

## STEEL STEAMER or MOTORSHIP.

Received at London Office 12 FEB 1925

State if Report has been sent on the Freeboard of the Vessel YESState if Report is sent on the Machinery of the Vessel FROM H. H. P.Date of completion of report 11 February, 1925 Port of SUNDERLANDNo. 29014Survey held at SUNDERLANDDate First Survey 31 January, 1924 Last Survey 16 December 1924On the (State if Machinery fitted with or without Tonnage Openings) STEEL SINGLE SCREW "QUERIMBA" (MACHY AMIDS)State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) COMPLETE SUPERSTRUCTURE WITH TONG OPEN State Type of Erections T.G. ACTLE.TONNAGE under  
Tonnage Deck...CLASS + 100 A1State if with freeboard  
as condition of Class YESBuilt at SUNDERLANDDo. 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 486.5Launched 16 OCT. 1924 Yard No. 964Total 7196.70Breadth (greatest moulded) B 60.5Builders WEAR SHIPYARD CO OF  
W. GRAY & CO LTDGross Tonnage 7769.24Depth at middle of length from top of keel to top  
of beam at side of uppermost continuous  
deck. See Sec. 3 (1c) D 40.66Owners BRITISH INDIA S.N. CO LTDRegister Tonnage 4771.971st Longitudinal Number (L x D) = 19781.09Managers  
(Where necessary to be entered in Reg. Book.)REGISTERED DIMENSIONS.  
FEET.2nd Numeral L x (B + D) = 49214.34

Residence

Length 487.0Framing Depth "d" at middle of length. See  
Sec. 3 (1d) 19.5 1/2Port of Registry LONDONBreadth 60.95Proportions—Depth to Length—Uppermost con-  
tinuous deck to top of keel 11.6

If surveyed while building, afloat, or in dry dock

Depth 29.90Draught Moulded BUILDING.

## 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	33 1/2			✓	Bracket Floors, Frame	BA	8	3 1/2	48
" " from 1/2 length to Collision bulkhead	27			✓	" " Reversed Frame	BA	7 1/2	3	48
" " in peaks	24			✓	" " Vertical Struts	BA. 2	7 1/2	3	48
SIDE FRAMING.					Centre Girder, depth and thickness amidships		47 1/2		64
Frame Amidships, Angle <u>E or C</u>	12	3 1/2	56	✓	" " top Angles	2	3 1/2	3 1/2	59
" " Extends up to	3RD DK.			✓	" " bottom Angles	2	5	5	69
Reversed Frame Amidships, Angle	✓			✓	Side Girders, No. each side and thickness	2		51	✓ 46
" " Extends up to	✓			✓	Margin Plate depth (excl. of flange) and thickness		41		59
Depth of Framing Girder	12			✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		6	6	50
Frames in Uppermost Continuous 'tween Decks, Angle <u>E or C</u>	8	3 1/2	44	✓	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem		6	6	50
" " Second 'tween Decks, Angle <u>E or C</u>	8	3 1/2	44	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem		33 1/2	33 1/2	46
" " Third " " " "	✓			✓	" " Gussets, spacing and scantling forward 1/2 len. from stem		27	27	46
Framing in Peaks, Angle <u>E or C</u>	8 1/2	3 1/2	41	✓	Tank Side Brackets, height above base line at toe of Frame and thickness		81		✓
Diameter and Spacing of Rivets through Shell Plating	7/8	5 1/4		✓	INNER BOTTOM PLATING.				
State if Frame Joggled	YES			✓	Breadth and thickness of Middle Line Strake		57 1/2		58
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	REV. ANGLES SIDE STRINGERS			✓	Thickness of remainder in Holds				50
STRENGTHENING OF BOTTOM FOR WARD. State Particulars	SHELL INCREASED AND DOUBLE ANGLE FRAMES			✓	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		✓
SINGLE BOTTOM.					BEAMS.				
Floors, Depth and thickness at mid-line in Holds					Uppermost Continuous Deck, amidships		9	3 1/2	43
Height of Brackets at side above base line at toe of frame					" " in Way, Angle <u>E or C</u>		9	3 1/2	43
Middle Line Keelson, on Floors, Angles, [ or C ]					" " Spacing		33 1/2		✓
" " Through Plate or Intercostal Plate					Second Deck, amidships, Angle <u>E or C</u>		9 1/2	3 1/2	55
" " Foundation Plate on Floors					" " Spacing		33 1/2		✓
" " Flat Plate Keel Angles					Third Deck, amidships, Angle <u>E or C</u>		9 1/2	3 1/2	55
Side Keelsons, No. each side					" " Spacing		33 1/2		✓
" " thickness of Intercostal Plate					Fourth Deck, amidships, Angle, [ or C ]		✓		
" " Angles					" " Spacing		✓		
DOUBLE BOTTOM.					Poop Deck, Angle, [ or C ]		✓		
Solid Floors, thickness and spacing	51	67		✓ 46	" " Spacing		✓		
" " Are Frame and Reversed Frame joggled?	YES			✓	Bridge Deck, Angle, [ or C ]		✓		
Bracket Floors, breadth and thickness at middle line	3-9	51		✓ 46	" " Spacing		✓		
" " breadth and thickness at margin plate	2-6	51		✓ 46	Forecastle Deck, Angle <u>E or C</u>		9	3	51
					" " Spacing		9	3	43



