



DISCLOSED

SECTION

No. 874

## STEEL STEAMER MOTORSHIP.

13 JUL 1955

\*Received at London Office.

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

Yes.

PLEASE SEE SLD. RPT. C.11. NO. 3645

DISCLOSED

State if Report is sent on the Machinery of the Vessel

Yes.

NOW.

Date of completion of report

23/6/55

Port of

Sunderland

No. 36452

No. 874

Survey held at

Sunderland

Date First Survey

20TH JULY 1954

Last Survey

16TH JUNE

1955

On the

(State if Machinery fitted A1 and if Single, Twin or Triple Screw)

Single screw

"AYIA MARKELLA"

State Type

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

Complete Superstructure with Tonnage Opening closed. Scantlings suitable for a draft of 26'-4 1/2"

State Type of Erections

Fide on C.S.S.

TONNAGE under Tonnage Deck

1111.55

CLASS

100 A1

State if with freeboard as condition of Class

✓

Built at

Sunderland

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

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

L 446.42

Launched

11th Dec 1954

Yard No.

348

Total

Breadth (greatest moulded)

B 61.19

Builders

Bartram &amp; Sons Ltd

Gross Tonnage

8451.00

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

D 40.17

Owners

(C.M.L.) Maritime Co. Ltd.

Register Tonnage

4951.64

1st Longitudinal Number (L x D)

✓

Managers

See MB

(Where necessary to be entered in Reg. Book)

2nd Numeral L x (B + D)

✓

Residence

REGISTERED DIMENSIONS.

FEET

Length

459.0

Breadth

62.0

Depth

31.5

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

26.42

Proportions—Depth to Length—Uppermost continuous deck to top of keel

11.09

Do. Long Bridge to top of keel

✓

Draught Moulded

26'-4 1/4"

Port of Registry

Chios.

If surveyed while building, afloat, &amp; in dry dock

Yes.

(Docking date 5.55)

