

Rpt. 1.

DISCLOSED
SECTION

No. 819C

FREE MERCHANT STEEL STEAMER OF MOTORSHIP.

State if Report has been sent on the Freeboard of the Vessel **YES**

State if Report is sent on the Machinery of the Vessel **YES**

DISCLOSED
SECTION

No. 819C

Date of completion of report

29th November, 1940. Port of GREENOCK.

No. 21165.

Survey held at PORT GLASGOW

Date First Survey 23rd OCTOBER, 1939. Last Survey 24th NOVEMBER, 1940.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

SINGLE SCREW STEAMER "COULBEG"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

COMPLETE SUPERSTRUCTURE WITH TONNAGE OPENING.

State Type of Erections PCLE ON UPPER DECK.

TONNAGE under Tonnage Deck... 4679.99

CLASS 100 A.1.

State if with freeboard as condition of Class **YES**

Built at PORT GLASGOW.

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Length from fore part of stem to after part of stern } L 425.0
most on summer L.W.L. See Sec. 3 (1a)

Launched AUGUST 26th 1940 Yard No. 338

Total

Breadth (greatest moulded) B 56.0

Builders LITHGOWS LTD

Gross Tonnage

5237.17

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 36.75

Owners THE DORNOCH SHIPPING CO LTD

Register Tonnage

3059.22

1st Longitudinal Number (L x D) = 15194

Managers LAMBERT BROS LTD

2nd Numeral L x (B + D) = 33994

(Where necessary to be entered in Reg. Book.)

Residence GLASGOW

REGISTERED DIMENSIONS.

FEET.

Length

432.25

Framing Depth "d," at middle of length. See Sec. 3 (1d) 23.75

11.56

Port of Registry GLASGOW

Breadth

56.2

Proportions—Depth to Length—Uppermost continuous deck to top of keel Do. Long Bridge to top of keel

If surveyed while building, afloat, or in dry dock

Depth

24.9

Draught Moulded 24' 7 1/2"

BUILDING & AFLOAT

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	31		Bracket Floors, Frame	BA 6 3/2 7/16	approved 6 x 3 1/2 x 4 x 2 BA
" " from 1/2 length amidships to Collision bulkhead	27		" " Reversed Frame	BA 6 3/2 7/16	in BA 7/16
" " in peaks	24		" " Vertical Struts	BA 6 3/2 3/4	in BA
SIDE FRAMING.			Centre Girder, depth and thickness amidships	48 x 49	
Frame Amidships, Angle E or C	12 3/2 9/16		" " top Angles	4 4 9/16	approved 4 x 4 x 50, 65?
" " Extends up to	2nd DECK		" " bottom Angles	4 4 9/16	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	ONE @ .38	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	44 1/2 x 54	
Depth of Framing Girder	12		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 1/2 6 1/2 5/8 T BAR	
Frames in Uppermost Continuous 'tween Decks, Angle E or C	6 3/2 35		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	6 1/2 6 1/2 5/8 T BAR	
" " Second 'tween Decks, Angle E or C			" " Gussets, spacing and scantling abaft 1/2 len. from stem	42 CONTINUOUS	
" " Third " " " "			" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	42 CONTINUOUS	
" " from 1/2 len. for'd. to 15% len. from Stem	12 x 3 1/2 x 50 BA		Tank Side Brackets, height above base line at toe of Frame and thickness	6' 3" x 44	
" " in Peaks, Angle E or C	8 3/2 35		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 @ 5 3/4 IN SIDE FRAMES 7/8 @ 6 1/4 IN BOTTOM FRAMES		Breadth and thickness of Middle Line Strake	78 x 50	
State if Frame Joggled	YES		Thickness of remainder in Holds	44 - 40	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	YES	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	YES		BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle E or C	10 3/2 7/16	
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle E or C		
Height of Brackets at side above base line at toe of frame			Spacing	31	
Middle Line Keelson, on Floors, Angles E or C			Second Deck, amidships, Angle E or C	12 3/2 45	
" " Through Plate or Intercoastal Plate			Spacing	31	
" " Foundation Plate on Floors			Third Deck, amidships, Angle E or C		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side			Fourth Deck, amidships, Angle E or C		
" " thickness of Intercoastal Plate			Spacing		
" " Angles			Poop Deck, Angle E or C		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	42 EVERY 38" FRAME		Bridge Deck, Angle E or C		
" " Are Frame and Reversed Frame joggled?	YES		Spacing		
Bracket Floors, breadth and thickness at middle line	2' 8 1/4 x 42		Forecastle Deck, Angle E or C	8 3 42	
" " breadth and thickness at margin plate	2' 8 1/4 x 42		Spacing	7 3 36	

PILLARS AND DECKS.