## 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</b> , No. of Rows.....	2	✓			Stringer Plate, breadth and thickness in way of Bridge .....	✓			
" " in 'tween Decks, Size and Spacing.....	WIDE SPACED AS PER PLAN	/			Thickness of Plating abreast Deck openings in way of Wells .....		42	✓	
" " " " " "					Thickness of Plating abreast Deck openings in way of Bridge .....		42	✓	
" " in Holds " "					If Sheathed, material and thickness .....	✓			
" " " " " "					<b>Third Deck.</b>				
<b>Centre Line Bulkhead.</b>					Stringer Plate, breadth and thickness.....	63½	40	✓	
Stiffeners and Spacing.....	✓				If Plated, state thickness.....		36	✓	
Plating, thickness of .....	✓				<b>Fourth Deck.</b>				
<b>STRINGERS AND DECKS.</b>					Stringer Plate, breadth and thickness.....	✓			
<b>Uppermost Continuous Deck.</b>					If Plated, state thickness .....	✓			
Stringer Plate, breadth and thickness in Wells	68	74	✓		<b>Poop Deck.</b>				
" " " " in way of Bridge ✓					Stringer Plate, breadth and thickness .....	✓			
" Angle in Wells .....	6	6	74	✓	Plating, Sheathing, material and thickness ...	✓			
Thickness of Plating abreast Deck openings in way of Wells .....		.61	✓		<b>Bridge Deck.</b>				
Thickness of Plating abreast Deck openings in way of Bridge .....		.61	✓		Stringer Plate, breadth and thickness.....	✓			
<b>AMIDSHIPS &amp; AT STERN.</b>					Plating, Sheathing, material and thickness ...	✓			
If Sheathed, material and thickness .....	2½ TEAK	✓			<b>Forecastle Deck.</b>				
<b>Second Deck.</b>					Stringer Plate, breadth and thickness.....	36	38	✓	
Stringer Plate, breadth and thickness in Wells...	63½	46	✓		Plating, Sheathing, material and thickness ...		36	✓	

## 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	56	90	80	80			D	1	3 3/4	4	1	4	LAP	
” DBLG. (if any)							-	-	-	-	-	-	-	
BOTTOM PLATING, No. of Strakes	73	70	60 5/4 70 5/4	56			D	7/8	3 1/4	4	7/8	3 1/2	”	
BILGE PLATING, No. of Strakes	73	70	54	56			”	”	”	4	7/8	”	”	
SIDE PLATING, No. of Strakes	73	68	50	52			”	”	”	3	7/8	3/8	”	
UPPER DECK Sheer-strake in Wells	73 1/2	77	50	54			”	1	3 3/4	4	1	4	”	
UPPER DECK Sheer-strake in Bridge							”	1	”	4	1	4	”	
STRAKE BELOW Sheer-strake in Wells	73 1/2	75	50	52			”	7/8	3 1/4	4	1	4	”	
STRAKE BELOW Sheer-strake in Bridge							”	7/8	3 1/4	4	1	4	”	
POOP SIDE PLATING							-							
BRIDGE SIDE PLATING							-							
FOREC'TLE SIDE PLATING		44					S	3/4	3	5	3/4	2 5/8	”	

