

Awning or Shelter Deck,
or Pt. Awning Deck.

STEEL STEAMER.

No. 71144

Port of Howdon Date of completion of Report 13th June 1917 Received at London Office TUE. 30 JUL. 1918
Survey held at Howdon Date, First Survey 13th June 1917 Last Survey 23rd July 1918
On the Steel Steamer Clan Macvey Rig Wireless mast

TONNAGE under 5600.41 CLASS 100 A.1. FEET. 52.66 Master R. E. Jones.
Do. between Tonnage Dk. and 3rd, 4th, or Awning Dk. 3.62 Breadth (greatest moulded) 52.66 Year of Appointment 1918
Total under Upper Dk. 52.16 Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 35.42 (1) As Master in service of
Do. of Chamber House 9.94 Deduct height of seven deck when this does not exceed 8ft. 8.00 (2) As Master of this vessel
Do. of Bridge House 85.11 Transverse Number 80.08 Built at Howdon, Newcastle-on-Tyne.
Do. of Forecastle House in 48.65 Length on deck from fore part of stem to after part of sternpost 399.6 When built 1918 Launched 26 April 1918
Do. of Houses on Deck 18.02 Longitudinal Number 31999 By whom built The Northumberland S.S. Co. Ltd
Do. of excess of Hatchways 5817.91 Depth "d" at middle of length. See Secs. 2 & 13. 23.34 Owners Clan Line Steamers Ltd
Do. above Crown of Engine Room 231.24 Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel 11.28 Managers Cayzer Irvine & Co Ltd
Do. above Crown of Engine Room 18.02 (Where necessary to be entered in Reg. Book.)
Do. above Crown of Engine Room 5568.65 Residence London
Do. above Crown of Engine Room 1861.43 Port belonging to Glasgow
Do. above Crown of Engine Room 101.48 Destined Voyage Not fixed If Surveyed while Building, Afloat, or in Dry Dock Yes

Master Tonnage 3623.46 Length on keel as per Rule 399.44 Breadth Moulded 52.8 Depth, Actual 35.42 Top of Floors to top of Awning or Shelter Dk. Beams 32.24 Upper Deck Beams 24.42 No. of Decks with flat laid 2 No. of Tiers of Beams 18
Dimensions of Ship per Register, Length 400.1 breadth 53.00 depth 32.85 Awning or Shelter Dk. Moulded depth, ft. 25 ins. 5 To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual 12.5 ins.
Upper Deck. Moulded depth, ft. 26 ins. 11 To Upper Dk.