## 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.....	30	✓	Bracket Floors, Frame .....	✓	
" " from 1/2 length amidships to Collision bulkhead.....	21	✓	" " Reversed Frame.....	✓	
" " in peaks .....	24	✓	" " Vertical Struts .....	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	46 3/4 .53	✓
Frame Amidships, Angle, [ or ]	13 1/2 4 .65 (46 Deep Tank)	✓	" " top Angles .....	welded	✓
" " Extends up to.....	2nd Dk	✓	" " bottom Angles.....	welded.	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness.....	One .38	✓
" " Extends up to .....	✓		Margin Plate depth (excl. of flange) and thickness .....	.52	✓
Depth of Framing Girder.....	13 1/2	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem .....	welded	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]	8 3 1/2 .36	✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area .....	welded.	✓
" " Second 'tween Decks, Angle, [ or ]	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	✓	
" " Third " " " "	✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area .....	✓	
" " from 1/2 len. for'd. to 15% len. from Stem .....	13 1/2 4 .65 2.76	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	81 .49	✓
" " in Peaks, Angle or [	9 3 1/2 .39	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....	7/8 side 5 3/4 5 3/8	✓	Breadth and thickness of Middle Line Strake...	✓	
State if Frame Joggled.....	46	✓ ends	Thickness of remainder in Holds .....	.43 1/2 .40	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved? .....	46	✓	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? .....	46	✓	BEAMS. Longitudinal		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]	See separate sheet.	✓
Floors, Depth and thickness at mid-line in Holds.....	✓		" " in way of Bridge, Angle, [ or ]	✓	
Height of Brackets at side above base line at toe of frame.....	✓		Spacing .....	✓	
Middle Line Keelson, on Floors, Angles, [ or ]	✓		Second Deck, amidships, Angle, [ or ]	See separate sheet.	✓
" " Through Plate or Inter-costal Plate .....	✓		Spacing .....	✓	
" " Foundation Plate on Floors .....	✓		Third Deck, amidships, Angle, [ or ]	✓	
" " Flat Plate Keel Angles	✓		Spacing .....	✓	
Side Keelsons, No. each side.....	✓		Fourth Deck, amidships, Angle, [ or ]	✓	
" " thickness of Inter-costal Plate...	✓		Spacing .....	✓	
" " Angles	✓		Poop Deck, Angle, [ or ]	✓	
DOUBLE BOTTOM. (Longitudinal framing)			Spacing .....	✓	
Solid Floors, thickness and spacing	46 90"	✓	Bridge Deck, Angle, [ or ]	✓	
" " Are Frame and Reversed Frame joggled? .....	✓		Spacing .....	✓	
Bracket Floors, breadth and thickness at middle line .....	22 .42	✓	Forecastle Deck, Angle, [ or ]	✓	
" " breadth and thickness at margin plate.....	29 .42	✓	Spacing .....	21 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.
<b>PILLARS, No. of Rows</b> .....	One		✓	Stringer Plate, breadth and thickness in way of Bridge .....	40		✓
" in 'tween Decks, Size and Spacing .....	2 1/2" 1 1/2" dia 7' 6" x all. double IC at hatch ends as approved		✓	Thickness of Plating abreast Deck openings in way of Wells .....	40		✓
" " " " " .....			✓	Thickness of Plating abreast Deck openings in way of Bridge casings .....	40		✓
" in Holds " " " " .....	✓		✓	Thickness of Plating within line of openings...	30 (40 deep bunk)		✓
" " " " " .....	5" x 9" + 4" 40 1A		✓	If Sheathed, material and thickness.....	✓		✓
<b>Centre Line Bulkhead. Stiffeners and Spacing</b> .....	as approved		✓	<b>Third Deck.</b>			
Plating, thickness of .....	60 5 30 60 1 1/2 30		✓	Stringer Plate, breadth and thickness.....	✓		✓
<b>STRINGERS AND DECKS.</b>				If Plated, state thickness .....	✓		✓
<b>Uppermost Continuous Deck.</b>				<b>Fourth Deck.</b>			
Stringer Plate, breadth and thickness in Wells	65 1/2 (79) 81		✓	Stringer Plate, breadth and thickness.....	✓		✓
" " " " in way of Bridge	✓		✓	If Plated, state thickness.....	✓		✓
" Angle in Wells .....	6 6 75		✓	<b>Poop Deck.</b>			
Thickness of Plating abreast Deck openings in way of Wells .....	(79) 78		✓	Stringer Plate, breadth and thickness.....	✓		✓
Thickness of Plating abreast Deck openings in way of Bridge casings .....	(79) 78		✓	Plating, Sheathing, material and thickness ...	✓		✓
Thickness of Plating within line of openings...	37		✓	<b>Bridge Deck.</b>			
If Sheathed, material and thickness.....	✓		✓	Stringer Plate, breadth and thickness.....	✓		✓
<b>Second Deck.</b>				Plating, Sheathing, material and thickness ...	✓		✓
Stringer Plate, breadth and thickness in Wells	74 1/2 40		✓	<b>Forecastle Deck.</b>			
				Stringer Plate, breadth and thickness.....	✓ 32		✓
				Plating, Sheathing, material and thickness...	32		✓

# SHELL PLATING.

SCANTLINGS.				RIVETING.										
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	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.....	53 1/2	.86	.86	.86	See letter dated 11/5/57		welded				welded.			
„ Dblg. (if any)														
Bottom Plating, No. of Strakes ..... 4		.64	.75 .61 .59	2-.47 1-.51 1-.48				welded.				welded.		
Bilge Plating, No. of Strakes ..... 1		.66	.66	.66				welded				welded.		
Side Plating, No. of Strakes ..... 5		.64	.59 4-.47	.57 47				welded				welded.		
Upper Deck, Sheer-strake in Wells.....	52 1/4	.78	.47 .64	.47				welded				welded.		
Upper Deck, Sheer-strake in Bridge ...	✓													
Strake below Sheer-strake in Wells.....	✓													
Strake below Sheer-strake in Bridge ...	✓													
Poop Side Plating.....	✓													
Bridge Side Plating.....	✓													
Forecastle Side Plating	✓	✓	.42	✓			welded				welded.			

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— 1.  
Extending to Upper Deck (Sec. 3 c) 5  
,, Deck next below 2  
As per Rule 1

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar		Flat plate	✓	
STEM		Plate stem with 2 1/2 dia solid round		
STERN	✓	C. S. as approved.	Walsingham	
FRAME		Rudder ✓, "	Steel Co	
Speed of Vessel		13.25 knots	✓	
RUDDER—Type	✓	Simple	✓	Walsingham
" A × D.		252		Steel Co Ltd.
" Diam. of head	✓	F. S. 8 3/4	✓	
" Mainpiece at top pintle		11 1/8 dia	✓	
" " heel	✓	10 3/4 dia.	✓	
" how constructed		Stl plate & wals welded	✓	
" double or single plate		double	✓	
" coupling, vertical or		Vertical		Horizontal
" horizontal				

## STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). *Open Hearth.*  
*Appley Frodingham, South Durham, Consett. German Long, Skinningrove, Colvilles.*

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







EQUIPMENT No. 46321-96

LETTER d+

ANCHORS.

