

## STEEL STEAMER OR MOTORSHIP.

Received at London Office 16 MAR 1949

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

Yes. NWE. 105907-16/2/49

State if Report is sent on the Machinery of the Vessel.

Yes. - NOW

Date of completion of report 10<sup>th</sup> March 1949.

Port of NEWCASTLE-on-TYNE

No. 105986

Survey held at Walker-on-Tyne

Date First Survey 29<sup>th</sup> Aug. 1946.Last Survey 4<sup>th</sup> March 1949.

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

S.S. "SHILLONG" Single screw

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

Complete superstructure with Tonnage openings

State Type of Erections on the deck.

TONNAGE under Tonnage Deck ...

7020.16

CLASS # 100 A1

State if with freeboard as condition of Class

Yes.

Built at Walker-on-Tyne

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

599.94

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

FEET 490

Launched 9<sup>th</sup> June 1948

Yard No. 104.

Total

7620.10

Breadth (greatest moulded) B 67

43.07

Builders Vickers-Armstrongs, Ltd.

Gross Tonnage

8933.68

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

RULE 42.5

Owners Peninsular + Oriental Steam Navigation Co.

Register Tonnage

4816.33

1st Longitudinal Number (L x D)

20825

Managers

(Where necessary to be entered in Reg. Book)

Residence 122, Leadenhall St. London EC3.

Port of Registry London.

If surveyed while building, afloat, or in dry dock

Building afloat &amp; in drydock.

## REGISTERED DIMENSIONS.

FEET

Length 498.3

Breadth 67.3

Depth 30.5

## 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.	34 1/2	✓	Bracket Floors, Frame		
FR. 140 ✓	FR. 140-148 = 34 1/2	✓	Reversed Frame		
from 1/2 length amidships to Collision bulkhead FR. 170	148-170 = 27	✓	Vertical Struts		
in peaks	AFT 23	✓	Centre Girder, depth and thickness amidships	48" x .58	✓ 64" B.S.
SIDE FRAMING.			top Angles	WELDED AT TOP	✓
Frame Amidships, Angle, E or F	12 3 1/2 .60	✓	bottom Angles	NONE	✓
Extends up to	15" BELOW 3RD DECK.	✓	Side Girders, No. each side and thickness	TWO - 42"	✓ 46" R. 54" R.
Reversed Frame Amidships, Angle	NONE	✓	Margin Plate depth (excl. of flange) and thickness	43" x .60	✓ 64 B.R.
Extends up to			Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6" x .50" FLAT.	✓ 60 B.S.
Depth of Framing Girder	9 3 1/2 .46	✓	Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	6" x .50" FLAT.	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	9 3 1/2 .46	✓	Gussets, spacing and scantling abaft 1/2 len. from stem	CONTINUOUS 32 1/2" x 46	✓ 54" B.S.
Second 'tween Decks, Angle, E or F	9 3 1/2 .46	✓	Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	CONTINUOUS 32 1/2" x 46	✓
Third	12 3 1/2 .60	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	77 1/2" x .48	✓ 58" IN D.F. DEEPS P.S. B.R.
from 1/2 len. for'd. to 15% len. from Stem	7 3 1/2 .825	✓	INNER BOTTOM PLATING.		
in Peaks, Angle, E or F	9 3 1/2 .44	✓	Breadth and thickness of Middle Line Strake	58" x .58	✓ 62 B.S.
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" - 5 1/4"	✓	Thickness of remainder in Holds	50" - 46"	✓ 08" IN WAY OF HATCHWAYS.
State if Frame Joggled	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 the Panting Area in accordance with the Rules and/or as approved?	Yes	✓	BEAMS.		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes	✓	Uppermost Continuous Deck, amidships in	9 3 1/2 .55	✓
SINGLE BOTTOM.			Wells, Angle, E or F		
Floors, Depth and thickness at mid-line in Holds			in way of Bridge, Angle, E or F		
Height of Brackets at side above base line at toe of frame			Spacing	34 1/2	✓
Middle Line Keelson, on Floors, Angles, E or F			Second Deck, amidships, Angle, E or F	10 3 1/2 .58	✓
Through Plate or Inter-costal Plate			Spacing	34 1/2	✓
Foundation Plate on Floors			Third Deck, amidships, Angle, E or F	10 3 1/2 .66	✓ AS APPROVED.
Flat Plate Keel Angles			Spacing	34 1/2	✓
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, E or F		
thickness of Inter-costal Plate			Spacing		
Angles			Peep Deck, Angle, E or F		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	46" .54 B.S. EVERY FR.	✓	Bridge Deck, Angle, E or F		
Are Frame and Reversed Frame joggled?	FRAME - Yes	✓	Spacing		
Bracket Floors, breadth and thickness at middle line	REV. FR. NO.	✓	Forecastle Deck, Angle, E or F	8 3 .40	✓
breadth and thickness at margin plate			Spacing	27" & 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> .....			Stringer Plate, breadth and thickness in way of Bridge .....	
„ in 'tween Decks, Size and Spacing .....			Thickness of Plating abreast Deck openings in way of Wells .....	.44 ✓
„ „ „ „ „	TWO		Thickness of Plating abreast Deck openings in way of Bridge .....	.50 ✓
„ in Holds „ „ „	WIDELY SPACED. ✓		Thickness of Plating within line of openings .....	.36 ✓
„ „ „ „ „			If Sheathed, material and thickness .....	NONE. ✓
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>	
Stiffeners and Spacing .....	NONE. ✓		Stringer Plate, breadth and thickness .....	96 ✓ .40 AND AS APPROVED.
Plating, thickness of .....			If Plated, state thickness .....	.36 .32 WITHIN OPENINGS
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>	
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness .....	
Stringer Plate, breadth and thickness in Wells .....	84 ✓ .78	AND AS APPROVED. ✓	If Plated, state thickness .....	
„ „ „ „ in way of Bridge .....			<b>Peep Deck.</b>	
„ Angle in Wells .....	6 6 .78	AND AS APPROVED. ✓	Stringer Plate, breadth and thickness .....	
Thickness of Plating abreast Deck openings in way of Wells .....		.62 ✓	Plating, Sheathing, material and thickness .....	
Thickness of Plating abreast Deck openings in way of Bridge .....		.68 ✓	<b>Bridge Deck.</b>	
Thickness of Plating within line of openings .....		.44 ✓	Stringer Plate, breadth and thickness .....	
If Sheathed, material and thickness .....	OVER CREW SPACE AFT & PORT SIDE AMIDS. 2 1/2" TEAK		Plating, Sheathing, material and thickness .....	
<b>Second Deck.</b>			<b>Forecastle Deck.</b>	
Stringer Plate, breadth and thickness in Wells .....	54 x .48	AND AS APPROVED. ✓	Stringer Plate, breadth and thickness .....	.40 AND AS APPROVED.
			Plating, Sheathing, material and thickness .....	.36 HARDWOOD 4 1/2" THK UNDER WINDLASS.