FRAMING						PILLARS					
Inches in Ship, in Ship, in Ship, in Ship, in Ship, in Ship						Inches in Ship, in Ship, in Ship, in Ship, in Ship, in Ship					
AME. Angles, or E or L Bars, amidships	11	3 1/2	58	11	3 1/2	58	PILLARS, in 'tween Deck, size and spacing	2 1/2	51	2 1/2	51
do. in peaks	7	3 1/2	42	7	3 1/2	42	" " Hold				
do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	" Quarter, 'tween Dks., "				
" " " at intermdt. Bkts.	8	3 1/2	40	7 1/2	3 1/2	44	" " in Hold				
ing of Frames from centre to centre amidships	25 1/2			25 1/2			KEELSONS AND STRINGERS				
length to collision bulkhead	25 1/2			25 1/2			CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate				
of Frames from centre to centre in peaks	24			24			" Rider Plate				
TERSED FRAME, Angles							" Flat Keel Plate Angles				
do. in way of Double bottoms at Solid Floors	3 1/2	3 1/2	40.50	3 1/2	3 1/2	40.50	" Horizontal Plates on Floors				
" " " at intermdt. Bkts.	7 1/2	3	40.50	7	3	40.50	" Angles or Bulb Angles				
MING, depth of girder	11			11			" SIDE KEELSONS, Number				
ORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships							" 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-bdth. as per Rule							" Attached to outside plating with Angle				
height extended at the Bilges							BILGE KEELSON, Angles				
ORS & BRACKETS, in Cell Dble Bottoms	40	36	50B	40	36	50B	" Intercoastal Plate, for length				
" state if flanged (top & bottom)							" Attached to outside plating with Angle				
" spacing	16 1/2			16 1/2			SIDE STRINGERS, Number				
RE GIRDER, in Dbl. bottom, dpth & thickness	43	50	60B	43	50	60B	" Angle				
" Angles, Top	4 1/2	4 1/2	60	4 1/2	4 1/2	60	" Intercoastal Plate, for lng.				
" " Bottom	4 1/2	4 1/2	60	4 1/2	4 1/2	60	" Attached to outside plating with Angle				
" to Floors	5	5	56	5	5	56	Awning or Shelter Deck Stringer Plates, breadth and thickness				
GIRDERS, number and thickness	42	40	36	42	40	36	" Angle on ditto	5x5	58	5x5	58
" state if flanged (top & bottom)	2	40	36	2	40	36	" Tie Plates, fore and aft, outside Hatchways				
Angles	3 1/2	3 1/2	40	3 1/2	3 1/2	40	" Deck * Iron or Steel, for full lng.	40	34	40	34
IN PLATE, depth (exclusive of flange) and thickness	35	48	58B	35	48	58B	" Wood Deck, Material & thickness				
Angles to outside plating	4	4	48	4	4	48	Upper Deck Stringer Plate, breadth and thickness	60	44	60	44
" to floors	5	5	56	5	5	56	" Angles on ditto, No. 2	3 1/2 x 3 1/2	46	3 1/2 x 3 1/2	46
Height of Brackets above at bilge	33			33			" Tie Plates, outside Hatchways				
Bottom PLATING, breadth and thickness of Middle Line Strake	65 1/2	50	40	65 1/2	50	40	" Deck * Material and thickness				
" thickness in Engine and Boiler space	50 1/2	56B	48	50 1/2	56B	48	" Deck * Iron or Steel, for full lng.	34	30	34	30
" " " under Hatchways on line of ceiling	40	36		40	36		" Wood Deck, Material & thickness				
" " " Remainder in Holds	40	36		40	36		Second Deck Stringer Plates, br'dth & thckn's				
S, Awning or Shltr Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	9	3 1/2	48	8 1/2	3 1/2	50	" Angles on ditto, No.				
Angles on upper edge							" Tie Plates, outside Hatchways				
spacing	25 1/2			25 1/2			" Deck * Material and thickness				
S, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	11	3 1/2	56	11	3 1/2	56	" Deck. Material and thickness				
Angles on upper edge							Third, Fourth & Fifth Deck Stringer Plate, breadth & thickness				
spacing	51			51			" Angles on ditto, No.				
S, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel							" Tie Plates, outside Hatchways				
Angles on upper edge							" Deck. Material and thickness				
spacing							Poop Deck Stringer Plate, breadth & thickness				
S, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel							" Angles on ditto				
Angles on upper edge							" Tie Plates				
spacing							" Deck. Material and thickness				
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel							Bridge Deck Stringer Plate, br'dth & thickness				
Angles on upper edge							" Angle on ditto				
spacing							" Tie Plates				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	8 1/2	3 1/2	46	8 1/2	3 1/2	46	" Deck. Material and thickness				
Angles on upper edge							Forecastle Deck Stringer Plate, br'dth & th'kns	34	34	34	34
spacing	25 1/2	24		25 1/2	24		" Angle on ditto	3 1/2 x 3 1/2	34	3 1/2 x 3 1/2	34
							" Tie Plates				
							" Deck. Material and thickness	Steel	34		34

W453-0179/12

[illegible]

