

STEEL STEAMER ~~OF MOTORSHIP.~~

Received at London Office 23 JUN 1927

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

17 June 1927

Port of *Newcastle-on-Tyne*No. *81484*Survey held at *Walker-on-Tyne*

Date First Survey

3 Feb

Last Survey

13 June

1927

On the

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

Twin Screw Steamer "JUNA"

machinery amidships

State Type

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

Cargo Steamer carrier

State Type of Erections

Pop. Bridge Side.

TONNAGE under
Tonnage Deck

1632.24

CLASS *+100A1*State if with freeboard
as condition of Class*Yes*
FEET.Built at *Walker-on-Tyne*Launched *16 May 1927* Yard No. *1230*Builders *Messrs. Swan Hunter & Wigham Richardson*Owners *British India Steam Navigation Co. Ltd.*

Managers

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

Residence

Port of Registry

London

If surveyed while building, afloat, or in dry dock

*Special Survey*Do. of space or spaces
between Tonnage Dk.
and Upper Dk.

Total

Tonnage

2189.69

Net Tonnage

905.23

REGISTERED DIMENSIONS.

FEET.

Length

280.0

Breadth

43.65

Depth

18.8

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

L 280.0

Breadth (greatest moulded)

B 43.5

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

D 21.0

1st Longitudinal Number (L x D)

= 5880

2nd Numeral L x (B + D)

= 18060

Framing Depth "d," at middle of length. See
Sec. 3 (1d)11.33 aft Hold
18.66 E & B Space
10.66 Main & Fore HoldProportions—Depth to Length—Uppermost con-
tinuous deck to top of keel

13.3

Do. Long Bridge to top
of keel

9.8

Draught Moulded

17' 6"

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.
AMES, Spacing amidships	24		Bracket Floors, Frame	6 3 43	
" " from 1/2 length to Collision bulkhead	24		" " Reversed Frame	6 3 36	
" " in peaks	24		" " Vertical Struts	6 3 36	
E. FRAMING.			Centre Girder, depth and thickness amidships	35 x 44	
Frame Amidships, Angle, E or [	N.B.S. 8 3 40	Engine space After Hold 6 3 x 306 Main & Fore Hold	" " top Angles	Double 3 3 42	
" " Extends up to	6 3 42	Upper Deck	" " bottom Angles	3 3 46	
Reversed Frame Amidships, Angle	6 3 46	N.B.S. 6 3 x 315	Side Girders, No. each side and thickness	One 34	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	24 x 40	
Depth of Framing Girder			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 3 34	
Frames in Uppermost Continuous Deck, Decks, Angle, E or [	6 3 32	N.B.S. 5 x 3 x 345	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	3 3 34	
" " Second 'tween Decks, Angle, [or [			" " Gussets, spacing and scantling abaft 1/2 len. from stem	By 3" in 18" space By 2" in 12" space	
" " Third " " "			" " Gussets, spacing and scantling forward 1/2 len. from stem	By 3"	
Framing in Peaks, Angle or [	N.B.S. 6 3 325	5 1/2 x 3 34	Tank Side Brackets, height above base line at toe of Frame and thickness	50 x 35	
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships			INNER BOTTOM PLATING.		
State if Frame Joggled	Yes		Breadth and thickness of Middle Line Strake	44 x 45	44 x 40
STRENGTHENING ARRANGEMENTS (Sec. 7), state system and particulars	Side Stringer 5 x 3 x 42 No. 2 at fore end.		Thickness of remainder in Holds	3/4 increased .08 under Hatchways	
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars	Full height intercostal at fore end Frame Angle 5 x 5 x 40 Gussets 3" frame.		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	
DOUBLE BOTTOM.			Uppermost Continuous Deck amidships	8 3 35	7 1/2 x 3 x 40
Floors, Depth and thickness at mid-line in Holds			" " in Wells, Angle, E or [	8 3 48	8 1/2 x 3 x 395
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [or [
Middle Line Keelson, on Floors, Angles, [or [			Spacing	On alternate frames	
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle, E or [	8 3 53	
" " Foundation Plate on Floors			Spacing	On alternate frames	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [or [
Side Keelsons, No. each side			Spacing		
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, [or [
" " Angles			Spacing		
POOP DECK.			Poop Deck, Angle, [or [
Solid Floors, thickness and spacing	3/4 Alternate frames		Spacing		
" " Are Frame and Reversed Frame joggled?	Yes		Bridge Deck, Angle, E or [	8 3 44	
Bracket Floors, breadth and thickness at middle line	2 3 x 34		Spacing	Alternate frames	
" " breadth and thickness at margin plate	34		Forecastle Deck, Angle, E or [	8 3 35	7 1/2 x 3 x 33
			Spacing	Alternate frames	

