

RECEIVED

STEEL STEAMER

MOTORSHIP

27 APR 1949

Received at London Office

5 MAY 1949

IN D.O.

State if Report has been sent on the Freeboard of the Vessel YESState if Report is sent on the Machinery of the Vessel YESDate of completion of report 20-4-49 Port of GREENOCK No. 23858Survey held at PORT GLASGOW & GREENOCK Date First Survey 1ST DECEMBER 1947 Last Survey 28TH MARCH 1949On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) STEEL SINGLE SCREW "COULGARVE" (MACHINERY AMIDSHIPS)State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) COMPLETE SUPERSTRUCTURE WITH TONNAGE OPENING State Type of Erections FORECASTLE ON SHELTER DECKTONNAGE under Tonnage Deck ... 2515.59CLASS 4100A1State if with freeboard as condition of Class YESBuilt at PORT GLASGOWDo. of space or spaces between Tonnage Dk. and Upper Dk. ✓Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 345.0Launched 16-12-48 Yard No. 1049Total ✓Breadth (greatest moulded) B 48.15Builders LITHGOWS LTDDepth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) UD 29.5Owners DORNOCH SHIPPING CO. LTDGross Tonnage 2946.491st Longitudinal Number (L x D) 10177.5Managers LAMBERT BROS. LTDRegister Tonnage 1612.802nd Numeral L x (B + D) 26996.25

(Where necessary to be entered in Reg. Book)

REGISTERED DIMENSIONS.

FEET

Length 350.5Breadth 49.0Depth 19.35Framing Depth "d" at middle of length. See Sec. 3 (1d) 18.5Residence ✓Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.7Port of Registry GLASGOWDo. Long Bridge to top of keel ✓

If surveyed while building, afloat, or in dry dock

Draught Moulded 20'-4 1/4"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.....	28 ✓		Bracket Floors, Frame	6 3 1/2 - 36	APP 5 x 3 1/2 x 40 ✓
" " from 1/2 length amidships to Collision bulkhead.....	27 ✓		" " Reversed Frame.....	5 3 - 36	✓
" " in peaks	24 ✓		" " Vertical Struts	7 x 3 1/2 x 3 1/2 x 36	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	38 x 48	✓
Frame Amidships, Angle, E or F	9 3 1/2 - 50 (HOLD) ✓		" " top Angles	DOUBLE 3 3 - 42	✓
" " Extends up to.....	2 ND DECK ✓		" " bottom Angles.....	DOUBLE 4 4 - 48	✓
Reversed Frame Amidships, Angle	—		Side Girders, No. each side and thickness.....	ONE ✓ - 34	✓
" " Extends up to	—		Margin Plate depth (excl. of flange) and thickness	34 x 46	APP 29 1/2 x 46 ✓
Depth of Framing Girder.....	9 ✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	6 1/2 6 1/2 - 55	TEE ✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	6 3 1/2 - 36 ✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	6 1/2 6 1/2 - 55	TEE ✓
" " Second 'tween Decks, Angle, E or F	—		" " Gussets, spacing and scantling abaft 1/4 len. from stem.....	36	CONTINUOUS IN WAY OIL FUEL EVERY 2 ND FRAME CLEAR OF OIL FUEL ✓
" " Third	—		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	36	EVERY FRAME. ✓
" " from 1/2 len. for'd. to 15% len. from Stem	10 3 1/2 - 48 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	58 1/2 x 38	✓
" " in Peaks, Angle, E or F	6 3 1/2 - 40	APP 6 x 3 x 40 ✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 7 DIAS ✓		Breadth and thickness of Middle Line Strake...	49 x 48	✓
State if Frame Joggled.....	YES ✓		Thickness of remainder in Holds	40 ✓ - 48	UNDER HATCHES ✓
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	8 3 - 38	✓
Floors, Depth and thickness at mid-line in Holds.....			" " Wells, Angle, E or F	—	
Height of Brackets at side above base line at toe of frame.....			" " in way of Bridge, Angle, E or F	—	
Middle Line Keelson, on Floors, Angles, E or F			Spacing	EVERY FRAME	✓
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle, E or F	10 3 1/2 - 42	✓
" " Foundation Plate on Floors			Spacing	EVERY FRAME	✓
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or F	—	
Side Keelsons, No. each side.....			Spacing	—	
" " thickness of Intercostal Plate.....			Fourth Deck, amidships, Angle, E or F	—	
" " Angles			Spacing	—	
DOUBLE BOTTOM.			Peep Deck, Angle, E or F	—	
Solid Floors, thickness and spacing	36 EVERY 4 TH FRAME (AND EVERY 3 RD FRAME in plan) ✓		Spacing	—	
" " Are Frame and Reversed Frame joggled?	YES ✓		Bridge Deck, Angle, E or F	—	
Bracket Floors, breadth and thickness at middle line	29 x 36		Spacing	7 3 1/2 - 36	✓
" " breadth and thickness at margin plate.....	29 x 36		Forecastle Deck, Angle, E or F	5 3 - 36	✓
			Spacing.....	EVERY FRAME	✓

(MADE IN ENGLAND.)

