

STEEL STEAMER OR MOTORSHIP

Received at London Office

RECEIVED WRECK

WRECK

23 SEP 1943 SECTION

SECTION

IN D.O. No. 861C

No. 861C

Date of completion of report 18th SEPTEMBER 1943 Port of GREENOCK No. 22432Survey held at PORT GLASGOW Date First Survey 16th SEPTEMBER 1942 Last Survey 15th SEPTEMBER 1942

On the (State if Machinery fitted with and if Single, Twin or Triple Screw) SINGLE SCREW STEAMER "MAHADEVI"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FULL SCANTLING State Type of Erections POPBRIDGE F.C.E.

TONNAGE under Tonnage Deck ... 4932.53

CLASS +100A1. State if with freeboard as condition of Class No

Built at PORT GLASGOW

Launched JUNE 30th 1943 Yard No. 984

Builders LITHGOWS LIMITED

Owners ASIATIC STEAM NAVIGATION CO LTD

Managers

(Where necessary to be entered in Reg. Book)

Residence 5-7 ST HELENS PLACE, BISHOPSGATE LONDON

Port of Registry LONDON

If surveyed while building, afloat, or in dry dock

BUILDING AFLOAT & IN DRY DOCK

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

Total 5459.42
Gross Tonnage 5459.42
Register Tonnage 3005.00

REGISTERED DIMENSIONS.

FEET

Length 409.5
Breadth 54.0
Depth 28.75

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 404

Breadth (greatest moulded) B 53.75

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

1st Longitudinal Number (L x D) = 12625

2nd Numeral L x (B + D) = 34340

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 1/2

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 3/2 37	✓
" " from 1/2 length amidships to Collision bulkhead.....	27	✓	" " Reversed Frame.....	BA 7 3 34	✓
" " in peaks	24	✓	" " Vertical Struts	BA 6 3/2 45	✓
SIDE FRAMING.	10 3 1/2 40 AFT	✓	Centre Girder, depth and thickness amidships	CHAN. 8 3 1/2 42	✓
Frame Amidships, Angle, E or F	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 @ 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 1/2 len. from stem	53 x 50 AFT	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	8 3 1/2 35	✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	6 1/2 6 1/2 62 1/2	✓
" " Second 'tween Decks, Angle, E or F	✓	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	6 1/2 6 1/2 62 1/2	✓
" " Third	✓	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	40 CONT?	✓
" " from 1/2 len. for'd. to 15% len. from Stem	11 x 3 1/2 x 44-42 BA	✓	" " Tank Side Brackets, height above base line at toe of Frame and thickness	40 CONT?	✓
" " in Peaks, Angle, E or F	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	51 x 50	✓
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, E or F	8 3 1/2 35	✓
Floors, Depth and thickness at mid-line in Holds.....	✓	✓	" " in way of Bridge, Angle, E or F	8 3 34	✓
Height of Brackets at side above base line at toe of frame	✓	✓	" " Spacing	28	✓
Middle Line Keelson, on Floors, Angles, E or F	9 3 36	✓	Second Deck, amidships, Angle, E or F	28	✓
" " Through Plate or Inter-costal Plate	✓	✓	" " Spacing	28	✓
" " Foundation Plate on Floors	✓	✓	Third Deck, amidships, Angle, E or F	✓	✓
" " Flat Plate Keel Angles	✓	✓	" " Spacing	✓	✓
Side Keelsons, No. each side.....	✓	✓	Fourth Deck, amidships, Angle, E or F	✓	✓
" " thickness of Inter-costal Plate	✓	✓	" " Spacing	✓	✓
" " Angles	✓	✓	Poop Deck, Angle, E or F	8 3 42	✓
DOUBLE BOTTOM.			" " Spacing	56	✓
Solid Floors, thickness and spacing	39 FOR	✓	Bridge Deck, Angle, E or F	7 3 37	✓
" " Are Frame and Reversed Frame joggled?	38 AFT	✓	" " Spacing	28	✓
Bracket Floors, breadth and thickness at middle line	EVERY 4 th FRAME	✓	Forecastle Deck, Angle, E or F	7 3 46	✓
" " breadth and thickness at margin plate.....	YES	✓	" " 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 & TWIN DECK ✓			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	66x60-47 ✓		
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	35x34 ✓		
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.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing cr. to cr.	
Flat Plate Keel	50	.79	.69	.69		DOUBLE	7/8 3 1/2	FOUR	1	4	LAPPED
„ „ „ „ „ „	3 STRAKES OF BOTTOM SHELL PLATING P+S .67 FROM 1/2 LEN TO COLLISION BHD					DOUBLE	7/8 3 1/2	FOUR	7/8	3 1/2	LAPPED
Bottom Plating, No. of Strakes .....		.61	.47	.47							LAPPED
Bilge Plating, No. of Strakes .....		.61	.47	.47				WELDED AMIDSHIPS THREE AT ENDS		3 1/8	WELDED
Side Plating, No. of Strakes .....		.61	.45	.45				THREE		3 1/8	LAPPED
Upper Deck, Sheer-strake in Wells	65	.86	.45	.45				FIVE	1	4 1/2	
Upper Deck, Sheer-strake in Bridge	65	.61	✓	✓				THREE	7/8	3 1/8	
Strake below Sheer-strake in Wells	65	.72	.45	.45				FOUR	1	4	
Strake below Sheer-strake in Bridge	65	.61	✓	✓				THREE	7/8	3 1/8	
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—	SEVEN.
Extending to Upper Deck (Sec. 3 c)	SEVEN ✓
„ Deck next below	✓
As per Rule	SEVEN