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		8 ✓	Extending to Upper Deck (Sec. 3 c)		1 ✓	,, Deck next below		7 ✓	As per Rule		8 ✓
		STIFFENERS.									
		VERTICAL.		HORIZONTAL.							
		Scantlings. Spacing.		Scantlings. Spacing.							
MISSING BULKHEAD, Tween decks...		42-27	BA	11 1/2	58 30	-	-				
OTHERS AS PER PLAN											
Holds .....											
(in Hold) .....		57 17	BA	11 1/2	58 24	SEMIBOX 6'					
AFTER PEAK .....		51 27	BA	8 3/4	50 24	RECESS TOP					

		Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....					
STEM .....		STEEL	ROLLED	10 1/2 x 27/8	INDUSTRIAL STEEL
STERN FRAME { Propeller Post .....		SCRAP STEEL		11 x 9 1/4	CENTRAL MARINE ENGINEERING WORKS WEST HARTLEPOOL
{ Rudder .....		"		9 1/2 x 9 1/4	
RUDDER—A x D 180 x 4-0 .....		720	✓	-	-
Speed of Vessel ... KNOTS .....		13	✓		
RUDDER mainpiece at head .....		SCRAP STEEL		{ 13 ✓ 12 1/4 ✓ 9 1/4 ✓	DO
" " heel .....		"			"
" how constructed .....		ARMS SHRUNK ON KEYED			
" double or single plate .....		SINGLE			
" coupling, vertical or horizontal .....		VERTICAL			
		STEEL.			
Manufacturer's name or trade mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH.					
SOUTH DURHAM. DURHAM LONG. CARGO FLEET.					
Has the Steel been tested as required by the Rules? YES.					



EQUIPMENT No. 50660-97

LETTER *ct*

## 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.			
28304	1st Bower ...	85	3	14	STOCKLESS			61	10	0	0	85½	BYERS IMPROVED	—	SLD 25/7/24 LIEBRECHT
28303	2nd „ ...	84	2	21	"			61	0	0	0	85½	" "	—	" " "
28305	3rd „ ...	74	0	0	"			55	15	0	0	73½	" "	—	" 26/7/24 "
	Collective weight.	244	2	7								244½	4338825014 42923924		
30483	Stream .....	26	0	22	7	3	4	25	16	1	0	25	IRON STOCK	—	CRADTH 4/1/19 PAUL

## CHAIN CABLES.

## HAWSERS AND WARPS.

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.		
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.	Length.
13465	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.				S.P.FLEX	Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
	300	29/16	116.7	163 3/8	1004.3.18	989	300	29/16	STUD	H. WOOD	CHESTER 12/8/24 PAR SONS	S.P. TOWLINE	130	6	114	130	6	
13466	12 2/3	"	"	"	48.3.1	-	-	-	"	"	" 8/8/24 "	HAWSEY & WARPS	120	6	73	100	2 3/4	
												" S. H.	90	4	33	"	"	
From Stream Chain or Steel Wire		ein										Model 2	90	8				
	120	5 1/4		80			120	5 1/4	S. H. SPEC. FLEX			" 2	120	7				

HEMP 4 100 8'

## Steering Gear, Steam *HASTIES*

Steering Gear, Hand TACKLES TO WINCH

Boats 7

Steering Chains, Size and Test *NONE*

Windlass *CLARKE CHAPMAN & CO.*

**Ceiling in Holds,** thickness and material *BILGES ONLY*

**Cargo Battens**, thickness, material and spacing *2 1/2 W.P. 12" SEE LETTER*

**Cargo Hatchways.**—(Upper Deck) *STEEL COAMINGS SOLID COVERS*

Thickness of Hatches 3'

Size of No. 1 Hatchway (Forward)  $24-9 \times 21$  No. 2  $27-11 \times 21$  No. 3  $30-2\frac{1}{2} \times 21$  No. 4  $31-2 \times 21$  No. 5  $30-8\frac{1}{2} \times 21$  No. 6  $25-1\frac{1}{2} \times 21$

Number of **Shifting Beams** and/or **Fore** and **Afters**  $N \equiv 146 = 4$   $N \equiv 2-3-5 = 5$   $N \equiv 4 = 1$

