

Received at London Office

State if Report is sent on the Machinery of the Vessel.....Yes

No. 1005

No 3125

On the (State if Machinery fitted A/B and if Single, Twin or Triple Screw) STEEL TWIN SCREW MOTORSHIP ACCRA

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) INTERMEDIATE BETWEEN F.S. & C.S.S. (NO TONNAGE OPENINGS) State Type of Erections FILE ON UPPER DRAWING

CLASS 100 A.1

State if with freeboard } Yes

Built at BARROW

Do. of space or spaces
between Tonnage Dk.
and Upper Dk. } 2164.43

Length from fore part of stem to after part of stern } 445 ✓
post on summer L.W.L. See Sec. 3 (1a)

Launched 24th FEB. 1947 Yard No. 948

7469.05

Breadth (greatest moulded) B 66 ✓
 Depth, at middle of length from top of keel to top
 of beam at side of uppermost continuous
 deck. See Sec. 3 (1c) } D 36.5 ✓

Builders VICKERS - ARMSTRONG LTD


Owners ELDER DEMPSTER LINES LTD.

Register Tonnage 6448.37

1st Longitudinal Number ($L \times D$) = } LIMITED
2nd Numeral $L \times (B + D)$ = } DRAUGHT
CASE ✓

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

REGISTERED DIMENSIONS.

Framing Depth "d," at middle of length. See } 

Residence

452.9

Proportions—Depth to Length—Uppermost continuous deck to top of keel..... } 12.19 48.0

Port of Registry... LIVERPOOL

66.2

Do. Long Bridge to } 9.94 Br.
ton of keel }

If surveyed while building, afloat, or in dry dock

31.85

Draught Moulded 25'-4 1/4"

WHILE BUILDING, AFLOAT & IN DRY DOCK

FRAMES, DOUBLE BOTTOM AND BEAMS.

(MADE IN ENGLAND.)

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	TWO	✓		Stringer Plate, breadth and thickness in way of Bridge	✓
" in 'tween Decks, Size and Spacing	CIRCULAR			Thickness of Plating abreast Deck openings in way of Wells	✓
" " " " " "	WIDELY SPACED			Thickness of Plating abreast Deck openings in way of Bridge	✓
" " " " " "			AS PER APPROVED PLANS	Thickness of Plating within line of openings	✓
" in Holds	D°	✓		3" MAH. AFT ABREAST SHELL OF	✓
" " " " " "				If Sheathed, material and thickness	✓
Centre Line Bulkhead.				SECOND Deck. "E"	✓
Stiffeners and Spacing		✓		Stringer Plate, breadth and thickness	✓
Plating, thickness of		✓		If Plated, state thickness	✓
STRINGERS AND DECKS.	COMBINED POOP, BRIDGE	✓		THIRD Deck. "F"	✓
Uppermost Continuous Deck	UPPER C DECK	✓		Stringer Plate, breadth and thickness	✓
Stringer Plate, breadth and thickness in Wells	65 x 46 - 36	✓	APP. 64"	If Plated, state thickness	✓
LOCAL INC. IN WAY OF ENG. CASING	SHEATHED.	✓		POOP Deck.	✓
" " " " " "	in way of Bridge	✓		Stringer Plate, breadth and thickness	✓
" Angle in Wells	5' x 5' x 50	✓		Plating, Sheathing, material and thickness	✓
" To	3 1/2 x 3 1/2 x 36	✓		Bridge Deck.	✓
Thickness of Plating abreast Deck openings in way of Wells	46 - 36 UNSH	✓		Stringer Plate, breadth and thickness	✓
LOCAL INC. IN WAY OF ENG. CASING	42 - 32 SH	✓		Plating, Sheathing, material and thickness	✓
Thickness of Plating abreast Deck openings in way of Bridge		✓		Forecastle Deck.	✓
Thickness of Plating within line of openings	42 - 36 UNSH	✓		Stringer Plate, breadth and thickness	✓
If Sheathed, material and thickness	2 1/2" MAHOGANY WHERE EXPOSED.	✓		Plating, Sheathing, material and thickness	✓
UPPER Deck. "D"	✓				
Stringer Plate, breadth and thickness in Wells	67 1/2 x 45 - 36	✓	APP. 50 1/2"		
	UNSH.	✓			

SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				EDGES.		BUTTS.		
	AMIDSHIPS.		FORWARD.	AFT.	State if jagged?	No.	No. of Rows of Rivets.	RIVETS.	
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.
Flat Plate Keel	53 1/2	81	71	71	DOUBLE	✓		6 PIS PER FR. SP.	
" Dblg. (if any)	12	1	1	1	WELDED.	✓			
Bottom Plating, No. of Strakes		59	51	51	DOUBLE	7/8			
Bilge Plating, No. of Strakes		59	51	51	D°	7/8			
Side Plating, No. of Strakes		60	48	48	D°	7/8			
Upper Deck, Sheer-strake in Wells	69	58	48	48	D°	7/8			
Upper Deck, Sheer-strake in Bridge									
Strake below Sheer-strake in Wells	74	58	48	48	DOUBLE	7/8			
Strake below Sheer-strake in Bridge									
Poop Side Plating				44	DOUBLE	7/8		6 PIS PER FR. SP.	excl frame
Bridge Side Plating	67 1/8	58			DOUBLE	7/8		7 PIS PER FR. SP.	excl frame
Forecastle Side Plating				44	DOUBLE	7/8		6 PIS PER FR. SP.	excl frame

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel	EIGHT	834 for record
Extending to Upper Deck (Sec. 3 c)	SEVEN	
" Deck next below	ONE (AFTER PEAK)	
As per Rule	7	

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓			
STEM	OF MILD STEEL PLTS AS APP.			✓
SHAFT BRACKETS	CAST AS DARLINGTON			✓
STERN FRAME	STEEL APP. FORGE LTR			✓
Rudder Post	D° D° D°			✓
Speed of Vessel	SEA 16 KNOTS, TRIAL 17 KNOTS			✓
RUDDER—Type	UNDERHUNG BALANCED (ONE PINTLE)			✓
" A x D	AREA 191 SQ. FT.			✓
" Diam. of head	FORGED STEEL 13 3/4" DARLINGTON			✓
" Mainpiece at top pintle	CAST AS APP.			✓
" heel	" " " "			✓
" how constructed	FABRICATED WELDED PLATE WITH FORGED STEEL STOCK COUPLED TO MAINPIECE OF CAST STEEL.			✓
" double or single plate coupling, vertical or horizontal	DOUBLE .50" 8.60"			✓

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	26	3 x 2 1/2 x 30	✓	24"	✓
" " Second	28	8 x 4 x 42	27 1/2	3" DK (F) AND	✓
" " Third	42	ANG. T.W.	30	FLAT.	✓
" " Holds B ^{HD} 111	33			8 x 4 x 32	24"
COLLISION (in Hold) B ^{HD} 189	49			8 PLS. STR.	6'-0"
AFTER PEAK B ^{HD} 11	41	5 x 3 x 34	✓	TUNNEL RECESS TOP	✓
		ANG. T.W.			

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	OPEN HEARTH PROCESS.
	GUEST KEEN & BALDWIN LTD, COLVILLES LTD, SKINNINGROVE IRON CO LTD, DORMAN LONG & CO LTD, CARGO FLEET LTD, LANARKSHIRE STEEL CO LTD, STEEL COY OF SCOTLAND LTD	
	Has the Steel been tested as required by the Rules?	YES.

