

STEEL STEAMER OR ~~MOTORSHIP~~

29 NOV 1944

Received at London Office

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

Port of **GREENOCK**No. **22863**Survey held at **PORT GLASGOW**Date First Survey **24<sup>th</sup> AUGUST 1943** Last Survey **24<sup>th</sup> NOVEMBER 1944**

On the (State if Machinery fitted with or without Tonnage Openings)

**SINGLE SCREW STEAMER "NADIR"****MCHY AMIDSHIPS**

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

**FULL SCANTLING**State Type of Erections **POOP BRIDGE + F/CLE**TONNAGE under Tonnage Deck ... **4932.53**CLASS **+100A1**State if with freeboard as condition of Class **NO**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 post on summer L.W.L. See Sec. 3 (1a) **L 404**Launched **SEPTEMBER 14<sup>th</sup> 1944** Yard No. **1004**

Total

Breadth (greatest moulded) **B 53.75**Builders **LITHGOWS LIMITED**Gross Tonnage **5497.31**Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) **D 31.25**Owners **ASIATIC STEAM NAVIGATION CO LTD**Register Tonnage **3006.68**1st Longitudinal Number (L x D) **12625**

Managers

(Where necessary to be entered in Reg. Book)

**5-7 ST HELENS PLACE**Residence **BISHOPSGATE LONDON**

REGISTERED DIMENSIONS.

FEET

Length **409.5**Breadth **54**Depth **28.75**Framing Depth "d," at middle of length. See Sec. 3 (1d) **FOR 17.67 AFT 16.92**Proportions—Depth to Length—Uppermost continuous deck to top of keel **12.93**Do. Long Bridge to top of keel **10.36**Draught Moulded **25-3 3/4**Port of Registry **LONDON**

If surveyed while building, afloat, or in dry dock

**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 .....	BA 7 3 1/2 37 ✓	
" " from 1/2 length amidships to Collision bulkhead.....	27 ✓		" " Reversed Frame.....	7 3 34 ✓	
" " in peaks .....	24 ✓		" " Vertical Struts .....	6 3 45 ✓	
SIDE FRAMING.	10 3 1/2 40 AFT ✓		Centre Girder, depth and thickness amidships	8 3 1/2 3 1/2 42 ✓	
Frame Amidships, Angle, <b>E or C</b> .....	10 3 1/2 43 FOR ✓		" " top Angles .....	3 1/2 3 1/2 46 ✓	
" " Extends up to.....	SECOND DECK. ✓		" " bottom Angles.....	4 4 50 ✓	
Reversed Frame Amidships, Angle .....	✓		Side Girders, No. each side and thickness.....	1 2 36 ✓	
" " Extends up to .....	✓		Margin Plate depth (excl. of flange) and thickness .....	41 x 50 FOR ✓	
Depth of Framing Girder.....	10 ✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem .....	53 x 50 AFT ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, <b>E or C</b> .....	8 3 1/2 35 ✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area .....	6 1/2 6 1/2 625 T ✓	
" " Second 'tween Decks, Angle, <b>C or C</b> .....	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem.....	6 1/2 6 1/2 625 T ✓	
" " Third .....	✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area .....	40 CONTS ✓	
" " from 1/2 len. for'd. to 15% len. from Stem .....	11 3 1/2 44 42 BA ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	40 CONTS ✓	
" " in Peaks, Angle or <b>C</b> .....	8 3 1/2 35 ✓		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....	7/8 DIA SPACED 7 DIAS ✓		Breadth and thickness of Middle Line Strake...	90 x 50 42 ✓	
State if Frame Joggled.....	YES ✓		Thickness of remainder in Holds .....	42 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, <b>E or C</b> .....	8 3 1/2 35 ✓	
Floors, Depth and thickness at mid-line in Holds.....			" " in way of Bridge, Angle, <b>E or C</b> .....	8 3 36 5 ✓	
Height of Brackets at side above base line at toe of frame.....			Spacing .....	28 ✓	
Middle Line Keelson, on Floors, Angles, <b>C or C</b> .....			Second Deck, amidships, Angle, <b>E or C</b> .....	9 3 37 ✓	
" " Through Plate or Inter-costal Plate .....			Spacing .....	28 ✓	
" " Foundation Plate on Floors .....			Third Deck, amidships, Angle, <b>C or C</b> .....	✓	
" " Flat Plate Keel Angles .....			Spacing .....	✓	
Side Keelsons, No. each side.....			Fourth Deck, amidships, Angle, <b>C or C</b> .....	✓	
" " thickness of Inter-costal Plate.....			Spacing .....	✓	
" " Angles .....			Poop Deck, Angle, <b>E or C</b> .....	8 3 42 ✓	
DOUBLE BOTTOM.			Spacing .....	56 ✓	
Solid Floors, thickness and spacing .....	39 FOR ✓		Bridge Deck, Angle, <b>E or C</b> .....	7 3 37 ✓	
" " Are Frame and Reversed Frame joggled? .....	38 AFT ✓		Spacing .....	28 ✓	
Bracket Floors, breadth and thickness at middle line .....	EVERY 4 <sup>th</sup> FRAME ✓		Forecastle Deck, Angle, <b>E or C</b> .....	7 3 46 ✓	
" " breadth and thickness at margin plate .....	39 x 39 ✓		Spacing .....	27 ✓	