*Builder's Signature*

GENERAL DECLARATION The materials & workmanship are good. ✓

This vessel has been built in accordance with the approved plans and  
Sundays letters, and otherwise in conformity with the Rules for the class  
contemplated. The double bottom, deep & Peak tanks have been tested to Rule.  
Forehead verified & cut in. Weather decks, Bulkheads, tunnel, "W. T. doors,  
Ash shoot, tested satisfactorily. / Dry tank also tested, no connection  
to bilges. Fore peak pump tested. /  
Vessel completing at W. Harlepool, Surveyors noted & signed to test on  
completion, Upper deck from bow opening aft to test; / Holes in upper  
deck drilled by electricians to be filled; Stand down pipe to examine when  
finished. Work left over for shipping machinery to be examined when  
completed.

The amount of Entry Fee..... £ 10: 0 : 0

Special Survey Fee.... £394: 4 : 6

Travelling Expenses, if any £

Fees applied for,

Jan 1925

Received by me,

13<sup>7</sup> Jan 1926 H.W.W.

I am of opinion the Vessel should be Classed +100#1 WITH FRE BD

State whether the Vessel has been built under Special Survey YES

*Signature*

G. D. Cushman

*Surveyor to Lloyd's Register of Shipping*

Certificate to be sent to SUNDERLAND Date of issue

Committee's Minute

FBI. 13 MAR 1925

*Character assigned*

Llys, a.s.b.P.

+ Lk 6. 3. 25-  
F. D. C. L.

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Lloyd's Register  
Foundation

010294-010294-0184<sup>2</sup>



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.)

N<sup>o</sup> 963 built at West- Hartlepool is a sister vessel.  
Letter giving answers consent- to Sparring  
2. Forging reports  
5 Casting reports  
Plan of Section

- " " Section (as built)
- " " Profile
- " " Rudder & post
- " " Wash plate & girders
- " " Deepening with fore deep tank
- " " Modification of Pillars & girders
- " " Pillars & girders
- " " Plate at top of 105 ft H<sup>o</sup>.
- " " Part of tunnel
- " " Beams at ends of 2<sup>nd</sup> & 3<sup>rd</sup> sk.
- " " Bottom strengthening
- " " Decks & topsides
- " " Pumping arrangement
- " " Rudder coupling

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

1st Bower	47.402	CB	5502	16/5/24
2nd "	48.679	CB	5697	30/5/24
3rd "	44.152	AB	5167	28/6/24

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☐ ft., R.Q.D. ☐ ft., Bridge ☐ ft., Forecastle ☐ ft. 44.8 ft.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated COMPLETE SUPERSTRUCTURE WITH TONNAGE OPENG.

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 3 DKS (ST4)

Official No. 148548 ; Signal Letters ☐

If bottom of Vessel has been coated Inside ☒ give

particulars of composition ALL BITUMASTIC EXCEPT ENGINE TANK WHICH IS CEMENTED.

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.		Where Fitted.	*Length.	
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	156	512 ✓	Fore peak tank,	24	195
Double bottom, under Engines and Boilers, ✓	36	193 ✓	After peak tank,	12	28
Double bottom, if under Engines only,	50	267 ✓	Deep tank, aft,	31	976
Double bottom, if under Boilers only, DRY ✓	186	737 ✓	Deep tank, forward,		
Double bottom, forward,		1709 ✓	Other tanks, if fitted,		
Total capacity of double bottom			(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. 5552

Date 25.9.23

Dates of Surveys held while building

1924. Jan. 31. Feb. 8, 14, 19. Mar. 3, 5, 14, 18, 24, 27. Apr. 1, 4, 8, 9, 22, 28, 29. May 6, 7, 9, 12, 13.  
14, 16, 19, 21, 23, 28, 30. June 2, 3, 4, 12, 30. July 1, 3, 4, 7, 9, 11, 15, 16, 17, 22, 25, 28, 30. Aug. 1, 7, 14, 15, 19.  
20, 22, 29. Sep. 2, 4, 5, 8, 10, 12, 16, 17, 19, 22, 23, 24, 26, 30. Oct. 2, 3, 7, 9, 10, 13, 15, 16, 17, 23, 29, 30, 31. Nov.  
3, 5, 6, 10, 11, 12, 18, 26. Dec. 5, 10, 12, 16.

Total No. of Visits 94