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	two										
" in tween Decks, Size and Spacing.....	2 1/2 dia. @ 48 spacing										
" in bridge beam " " " " " "	2 7/8 @ 48										
" in Holds " " " " " "	10 x 43 square pillars widely spaced										
Centre Line Bulkhead.											
Stiffeners and Spacing.....											
Plating, thickness of											
STRINGERS AND DECKS.											
Uppermost Continuous Deck.											
Stringer Plate, breadth and thickness in Wells.....	45 x 44										
" " " " in way of Bridge.....	45 x 34										
" Angle in Wells	5 5 44										
Thickness of Plating abreast Deck openings in way of Wells	32 Shear										
Thickness of Plating abreast Deck openings in way of Bridge	30 Shear										
Thickness of Plating within line of openings.....	30										
If Sheathed, material and thickness	2 1/2 inch sheath & 4 feet										
Second Deck.											
Stringer Plate, breadth and thickness in Wells.....	44 x 38										
Stringer Plate, breadth and thickness in way of Bridge.....											
Thickness of Plating abreast Deck openings in way of Wells											
Thickness of Plating abreast Deck openings in way of Bridge											
Thickness of Plating within line of openings.....											
If Sheathed, material and thickness											
Third Deck.											
Stringer Plate, breadth and thickness.....											
If Plated, state thickness.....											
Fourth Deck.											
Stringer Plate, breadth and thickness.....											
If Plated, state thickness											
Poop Deck.											
Stringer Plate, breadth and thickness	34 x 36										
Plating, Sheathing, material and thickness	30 in way across										
Bridge Deck.											
Stringer Plate, breadth and thickness.....	47 x 34										
Plating, Sheathing, material and thickness	30										
Forecastle Deck.											
Stringer Plate, breadth and thickness.....	27 x 32										
Plating, Sheathing, material and thickness	34										

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.		Diam.	Spacing cr. to cr.		
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		Inches.
FLAT PLATE KEEL	44	.59 ✓	.55 ✓	.55 ✓	✓	Double	7/8	3 1/2	3 FOR	7/8	3 1/2	Lapped.	
„ DELG. (if any)	✓												
BOTTOM PLATING, No. of Strakes .....3.....	✓	.47 ✓	.40 ✓	.40 ✓	✓	„	3/4	3	3 for 1/2 L	3/4	2 5/8	„	
BILGE PLATING, No. of Strakes .....1.....	✓	.47 ✓	.40 ✓	.40 ✓	✓	„	„	„	„	„	„	„	
SIDE PLATING, No. of Strakes .....1.....	✓	.46 ✓	.40 ✓	.40 ✓	✓	„	„	„	„	„	„	„	
UPPER DECK, Sheer-strake in Wells.....	62	.62 ✓	.40 ✓	.40 ✓	✓	„	7/8	3 1/2	4 for 1/2 L	7/8	3 1/2	„	
UPPER DECK, Sheer-strake in Bridge ...	✓	.46 ✓	-	-	✓	„	3/4	3	3 rows	3/4	2 5/8	„	
STRAKE BELOW Sheer-strake in Wells.....	73	.52 ✓	.40 ✓	.40 ✓	✓	„	7/8	3 1/2	3 for 1/2 L	7/8	3 1/2	„	
STRAKE BELOW Sheer-strake in Bridge ...		.46 ✓			✓	„	3/4	3	3 rows	3/4	2 5/8	„
POOP SIDE PLATING .....				.33	✓	Single	„	„	one	„	„	„
BRIDGE SIDE PLATING ...	with stake	.46 ✓			✓	Double	„	„	4 for 1/2 L	„	3	„	
FORE'LE SIDE PLATING			.35		✓	Single	„	„	one	„	2 5/8	„	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c).....