# 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 .....			Stringer Plate, breadth and thickness in way of Bridge .....	72x34 ✓
„ in 'tween Decks, Size and Spacing .....			Thickness of Plating abreast Deck openings in way of Wells .....	30 ✓
„ „ „ „ „ „	2 ROWS OF WIDELY SPACED		Thickness of Plating abreast Deck openings in way of Bridge.....	THROUGHOUT ✓
„ in Holds „ „ „	PILLARS + GIRDERS IN		Thickness of Plating within line of openings...	✓
„ „ „ „ „ „	HOLDS + T/W DECKS ✓		If Sheathed, material and thickness.....	✓
Centre Line Bulkhead. Stiffeners and Spacing .....	✓		Third Deck. Stringer Plate, breadth and thickness.....	✓
Plating, thickness of .....	✓		If Plated, state thickness .....	✓
STRINGERS AND DECKS. Uppermost Continuous Deck. Stringer Plate, breadth and thickness in Wells	72x84 ✓		Fourth Deck. Stringer Plate, breadth and thickness.....	✓
„ „ „ „ in way of Bridge	72x37 ✓		If Plated, state thickness.....	✓
„ Angle in Wells .....	6 6 .88 ✓		Poop Deck. Stringer Plate, breadth and thickness.....	34 ✓
Thickness of Plating abreast Deck openings in way of Wells .....	.58 ✓		Plating, Sheathing, material and thickness.....	34 SHEATHED ✓
Thickness of Plating abreast Deck openings in way of Bridge.....	.35 ✓		Bridge Deck. Stringer Plate, breadth and thickness.....	66-60-47 ✓
Thickness of Plating within line of openings...	42-33 ✓		Plating, Sheathing, material and thickness .....	46-36 NOT SHEATHED ✓
If Sheathed, material and thickness.....	NOT SHEATHED ✓		Forecastle Deck. Stringer Plate, breadth and thickness.....	34 ✓
Second Deck. Stringer Plate, breadth and thickness in Wells	72x36 ✓		Plating, Sheathing, material and thickness.....	34 NOT SHEATHED ✓

## SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				EDGES.		BUTTS.		
	AMIDSHIPS.		FORWARD.	AFT.	State if jogged? NO ✓	SINGLE OR DOUBLE.	RIVETS.		No. of Rows of Rivets.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.	
Flat Plate Keel.....	50	.79	.69	.69		DOUBLE	7/8	3 1/2	FOUR
„ „ „ „ „ „	3 STRAKES OF BOTTOM SHELL PLATING P+S .67 FROM 1/2 LEN TO COLLISION BMD ✓								
Bottom Plating, No. of Strakes FOUR.....		.61	.47	.47		DOUBLE	7/8	3 1/2	FOUR ✓
Bilge Plating, No. of Strakes ONE.....		.61	.47	.47		„	„	„	WELDED AMIDSHIPS ✓
Side Plating, No. of Strakes THREE.....		.61	.45	.45		„	„	„	THREE AT ENDS ✓
Upper Deck, Sheer-strake in Wells.....	65	.86	.45	.45		„	„	„	THREE ✓
Upper Deck, Sheer-strake in Bridge ...	65	.61	✓	✓		„	„	„	FIVE ✓
Strake below Sheer-strake in Wells.....	65	.72	.45	.45		„	„	„	THREE ✓
Strake below Sheer-strake in Bridge ...	65	.61	✓	✓		„	„	„	FOUR ✓
Poop Side Plating.....			.38			SINGLE	„	„	ONE ✓
Bridge Side Plating.....		.59				DOUBLE	„	„	THREE ✓
Forecastle Side Plating			.41			SINGLE	„	„	ONE ✓

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	SIX
Extending to Upper Deck (Sec. 3 c) .....	SIX ✓
„ Deck next below .....	✓
As per Rule .....	SIX ✓

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	29-26	6x3x41	32		
„ „ Second „					
„ „ Third „					
„ „ Holds (9 ft.)	47-33	10x3 1/2x54	32		
COLLISION „ (in Hold) .....	52-30	9x3 1/2x55	24	2 SEMI BOX BEAMS	✓
AFTER PEAK „ „ .....	48-26	6x3x46	24	1 RECESS TOP	✓

## FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar .....	FLAT PLATE	KEEL		✓
STEM .....	ROLLED	10" x 2 1/2		✓
STERN FRAME { Propeller Post .....	CASTING	STREAM LINED	RULE 10 1/2 x 7 7/8	✓
{ Rudder „ .....	„	SEE PLAN	STEEL CO. OF	
Speed of Vessel .....	12 KNOTS	✓	SCOTLAND	✓
RUDDER—Type .....	DOUBLE PLATE	STREAM LINED		✓
„ A x D.....	571	✓		
„ Diam. of head .....	FORGING	11 1/2 = 11 1/2	BEARDMORE.	✓
„ Mainpiece at top pintle	CASTING	10 1/2 x 11	STEEL CO. OF	
„ „ heel .....	„	6 x 11	SCOTLAND	✓
„ how constructed .....	COMPLETE CAST	STEEL FRAME.		✓
„ double or single plate coupling, vertical or horizontal .....	.46	DOUBLE		✓
		VERTICAL		✓

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH
	Colville, Lanarkshire Steel Co of Scotland.
	Has the Steel been tested as required by the Rules? YES ✓



EQUIPMENT No. 35992 ✓										LETTER Z ✓		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.				
44215	1st Bower	64	0	14	STOCKLESS	50	12	2	0	63 3/4 ✓	BYERS IMPROVED	NOT STATED	SUNDERLAND 28/9/43 VOGAN		
44372	2nd "	63	2	0	—	50	5	0	0	63 3/4 ✓	"	"	" 20/9/43 VOGAN		
	3rd "									54 1/2 ✓					
	Collective weight	127	2	14						182 ✓					
2488	Stream	18	0	7	4	2	7	19	2	0	21	17 1/2 ✓	ORP F&D W.I.	NOT STATED NETHERTON 25/3/44 REEF.	
CHAIN CABLES.										HAWERS AND WARPS.					

CHAIN CABLES.										HAWERS 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.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.
3669	120 1/3	2 1/4	9 1/8	12 1/2	303.0.23	682 3/4	270	2 1/6	270	2 1/6	STUD LINK	NOT STATED	9/3/44 NETHERTON REEF ✓	TOWLINE	120	5	62.8	120	5
3670	105 1/2	2 1/4	"	"	265.0.26						"	"	9/3/44 REEF ✓	HAWERS & WARPS	2290	2 3/4	15.2	2290	2 3/4
	225 1/6				568-1-21										2290	2 1/2	13.2	2290	2 1/2
Lean Stream Chain or Steel Wire	90	4 3/4		47					90	4 3/4									

Steering Gear, Type (Power or hand) *STEAM. WILSON PIRRIE TYPE BY P. GLASGOW ENG CO* ✓ Alternative Means of Steering *BLOCKS & TACKLE LED TO AFTER WINCH.* ✓

Steering Chains (Size and Test) *NOT ROD & CHAIN (TELE MOTOR CONTROL)* ✓ Windlass *STEAM BY EMERSON WALKER* Boats *20 26'-0"*  
*2 " 27'-0"*  
*2 " 20'-0"*

Ceiling in Holds, thickness and material *2 1/2 WOOD OVER BILGES, TANK TOP INCREASED IN CARGO BATTENS, THICKNESS, MATERIAL AND SPACING* ✓ *NONE FITTED* ✓

Cargo Hatchways.—(Upper Deck) *30" STEEL COAMINGS* ✓ Thickness of Hatches *3" SLAB COVERS EXCEPT AT N°3*

Size of Hatchways No. 1 (Fwd.) *31'-6" x 16'-0"* No. 2 *32'-8" x 16'-0"* No. 3 *10'-6" x 16'-0"* No. 4 *32'-8" x 16'-0"* No. 5 *30'-4" x 16'-0"* No. 6 *4'-4" x 16'-0"*

Number of Shifting Beams and/or Fore and Afters } *AT N°1, 2, 4, 5 = 5 BEAMS, AT N°3 = 1 BEAM* ✓

Builder's Signature *For LITHGOWS LIMITED* *R. P. 1004*

**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. ✓  
 (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).

*This vessel has been built in conformity with the Society's rules and regulations and the Secretary's letters. The scantlings and arrangements are in accordance with, or equivalent to those shown on the approved plans. The material and workmanship are of good quality. All the D.B. tanks, cofferdam, fore and after peaks, and wing ballast tanks were tested as required by the rules and found satisfactory. The weather decks, W.T. bulkheads, and tunnel were hose tested, and found satisfactory. The pumps, steering gear, bilge suction, W.T. doors, windlass and Afters steering gear were tried and found efficient. The freeboard has been verified, and the marks cut in on the vessel's sides. Emergency equipment has been supplied with the owner's consent. No cargo battens fitted in holds or tween decks. Hatch covers have been fitted to all hatches on 2<sup>nd</sup> deck, but no cleats fitted. Freeboard certificate has been endorsed for deep sea loading.* ✓

The amount of Entry Fee..... £ 9 : 0 : 0 } Fees applied for,  
 24<sup>th</sup> Nov. 1944.  
 Special Survey Fee..... £ 337 : 8 : 6 }  
*Hubbard* 16-0-0 } Received by me,  
 Travelling Expenses, if any ..... £ : : } 19.