EQUIPMENT No. 14006										LETTER 4										ANCHORS.									
Number of Certificate.		Anchors		Cwts. qrs. lbs.		Cwts. qrs. lbs.		Tons. cwt. qrs. lbs.		Cwts. qrs. lbs.		Cwts. qrs. lbs.		Description of Anchor.		Makers.		Where and when tested and Superintendent.											
148874		1st Bower		62 1 0		49 12 2 0		60 0 0		Ryder's		Taylor & Sons		LPMT 17/9/17		J. M. Purcell													
148880		2nd "		62 0 0		47 10 0 0		60 0 0		"		"		17/9/17		"													
148884		3rd "		50 2 0		42 13 3 0		60 2 0		"		"		18/9/17		"													
22087		Collective weight		144 3 0		17 18 1 21		16 1 0		Rogers		"		LPMS 14/7/17		J. H. Haffner													
22188		Stream		16 2 14		4 2 7		9 9 7 14		7 0 0		"		30/3/17		"													
22188		Kedge		7 1 0		1 3 14		9 9 7 14		7 0 0		"		"		"													
CHAIN CABLES.																													
Number of Certificate.		Length and Size supplied.		Test per Certificate.		Weight of Chain Cable.		Fathoms 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.		Fathoms and Size per Table 31.							
107301A		210 2 3/8		86 3/4		22 1/2		502 1 0		240 2 3/8		Steel		Taylor & Sons		S. 12/7/18		J. H. Haffner		TOWLINE		120 4 1/2		4 1/2					
107301A		210 2 3/8		86 3/4		22 1/2		502 1 0		240 2 3/8		Steel		Taylor & Sons		S. 12/7/18		J. H. Haffner		TOWLINE		120 4 1/2		4 1/2					
107301A		210 2 3/8		86 3/4		22 1/2		502 1 0		240 2 3/8		Steel		Taylor & Sons		S. 12/7/18		J. H. Haffner		TOWLINE		120 4 1/2		4 1/2					
HAWERS AND WARPS.																													
Number of Certificate.		Length and Size supplied.		Test per Certificate.		Weight of Chain Cable.		Fathoms 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.		Fathoms and Size per Table 31.							
107301A		210 2 3/8		86 3/4		22 1/2		502 1 0		240 2 3/8		Steel		Taylor & Sons		S. 12/7/18		J. H. Haffner		TOWLINE		120 4 1/2		4 1/2					
107301A		210 2 3/8		86 3/4		22 1/2		502 1 0		240 2 3/8		Steel		Taylor & Sons		S. 12/7/18		J. H. Haffner		TOWLINE		120 4 1/2		4 1/2					
107301A		210 2 3/8		86 3/4		22 1/2		502 1 0		240 2 3/8		Steel		Taylor & Sons		S. 12/7/18		J. H. Haffner		TOWLINE		120 4 1/2		4 1/2					
Boats 4 Life boats and 2 dinghies																													
Pumps, Number 1 6" Downton 1 5" Left in fore hold																													
Steering Gear, Steam 400d																													
Steering Gear, Hand 90d																													
State whether they are in efficient working order																													
Capstan																													
Windlass is iron patent																													
Engine Room Skylights. How constructed: Steel plates & angles																													
What arrangements for deadlights in bad weather: Steel shutters & lights																													
Coal Bunker Openings. How constructed: Steel plates & angles																													
How are lids secured: 13 altered																													
Height above deck: 30"																													
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 1/2 scuppers to sea below shelter 1/2																													
7 freeing ports, 30x15"																													
Ceiling in Holds, thickness and material: Fir-limbers only 2 1/2" W.P.																													
Cargo Hatchways. How formed: Steel plates and angles																													
Hatches, If strong and efficient? Yes																													
State size No. 1 Hatch (Forward) 29.9 x 20.0																													
No. 2 Hatch 29.9 x 20.0																													
No. 3 Hatch 31.0 x 20.0																													
No. 4 Hatch 29.9 x 20.0																													
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch																													
5 Beams in No. 1 & 2 4 - 6 in No. 3 & 3 in No. 4																													
No. of Breasthooks 10																													
No. of Crutches 38																													
Bulwarks, height above deck and description: 4 1/2 x 25" Steel plating																													
Main Rail and Stays, material and size: 6 1/2 x 3 1/2 x 40 1/2" galvanized steel																													
The foregoing is a correct description of the vessel																													
Builder's Signature: Richard Barlick																													
Surveyor's Signature: James Gregory																													
Surgeon 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 correspondences connected with this case)																													
M 4.12.18																													
Workmanship. Are the butts of plating planed or otherwise fitted? Lapped and 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 plates 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: Good																													
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes																													
State results of tests: Good																													
General Remarks (State quality of workmanship, &c.)																													
This vessel has been built in accordance with the Rules, the approved Plans and the Secretary's Letters relating thereto																													
The workmanship and materials are good throughout.																													
The plans of Building Section & Profile as built, & the approved plans are forwarded herewith please return the latter for delivery with sister vessels now building.																													
On completion this vessel was placed in Palmer Dry Dock Highbarn, Her bottom examined cleaned and re-coated																													
The watertight bulkheads 43-79-102-148 have been carried up to Shelter Deck, the hold bulkheads have been additionally strengthened by fitting 2 webs 20 1/2 x 18 x 40 to each but they have not been otherwise strengthened above Rule requirements for bulkheads to height of upper deck as approved.																													
Bulkhead 118 is carried to upper deck only but is of scantling required to height of Shelter Deck as approved for ss Nos 250 etc.																													
S.S. Clan Macvicar has Report No 70821 is a sister vessel in most respects.																													
The Surveyor should state the Number of Report and Name of any Sister Vessel.																													
The amount of Entry Fee £ 5 : 0 : 0																													
Special Survey Fee £ 164 : 4 : 6																													

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 39 ft. *m Sheller Dr*
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *Complete Sheller Dr without tonnage opening*

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 Dr (Stl) and Sheller Dr (Stl)*

Official No. 141884 ; Signal Letters State if Machinery is fitted aft No

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 or with girders on floors. Cell St

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>140.3</u>	<u>459</u>	Fore peak tank,		
Double bottom, under Engines and Boilers,	<u>44.7½</u>	<u>207</u>	After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,	<u>22.0</u>	<u>110</u>
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	<u>165.9</u>	<u>634</u>	Other tanks, if fitted,		
	Total capacity of double bottom	<u>1300</u>	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks. 350.7½ State whether the above have been tested as required by the Rules. Yes

Order for Special Survey No. 4686 1917
Date 21.3.1917.
No. 245 in builder's yard.

DATES of Surveys held while building
Jan. 13. 20. 25. Feb. 12. 17. 20. 24. 26. 30. 31. Aug 10. 15. 20. 21. 28. 30. Feb. 3. 7. 17. 20. 24. Oct. 1. 5. 10. 12. 17. 19. 23. 26. 29. 31. Mar 5. 7. 9. 13. 15. 26. 26. 28. Dec 10. 13. 19. Feb. 1. 6. 7. 12. 14. 22. 25. 27. Mar 4. 7. 11. 14. 21. 22. 27. Apr 5. 5. 6. 12. 15. 17. 18. 23. 26. May 1. 7. 9. 16. 24. Jun 5. 14. Jul 4. 8. 10. 12. 15. 16. 18. 23.

Surveyor's Signature James Gregory E. J. Mellon