2nd. On the plating during the process of riveting

3rd. When the beams were in and fastened, and before the decks were laid

4th. When the ship was complete, and before the plating was finally coated or cemented

5th. After the ship was launched and equipped

Fees applied for, £ 7.4.1800

Special Survey Fee £ 18.1.6

Travelling Expenses, if any £

Received by me, R. W. Cotton

Of opinion this Vessel should be Classed 100 A-1 Steel.

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

Committee's Minute

Character assigned 100 A-1 (Steel)

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

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