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

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

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

Signature *William D. Johnston & J. A. Jamieson*  
 Surveyor to Lloyd's Register of Shipping.  
*Remedy English*

Certificate to be sent to *Glasgow Office* Date of issue *8/1/45*

Committee's Minute *GLASGOW 28 NOV 1944*

Character assigned *-1- 100A1*  
*11.44*

*Lloyds A&CP* *-1- AUC 11.44 FD*

Note: - *Eqne & Cgo. btus*



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.)

Sister Vessel MALIKA GRK R/P 22473.

Approved plans, Midship Section. Profile & decks as built, Forging reports & invoices are forwarded.

PARTICULARS OF ELECTRIC WELDING (if employed) Heads & heels of all pillars, butts of deck girders corners of laps, corners of bulkheads & tank ends. Butts of bilge strake amidships, cruiser stern & boss plating & tank margin gusset plates.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. CRUISER STERN: LLOYD'S A & C.P. "Bower anchor & 45 fathoms cable to supply." Cargo battens to fit in holds & T/H decks at first convenient opportunity. Six N.T. bulkheads to weather deck.

Particulars of Drop Test of Cast Steel Anchors, viz.:—  
Weight, Surveyor's Initials, Number of Certificate, Date of Test.  
1st Bower 40-2-0: JHJ: 5564: 12-4-43  
2nd " 41-0-0: JHJ: 5622: 10-5-43  
3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 40.2 ft., R.O.D. ft., Bridge 119.0 ft., Forecastle 37.8 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.  
Official No. 180,006 Signal Letters Extreme Breadth over Belting (Circ. 1611) Over-all Length 425' (Circ. 1703)  
No. and Material of Decks Two Decks, Steel.  
Parts of Bottom of Vessel coated with cement or approved composition Coated with cement.  
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 133	Tons. 404	Fore peak tank,	Feet.	Tons.
Double bottom, under Engines and Boilers,	44'-4"	200	After peak tank,		79
Double bottom, if under Engines only, Coff	2'-4"		Deep tank, aft, TUNNEL WING TANKS P+S	56	328
Double bottom, if under Boilers only,			Deep tank, forward, P+S	13-8	254
Double bottom, forward,	175-2	593	Other tanks, if fitted,		
Total length (if continuous) and Capacity IN/C. COFFERDAM	354-10	1197	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 3511.  
Date 31<sup>st</sup> MARCH 1943.  
Dates of Surveys held while building  
(1942) Aug. 24, Oct. 1, 4, 20, 21, 22, 29, Nov. 1, 12, 14, 18, 20, 23, 26, 30, Dec. 4, 8, 15, 16, 17, 20, 21, 23, 24, 29, (1943) JAN. 4, 5, 6, 12, 13, 14, 20, 25, 24, FEB. 1, 2, 3, 4, 9, 15, 16, 17, 18, 21, 22, 25, 29, MAR. 1, 2, 3, 6, 9, 10, 13, 14, 15, 16, 17, 20, 21, 23, 24, 29, 30, 31, APR. 1, 4, 9, 12, 20, 22, 24, 26, 27, 28, MAY 1, 2, 3, 4, 8, 9, 10, 11, 12, 15, 18, 19, 22, 24, 26, 30, 31, JUNE 2, 8, 12, 13, 14, 15, 17, 20, 21, 22, 23, 24, 26, 27, 28, 29, JULY 1, 12, 13, 14, 17, 18, 19, 20, 23, 24, 25, 26, 27, 28, 31, AUG. 1, 2, 3, 7, 8, 9, 10, 11, 14, 15, 16, 17, 18, 22, 25, 26, 28, 31, SEPT. 1, 5, 6, 7, 8, 11, 12, 13, 14, 22, 24, 28, 30, OCT. 4, 5, 6, 7, 12, 13, 14, 17, 18, 19, 23, 24, 25, 26, 27, 30, NOV. 3, 6, 7, 8, 9, 10, 11, 13, 14, 15, 18, 19, 21, 24.  
Total No. of Visits 186.