

## STEEL STEAMER or MOTORSHIP.

Received at London Office 11 SEP 1929

State if Report has been sent on the Freeboard of the Vessel YESState if Report is sent on the Machinery of the Vessel YESDate of completion of report 5th September 1929Port of GREENOCKNo. 19089Survey held at PORT - GLASGOWDate First Survey 20th July 1928Last Survey 2nd September 1929

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

SINGLE SCREW "BAHADUR"

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

FULL SCANTLINGState Type of Erections POOP, BRIDGE & FORETONNAGE under Tonnage Deck... 5023.65CLASS 100A1State if with freeboard as condition of Class NoBuilt 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 404'0"Launched 10th JUNE 1929 Yard No. 823Total 5023.65Breadth (greatest moulded) B 53'75"Builders LITHGOWS LIMITEDGross Tonnage 5423.61Depth 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 COMPANY LTDRegister Tonnage 3397.191st Longitudinal Number (L x D) = 12625Managers ✓

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

REGISTERED DIMENSIONS.

FEET.

Length 405'0"Framing Depth "d," at middle of length. See Sec. 3 (1d) 17'67"Breadth 54'0"Proportions—Depth to Length—Uppermost continuous deck to top of keel 12'93"Depth 28'8"Do. Long Bridge to top of keel 10'36"Draught Moulded 25'82"Residence 45 ST MARY AXE LONDONPort 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 .....	B.A.	6 1/2	3 1/2	41 ✓
" " from 3/4 length to Collision bulkhead.....}	27"	✓			" " Reversed Frame ...	B.A.	6	3	41 ✓
" " in peaks.....	24"	✓			" " Vertical Struts .....	B.A. CHANNEL	6	3	41 ✓
<b>FRAMING.</b>									
Frame Amidships, Angle, E or C .....	10 1/2	3 1/2	44	10 1/2 x 3 1/2 x 42	Centre Girder, depth and thickness amidships		43		54 ✓
" " Extends up to .....	2ND DECK.	✓			" " top Angles .....		3 1/2	3 1/2	50 ✓
Reversed Frame Amidships, Angle .....	✓				" " bottom Angles .....		4	4	56 ✓
" " Extends up to...	✓				Side Girders, No. each side and thickness .....		1	2	40 ✓
Depth of Framing Girder.....	✓				Margin Plate depth (excl. of flange) and thickness .....		42		50 ✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or C.....}	8	3 1/2	35	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem .....		5	5	45 ✓
" " Second 'tween Decks, Angle, E or C .....	✓				" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem .....		5	5	45 ✓
" " Third " " " " .....	✓				" " Gussets, spacing and scantling abaft 1/4 len. from stem.....}	No GUSSETS. ADDITIONAL RIVETING IN VER. CONNECTIONS. ✓			
Framing in Peaks, Angle or C .....	8	3	35	✓	" " Gussets, spacing and scantling forward 1/4 len. from stem.....}	D2. ✓			
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....	7/8 R 2	6 1/2	✓		Tank Side Brackets, height above base line at toe of Frame and thickness }	66		45	✓
State if Frame Joggled .....	YES	✓			<b>INNER BOTTOM PLATING.</b>				
<b>FRAMING ARRANGEMENTS</b> (Sec. 7), state system and particulars)					Breadth and thickness of Middle Line Strake ...				
mka					61 49 ✓				
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars .....					Thickness of remainder in Holds .....				
DOUBLE FRAMES TO FLOORS & ADDITIONAL INTER. GIRDERS FORWARD OF 3/4 LENGTH AS PER APP. PLAN					42 ✓				
<b>DOUBLE BOTTOM.</b>					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.....}				
Floors, Depth and thickness at mid-line in Holds .....					15.50 15.56 ✓				
Height of Brackets at side above base line at toe of frame .....					<b>BEAMS.</b>				
Middle Line Keelson, on Floors, Angles, E or C .....					Uppermost Continuous Deck, amidships in Wells, Angle, E or C .....				
" " Through Plate or Intercoastal Plate...					7 1/2 3 1/2 36 ✓				
" " Foundation Plate on Floors .....					" " in way of Bridge, Angle, E or C .....				
" " Flat Plate Keel Angles					8 3 40 ✓				
Side Keelsons, No. each side .....					Spacing .....				
" " thickness of Intercoastal Plate...					EVERY FRAME. ✓				
" " Angles .....					Second Deck, amidships, Angle, E or C .....				
<b>DOUBLE BOTTOM.</b>					8 1/2 3 46 ✓				
Solid Floors, thickness and spacing .....					Spacing.....				
" " Are Frame and Reversed Frame joggled?.....}					EVERY FRAME. ✓				
Bracket Floors, breadth and thickness at middle line..... }					Third Deck, amidships, Angle, E or C .....				
" " breadth and thickness at margin plate..... }					Spacing.....				
					Fourth Deck, amidships, Angle, E or C .....				
					Spacing .....				
					Poop Deck, Angle, E or C .....				
					8 3 44 ✓				
					Spacing.....				
					ALT. FRAMES. ✓				
					Bridge Deck, Angle, E or C .....				
					7 3 39 ✓				
					Spacing .....				
					EVERY FRAME				
					Forecastle Deck, Angle, E or C .....				
					10 3 1/2 40 ✓				
					Spacing .....				
					ALT. FRAMES				