EQUIPMENT No. 51347 ✓

LETTER 21 ✓

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.				
29869	1st Bower	85	3	0	Stockless			61	10	0	0	85½ ✓	BYERS IMPROVED	NOT STATED	LOW WALKER, 19/12/46 ✓ R.T. VOGAN
29870	2nd "	85	2	21	D°			61	10	0	0	85½ ✓	D°	D°	D°
29866	3rd "	73	2	14	D°			55	15	0	0	73½ ✓	D°	D°	LOW WALKER, 18/12/46 ✓ R.T. VOGAN
	Collective weight	245	0	7								244½ ✓			
63631	Stream	25	1	16	6	2	0	25	1	2	7	25 ✓	ORDINARY FORGED WROUGHT IRON	NOT STATED	CRADLEY HEATH, 30/1/47 ✓ W.V. NORMAN

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.		Supplied.	Per Rule.	Cwts.						Fathoms.	Ins.		Fathoms.	Ins.
6814	300	2¼	127.6	178.5	810-2-7	-	300	2¼	TAYCO STUD LINK	NETHERTON, 28/11/46 ✓ J.A. RELF.	TOWLINE	130	5½ (24)	84.4	130	5½ (24)
6979	3-ADAPTOR PIECES FOR 2¼ CABLE		127.6	178.5	5-3-12	-			D°	NETHERTON, 25/3/47 ✓ J.A. RELF.	HAWSERS & WARPS	100	3½ (12)	25.7		
6815	5-ADAPTOR PIECES FOR 2¼ CABLE		127.6	178.5	8-3-8	-			D°	NETHERTON, 28/11/46 ✓ J.A. RELF.		300	3½ (12)	18.6	400	2¼ (12)
	20	4¼	64.6				120	4¼	SPEC. BRITISH FLEX SWR. ROPES LTD							

JOHN HASTIE & CO. LTD. GREENOCK

TELE MOTOR AND LOCAL

Type (Power or hand) ELEC. HYDRAULIC, 4 RAMS 2 MOTORS ✓

Alternative Means of Steering HAND CONTROL

ains (Size and Test)

Windlass STOTHERT & PITT LTD

Boats { 4 at 31-0" BIRMABRIGHT
2 at 26-0" WOOD
1 at 28-0" STEEL
1 at 28-0" STEEL (MOTOR)

Holds, thickness and material 3" SPRUCE IN WAY OF HATCHES ✓

Cargo Battens, thickness, material and spacing 6" x 2" SPRUCE 9" APART. ✓

PER, N° 1.2 BRIDGE, N° 3.4 BOAT, N° 5.6 PROM. DK ✓

hways. (Upper Deck) FRAMED STEEL CORNING, N° 5 FLUSH.

Thickness of Hatches 3", EXCEPT N° 5 STEEL COVER. ✓

Always No. 1 (Fwd.) 18' x 16' ✓ No. 2 29'-3" x 16' ✓ No. 3 11' x 16' ✓ No. 4 9' x 10' ✓ No. 5 18' x 16' ✓ No. 6 15'-9" x 16' ✓

Shifting Beams } N° 1 UP. BR AND N° 6 H = 3, N° 2 H = 5, N° 3 H = 2, N° 4 = 1, N° 5 = STEEL HINGED COVER. ✓
no and After }

Builder's Signature FOR VICKERS-ARMSTRONGS LIMITED.

SHIPBUILDING MANAGER,
BARROW WORKS.

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 MOTORSHIP ✓
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
indicated, together with the flash point (where required to be inserted in the Notation).

up has been built in conformity with the Society's Rules and Regulations and the
s letters. The scantlings and arrangements are in accordance with, or equivalent to,
own on the approved plans. The materials and workmanship are good and to my
tion. The fore and aft peak tanks, F.W. Deep tanks, oil fuel bunkers, double bottom
nd cofferdams, decks and waterways, watertight bulkheads, watertight doors, hand pumps
s and steering gear have all been tested in accordance with Rule requirements and
and satisfactory. The vessel is fitted for the carrying of oil fuel F.P. above 150°F, the following
apartments being to Rule requirements for that purpose Oil Fuel Bunkers at sides of Engine Room, double
tom tanks in Engine Room and N° 3 Hold. N° 4 Lower Hold is insulated for the carriage of
rigerated cargoes. The beams of F Deck (lower) in this compartment are increased for one
ir of hanging cargo.