## SHELL PLATING.

SCANTLINGS.					RIVETING. AMIDSHIPS.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. NO.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	RIVETS.		No. of Rows of Rivets.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.	Diam.	
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.		Inches.	Inches.		
Flat Plate Keel.....	57 ✓	.92 ✓	.84 ✓	.84 ✓		WELDED. ✓	✓	✓				
„ Dblg. (if any)	✓											
Bottom Plating, No. of Strakes 4 ✓	89 3/4 ✓	.72 ✓	.56 ✓	.58 ✓	(A. B. C & D.) ✓	A. B. C. WELDED ✓	✓	✓				
Bilge Plating, No. of Strakes 1 ✓	95 ✓	.72 ✓	.56 ✓	.58 ✓	(E) ✓	DOUBLE ✓	7/8"	35/16" ✓				
Side Plating, No. of Strakes 3 ✓	95 ✓	.70 ✓	.52 ✓	.52 ✓	(F. G. & H.) ✓	DOUBLE ✓	7/8"	35/16" ✓				
Upper Deck, Sheer-strake in Wells.....	66 ✓	.85 ✓	.58 ✓	.52 ✓	(K) 75 AT HANSE PIPES.	DOUBLE ✓	1"	45/16" ✓				
Upper Deck Sheer-strake in Bridge ...	-	-	-	-								
Strake below Sheer-strake in Wells.....	76 ✓	.72 ✓	.52 ✓	.52 ✓	(J) ✓	DOUBLE ✓	7/8"	35/16" ✓				
Strake below Sheer-strake in Bridge ...												
Poop Side Plating.....												
Bridge Side Plating.....												
Forecastle Side Plating	✓	✓	.46 ✓		(L & M) ✓	DOUBLE TO SHEER STRAKE ✓	7/8"	4" ✓				