PILLARS AND DECKS.												
PILLARS, No. of Rows.....	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	SCANTLINGS.			RIVETING.		
	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.					AS IN VESSEL.	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.	BUTTS.		
Stringer Plate, breadth and thickness in way of Bridge .....	69	34			Stringer Plate, breadth and thickness .....	69	34			Stringer Plate, breadth and thickness .....	69	34
Thickness of Plating abreast Deck openings in way of Wells .....	30				Thickness of Plating abreast Deck openings in way of Bridge .....	30				Thickness of Plating within line of openings...	30	
Thickness of Plating abreast Deck openings in way of Bridge .....	30				Thickness of Plating within line of openings...	30				Thickness of Plating within line of openings...	30	
Thickness of Plating within line of openings...	30				Thickness of Plating within line of openings...	30				Thickness of Plating within line of openings...	30	
If Sheathed, material and thickness .....					If Sheathed, material and thickness .....					If Sheathed, material and thickness .....		
Third Deck.					Third Deck.					Third Deck.		
Stringer Plate, breadth and thickness .....					Stringer Plate, breadth and thickness .....					Stringer Plate, breadth and thickness .....		
If Plated, state thickness .....					If Plated, state thickness .....					If Plated, state thickness .....		
Fourth Deck.					Fourth Deck.					Fourth Deck.		
Stringer Plate, breadth and thickness .....					Stringer Plate, breadth and thickness .....					Stringer Plate, breadth and thickness .....		
If Plated, state thickness .....					If Plated, state thickness .....					If Plated, state thickness .....		
Poop Deck.					Poop Deck.					Poop Deck.		
Stringer Plate, breadth and thickness .....					Stringer Plate, breadth and thickness .....					Stringer Plate, breadth and thickness .....		
Plating, Sheathing, material and thickness .....					Plating, Sheathing, material and thickness .....					Plating, Sheathing, material and thickness .....		
Bridge Deck.					Bridge Deck.					Bridge Deck.		
Stringer Plate, breadth and thickness .....					Stringer Plate, breadth and thickness .....					Stringer Plate, breadth and thickness .....		
Plating, Sheathing, material and thickness .....					Plating, Sheathing, material and thickness .....					Plating, Sheathing, material and thickness .....		
Forecastle Deck.					Forecastle Deck.					Forecastle Deck.		
Stringer Plate, breadth and thickness .....					Stringer Plate, breadth and thickness .....					Stringer Plate, breadth and thickness .....		
Plating, Sheathing, material and thickness .....					Plating, Sheathing, material and thickness .....					Plating, Sheathing, material and thickness .....		