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	10x2 1/2		✓
STERN FRAME { Propeller Post	CASTING	STREAM LINED SEE PLAN	RULE 10 1/2 x 7 1/8	✓
{ Rudder			STEEL CO OF SCOTLAND	✓
Speed of Vessel		12 KNOTS.		✓
RUDDER—Type		DOUBLE PLATE STREAM LINED		✓
„ A x D		57 1/2		✓
„ Diam. of head	FORGING	11 1/2 = 11 1/2	BEARDMORE	✓
„ Mainpiece at top pintle	CASTING	10 1/2 x 11	STEEL CO OF SCOTLAND	✓
„ „ heel		6x11		✓
„ how constructed		COMPLETE CAST STEEL FRAME		✓
„ double or single plate coupling, vertical or horizontal .....		.46 DOUBLE VERTICAL		✓

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	.29-.26	6x3x41.0A	32		
„ „ Second „	✓				
„ „ Third „	✓				
„ „ Holds	(92) .47-.33	10x3 1/2x54BA	32		
COLLISION „ (in Hold) .....	.52-.30	9x2 1/2x55BA	24	2 SEMI-BOX BEAMS	
AFTER PEAK „ „	.48-.26	6x3x460A	24	1 SEMI-BOX BEAM RECESS TOP	

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. 35969										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.
42821	1st Bower	64	1	0	STOCKLESS	50	12	2	0	✓	63 3/4	BYERS IMPROVED	PER W.L. BYERS & CO.	S. 12/12/42 VOGAN.
42662	2nd "	63	3	0	"	50	7	2	0	✓	63 3/4	"	"	S. 11/12/42 VOGAN.
	3rd "										54 1/2	"	"	
	Collective weight	128	0	0							182-0			
1799	Stream	17	2	14	4	1	21	18	14	1	14	17 1/2	ORP F&P 1/2" STEEL. NOT STATED (ELECTRIC WELDED)	N. 30/12/42 RELF

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.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.					Ins.	Fathoms.		Ins.	Tons.	Fathoms.	Ins.
3175	120	2 1/4	9 1/8	127.5	303	1	7	68 2 1/4	270	2 1/8	STD LINK	NOT STATED	N. 21/12/42 RELF	TOWLINE	120	5	52.8	120	5
3176	105	2 1/4	"	"	266	0	21			"	"	N. 21/12/42	"	HAWSERS & WARPS	2@90	2 3/4	15.2	2@90	2 3/4
					569	2	0								2@90	2 1/2	13.2	2@90	2 1/2
	Stream	90	4 3/4		47														

Steering Gear, Type (Power or hand) By PORT GLASGOW ENGS CO.

Steering Chains (Size and Test) NONE, STEERING GEAR AFT TELE MOTOR CONTROL.

Ceiling in Holds, thickness and material 2 1/2" W.P. OVER BILGES.

Cargo Hatchways.—(Upper Deck) 30" STEEL COAMING, WEBS FITTED FOR NEILSON LIFTING GEAR.