Number of Certificate.	Anchor.	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.							
6159	1st Bower	14	2	-	-	-	-	5.7	17	2	-	81 1/4	} Burgers Type C.S. Head	S. Taylor & Sons (Brierley Hill) Ltd.	Netherton	29	11	54	H.M.
6160	2nd "	14	1	14	-	-	-	5.7	17	2	-	81 1/4			"	29	11	54	H.M.
6161	3rd "	14	1	-	-	-	-	5.7	17	2	-	69 1/2			"	29	11	54	H.M.
Collective weight		235	-	14								232							
Stream																			

## 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.	Ins.	Statutory.	Break-ing.	Supplied.	Per Rule.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
26474	300 1/2	2 1/16	120.6	164.7	157-3-10			300	2 1/16	Steel Link	Samuel Taylor	Netherton 29	11	54	HM		120	5 1/2
26479	for 2 1/16 cable		120.6	164.7	2-1-24			3-2 link adaptor			a Sons	Netherton 26	11	54	HM		4-110	3 1/4
26480	for 2 1/16 cable		120.6	164.7	1-0-16			1-3 link adaptor			(Brierley Hill)	Netherton 29	11	54	HM		4-110	3 1/4
26481	for 2 1/16 cable		120.6	164.7	1-1-4			1 shackle.			Ltd.	Netherton 29	11	54	HM			
26482	for 2 1/16 cable		120.6	164.7														
26483	for 2 1/16 cable		120.6	164.7														
Iron Stream Chain or Steel Wire		✓								✓								

Steering Gear, Type (Power or hand)

Hankin &amp; Co

Alternative Means of Steering

Ampt block &amp; tackle.

Steering Chains (Size and Test)

Telemotor.

Windlass

Emerson Walker

Boats 2-27'-0"

Ceiling in Holds, thickness and material

2 1/2" WP under hatches

Cargo Battens, thickness, material and spacing

6+2 WP, 9"

Cargo Hatchways.—(Upper Deck)

Steel plates &amp; bulk angles.

Thickness of Hatches

2 1/4" to 2 3/4"

Hatchways No. 1 (Fwd.)

33'-9" + 24'

No. 2

35' + 24'

No. 3

35' + 24'

No. 4

35' + 24'

No. 5

35' + 24'

No. 6

12' + 16'

Number of Shifting Beams  
for Fore and Afters

No 1, 2, 3, 4, 5, each five.

No 6 - one

Builder's Signature

FOR AND ON BEHALF OF

BARTRAM and SONS LTD.

CECIL MCFETRICH  
DIRECTOR

**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  
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. ☒ 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).

A ship has been built under Special Survey in conformity with the Society's Rules & Regulations & Surveyor's letter. The scantlings & arrangements of the ship are as given in the report & as shown appended on the approved plans now forwarded. All modifications or additions to the original approved arrangements made during construction have been indicated on the plans & have been shown as being in accordance with or by standards equivalent to the Rule requirements. Plans of underbody section & profile & decks showing the ship as built now forwarded with have been checked with the approved arrangements & found in order. The materials & workmanship are good. The foreholds as assigned have been marked on the vessel's sides verified & cut in. Double bottom tanks & cofferdam, peak tanks, & deep tank have been tested as required by the Rules & found satisfactory. The bulkheads, tunnel & weather decks have been satisfactorily holed. The windlass, steering gear & hand pumps have been tried under working conditions.

The amount of Entry Fee..... £ 48 : 0 : 0  
Load Line Assignment 48 : 0 : 0  
Special Survey Fee..... £ 993 : 0 : 0  
Safety Equipment Cert. 29 : 0 : 0  
Travelling Expenses, if any ..... £ : : :  
Fees applied for,  
12 JUL 1955  
Received by me, 19

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

I am of opinion the Vessel should be Classed + 100 A1.

State whether the Vessel has been built under Special Survey

Yes.

Signature

Jas Rennie  
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to

SUNDERLAND

Date of issue

14/9/55

Committee's Minute

TUESDAY 30 AUG 1955

Character assigned

+100 A1

5.55 Sld.

Lloyds A &amp; CR

+LMC 6.55

2 DB 150 lb.

CL.