EQUIPMENT No. 35994										LETTER 2		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.	Cwts.	qrs.			
31931	1st Bower	63	3	7	Stockless.	50	10	0	0	63 1/4	Byers Improved	✓	SUNDERLAND 22-3-29	J. H. BUTLER.		
31926	2nd "	63	3	0	"	50	7	2	0	63 1/4	D <sup>2</sup>	✓	SUNDERLAND 21-3-29	J. H. BUTLER.		
31889	3rd "	55	0	0	"	45	7	2	0	54 1/2	D <sup>2</sup>	✓	SUNDERLAND 8-3-29	J. H. BUTLER.		
17758	Stream	17	2	0	✓	18	12	2	0	17 1/2	COMMON	✓	CARDIFF 28-1-29	A. JONES.		

  

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.		Supplied.	Per Rule.						Length.	Diam.		Length.	Diam.	Length.	Diam.		
32739	270	2 1/4	91 1/2	187 1/2	694	1-21	682 1/2	270	2 1/4	SWD/UNK.	R. SYKES & SONS L <sup>td</sup>	CARDIFF 26-1-29	A. JONES.	TOWLINE	120	5	73	120	5
														HAWERS & WARPS	2290	2 1/4	15 1/2	2290	2 1/4
															2290	2 1/4	12 1/2	2290	2 1/4

  

Steering Gear, Steam **BY CALDWELL & CO GLASGOW.** Steering Gear, Hand **BY RELIEVING TACKLE TO POOP NINCH.**

Boats **6 LIFEBOATS.** Steering Chains, Size and Test **TELE MOTOR GEAR FITTED.** Windlass **STEAM BY EMERSON WALKER L<sup>td</sup>.**

Ceiling in Holds, thickness and material **2 1/2" H.P. UNDER HATCHES ONLY.** Cargo Battens, thickness, material and spacing **6" x 2" H.P. SPACED 9"**

Cargo Hatchways, (Upper Deck) **STEEL PLATES & ANGLES.** Thickness of Hatches **3" SOLID COVERS.**

Size of No. 1 Hatchway (Forward) **22' 6" x 16' 0".** No. 2 **30' 4" x 16' 0".** No. 3 **35' 0" x 16' 0".** No. 4 **23' 4" x 16' 0".** No. 5 **14' 0" x 16' 0".** No. 6 **14' 0" x 16' 0".**

Number of Shifting Beams and/or Fore and Afters **4 NEBS IN N<sup>o</sup> 1 & 4; 5 NEBS IN N<sup>o</sup> 2; 6 NEBS IN N<sup>o</sup> 3; 2 NEBS IN BRIDGE HATCH.**

Builder's Signature **FOR LITHGOWS LIMITED R. Campbell**

  

GENERAL DECLARATION. It should be stated (a) whether the vessel 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.

*This vessel has been built in accordance with the Approved Plans & in general conformity with the Society's Rules for the Class contemplated.*

*The workmanship is good & the materials used in the vessel's construction are also good.*

*All the Double Bottom Tanks, the Fore Peak Tank, the After Peak Tank & the Deep Tank have been tested as required by the Rules & found satisfactory.*

*The weather decks, N.T. Bulkheads & the Shaft Tunnel were hose tested & found satisfactory.*

*Freeboard was verified & the marks cut in on vessel's sides.*

*Copy of letter from Owner's regarding omission of Tween D<sup>2</sup> BH<sup>2</sup> aft attached.*

  

WATERTIGHT BULKHEADS.		FORGINGS and CASTINGS.	
Total No. of W.T. BULKHEADS in Vessel—	Extending to Upper Deck (Sec. 3 c)	Deck next below	As per Rule
6	5	1	6

  

STIFFENERS.		FORGINGS and CASTINGS.	
Plating Thickness.	VERTICAL.	HORIZONTAL.	Any departure from approved plans to be noted.
MIDSHIP BULKHEAD, Upper tween decks	27-26 11x3 1/2 28 1/2	6x3 1/2 27 1/2	✓
" " Second	27-26 11x3 1/2 28 1/2	6x3 1/2 27 1/2	✓
" " Third	27-26 11x3 1/2 28 1/2	6x3 1/2 27 1/2	✓
" " Holds	27-26 11x3 1/2 28 1/2	6x3 1/2 27 1/2	✓
COLLISION (in Hold)	52-30 10 1/2 3 1/2 24	2 SEMI BOX BEAMS	✓
AFTER PEAK	46-30 8x3 1/2 24	TUNNEL PLAT.	✓

