

With or Without

STEEL STEAMER.

Disconnected Erections.

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

Yes

Received at London Office

WED. 22 JUN. 1921

Date of completion of report 16th June 1921
Survey held at Port Glasgow

Port of Greenock

Date, First Survey 1st June, 1920

Last Survey 15th June 1921

No. 17838

On the (State if Single, or Screw) Single Screw Steamer

"CLAN MACIVER"

Rig Sch. (2 masts).

TONNAGE under 4165.22

CLASS # 100 A.1.

FEET.

Master W. M. Porterfield

Year of appointment

(1) As Master in service of owner of present vessel;—1921
(2) As Master of this vessel June 1921

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

Breadth (greatest moulded)

51.75

Total under Upper Dk.

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

29.0

Do. of Poop

Transverse Number

80.75

Do. of Bridge House

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

385.0

Do. of Forecastle

Longitudinal Number

31088

Do. of Houses on Dk.

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

17.5

Do. of excess of Hatchways

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

13.27

Do. above Crown of Engine Room

Long Bridge Deck Beam at side to top of keel

10.4

Gross Tonnage 4606.15

Less Crew Space 274.94

Less above Crown of Engine Room

TONNAGE FOR FEES

Less Engine Room 1473.97

Less Navigation Spaces 106.56

Register Tonnage 2750.68

Destined Voyage Indian Ports

If Surveyed while Building, Afloat, & in Dry Dock Yes

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	No. of Tiers of Beams
385	0		51	9		Do. do. do. do. Second Dk. Beams	26	7	Two	Two
Moulded depth, ft. 37 ins. 0 To Bridge Dk. Round of Upper Dk. Beam, Actual 13 ins.										
Dimensions of Ship per Register, Length 384.8 breadth 52' depth 26.55' Moulded depth, ft. 29 ins. 0 To Upper Dk. Dk. Beam, Actual 13 ins.										
FRAMING.						PILLARS.				
FRAME, Angles, Bars amidships						PILLARS In 'tween Deck, size and spacing				
Do. in peaks						" " Hold				
Do. in way of Double Bottoms at Solid Floors						" " Quarter 'tween Dks.,				
" " at intermdt. Bkts.						" " in Hold				
Spacing of Frames from centre to centre amidships						KEELSONS & STRINGERS.				
" " from 2						CENTRE LINE KEELSON, Vertical Plate above				
" " length to Collision bulkhead						" " floors, Through Plate, or Intercoastal Plate				
" " in peaks						" " Rider Plate				
REVERSED FRAME, Angles						" " Flat Plate Keel Angles				
Do. in way of Double Bottoms at Solid Floors						" " Horizontal Plates on Floors				
" " at intermdt. Bkts.						" " Angles or Bulb Angles				
FRAMING, depth of girder						SIDE KEELSONS, Number				
FLOORS, depth and thickness of Floor Plate						" " Angles or Bulb Angles				
" " at mid-line for 2 length amidships						" " Plate above floors, for length				
" " in way of Engine and Boiler Spaces						" " Intercoastal Plate, for length				
" " thickness at the ends of vessel						" " Attached to outside Plating with Angle				
" " depth at 2 the half breadth, as per Rule						BILGE KEELSON, Angles				
" " height extended at the Bilges						" " Intercoastal Plate for length				
FLOORS in Cell. Double Bottoms						" " Attached to outside Plating with Angle				
" " state if flanged (top & bottom)						SIDE STRINGERS, Number				
" " Spacing of Solid floors						" " Angle				
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.						" " Intercoastal Plate, for full length				
" " Angles, Top						" " Attached to outside plating with Angle				
" " Bottom						Upper Deck Stringer Plate, br'dth & thickness				
" " to Floors						" " (clear of Bridge)				
Brackets at intermdt. frmg., wdth & thcknss						" " (br'dth & thickness)				
SIDE GIRDERS, number on each side & thickness						" " (in way of Bridge)				
" " state if flanged (top & bottom)						" " Angle (clear of Bridge)				
" " Angles (top and bottom)						" " Tie Plate at sides of Hatchways				
" " to Floors						" " Deck, * Steel, for full lng.				
MARGIN PLATE, depth (exclusive of flange)						" " Thickness (clear of Bridge)				
" " and thickness						" " (in way of Bridge)				
" " Angle to Outside Plating						" " Wood Deck. Material & thickness				
" " Floors						Second Deck Stringer Plate, br'dth & thickness				
Brackets at intermdt. frmg., wdth & thcknss						" " Angles on ditto, No. Two				
Height of Outside Brackets above at bilge						" " Tie Plates outside Hatchways				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake						" " Deck, * Steel, for full lng.				
" " in Engine and Boiler space						" " Wood Deck. Material & thickness				
" " Remainder in Holds						Third Deck Stringer Plate, br'dth & thickness				
BEAMS, Upper Deck, Single Angle, Bulb						" " Angles on ditto, No.				
" " Angle, Plate, Tee Bulb, or Channel						" " Tie Plates, outside Hatchways				
" " In way of Long Bridge						" " Deck, * Material and thickness				
" " Spacing						Fourth and Fifth Deck Stringer Plate, breadth & thickness				
BEAMS, Second Deck, Single Angle, Bulb						" " Angles on ditto, No.				
" " Angle, Plate, Tee Bulb, or Channel						" " Tie Plates outside Hatchways				
" " Spacing						" " Deck. Material & thickness				
BEAMS, Third and Fourth Deck, Single Angle, Bulb						Poop Deck Stringer Plate, breadth & thickness				
" " Angle, Plate, Tee Bulb, or Channel						" " Angle on ditto				
" " Angles on upper edge						" " Tie Plates (Wood sheathing)				
" " Spacing						" " Deck. Material and thickness				
BEAMS, Poop Deck, Angle, Bulb Angle, Plate						Bridge Deck Stringer Plate, br'dth & thickness				
" " Tee Bulb, or Channel						" " Angle on ditto				
" " Angles on upper edge						" " Tie Plates				
" " Spacing						" " Deck. Material and thickness				
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate						Forecastle Deck Stringer Plate, br'dth & th'kns				
" " Tee Bulb, or Channel						" " Angle on ditto				
" " Angles on upper edge						" " Tie Plates				
" " Spacing						" " Deck. Material and thickness				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate										
" " Tee Bulb, or Channel										
" " Angles on upper edge										
" " Spacing										