005387-005396-0273 1/2

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 (HOLDS) (T DECK) SPACED 56"		9	3	.38	✓				
Plating, thickness of (HOLDS) (T DECK) 56"		9	3	.40	✓				
Plating, thickness of (HOLDS) (T DECK) 56"		5	3	.30	✓				
Plating, thickness of (HOLDS) (T DECK) 56"				.30	✓				
Plating, thickness of (HOLDS) (T DECK) 56"				.26	✓				
STRINGERS AND DECKS. Uppermost Continuous Deck. Stringer Plate, breadth and thickness in Wells		60	x	.50	✓	APPROVED 52 x .54			
Stringer Plate, breadth and thickness in way of Bridge				—					
Angle in Wells		5	5	.50	✓				
Thickness of Plating abreast Deck openings in way of Wells		41	x	.38	✓				
Thickness of Plating abreast Deck openings in way of Bridge				—					
Thickness of Plating within line of openings...				.35	✓	APPROVED 45 x .36			
If Sheathed, material and thickness.....				UNSHEATHED	✓				
Second Deck. Stringer Plate, breadth and thickness in Wells		69	x	.36	✓	APPROVED 45 x .36			
Stringer Plate, breadth and thickness in way of Bridge				—					
Thickness of Plating within line of openings...				.35	✓	APPROVED 45 x .36			
If Sheathed, material and thickness.....				UNSHEATHED	✓				
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.....				.34	✓				
Plating, Sheathing, material and thickness.....				.32	✓				

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	UPPER EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? No.	SINGLE OR DOUBLE.	RIVETS.		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.....	48	64	58	58		DOUBLE	7/8	3 1/2	THREE	7/8	3 1/2	LAPPED.	
„ Dble. (if any)					SIDE SHELL								
Bottom Plating, No. of	B 66	.52	.44	.52	INCREASED TO .52	A DOUBLE	7/8	3 1/2					
Strakes FOUR.....	B 66	"	STEALER	.52	IN LIEU OF FITTING	B "	"	"					
	C 66	"	.44	.46	SIDE STRINGERS.	C "	"	"					
	D 63	"	STEALER	STEALER		D "	"	"					
Bilge Plating, No. of	E 72	.52	.44	.46		E "	"	"					
Strakes ONE.....													
Side Plating, No. of	F 63	.52	.42	.42		F "	"	"					
Strakes THREE.....	G 66	"	"	"		G "	"	"					
	H 66	"	"	"		H "	"	"					
Upper Deck, Sheer- strake in Wells	K 66	.58	.42	.42		K						WELDED	
AMIDSHIPS.....													
Upper Deck, Sheer- strake in Bridge ...													
Strake below Sheer- strake in Wells	J 66	.56	.42	.42		J DOUBLE	7/8	3 1/2					
AMIDSHIPS.....													
Strake below Sheer- strake in Bridge ...													
Deep Side Plating.....													
Bridge Side Plating.....			.39/60			L SINGLE	7/8	3 1/2					
	L												
Forecastle Side Plating	M		.39			M							

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		SEVEN ✓				
Extending to Upper Deck (Sec. 3 c).....		ONE ✓				
,, Deck next below.....		SIX ✓				
As per Rule.....		SIX ✓				
Call 142, 119, 90, 77, 57, 33, 8/9						
		STIFFENERS.				
		VERTICAL.				
		HORIZONTAL.				
		Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKH'D, Upper 'tween decks	FR 77	26	3 1/2 x 3 x 36	30"-33"	—	—
" " Second	"	—	—	—	—	—
" " Third	"	—	—	—	—	—
" " Holds	"	28 33 29 22 29 38 30 45	4 x 3 1/2 x 34 5 x 3 x 42 9 x 3 1/2 x 40 10 x 3 1/2 x 40 9 x 3 x 50 3 1/2 x 3 x 46 5 x 3 x 36 8 x 2 x 46	20"-33" 24" 24"	—	—
COLLISION	(in Hold)	30	3 1/2 x 3 x 46	24"	RECESS TOP A	ONE SEMI-BOX B
AFTER PEAK	"	45	5 x 3 x 36	24"	ONE SEMI-BOX B	ONE SEMI-BOX B
		STERN TRUCE				
		PLATE 75				