PILLARS, No. of Rows.....	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
Centre Line Bulkhead.				
Stiffeners and Spacing.....	6.2" APART	CENTRE LINE BULKHEAD WITH REINFORCED HATCH SIDE GIRDERS & HATCH END BEAMS & EXTRA GIRDER UNDER UPPER DECK EXTENDING FROM AFT OF ENGINE CASING TO FORW OF BOILER CASING FITTED AT OWNERS REQUEST.		
Plating, thickness of	12 3/2 48 ETC.	AT ALTERNATE FRAMES		
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness in Wells.....	66x60-42			
" " " " in way of Bridge.....	✓			
" " " " Angle in Wells	6 6 60			
Thickness of Plating abreast Deck openings in way of Wells	55-44			
Thickness of Plating abreast Deck openings in way of Bridge	✓			
Thickness of Plating within line of openings.....	40-36			
If Sheathed, material and thickness	NOT SHEATHED			
Second Deck.				
Stringer Plate, breadth and thickness in Wells.....	72x40	COMPOSITION FITTED OVER ACCOMMODATION.		
Stringer Plate, breadth and thickness in way of Bridge.....				
Thickness of Plating abreast Deck openings in way of Bridge				
Thickness of Plating within line of openings.....				
If Sheathed, material and thickness				
Third Deck.				
Stringer Plate, breadth and thickness.....				
If Plated, state thickness.....				
Fourth Deck.				
Stringer Plate, breadth and thickness.....				
If Plated, state thickness				
Poop Deck.				
Stringer Plate, breadth and thickness				
Plating, Sheathing, material and thickness				
Bridge Deck.				
Stringer Plate, breadth and thickness.....				
Plating, Sheathing, material and thickness				
Forecastle Deck.				
Stringer Plate, breadth and thickness.....	35x36	PLATING		
Plating, Sheathing, material and thickness	32	NOT SHEATHED		

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	RIVETS. SINGLE OR DOUBLE.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.		Diam.			Spacing cr. to cr.	Diam.		Spacing cr. to cr.
	Inches.	Inches.	Inches.	Inches.		Inches.			Inches.	Inches.		Inches.
FLAT PLATE KEEL	52	78	68	68		DOUBLE	7/8	3 3/4	QUAD TREBLE	7/8	4 1/2	LAPPED
" DBLG. (if any)					35 STRAKES OF BOTTOM PLATING FROM 1/2 LEN FOR TO COLLUSION BHP - .66 THICK							
BOTTOM PLATING, No. of Strakes ..		60	50	50		DOUBLE	7/8	3 3/4	TREBLE	7/8	3 1/8	"
BILGE PLATING, No. of Strakes		60	50	50		"	"	"	"	"	"	"
SIDE PLATING, No. of Strakes		60	46	46		"	"	"	"	"	"	"
UPPER DECK, Sheer-strake in Wells	56	69	46	46		"	"	"	QUAD TREBLE	"	3 1/2 3/8	"
UPPER DECK, Sheer-strake in Bridge ...	✓					"	"	"	QUAD TREBLE	"	3 1/2 3/8	"
STRAKE BELOW Sheer-strake in Wells	58	64	46	46								
STRAKE BELOW Sheer-strake in Bridge ...	✓				SIDE PLATING IN WAY OF PAINTING AREA .58 IN LIEU OF SIDE STRINGERS.							
POOP SIDE PLATING	✓											
BRIDGE SIDE PLATING ...	✓					SINGLE	7/8	3 1/2	SINGLE	7/8	3 1/8	LAPPED.
FOREC'TLE SIDE PLATING				40								
					FORGINGS and CASTINGS.							

