

STEEL STEAMER or MOTORSHIP.

Received at London Office

NOV - 8 1940

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**Date of completion of report **2ND NOVEMBER 1940** Port of **GREENOCK.**No. **21128.**Survey held at **PORT GLASGOW**Date First Survey **23RD OCTOBER 1939** Last Survey **31ST OCTOBER 1940.**On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) **SINGLE SCREW STEAMER "AIRCREST"**State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) **COMPLETE SUPERSTRUCTURE WITH TONNAGE OPENING.**State Type of Erections **FORECASTLE ON UPPER DECK**TONNAGE under Tonnage Deck... **4679.99**CLASS **100A.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 most on summer L.W.L. See Sec. 3 (1a) **L 425.0**Launched **JULY 23RD 1940.** Yard No. **936**

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 **CREST SHIPPING CO LTD**Register Tonnage **3076.40**1st Longitudinal Number (L x D) **= 15194**

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

2nd Numeral L x (B + D) **= 38994**Residence **LONDON.**

REGISTERED DIMENSIONS.

FEET.

Length **432.25**Breadth **56.2**Depth **24.9.**Framing Depth "d," at middle of length. See Sec. 3 (1d) **23.75**Proportions—Depth to Length—Uppermost continuous deck to top of keel **11.56**Port of Registry **LONDON**

If surveyed while building, afloat, or in dry dock

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 1/2 7/16 ✓	approved 6 x 3 1/2 x 42 BA in B.S. 7/16 see plan
" " from 3/4 length amidships to Collision bulkhead	27 ✓		" " Reversed Frame	BA 6 3 1/2 7/16 ✓	
" " in peaks	24 ✓		" " Vertical Struts	BA 9 3 1/2 7/16 ✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	48 x 49 ✓	approved 48 x 49 in B.S. 7/16
Frame Amidships, Angle, E or C	12 3 1/2 9/16 ✓		" " top Angles	4 4 9/16 ✓	
" " Extends up to	2 ND 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 1/4 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 1/2 .35 ✓		" " Vertical Angle to Tank side Bracket from forward 1/4 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 1/4 len. from stem	.42 CONTINUOUS ✓	
" " Third " " " "	✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	.42 CONTINUOUS ✓	
" " from 1/4 len. for'd. to 15% len. from Stem	12 x 3 1/2 x 50 BA. ✓ ON ALTERNATE FRAMES ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	6-3" x 44. ✓	
" " in Peaks, Angle or C	8 3 1/2 .35 ✓		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/8 @ 5 3/4 IN SIDE FRAMES ✓ 3/8 @ 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 ✓	+ .08 under half way in run of centre
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 1/2 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 1/2 .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 3 RD FRAME. ✓		Bridge Deck, Angle, E or C	✓	
" " Are Frame and Reversed Frame joggled?	YES. ✓		Spacing	8 3 .42 ✓	
Bracket Floors, breadth and thickness at middle line	2-8 1/4 x 42 ✓		Forecastle Deck, Angle, E or C	7 3 .36 ✓	
" " breadth and thickness at margin plate	2-8 1/4 x 42 ✓		Spacing	27 x 24. ✓	

PILLARS AND DECKS.

		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.			INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....		CENTRE LINE BULKHEAD WITH		Stringer Plate, breadth and thickness in way of Bridge		✓	
" in 'tween Decks, Size and Spacing.....		REINFORCED HATCH SIDE GIRDERS & HATCH END BEAMS		Thickness of Plating abreast Deck openings in way of Wells		36 - 32 ✓	
" " " " " "		EXTRA GIRDER UNDER UPPER DECK, EXTENDING FROM AFT OF ENGINE CASING TO FORWARD OF BOILER CASING FITTED AT OWNERS REQUEST.		Thickness of Plating abreast Deck openings in way of Bridge		✓	
" in Holds " " " "				Thickness of Plating within line of openings...		34 - 30 ✓	
" " " " " "				If Sheathed, material and thickness		NOT SHEATHED ✓	
Centre Line Bulkhead.				Third Deck.			
Stiffeners and Spacing.....		62" APART 12 x 3 1/2 x 4 5/8 ETC. AT ALTERNATE FRAMES. ✓		Stringer Plate, breadth and thickness.....		✓	
Plating, thickness of		30 ✓		If Plated, state thickness.....		✓	
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....		✓	
Stringer Plate, breadth and thickness in Wells.....		66 x 60 - 42 ✓		If Plated, state thickness		✓	
" " " " " in way of Bridge		✓		Poop Deck.			
" Angle in Wells		6 6 60 ✓		Stringer Plate, breadth and thickness		✓	
Thickness of Plating abreast Deck openings in way of Wells		55 - 44 ✓		Plating, Sheathing, material and thickness		✓	
Thickness of Plating abreast Deck openings in way of Bridge		✓		Bridge Deck.			
Thickness of Plating within line of openings...		40 - 36 ✓		Stringer Plate, breadth and thickness.....		✓	
If Sheathed, material and thickness		NOT SHEATHED ✓		Plating, Sheathing, material and thickness		✓	
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells.....		72 x 40 ✓		Stringer Plate, breadth and thickness.....		35 x 36 ✓	
				Plating, Sheathing, material and thickness		NOT SHEATHED ✓	

SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				EDGES.		BUTTS.		
	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.				State if jogged? NO				
	AMIDSHIPS.	FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.	NO. OF ROWS OF RIVETS.	RIVETS.	STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.		Diam.	Spacing or to cr.	Diam.	Spacing or 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 ✓	1 1/4 7/8 4 3/8 LAPPED
" DBLG. (if any)	3 STRAKES OF BOTTOM PLATING FROM LEN FOR TO COLLISION B ^{HD} = 66 THICK. ✓				DOUBLE ✓	7/8 ✓	3 3/4 ✓	TREBLE ✓	7/8 3 1/8 LAPPED
BOTTOM PLATING, No. of Strakes	FOUR ✓	60 ✓	50 ✓	50 ✓	" ✓	" ✓	" ✓	" ✓	" ✓
BILGE PLATING, No. of Strakes	ONE ✓	60 ✓	50 ✓	50 ✓	" ✓	" ✓	" ✓	" ✓	" ✓
SIDE PLATING, No. of Strakes	FOUR ✓	60 ✓	46 ✓	46 ✓	" ✓	" ✓	" ✓	" ✓	" ✓
UPPER DECK, Sheer-strake in Wells.....	56 ✓	69 ✓	46 ✓	46 ✓	" ✓	" ✓	" ✓	QUAD TREBLE ✓	3 1/2 3 1/8 " ✓
UPPER DECK, Sheer-strake in Bridge ...	✓				" ✓	" ✓	" ✓	QUAD TREBLE ✓	3 1/2 3 1/8 " ✓
STRAKE BELOW Sheer-strake in Wells.....	58 ✓	64 ✓	46 ✓	46 ✓	" ✓	" ✓	" ✓	QUAD TREBLE ✓	3 1/2 3 1/8 " ✓
STRAKE BELOW Sheer-strake in Bridge ...	✓				SIDE PLATING IN WAY OF PANTING AREA 58 IN LIEU OF SIDE STRINGERS. ✓				
POOP SIDE PLATING									
BRIDGE SIDE PLATING ...									
FORECASTLE SIDE PLATING		40 ✓			SINGLE ✓	7/8 ✓	3 1/2 ✓	SINGLE ✓	7/8 3 1/8 LAPPED

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.

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	FLAT PLATE KEEL ✓			
STEM	LOWER PORTION ROLLED 10 1/2" ✓			UPPER PORTION PLATES.
STERN FRAME { Propeller Post	CASTING 10 1/2 x 13 ✓			BEARDMORE LTD
{ Rudder	" STREAMLINED ✓			
Speed of Vessel	10 1/2 KNOTS. ✓			
RUDDER-Type	DOUBLE PLATE STREAM LINED.			
" A x D	616 ✓			5% S.E. PLAN
" Diam. of head	FORGING 11" ✓			
" Mainpiece at top pintle	CASTING 10 1/2 x 10 5/8 ✓			BEARDMORE LTD
" " heel ...	" 6 x 10 5/8 ✓			
" how constructed	COMPLETE CAST STEEL FRAME ✓			
" double or single plates	48 THICK ✓			
" coupling, vertical or horizontal	VERTICAL. ✓			

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks ✓					
" " Second " ✓					
" " Third " ✓					
" " Holds	34.26	12 x 3 1/2 x 50 BA.	30"		
COLLISION " (in Hold)	59.31	10 x 3 1/2 x 48 BA.	21"	2 SEMI-BOX BEAMS.	
AFTER PEAK " "	48.35	6 1/2 x 36 BA.	21"	2 SEMI-BOX BEAMS	

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH.
	COLVILLES, STEEL CO OF SCOTLAND, THE LANARKSHIRE STEEL CO.
	Has the Steel been tested as required by the Rules? YES

EQUIPMENT No 40053 ✓										LETTER at ✓		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.
39630	1st Bower ...	68	0	14	Stockless.			52	15	2	14	68 ✓	BYERS IMPROVED	PER W.L. BYERS & CO	SUNDERLAND 1/4/40 NORMAN.
39558	2nd „ ...	68	0	0	---			52	12	2	0	68 ✓	"	"	6/3/40 NORMAN
	3rd „ ...	OMITTED										58 1/2 ✓			
	Collective weight.											194 1/2 ✓			
53302	Stream	19	0	24	4	3	22	20	1	3	14	19 ✓	ORDYFGD WRT IRON.	NOT STATED	CRADLEY HEATH 3/8/40 PAUL.