Size of Hatchways No. 1 (Fwd.) 31'-6" x 16' No. 2 32'-8" x 16' No. 3 11'-8" x 16' No. 4 32'-8" x 16' No. 5 30'-4" x 16' No. 6 ✓

Number of Shifting Beams and/or Fore and Afters No. 1 = 5, No. 2 = 4, No. 3 = 1, No. 5 = 5 WEBS

Alternative Means of Steering BLOCKS & TACKLE LED TO AFTER WINCH

Windlass STEAM BY EMERSON WALKER.

Cargo Battens, thickness, material and spacing NOT FITTED.

Thickness of Hatches 3" SLAB COVERS EXCEPT AT NO. 3 HATCH COVERS FITTED AT 2" DK.

Builder's Signature For LITHGOWS LIMITED

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 NOT FITTED

(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 ship's rules for the class contemplated. The materials & workmanship are of good quality. The fore & aft peaks & double bottom tanks & deep ballast tanks have been tested as required by the rules & found satisfactory. The weather decks watertight bulkheads & tunnel were hose tested & found satisfactory. The pumps, steering gear, windlass, W.T. doors, auxiliary steering gear & bilge suction were tried & found satisfactory.

The freeboard has been verified & the marks cut in on the vessel's sides.

Emergency equipment has been supplied with the owner's consent.

The freeboard certificates have been endorsed for deeper loading.

The amount of Entry Fee..... £ 9 : 0 : 0

Special Survey Fee..... 336 : 9 : 6

FREEBOARD. 16 : 0 : 0

Travelling Expenses, if any £ ✓ : ✓ : ✓

Fees applied for, 31ST AUG. 1943.

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 Kenneth Inglis
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to GREENOCK OFFICE Date of issue 22/10/43

Committee's Minute GLASGOW 21 SEP 1943

Character assigned 1-100 A1 9.43

Lloyds A & C

1- CMC 9.43 28.

Note: Cgo. bins & Equip.

© 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.)

Sister vessel S.S. SHAHZADA Grk report No 21998

Approved plans are retained for dealing with future vessels. Midship section & profile & deck plans as built are herewith forwarded.

It is stated that cargo battens will be fitted aboard

Note: Hatch covers have been fitted on all 2nd deck hatches.

PARTICULARS OF ELECTRIC WELDING (if employed)

Heads & heels of all pillars, both of deck girders
corners of hatch deck bars, corners of bulble ads & tank ends, both of bilge stake amidships.
Cruiser stern, brass plating.

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

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

1st Bower 40.2.0 : J.H.J. : 5211 : 28.9.42.
2nd „ 41.1.0 : J.H.J. : 5244 : 30.9.42.
3rd „

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 40.2 ft., R.Q.D. ✓ ft., Bridge 16.7 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. 169,579. Signal Letters ✓ Extreme Breadth over Belting ✓ Over-all Length 425.0

No. and Material of Decks Two DECKS.

Parts of Bottom of Vessel coated with cement or approved composition coated with cement ✓

Particulars of composition (if fitted) and of approval

Tanks removed 2/49 bal lpt 10 13772

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,	13.9	404	Fore peak tank,		111
Double bottom, under Engines and Boilers,	44.4"	200	After peak tank,		79
Double bottom, if under Engines only, ✓			Deep tank, aft, TUNNEL WING TANKS P4 S	56.1	228
Double bottom, if under Boilers only, ✓			Deep tank, forward, P4 S	13.8"	2.54
Double bottom, forward,	175.2"	593	Other tanks, if fitted,		
Total length (if continuous) and Capacity	354.9"	1197	(If necessary furnish further information by sketch.)		

Order for Special Survey No 3501

Date 24th OCT. 1942.

Dates of Surveys
held while building

(1942) SEPT 16. 24. NOV. 26. DEC. 24. (1943) JAN. 5. 8. 12. 18. 20. 24. FEB. 10. 23. 24. MAR. 5. 12. 16. 17. 22.
APR. 8. 13. 16. MAY 5. 6. 10. 18. 19. 25. 26. 27. 28. JUNE 2. 3. 4. 7. 9. 11. 16. 17. 18. 21. 22. 23. 24. 25. 27. 28. 29. 30.
JULY 1. 15. 16. 17. 20. 23. 30. AUG. 2. 3. 6. 9. 11. 12. 13. 17. 18. 20. 23. 24. SEPT. 15.

Total No. of Visits 68.