SRL.



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Lloyd's Register  
Foundation

00283



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.)

Certificates for fittings & casings enclosed.

List of Plans:— Mainship Section, Profile & Decks, WT Bulkheads & Deep Tank, Fore End Framing, After End Framing, Shell Expansion, Pumping Angl. OF Tanks on Motor Rm Flat, Tank Top on Motor Rm, Tunnel, Quadrant & Teller, Ant. Steering Gear, Sternframe & Rudder, Engine Casing, Motor Rm Flat, Tween Dk Bulkheads & casings (amended) Attachment of Mainship Deckhouse to Deck, Mainship Deckhouses (2 sheets) Hatch Web Beantlings, Sanitary Discharges & Sumpers, WT Dom on Bldg, Boat Stowage, Deck Steam & Exhaust & F.E. Angl. Work Deck & F.E. Angl. List of FE Appliances in Machy Space. Connection of Transverses to deck girders.

Rise of floor is 4".

Steel complying with Pro3 of the Rules has been used for insert plates at hatch corners on Upper Deck & has been manufactured by the Consett Iron Co. Ltd.

PARTICULARS OF ELECTRIC WELDING (if employed) Electrodes used:— Murex, Quarant, Rock weld.

Part welded— Keel & centre girder, Tank top plating, margins, Tank top frames, floors, Bulkheads, Tunnel, Centre line bulkheads, Upper & 2nd deck plating, longitudinal beams, Transverses, shell butts & seams, Fore deck, Port deckhouses, stern, stern, rudder, auxiliary sealings.

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

"Longitudinal Framing at Bottom & Deck"

Intermediate tween dk Bt forward dispensed with. 5 Bt to Udk. 2 Bt to 2nd dk.

ES. DF. Gyco. Part Elec. welded.

RADAR Equipment (State if fitted) Yes.

State Type or Pattern No. Type 12.

State Name of Maker and/or Supplier. Decca Marine Radar.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	2nd "	3rd "
	51 - 3 - 10 (incl pins)	51 - 0 - 24	51 - 1 - 14
	A & C.	A & C.	A & C.
	5410	5359	5299
	12   10   54	3   9   54	20   7   54

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

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

Official No. ☒ Signal Letters S V B W Extreme Breadth ☒ ft. (Circ. 1611) Over-all Length ☒ ft. (Circ. 1703)

No. and Material of Decks 1 Dk & Shelter dk.

Parts of Bottom of Vessel coated with cement or approved composition Peaks, cofferdam in Eng. Rm, N°3 dbt. under boilers.

Oil Fuel or water ballast is carried in N°1, 2, 3, 4, 1 dbt tanks & deep tank. Diesel Oil in N°4 dbt. Feed & Washing water in N°5 dbt.

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,	Feet.	Tons.	Fore peak tank,	Feet.	Tons.
Double bottom, under Engines and Boilers,		433	After peak tank,		83
Double bottom, if under Engines only,		140	Deep tank, aft,		256
Double bottom, if under Boilers only,		35	Deep tank, forward,		1447
Double bottom, forward,		947	Other tanks, if fitted,		
Total length (if continuous) and Capacity	1380	1555	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 6122

Date 29.10.53

Dates of Surveys held while building

11954 JULY 30, 31, 32, 28 AUG 9, 10, 11, 23, 25, 26, 27, 30, 31 SEPT 1, 3, 7, 8, 9, 10, 13, 14, 15, 16, 17, 20, 22, 23, 24, 27, 28, 29, 30 OCT 5, 6, 8, 11, 12, 13, 14, 15, 18, 19, 20, 21, 22, 25, 26, 27, 29 NOV 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 15, 16, 18, 19, 22, 23, 24, 25, 26, 29, 30 DEC 1, 2, 3, 6, 7, 8, 9, 10, 13, 23, 28, 29, 31 1955 JAN 4, 5, 6, 7, 11, 12, 13, 14, 17, 18, 19, 20, 21, 24, 25, 26, 27, 28 FEB 1, 3, 7, 9, 11, 14, 21, 22, 23 MAR 1, 4, 11, 15, 16, 24

APR 7, 11, 22, 25, 26 MAY 10, 17, 18, 19, 22, 23, 24, 26, 31 JUNE 1, 2, 3, 6, 7, 8, 9, 10, 13, 14, 15, 16

Total No. of Visits 113