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c)		ONE (COLLISION.) ✓			
„ Deck next below		SIX ✓			
As per Rule		EIGHT. ✓			
		TOE WELDED STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
No 115. ✓					
MIDSHIP BULKH'D, Upper 'tween decks		27-26	4" x 3" x 34"	30"	NONE. ✓
„ „ Second „					
„ „ <del>Third</del>					
„ „ Hold { CLEAR OF DEEP TANKS		42-30	7 1/2" x 6" x 55/84"	30"	NONE. ✓
„ „ (in Hold) (170)		54-33	8" x 3 1/2" x 48 ETC.	24"	36 NON WT. FLATS 72
COLLISION „ (13)		54-32	5" x 3" x 40 ETC.	36"	24" 5 x 3 x 40 26"
AFTER PEAK „					

## FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
<b>KEEL, Bar</b>				
<b>STEM</b>	M.S. PLATES.	.76"-.56"		
<b>FABRIC SERN FRAME</b>	Propeller Post .....	M.S. 1 1/4" SHAPED PLATES &		
	Rudder .....	C.S. BOSS PIECE & HEEL PIECE		
Speed of Vessel .....		18 KNOTS. ✓		
<b>RUDDER—Type</b>	BALANCED.	(SUPPORTED AT HEAD & HEEL)		
„ A x D .....		AS APPROVED. ✓		
„ { Diam. of head .....		C.S. 14" ✓		
„ { Mainpiece at top .....		C.S. 22" ✓		
„ MAINPIECE heel	BOX SECTION MS PLATES. 1 1/4" THK			
„ how constructed	WELDED MS PLATES & STEEL CASTING			
„ double or single plate	DOUBLE .62" ✓	AS APPROVED.		
„ coupling, vertical or	VERTICAL—AS APPROVED. ✓			
„ horizontal .....				

## 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, Appleby & Rodingham, Boulton, Norman Long, Skinningrove*  
*Cargo Fleet, Lancashire S. Co., Raine, Colvilles.*  
 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.)

Sister Vessel "SURAT" Vickers-Armstrongs Ltd 42 103. Newcastle Report 105674. (19.10.48). Copies of the approved plans as per attached list are forwarded, together with forgings + castings Reports, + various certificates for fittings.

General Declaration (could) - + the screw-down valves for the tonnage well overboard scuppers have been tested + the gearing tried. The windlass + steering gear including "stand-by" arrangement have been tried under working conditions. The assigned fireboards have been cut in, painted + verified.

Oil fuel having a flash point above 150°F is carried in No. 2, 3, 4 + 5 D.B. tanks, + in deep tanks at P+S. sides frames 81 to 90, + forward of Boiler Room frs. 90 to 93, + Diesel Oil in P+S. deep tanks frs. 57 to 62.

Deep tanks (3P. 3S.) at sides of No. 3 Hold are suitable for the carriage of Cargo Oil FP above 150°F, or vegetable oil or Lard.

The Fore Peak tank is suitable for the carriage of Wood Oil, but the pump for discharging purposes has not been fitted owing to non-delivery of same.

The vessel is insulated for cargo purposes in No. 4 Hold + No. 4 lower tween decks.

No. 93 W.T. bulkhead is fitted with an opening P+S. having a hinged W.T. door for access to P+S. pipe tunnels from machinery space. The P+S. cofferdams between oil fuel + cargo oil deep tanks are fitted with an access Hatch with hinged W.T. cover on the 3rd deck. Notice plates are fitted on these doors + hatches drawing attention to keeping them closed when not in use.

Note: - Owing to the Oil bilge pump not working satisfactorily the following suction remain to be tried at London (see Aft 4A) - P+S. cofferdams aft of Diesel Oil tanks, D.B. cofferdam forward of No. 6 D.B. Centre, + P+S. cofferdams forward of Oil fuel cross bunker tanks. Owing to the After + Middle Boards, Deep Cargo Oil tanks having to be filled with water ballast before the steam heating pipes for the forward deep tank were tested, the leads for these pipes thro' the tanks remain to be tested at London.

Note: - Owing to difficulties experienced when adjusting compasses, the vessel returned to the Tyne after sea trials 4.3.49. The steering compass was removed from the vessel, + a projector compass was fitted, after which, Note - Vessel undocked on the 20th Feb. 1949. The vessel sailed 5.3.49.