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel.....	7
Extending to Upper Deck (Sec. 3 c)	1
" Deck next below	6
As per Rule	7

STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	✓				
" " Second	✓				
" " Third	✓				
" " Holds	34-26 12x3 1/2 x 50 BA 30"				
" " (in Hold)	59-31 10x3 1/2 x 48 BA 21				
COLLISION	48-35 1/2 x 3 x 36 BA 21				
AFTER PEAK					

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				
STEM				
STERN FRAME				
Propeller Post				
Rudder				
Speed of Vessel				
RUDDER-Type				
" A x D				
" Diam. of head				
" Mainpiece at top pintle				
" heel				
" how constructed				
" double single plate				
" coupling, vertical or				
" horizontal				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

COLVILLES, STEEL CO OF SCOTLAND, THE LANARKSHIRE STEEL CO.

Has the Steel been tested as required by the Rules?

YES

Lloyd's Register Foundation

ANCHORS.

Builder's Signature **FOR LITHGOWS LIMITED** *R. Campbell*

This vessel has been built in accordance with the approved plans & in general conformity with the Society's rules for the class contemplated. The materials & workmanship are of good quality. All the double bottom tanks, cofferdams, fore & after peak tanks & fresh water tanks have been tested as required by the rules & found satisfactory. The weather decks, W.T. bulkheads, tunnel & W.T. doors were also tested & found satisfactory. The freeboard has been verified & the marks cut in on the vessel's sides. The pumps, steering gear, windlass, W.T. doors, auxiliary steering gear & bilge suction are tested under working conditions & found satisfactory. Emergency equipment has been supplied to this vessel.

Art. 75



Lloyd's Register
Foundation

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

The plans as built are similar to the Aircraft & will not be forwarded.

This vessel is a sister vessel of the S.S. Aircraft. Lithgum Ltd No 936 & Greenwich First Entry report No 21128

Plans of vessel to be returned to deal with further duplicate vessels.

Forging reports & invoices are forwarded herewith.

PARTICULARS OF ELECTRIC WELDING (if employed) Corner bars at bulkheads & tank end; heads & heels of solid pillars; tank top connections to centre line bulkhead stiffeners; Cruiser stern & boss plating as approved; Auxiliary engine seats; tunnel stools & bulkhead brackets.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book CRUISER STERN; LLOYDS ANCP; D.F.

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials,
Number of Certificate, Date of Test.

1st Bower 44-1-0: JD: 2584: 24-1-40.
2nd „ 43-0-7: JD: 2607: 2-2-40.
3rd „ ✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 39.4

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

Official No. 165,992.

Signal Letters

Extreme Breadth over Belting (Circ. 1611)

Over-all Length 447.6. (Circ. 1703)

No. and Material of Decks 1 DRY SHELTER DK

Parts of Bottom of Vessel coated with cement or approved composition COATED WITH CEMENT IN DOUBLE BOTTOM PEAKS.

Particulars of composition (if fitted) and of approval

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Cap. Tons.
Double bottom, aft,	131.75	500	Fore peak tank,		122
Double bottom, under Engines and Boilers,			After peak tank,		177
Double bottom, if under Engines only,	25.8	138	Deep tank, aft,		
Double bottom, if under Boilers only, DRY TANK W.T. Comp	15.5		Deep tank, forward,		
Double bottom, forward,	194	869	Other tanks, if fitted,		
Total length (if continuous) and Capacity	✓ 369.5	✓ 1507	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 3461.

Date 22ND DECEMBER, 1939

Dates of Surveys held while building

(1939) OCT. 23. DEC. 18. (1940) JAN. 4. FEB. 5. 12. 13. 20. 23. 28. MAR. 13. 15. 24. APR. 2. 4. 9. 29. 30. MAY 8. 10. 13. 20. 21. 23. 24. JUNE 4. 10. 11. 14. 20. 25. 28. JULY 9. 16. 18. 23. 24. 26. 29. 31. AUG. 1. 2. 19. 20. 22. 23. 26. SEPT. 5. 11. 19. 20. 25. OCT. 8. 11. NOV. 5. 11. 14. 20. 21. 26. 27.

Total No. of Visits 60.