WEB FRAMES.				Inches in Ship.				Inches per Rule.				FORGINGS or CASTINGS.				Inches in Ship.				Inches per Rule.															
WEB FRAMES, In Fore Body, No. and spacing				Inches in Ship.				Inches per Rule.				KEEL, Bar, depth and thickness				Inches in Ship.				Inches per Rule.															
No. of Side Stringers				ONE				ONE				STEM, moulding and thickness				10 x 2 3/4				10 x 2 3/4															
WEB FRAMES, In E. & B. Space, No. and spacing				ONE				ONE				STERN-POST for Rudder do. do.				9 x 7 1/2				9 x 7 1/2															
No. of Side Stringers				ONE				ONE				for Propeller				10 x 7 1/2				10 x 7 1/2															
WEB FRAMES, In After Body, No. and spacing				ONE				ONE				RUDDER-A x D Table 22. Speed under 12 K.				436 37				436 37															
No. of Side Stringers				ONE				ONE				Main-Piece, diameter at head				9 1/2				9 1/2															
Size of Face Angles to Web-Frames				1/2 x 3 1/2 x 4 1/2 B.P. 1/2 x 3 1/2 x 4 1/2 B.P.								at heel				7 1/4				7 1/4															
BRACKET PLATES to Stringers between Web Frames, depth and thickness																																			
BULKHEADS.				STIFFENERS.				Single or Double Frames.				Height up state deck.				RUDDER, how constructed Built Logging Single Plate																			
Number.				Thickness.				Horizontal.				Vertical.				Thickness of Plates in Single Plate				1-10															
Vessel.				Per Rule.				Inches.				Inches.				Can the Rudder be unshipped afloat?				Yes															
W.T. BULKHEADS				7 6				30 26				30 26				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.?				Mild Steel for North Process															
" COLLISION "				30 26				30 26				30 26				Has the Steel been tested as required by the Rules?				Yes															
PARTITION				30 26				30 26				30 26																							
LONGITUDINAL				30 26				30 26				30 26																							
Are the outside Plates doubled two spaces of Frames in length? Brackets fitted				Yes																															
Are the Side Valves and Watertight Doors in efficient working order?				Yes																															
PLATING.				RIVETING.				EDGES.				BUTTS.																							
AS IN SHIP.				PER RULE OR AS APPROVED.				Ordinary or Joggled?				Ordinary																							
STRAKES.				AMIDSHIP.				FORWARD.				AFT.				AMIDSHIP.				FORWARD.				AFT.											
Breadth.				Thickness.				Breadth.				Thickness.				Breadth.				Thickness.				Breadth.				Thickness.							
FLAT PLATE KEEL				47				98				70				47				98				70				47				98			
GABBOARD or A Strake				60				48				56				60				48				56				60				48			
State actual thickness in way of Double Bottom.				63				48				50				63				48				50				63				48			
D				63				48				50				63				48				50				63				48			
E				63				48				50				63				48				50				63				48			
F				63				48				50				63				48				50				63				48			
G				63				48				50				63				48				50				63				48			
H				63				48				50				63				48				50				63				48			
J				63				48				50				63				48				50				63				48			
K				63				48				50				63				48				50				63				48			
L				63				48				50				63				48				50				63				48			
M				63				48				50				63				48				50				63				48			
N				63				48				50				63				48				50				63				48			
O				63				48				50				63				48				50				63				48			
P				63				48				50				63				48				50				63				48			
Q				63				48				50				63				48				50				63				48			
R				63				48				50				63				48				50				63				48			
S				63				48				50				63				48				50				63				48			
T				63				48				50				63				48				50				63				48			
U				63				48				50				63				48				50				63				48			
V				63				48				50				63				48				50				63				48			
W				63				48				50				63				48				50				63				48			
THICKNESS OF SHEET				98				70				98				70				98				70				98				70			
CLEAR OF LONG BRIDGE				72				56				72				56				72				56				72				56			
DO. OF STRAKE BELOW				72				56				72				56				72				56				72				56			
DELG. of Flat Plate Keel				72				56				72				56				72				56				72				56			
Sheerstrakes				72				56				72				56				72				56				72				56			
Length and thickness.				72				56				72				56				72				56				72				56			
POOP SIDES				72				56				72				56				72				56				72				56			
SHORT BRIDGE SIDES				72				56				72				56				72				56				72				56			
FORECASTLE SIDES				72				56				72				56				72				56				72				56			
Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.																																			
Upper Deck				Butts, 3R riveted for full length amidship.																															
Stringer Plate				Butts, 3R riveted for full length amidship.																															
Second Deck				Butts, 3R riveted for full length amidship.																															
Stringer Plate				Butts, 3R riveted for full length amidship.																															
FRAMES extend in one length from				margin plate to 2nd step 40" all with 6 x 3 1/2 x 3 1/2 frames.																															
REVERSED FRAMES on floors and frames extend from				Centre Girders to Margin																															
State if ordinary or joggled				Joggled																															
State if ordinary or joggled				Joggled																															
MASTS, SPARS, &c.																																			
Material.				Total Length.				DIAMETER AND THICKNESS.				No. of Plates in round.				ANGLES.				RIVETING.															
At Partners.				Heel.				Hounds.				Head.				Number.				Size.				Seams.				Butts.							
LOWER MASTS				Fore				26 x 40				24 x 40				28 x 35				2				4 x 8 x 40				Single				Double			
Main				27 x 40				22 x 35				20 x 35				18 x 30				2				4 x 8 x 40				Single				Double			
Bowsprit				Fore				26 x 40				24 x 40				28 x 35				2				4 x 8 x 40				Single				Double			
Topmasts, Yards and Remainder of Spars				Pitch pine																															
Rigging, Material and Size, Shrouds				3/4 G.S.W.																															
Sails.				Suit of																															
Sails, and the following spare sails																																			