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar	FLAT PLATE	✓		
STEM	ROLLED BAR	9x2 1/4 ✓		
STERN FRAME {	CAST STEEL	AS APPR	WM BEARDMORE & CO L ^Y	
{ Propeller Post				
{ Rudder				
Speed of Vessel	12 KNOTS	✓		
RUDDER—Type	STREAMLINE	✓	(FRAME CS)	
A x D.	348	✓	(STEEL FORGED)	
Diam. of head	9 3/8	✓	WM BEARDMORE & CO L ^Y	
Mainpiece at top pintle	✓			
" heel	✓			
how constructed	BUILT	✓		
double or single plate coupling, vertical or	DOUBLE	✓		
horizontal	HORIZONTAL	✓		

STEEL.

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

COLVILLES, L^R STEEL C^O OF SCOTLAND

LANARKSHIRE STEEL CO. LD

Has the Steel been tested as required by the Rules? YES.

Lloyd's Register
Foundation

EQUIPMENT No. 27606 ✓											LETTER W ✓		ANCHORS.				
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested, and Superintendent.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.					
53072	1st Bower ...	53	0	0	STOCKLESS			44	5	0	0	✓	52½ ✓	BYERS IMPROVED C.S. HEAD	✓	SLD. 8/11/48 J.H. ✓	
53021	2nd „ ...	52	1	21	✓	“		43	18	3	0	✓	52½ ✓	“ “ “ “	✓	SLD 21/10/48 J.H. ✓	
53162	3rd „ ...	44	3	21	✓	“		39	5	0	0	✓	44½ ✓	“ “ “ “	✓	SLD 1/12/48 J.H. ✓	
	Collective weight	150	1	14	✓								149½ ✓				
66581	Stream	14	1	14	✓	3	2	21	15	19	0	7	✓	14 ✓	ORDINARY ELEC. WELDED	✓	CRADLEY HEATH 3/11/48 H.P. ✓

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.			Length and Size per Table 53.		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 53.		
	Fathoms.	Diam.	Statu-tory.	Break-ing.	Supplied.	Per Rule.		Fathoms.	Diam.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
6868	270	1 13/16	82.8	115.9	483.3	21	573.3	270	2 1/8	STEEL LINK FLAT SPECIAL STEEL	NORTH BRITISH ELECTRIC WELDING CO. L.P.	GLASGOW 23/11/48 LLW. ✓	TOWLINE	120	4 1/2	43.3	120	4 1/2	
													HAWSERS & WARPS	2 @ 90	2 1/2	13.2	2 @ 90	2 1/2	
														2 @ 90	2 1/2	13.2	2 @ 90	2 1/2	
Iron Stream Chain or Steel Wire	90	4 1/2						90	4 1/2		MARTIN BLACK & CO. (WIRE ROPE) L.P.								

Steering Gear, Type (Power or hand)	HASTIES STEAM ✓	Alternative Means of Steering	BLOCKS & TACKLE 16 AFTER WINCH. ✓		
Steering Chains (Size and Test)	TELE MOTOR CONTROL (GEAR AFT) ✓ T.T. plat increased 100 in thickness in lieu of casting	Windlass	CLARKE CHAPMAN ✓ (STEAM)		
Ceiling in Holds, thickness and material	W.P. OVER BILGES ONLY ✓ under the hatchways	Cargo Battens, thickness, material and spacing	6" x 2" W.P. BATT SPACED 15" CENTRES. ✓		
Cargo Hatchways.—(Upper Deck)	STEEL COAMINGS — STIFFENED ✓	Thickness of Hatches	See Jtd Rpt		
Size of Hatchways No. 1 (Fwd.)	27'-0" x 16'-0"	No. 2	28'-0" x 20'-0"		
	No. 3	17'-0" x 18'-0"	No. 4	25'-8" x 20'-0"	
	No. 5	25'-8" x 20'-0"	No. 6	—	
of Shifting Beams } Fore and Aft	4 ✓	4 ✓	2 ✓	4 ✓	4 ✓

AL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel YES ✓
 (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. NO ✓ The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).
 This vessel is built in conformity with the Society's Rules & Regulations and the Secretary's letters.
 The scantlings and arrangements are in accordance with, or equivalent to those shown on the approved plans.
 The materials and workmanship are of good quality.
 The double bottom tanks, cofferdams, fore and after peak tanks, side fuel bunkers were tested as required by the Rules and found satisfactory.
 The weather decks, w.t. plate and bulkheads, stunnel were satisfactorily tested.
 The pumps, steering gear, windlass, bilge sections, w.t. doors, and auxiliary steering gear were tried and found efficient.
 The fireboard has been verified and the marks cut in on the vessel's side.
 (see over)