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.	
	Length.	Diam.	Stations.	Break- ing.	Supplied.	Per Rule.		Length.	Diam.					Length.	Ins.		Length.	Ins.
112,478	225 1/2	2 5/16	96 1/4	134 3/4	605.0	17	72.0 3/4	270	2 5/16	STUR LINK	NOT STATED	NETHERTON 3/4/40 RELF	TOWLINE	120	4 3/4	64.6	120	4 3/4
													HAWSERS & WARPS	2@90	2 3/4	15.2	2@90	2 3/4
														2@90	2 1/2	13.2	2@90	2 1/2
Stream Steel Wire	90	5			52.8			90	5									

Steering Gear, Type (Power ~~or hand~~) STEAM By HASTIE, (WILSON-PIRRIE TYPE) Alternative Means of Steering BLOCKS TACKLE LED TO AFTER WINCH

Steering Chains (Size and Test) NONE. STEERING GEAR AFT Windlass STEAM By CLARKE CHAPMAN Boats 2-26' LIFEBOATS

Ceiling in Holds, thickness and material 2 1/2" W.P. OVER BILGES ONLY Cargo Battens, thickness, material and spacing No CARGO BATTENS FITTED.

Cargo Hatchways. (Upper Deck) COAMING 30" HIGH, FITTED FOR NELSON WEBS Thickness of Hatches 2 1/2" SOLID WOOD.

Size of Hatchways No. 1 (Fwd.) 31'6" x 20' No. 2 31' x 20' No. 3 12'11" x 20' No. 4 31' x 20' No. 5 31' x 20' No. 6

Number of Shifting Beams Nos. 1, 2, 4 & 5 = 5 WEBS. No 3 = 2 WEBS IN EACH HATCH.

Builder's Signature For LITHGOWS LIMITED

Signature

GENERAL 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 No

(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 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 hose 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 were tried under working conditions & found satisfactory.

Classification certificates are requested in duplicate.

Emergency equipment has been supplied to this vessel.

The amount of Entry Fee £ 9 : 0 : 0

Fees applied for,

(Special notations, where part of class, to be stated.)

Special Survey Fee £ 330 : 18 : 6

2nd Nov 1940

FREEBOARD 16 : 0 : 0

Received by me,

I am of opinion the Vessel should be Classed 100 A.I.

Travelling Expenses, if any £

9.11. 1940

WITH FREEBOARD

State whether the Vessel has been built under Special Survey YES.

Signature Kenneth Inglis

IN DUPLICATE Certificate to be sent to GREENOCK OFFICE Date of issue 29/11/40

Committee's Minute GLASGOW 5 NOV 1940

Character assigned 1-100 A.I.

with freeboard } subject (eqpt)

Lloyds Assoc

10.40

FRI 22 NOV 1940

As now with spec

© 2020

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 approved plans, casting & forging reports & plan of vessel as built are being forwarded as per attached list.

List not received
No 11 plan missing

PARTICULARS OF ELECTRIC WELDING (if employed) Corner bars at Bulkheads & Tank ends; Heads & hells of solid pillars; Tank top connections to centre line bulkhead; Cruiser stern & bow 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 & C.P. E.S.D.: NO SPARRING IN HOLDS & TWEEN DECKS.

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

1st Bower 43.3.0 : J.D. : 2601 : 30-1-40.
2nd „ 43.1.21 : J.D. : 2507 : 27-12-39.
3rd „

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 39.4 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 168,030 Signal Letters Extreme Breadth over Belting (Circ. 1611) Over-all Length 447.6 (Circ. 1703)

No. and Material of Decks 10 KN 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 Capacity. 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 DEC. 1939.

Dates of Surveys held while building

(1939) OCT. 23. NOV. 9. (1940) JAN. 9. 11. 13. FEB. 5. 8. 9. 12. 15. 22. 23. 26. 28. MAR. 13. 15. 19. 26. APR. 1. 3. 4. 9. 18. 29. MAY 3. 6. 10. 13. 15. 17. 22. 23. 24. 28. 31. JUNE 6. 10. 13. 14. 19. 21. 24. 25. 29. 28. JULY 9. 18. 19. 22. 23. AUG. 2. 13. 20. SEPT. 4. 5. 10. 19. 26. 30. OCT. 4. 11. 15. 17. 21. 22. 24. 25. 26. 28. 31.

Total No. of Visits 41