EQUIPMENT No. 32615				LETTER Y				ANCHORS.				TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS																																			
Number of Certificate.				Anchors.				WEIGHT, EX. STOCK.				TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 31.				Description of Anchor.				Makers.				Where and when tested and Superintendent.																			
26287				1st Bower				60 3 0				48 15 0				60 0 0				Ropes Stockless				Not stated				Sld. 11/2/20 L. Haffner																			
26286				2nd "				60 2 14				48 15 0				60 0 0				"				"				Sld. 30/1/20 L. Haffner																			
26136				3rd "				50 2 14				42 15 1				50 2 0				"				"				Sld. 21/1/20 L. Haffner																			
35230				Collective weight.				172 0 0				170 2 0				"				"				"				"																			
35276				Stream				16 2 6				17 16 1				16 1 0				Ordinary				Fellows B.M. Ltd. Gillingham 30/1/20 S.C. Paul				John Green " 27/9/20 S.C. Paul																			
Particulars of Drop Test of Cast Steel Anchors, viz.:-				1st Bower				38 3 0				C.E.W.				753				27-10-20.																											
Weight, Surveyor's Initials, Number of Certificate, Date of Test.				2nd "				33 0 21				W.C.				2776				18-6-20.																											
				3rd "																																											
				4th "																																											
CHAIN CABLES.				HAWSEERS 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.				Length and size per Table 31.			
23336				163 2 1/2				38 2 1/2				399 0 14				370 2 1/2				Steel				Kendrick & Sons Ltd. Cardiff 24/10/20 G.W. Paul				Hawseers & Warps				2,90 2 1/2				12 1/2				20 90 2 1/2							
23357				105 1 1/2				38 2 1/2				356 2 1/2				270 2 1/2				"				"				"				"				"				"				"			
Boats				4 Wood lifeboats 2 @ 29ft. 12 @ 24ft.																																											
Pumps, Number 1 Davit Pump & the hand pump & P.P. full																																															
Windlass is				Steam by Emerson Walker & Son																																											
Engine Room Skylights.				How constructed? Steel plates & angles																																											
Coal Bunker Openings.				How constructed? Steel plates & angles																																											
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c.				6 scuppers P.S. 3 freeing Ports P.S. 24 x 15"																																											
Ceiling in Holds, thickness and material				2 1/2" P.P. laid on battens																																											
Cargo Hatchways.				How formed? Steel plates & angles																																											
State size No. 1 Hatch (Forward)				23'-10" x 15'-0"																																											
No. 2 Hatch				25'-2" x 15'-0"																																											
No. 3 Hatch				30'-4" x 15'-0"																																											
No. 4 Hatch				21'-5" x 15'-0"																																											
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch				4 Webs in No. 1 & 2 5 Webs in No. 2 & 3 2 Webs in No. 3 & 4																																											
Bulwarks, height above deck and description				48' x 25' Sll plates with stays																																											
The foregoing is a correct description.																																															
Builder's Signature (there only)				For LITHGOWS LIMITED.																																											
Surveyor's Signature				R.D. Cairns																																											
Correspondence.				State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)																																											
M 26/3/20 M 5/4/20 M 30/3/21																																															
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 (Joggled Frames)																																											
to plate, &c., conform well to each other?				Yes																																											
from the faying surfaces?				Yes																																											
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																																											
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)?				Yes																																											
General Remarks (State quality of workmanship, &c.)				Workmanship good throughout																																											
This Steel Single Screw Vessel has been built in accordance with the approved plans, the Secretary's letters of the above dates & in general conformity with the Rules for the Class contemplated.																																															
All the Double Bottom tanks peak tanks & deep tank have been tested in accordance with the Rules with satisfactory results.																																															
No. 1-2-5+6 double bottom tanks which are to be used for the carriage of oil fuel have been tested in accordance with the requirements of Section 49 of the Rules.																																															
This Vessel is a Sister Vessel to the S.S. "Clan Macindoe" G.R. F.E. Rpt. No. 17765.																																															
The Plans of Bridge Section Profile & decks as built are forwarded herewith																																															
Plans of Bridge Section Profile & decks as approved are also forwarded which please kindly return for dealing with further sister vessels building.																																															
Logbook Report herewith																																															
The Vessel was placed in dry dock, bottom cleaned, examined & recoated.																																															
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.																																															
The amount of Entry Fee				£ 8 0 0																																											
Special Survey Fee				£ 305 6 0																																											
Travelling Expenses, if any				£ 10 0 0																																											
State whether the Vessel has been built under Special Survey				Yes																																											
I am of opinion this Vessel should be Classed				+ 100 A.I. INTERMEDIATE TWEEN D. B.M. IN																																											
With or without Freeboard, as condition of Class				WITH OUT																																											
Committee's Minute				GLASGOW 21 JUN 1921																																											
Character assigned				+ 100 A.I.																																											
6,21 (S.P.)																																															
Lloyd's A+C.P.																																															
+ L.M.C. 6,21.																																															
Fitted for oil fuel 6,21 J.P. above 150°																																															