The amount of Entry Fee	£	—	Fees applied for,	22ND APRIL 1949	(Special notations, where part of class, to be stated.)
Special Survey Fee	£52.2	—	Received by me,	19	
LOAD LINE CERTIFICATE	£22	—			
Travelling Expenses, if any	£	—			
State whether the Vessel has been built under Special Survey		YES	I am of opinion the Vessel should be Classed <u>+ 100 A1</u> with fireboard.		
Certificate to be sent to		GREENOCK	Signature <u>M. J. Wilson</u> Surveyor to Lloyd's Register of Shipping.		
Date of issue		17/6/49			
Committee's Minute		GLASGOW 26 APR 1949			
Character assigned		-1- 100 A1			
		with fireboard			

Lloyd's Assoc.
 -1- Rule 3.49 7D.
 Fitted for oil fuel 3.49 7D. above 1500 ft
 0233 2/2

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.)

Oil fuel (flash point above 150°F) is carried in Nos 2, 3 & 6 double bottom tanks and side tanks in machinery space. Sections 20 & 34 of the Rules 1947/8 have been complied with, so far as they are applicable.

The plans of Machinery Section and Profile & Deck, as built, also approved plans, and forging & reports are forwarded.

PARTICULARS OF ELECTRIC WELDING (if employed) *Skull butts (except flat plate hull) crosser stern, upper deck plating butts, second deck plating butts and stringer plating to skull, side oil fuel bunker bulkhead butts, gusset plates to tank top.*

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book.

*Crosser stern, ESD D.F.
Fitted for oil fuel 3.49 F.P. above 150°F.*

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	INCLUDING RINGS	A.E.G.	123	9.3.48 ✓
	2nd "	33.1.14 ✓	A.E.G.	149	19.3.48 ✓
	3rd "	27.2.7 ✓	J.H.J.	10.000	6.8.48. ✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop. — ft., R.Q.D. — ft., Bridge — ft., Forecastle. 32.0 ft.

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

Official No. 182113 Signal Letters ✓ Extreme Breadth over Belting 49.0 Over-all Length 363.67 ✓

No. and Material of Decks ONE & SHELTER DECK STEEL

Parts of Bottom of Vessel coated with cement or approved composition. *FP TANK & AP TANK CEMENT OVER BOTTOM, ELSEWHERE CEMENT WASHED. INSIDE SURFACES CEMENT WASHED. ALSO COFFERDAMS N° 4 DOUBLE BOTTOM TANK — CEMENT OVER BOTTOM, CEMENT WASHED ELSEWHERE.*

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft, <i>FRS 14-58</i>	102.67	222	Fore peak tank,	—	47 ✓
Double bottom, under Engines and Boilers, <i>58-74</i>	38.33	132	After peak tank,	—	76 ✓
Double bottom, if under Engines only,	—	—	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward, <i>FRS 74-182</i>	156.75	421	Other tanks, if fitted,	—	—
Total length (if continuous) and Capacity	296.75	775	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 3563

Date 30th DEC. 1947.

Dates of Surveys held while building

(1944) Dec. 1. 2. 4. 5. 9. 12. 15. 16. 17. 18. 22. 24. (1945) Jan. 6. 8. 9. 12. 13. 14. 15. 16. 23. 30. Feb. 2. 3. 4. 5. 6. 10. 11. 12. 13. 16. 18. 24. 26. Mar. 1. 2. 3. 4. 5. 9. 10. 11. 16. 17. 19. 23. 24. 26. 29. 30. Apr. 2. 5. 6. 4. 8. 9. 13. 14. 19. 21. 24. 28. 29. 30. May 4. 10. 12. 14. 17. 18. 20. 24. 28. 31. June 1. 3. 4. 9. 14. 15. 16. 17. 21. 22. 25. 28. 30. July 4. 9. 20. 22. 23. 26. 28. 29. 30. Aug. 3. 4. 6. 9. 10. 13. 18. 31. Sept. 2. 4. 10. 14. 17. 20. 22. 24. 28. 29. Oct. 7. 11. 12. 14. 19. 21. 25. 26. 27. 28. 29. Nov. 1. 3. 4. 6. 8. 9. 10. 11. 16. 18. 23. 24. 25. 26. 29. 30. Dec. 2. 3. 4. 5. 10. 12. 14. 15. 16. 17. 23. 29. (1949) Jan. 10. 14. 17. 18. 21. Feb. 4. 9. 10. 14. 16. 17. 18. 21. 22. 23. 24. Mar. 3. 8. 11. 15. 16. 21. 22. 23. 24. 25. 28.

Total No. of Visits 188