Freeboard, as assigned, has been cut in on the vessels sides and verified. ✓

Amount of Entry Fee..... £ - - -	Fees applied for, 19
Special Survey Fee..... £568	
FREEBOARD 20	Received by me, 19
Travelling Expenses, if any £ 1 : 15 : 0	

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

I am of opinion the Vessel should be Classed 100 A.1.
WITH FREEBOARD

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

Signature H.P. Howie.
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Barrow

Date of issue 21/1/47

Committee's Minute

Character assigned

9.47 Liv.

Lloyds A+C.P.

+ LMC 9.47 Oil Eng. Subject
C.L.

2 D.B. 12016.

White Bros. Spl. (M)

ucky cert to be enclosed in criticals.

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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 undermentioned approved plans are forwarded herewith together with the Forging Reports:—

Midship Section	Pillars & Guides
Midship Section (as fitted)	Pillars & Guides (as fitted)
Framing Profile	Key Plan of Pillars & Guides
Framing Profile (as fitted)	Hatch Coamings & Webs lower Dk
Scantlings of Decks	Engine Casings
Scantlings of Decks (as fitted)	non W.T. B ^{nos} lower Dk & Hold Plat.
Oil Fuel Side Bunkers & B ^{nos} III & 129	Topside Scantlings
Oil Fuel Side Bunkers & B ^{nos} III & 129 (as fitted)	Modifications to Curtain Plates etc
F.P. Bulk ^d & Bulkheads 162 & 186	Shell Doors to Oil Fuel Filling Stations
Equipment	Cargo Doors & Side Screens
F.W. Tank Bulk ^{ds} etc	Plan of Sidelights
F.W. Tank Bulk ^{ds} etc (as fitted)	N ^o 1, 2 & 3 Trunked Hatches
W.T. Plat aft & Tunnel Sides	N ^o 6 Trunked Hatch
W.T. Plat aft & Tunnel Sides (as fitted)	Diesel Generator Seats
Pillars & Guides in way of N ^o 2 Hold	Service Platform in Engine Rm
Shaft Brackets	N ^o 5 Trunked Hatch
Stem Contour Plating	N ^o 4 Trunked Hatch
Main Engine Seats	Forging and Casting Reports (6)
Rudder	Modifications to Curtain Plates and Ship Side Supports
Stern Frame	
Boss Framing	
Cruiser Stern & Cant Frames	

PARTICULARS OF ELECTRIC WELDING (if employed) WELDED DIRECT TO SHELL. CENTRE GIRDER: BUTTS AND SEATS: BUTTS AND WELDED DIRECT TO SHELL AND INNER BOTTOM. FLOORS AND TANK SIDE BRACKETS IN ENG. ROOM: WELDED TO MARGIN PLATE. INNER BOTTOM AND DECK: WELDED SEAMS AND BUTTS. MARGIN PLATE: WELDED TO SHELL AND INNER BOTTOM. GUSSETS: WELDED TO MARGIN PLATE. SHELL PLATING: WELDED BUTTS. BOSS PLATING: WELDED SEAMS AND BUTTS. BILGE KEEL: FLAT BAR ATTACHMENT WELDED TO SHELL. DECK STRINGER PLATES: BELOW BRIDGE DECK WELDED DIRECT TO SHELL. CEMENT CHOCK FLAT BARS: WELDED. DECK GIRDS: ATTACHMENTS TO DECK PLATING AND BULKHEADS. SHAFT TUNNELS, O.F. BUNKERS AND W.T. BULKHEADS: WELDED CONSTRUCTION. AUXILIARY SEATS AND SHAFT STOODS: WELDED CONSTRUCTION. PART FORE END AND CRUISER STERN: WELDED CONSTRUCTION. MINOR BULKHEADS AND ENGINE CASINGS ETC: WELDED CONSTRUCTION. MINOR DETAILS.