  

FORGINGS and CASTINGS.	
Casting or Forging.	Any departure from approved plans to be noted.
KEEL, Bar	✓
STEM	ROLLED STEEL 10" x 2 1/2" PORTLAND FORGE
STERN FRAME	Propeller Post CASTING 10 1/2" x 7 1/2" OTTO GRUSON
Rudder	" 9" x 7 1/2" C <sup>2</sup>
RUDDER—A & D	489
Speed of Vessel	10 1/2 K.
RUDDER mainpiece at head	FORGING 10" WITZOWITZER BERGHAU
" " heel	7 1/2 EISENHUTTEN. GEM.
" " how constructed	BUILT FORGING
" " double or single plate	SINGLE PLATE 1' 08"
" " coupling, vertical or horizontal	VERTICAL

  

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) **OPEN HEARTH PROCESS.**

**STEEL.** D. COLVILLE & SONS L<sup>td</sup>; M<sup>rs</sup> BEARDMORE & CO L<sup>td</sup>; J. DUNLOP & CO L<sup>td</sup>; STEEL COMPANY OF SCOTLAND L<sup>td</sup>; STEWART & LLOYD; CONSETT IRON CO L<sup>td</sup>; SKIRMINGROVE IRON WORKS; LANKSHIRE STEEL CO L<sup>td</sup>; APPLEBY IRON CO L<sup>td</sup>;

Has the Steel been tested as required by the Rules? **YES.**



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.)

This is a sister vessel to S. S. "SUBADAR" Grk 1<sup>st</sup> Entry Report No 19060

List of Plans.

Midship Section; Profile & Decks; Sternframe; Rudder; W. T. Bulkheads; Pillars & Girders; Strengthening in Double Bottom forward; Tunnel Plan; Bunket Plan & 2<sup>nd</sup> Deck in way; Coaling Doors; Quadrant; Tiller; Pumping Arrangement; Midship Section; Profile & Decks; (as built).

Forging Reports. Sternframe; Rudder; Quadrant; Tiller;

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower.	HEAD & PIN. 39-3-14	SURV INIT. K. H.	N <sup>o</sup> CERT. 6203	DATE OF TEST. 21.2.29.
	2nd "	39-2-14	K. H.	6182	21.2.29.
	3rd "	34-3-21	N. B.	6138	30-1-29.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 40.08 ft., R.Q.D. ☒ ft., Bridge 121.25 ft., Forecastle 41.16 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 2 DKS (STL).

Official No. 161284 : Signal Letters Is bottom of Vessel coated with cement ☒ if not give particulars of composition PORTLAND CEMENT ON BOTTOM IN TANK UNDER BOILERS; ELSEWHERE CEMENT FILLETS. PORTLAND CEMENT IN PEAKS.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	121.32	381	Fore peak tank,		118
Double bottom, under Engines and Boilers,	44.32	192	After peak tank,		31
Double bottom, if under Engines only,			Deep tank, aft,	35.0	981
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	182.08	613	Other tanks, if fitted,		
	Total capacity of double bottom	1186	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 3264

Date 6<sup>th</sup> September 1928

Dates of Surveys held while building

(1928) July 20. Aug 9. 14. 22. 24. 29. Sept 4. 12. 14. 24. Oct 9. 11. 15. 29. 31. Nov 6. 8. 14. 19. 21. 24. Dec 1. 11. 13. 14. 21. 25. (1929) Jan 8. 14. 14. 22. 25. 31. Feb 14. 16. 24. Mar. 1. 6. 14. 18. 19. 21. 26. April 3. 15. 14. 18. 19. 22. 24. 26. 30. May 2. 4. 14. 22. 24. 28. June 4. 5. 6. 10. 12. 20. 24. July 2. 18. Aug 29. Sept 2.

Total No. of Visits 40.