" Deck next below.....

As per Rule.....

STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD					
Upper tween decks.....	.26	4 1/2 x 3 x 30"			
" " Second ".....					
" " Third ".....					
" " Holds .....	.28-.36	6 x 3 x 58 3/4"			
COLLISION " (in Hold) .....	.30-.38	5 x 3 x 38 L 2 1/2"			
AFTER PEAK " ".....	.30-.43	5 x 3 x 34 L 2 1/2"			

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	Flat plate keel			
STEM	Roller steel	7 x 2 7/8	Fordingham	
STERN FRAME { Propeller Post.....	all first forging	7 x 3	N.V. Lillton Rotterdam	
{ Rudder ".....				
RUDDER—A x D	Balanced type			
Speed of Vessel	12 knots			
RUDDER mainpiece at head		6 5/8		
" " heel		4	N.V. Lillton Rotterdam	
" how constructed	Forged steel			
" double or single plate	Single 95			
" coupling, vertical or horizontal.....	horizontal			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

South Durham Steel Co. / Lankshire, Rolokow Vaughan, Corsett, Dorman Long, Lloyds Register
Raine, Steel Co. of Scotland, Cargo Fleet.

Has the Steel been tested as required by the Rules?

EQUIPMENT No. 19763										LETTER S		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.				
29917	1st Bower ...	39	0	14	Stockless			35	4	0	7	Collective Wt. as approved	Byers Improved	-	Sunderland 14.4.27 W. Butler
29918	2nd " ...	38	3	14	"			35	0	3	21		ditto	-	" 14.4.27 "
29916	3rd " ...	32	3	7	"			30	15	2	14		ditto	-	" 14.4.27 "
	Collective weight.	110	3	7								✓ 110 - Cwts.			
60159	Stream	10	1	18	2	2	14	12	6	2	7	10 cwt. 4 Stock	Rodgers	Samuel Taylor (Hawthorn, 422)	12.4.27 W.A. Brydall

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.	Ins.	Tons.	qrs.	lbs.	Length.	Diam.				Fathoms.	Ins.	Tons.	qrs.	lbs.	Length.	Diam.		
61715	240 6	1 13/16	59 8	82 3/4	400 - 2	397 3/4	240	1 13/16	Stockless	Samuel Taylor (Hawthorn, 422) 12.4.27 W.A. Brydall	40 11/16	6	53	70	4	20 90	7	10 6	6
Stream Chain - Steel Wire	75	4 1/4	-	35	-	-	75	4 1/4											

Steering Gear, Steam *Hastie & Co* Steering Gear, Hand *Tackle to which*

Boats *Six* Steering Chains, Size and Test *none* Windlass *Steam*

Ceiling in Holds, thickness and material *✓* Cargo Battens, thickness, material and spacing *6 x 2 w.w. 9" apart*

Cargo Hatchways. (Upper Deck) *Usual Construction plates & angles* Thickness of Hatches *Nº 1 15 2 upper 5th 3 1/2 & Nº 3 2 1/2"*

Size of No. 1 Hatchway (Forward) *14' x 12'* No. 2 *20' x 12'* No. 3 *20' x 12'* No. 4 *-* No. 5 *-* No. 6 *-*

Number of Shifting Beams and/or Fore and Afters *Nº 1 Hatch 2 webs. Nº 2 & 3 Hatches 3 webs. No fore & afters.*

FOR SHAW, MUNTER & WIGHAM RICHARDSON, LTD.