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

CRUISER STERN; OIL ENGINE; DIRECTION FINDER; ECHO SOUNDING DEVICE; RADAR (METRO-VICKERS M.N. EQUIPMENT TYPE M.R.1); GYRO COMPASS; PART WELDED.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower 54 - 3 - 0; J.H.J; 7950; 31-7-46.
	2nd " 53 - 3 - 21; J.H.J; 7951; 31-7-46.
	3rd " 46 - 1 - 0; J.H.J; 7811; 5-6-46.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 24 $\frac{7}{10}$ ft., R.Q.D. ft., Bridge 319 $\frac{5}{10}$ ft., Forecastle 29 $\frac{5}{10}$ ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. 181100 Signal Letters Extreme Breadth over Belting 66'-10 $\frac{3}{8}$ " Over-all Length 471' (Circ. 1611) (AT SHELL DOORS) (Circ. 1703)
No. and Material of Decks 2 DKS (STL) WEATHER DK PART SH, 3RD DK (STL) IN HOLDS.
Parts of Bottom of Vessel coated with cement or approved composition Skales of plating inside double bottom tanks except oil fuel tanks levelled flush with cement and tanks two coats cement wash. Peaks cemented and cement washed.
All deep tanks except oil fuel tanks two coats cement wash.
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.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,			Fore peak tank,	23.5	77.7
Double bottom, under Engines and Boilers,			After peak tank,	20.0	102.6
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, O.F. BUNKERS IN E.R.	27.0	508.4
Double bottom, forward,			Other tanks, if fitted, F.W. TANKS & TUNNEL.	94.5	569.3
Total length (if continuous) and Capacity	391.5	1686.6	(If necessary furnish further information by sketch.)		

Order for Special Survey No.

Date 24th MAY 1945

Dates of Surveys held while building

1945
Sept. 28, Oct. 17, 18, 26, 29, Nov. 13, 22, 28, Dec. 3, 5, 7, 18, 19, 21, 27, Jan. 3, 8, 11, 17, 24, 29, 30, Feb. 5, 6, 7, 8, 15, 20, 27, 28, Mar. 20, 21, Apr. 1, 4, 9, 10, 11, 12, 17, 18, 24, 25, 26, May 1, 2, 3, 6, 7, 9, 10, 13, 20, 22, 23, June 4, 7, 13, 14, 15, 25, July 9, 12, 16, 17, 18, 22, Aug. 7, 9, 13
1946
19. Sept. 2, 6, 10, 13, 19, 25, Oct. 2, 4, 9, 10, 11, 14, 15, 23, 24, 28, 29, 31, Nov. 7, 8, 11, 12, 13, 14, 15, 18, 19, 20, 21, 22, 26, 27, 28, 29, Dec. 2, 3, 4, 6, 8, 10, 16, 17
1947
19. 20, 23, 24, Jan. 23, 8, 10, 13, 14, 15, 16, 17, 20, 22, 23, 24, 27, 28, 30, 31, Feb. 3, 4, 5, 6, 7, 10, 11, 12, 14, 18, 20, 21, 24, 26, 28, Mar. 4, 5, 6, 10, 11, 12, 19, 21, 25, 27, 31, Apr. 6, 10, 14, 15, 17, 23, 24, 25, 28, May 5, 9, 14, 20, 27, 30, June 6, 9, 10, 12, 13, 27, 30, July 3, 16, 17, 21, 24, Aug. 6, 7, 8, 11, 12, 13, 14, 15, 18, 19, 20, 22, 25, 26, 27, 28, 29, Sept. 1, 2, 3, 4, 5, 8, 9, 10, 13, 22
Total No. of Visits 221