PARTICULARS OF ELECTRIC WELDING (if employed) W.T. + O.T. Bulkheads; shaft tunnel + recesses; cargo pipe tunnels in No. 3 Hold; Centre girder with keel tank top centre splice + parts of floors in way; Lower parts of Fore + After Peaks; stemframe, rudder, end floors, machinery seatings beams of deep + peak tank top, deck girders + pillars, Brackets + seams of inner bottom, deep tank top + decks. All shell butts, seams of shell on flat of bottom. Floors + bilge brackets to margins, gussets to margins, hatch beams, masts, casings, deckhouses, + several items of less importance.

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

D.F. E.S.D. Gy.C. Radar. Part elec. welded.

Exterior Stern Clowds A. + C.P. One intermediate BH dispensed with. Carrying Oil FP above 150°F or vegetable oil, or Lard in No. 3 Hold P+S. wing tanks + wood oil in fore peak tank.

RADAR Equipment (State if fitted) Yes.

State Type or Pattern No. 268

State } Maker  
Name } and/or  
of } Supplier W. H. Smith.

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

1st Bower	55.1.12	J.H.V.	9170.	20.8.47.
2nd "	54.3.27	S.P.R.	9089.	18.7.47.
3rd "	55.0.0	S.P.R.	9057.	9.7.47.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated. Forecastle 51.5 ft. ON SHELTER DECK

Official No. 182960 Signal Letters GBQX Extreme Breadth over Belting NO BELTING Over-all Length 522'-0 1/2" (Circ. 1703)

No. and Material of Decks Two decks + shelter deck.

Parts of Bottom of Vessel coated with cement or approved composition No. 1, 6 + 7 DBs + No. 2 + 4 Hold bilges coated with "BAFCOR" No. 6 Centre DB, FW deeps 26-33, + After Peak coated with "BITUROS" solution + enamel.

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.	SALT Water Capacity.	Where Fitted.	Length.	SALT Water Capacity.
No. 7 & No. 6 P+S.	172.12	268	Fore peak tank,	26.8	87.
FW Double bottom, aft, under Engines and Boilers.	(63.25)	99	After peak tank,	25	120.
OF Double bottom, if under Engines only, NO. 6 CENTRE	94.88	498	Deep tank, aft, (26-33) PORT 82T. STB 63T.	20.13	145
OF Double bottom, if under Boilers only, NO. 4 & 5	166.75	793	Deep tank, forward, NO. 3 HOLD SIDES P+S. AFT MIDDLE	20.13	306
NO. 2 & 3.	52.38	62	Other tanks, if fitted, (CARGO OIL) FORE	28.75	433
NO. 1	426.13	1720			
Total length (if continuous) and Capacity					

NOTE - O.F. & F.W. TANKS NOT AVAILABLE FOR WATER BALLAST.

Order for Special Survey No. 5785

Date 2/1/46

Dates of Surveys held while building

1. 1946. AUG. 20. SEPT. 2, 11, 19. DEC. 8, 14, 30. NOV. 4, 13, 18, 19, 20. DEC. 2, 6, 11, 19, 20. JAN. 5, 23. FEB. 3, 4, 10. MAR. 2, 20, 27. APR. 2, 9, 23. MAY 2, 8, 12, 14, 20. JUNE 3, 5, 16. JULY 4, 11, 17. AUG. 18. SEPT. 2, 16, 20. OCT. 13, 28. NOV. 11, 14, 25. DEC. 1, 4, 8, 10, 12, 19, 20. JAN. 5, 20, 21. FEB. 6, 16, 20, 27. MAR. 2, 9, 12, 5, 6, 7, 12, 14, 15, 19, 20, 21, 22, 23, 26, 27, 29, 30. MAY. 3, 4, 5, 6, 7, 10, 11, 12, 19, 21, 25, 26, 27, 28. JUNE 1, 2, 3, 4, 7, 8, 9, 22. JULY 8, 16, 18, 20. AUG. 27. SEPT. 6, 14, 15, 16, 21, 23, 30. OCT. 4, 6, 13, 21, 22. NOV. 1, 12, 16, 26, 30. DEC. 3, 6, 7, 9, 17. 1947. JAN. 5, 7, 13, 14, 17, 21, 26, 28, 31. FEB. 2, 3, 4, 7, 8, 9, 14, 15, 16, 17. 1948. JAN. 20, 21, 22, 23, 24, 25, 28. MAR. 2, 4, 18.

Total No. of Visits 158