Builder's Signature

R.H. Winstanley

SECRETARY

GENERAL DECLARATION This vessel has been constructed in accordance with the approved plans, the Secretary's letters and in general conformity with the Society's Rules for the Class Contemplated. The material and workmanship are good.

The weather decks, bulkheads, tunnels, tunnel escape, W.T. door, Cargo doors & side lights in shell have been tested and found satisfactory.

The double bottom tanks, fore & after peak tanks, oil fuel bunkers & settling tanks and cargo oil tank have all been tested as required by the Rules & found satisfactory.

The freeboard markings have been cut-in on the vessel's sides & verified in accordance with the Secretary's letter of assignment.

The hand pumps to aft-peak & fore-peak tank tops, the down-tension pumps & the W.T. door have been tested & found in good working order.

The requirements of Section 35 of the Rules for the Carriage of oil fuel in the bunkers & cabin of the double bottom tanks have been complied with.

The amount of Entry Fee £ 6 : - Fees applied for, *2 JUNE 1927*

Special Survey Fee.... £ 184 : 10 : - we are of opinion the Vessel should be Classed ** 100 A-1.*

Freeboard £ 6 - 8 - 4 Received by me, *22/6/27* *With freeboard.*

Travelling Expenses, if any £ : : *22/6/27*

State whether the Vessel has been built under Special Survey *Yes* Signature *W.A. Brydall & A.T. Aker*

Certificate to be sent to *NEWCASTLE-ON-TYNE* Date of issue *28/6/27* Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Character assigned

+ 100 A-1. With Freeboard

Lloyd's A.C.P.

+ L.M.C. 6:24

F.S. C.L.

Fitted for Oil Fuel 6:24 T.P. about 150%

M.H.

R

© 2020

Lloyd's Register Foundation

W48-0144 (2/2)

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 the Plans should be embodied.)

The approved plans (25 in number) are sent herewith (including Mast, Sec. Profile).
There are no duplicate vessels.

A Board of Trade foreign going passenger Certificate is being supplied for 22 passengers.

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

1st Bower	wt. of Head	22.3.21	including pins	25.1.21	K. House No	4389	4.3.21
2nd "	"	22.3.1	"	25.1.0	"	4459	21.3.21
3rd "	"	17.2.27	"	19.2.21	"	4467	21.3.21

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 32 ft., R.Q.D. ✓ ft., Bridge 86 ft., Forecastle 30

(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated. The poop & bridge decks are joined but there are separate bulkheads at poop front and bridge end.

No. and Material of Decks (this information is to be given as it should appear in the Register Book). 1 deck (per sec) 5 spec. dk. 88.

Official No. 149,848 ; Signal Letters.

Is bottom of Vessel coated with cement. Yes & safe way oil fuel. If not perhe

particulars of composition.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Ca Ton
Double bottom, aft,	42 ✓	38 S.4.	Fore peak tank,	18	16 2
Double bottom, under Engines and Boilers, Feed Tanks	24 ✓	47 S.4.	After peak tank,	24	41
Double bottom, if under Engines only,			Deep tank, aft,	8	(61 S.
Double bottom, if under Boilers only,	oil fuel 102 tons (14 S.4.)	46 ✓	Deep tank, forward,	31 tons	22 (346 S
Double bottom, forward,	104 ✓	156 S.4.	Other tanks, if fitted,	Settling tanks (64-67 ft.)	37 tons 6' (41 S
Total capacity of double bottom		241 tons	(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. 5217

Date. 24.3.27

Dates of Surveys held while building

1927 Feb. 3. 11. 14. 25. Mar. 3. 11. 21. 22. 25. 29. Apr. 12. 13. 14. 20. 21. 22. 26. 28. May 5. 11. 14. 16. 18. 19. 24. 30. June 1. 3. 7. 8. 10. 13.



Lloyd's Register Foundation

Total No. of Visits

342