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 49.4 ft., R.Q.D. ☒ ft., Bridge 112.7 ft., Forecastle 38.0 (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 as should appear in the Register Book) 2 Decks (Stl.)

Official No. 144253; Signal Letters

State if Machinery is fitted aft No.

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

Outside 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>114'10"</u>	<u>301.9W</u>	Fore peak tank,		<u>122.5</u>
Double bottom, under Engines and Boilers, <small>INCLUDING DRY TANK UNDER BOILERS & T.C.M.P.</small>	<u>41'2"</u>	<u>87.5W</u>	After peak tank,		<u>19.5</u>
Double bottom, if under Engines only,			Deep tank, aft,	<u>30' in. side</u>	<u>774</u>
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	<u>173'4"</u>	<u>561.5W</u>	Other tanks, if fitted,		
Total capacity of double bottom		<u>949</u>	(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. 3049

Date 6.4.20.

No. 737 in builder's yard.

DATES of Surveys held while building

(1920) June 1.7.11.17.30. July.29. August 5.24. September 15.23.28. October 4.11.16. November 5.22. December: 3.7.15.22. (1921) January 12.18.24. February 11.18.24. March 2.8.11.15.16.17.21.23.28 April 7.8.14.15.19.21.25.26. May 2.5.20.31. June 6.14.15

Total No. of Visits 51

Surveyor's Signature

A.D. Cairns

Lloyd's Register Foundation