

STEEL STEAMER

Received at London Office

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 1st JANUARY 1949

Port of SOUTHAMPTON

No. 19617

Survey held at PORTSMOUTH

Date First Survey 7th JulyLast Survey 27th Sept 1948

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

SINGLE SCREW STEAMER "WAVE KING" (MACHINERY AFT)

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

FULL SCANTLING

State Type of Erections POOP, BRIDGE & F.C.L.E.

TONNAGE under 7016

Tonnage Deck ...

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

Gross Tonnage 8159

Register Tonnage 4545

REGISTERED DIMENSIONS.

FEET

Length 473.8 (493)

Breadth 64.3

Depth 35.4

CLASS 100 A1

State if with freeboard No

CARRYING PETROLEUM IN BULK as condition of Class

LONGITUDINAL FRAMING AT BOTTOM & AT DECK.

BUTTS OF SHELL & UPPER DECK E.W.

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

L 465'-0"

Breadth (greatest moulded) B 64'-0"

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

D 35'-6"

1st Longitudinal Number (L x D) = 16 100

2nd Numeral L x (B + D) = 45 860

Framing Depth "d," at middle of length. See Sec. 3 (1d)

Proportions—Depth to Length—Uppermost continuous deck to top of keel

13.10

Do. Long Bridge to top of keel

✓

Draught Moulded 28'-4½"

Built at GLASGOW

Launched 1944

Yard No. 1222

Builders HARLAND & WOLFF LTD.

Owners ADMIRALTY

Managers

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry LONDON

If surveyed while building, afloat, or in dry dock

AFLOAT & IN DRY DOCK.

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" 30"	✓	Bracket Floors, Frame	✓	
" " from ½ length amidships to Collision bulkhead.....	33" 27"	✓	" " Reversed Frame.....	✓	
" " in peaks	24"	✓	" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness M.S. amidships	47" x 54" 48"	
Frame Amidships, Angle, E or F	11" 3½" 44"	✓	" " top Angles D	3½" 3½" 48"	
" " Extends up to.....	UPPER DECK	✓	" " bottom Angles D	4" 4" 58"	
Reversed Frame Amidships, Angle	✓		" " M.S.	2 @ 42" & AS PER PLAN	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder.....	11"	✓	" " Vertical Angle to Tank side Bracket abaft ¼ len. from stem	TANK TOP LEVEL	✓
Frames in Uppermost Continuous 'tween POOP Decks, Angle, E or F	7" 3" 38" EVERY.	✓	" " Vertical Angle to Tank side Bracket from forward ¼ len. from stem to Panting Area	TO MARGIN ANGLE	✓
" " Second 'tween Decks, Angle, E or F	SCARPHED TO MAIN FRAME	✓	" " Gussets, spacing and scantling abaft ¼ len. from stem.....	IN MACHINERY SPACE	✓
" " Third	✓		" " Gussets, spacing and scantling from forward ¼ len. from stem to Panting Area	✓	
" " from ½ len. for'd. to 15% len. from Stem	0" 3½" 38"	✓	Tank Side Brackets, height above base line IN M.S. at toe of Frame and thickness	3'0" x 44" ABOVE TANK TOP	✓
" " in Peaks, Angle, E or F	0" 3½" 38"	✓	INNER BOTTOM PLATING. M.S.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" @ 48"	✓	Breadth and thickness of Middle Line Strake...	52"	✓
State if Frame Joggled.....	YES	✓	Thickness of remainder in Holds M.S.	52"	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	SIDE STRINGERS & WEB 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	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	STRG & BEAMS IN FORE PEAK	✓	BEAMS. IN WAY OF MACHINERY SPACE		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, E or F	9" 3½" 40" EVERY	✓
Floors, Depth and thickness at mid-line in Holds.....	48" x 40"	✓	" " in way of Bridge, Angle, E or F	8" 3" 38" EVERY	✓
Height of Brackets at side above base line at toe of frame.....	6'-0" BELOW No 3 STRINGER	✓	Spacing	LONG BEAMS IN WAY OF OIL TANKS. (SEE SEPARATE SHEET)	
Middle Line Keelson, on Floors, Angles, E or F	6 BHD. FORWD. 149 FR.	✓	Second Deck, amidships, Angle, E or F	7" 3" 40"	✓
IN CARGO TANKS			O.T. FLAT FORWARD	27"	✓
Through Plate or Inter-costal Plate	48" x 42"	✓	Spacing	✓	
" " Foundation Plate on Floors	10" x 50" FLAT	✓	Third Deck, amidships, Angle, E or F		
" " Flat Plate Keel Angles	E.W. ON TOP OF VERT. KEEL	✓	Spacing.....		
Side Keelsons, No. each side.....	E.W. DIRECT TO F.P.K.	✓	Fourth Deck, amidships, Angle, E or F		
" " thickness of Inter-costal Plate.....	FORE & AFT BULKDS (P&S)	✓	Spacing.....		
" " Angles			Poop Deck, Angle, E or F	9" 3½" 375"	✓
DOUBLE BOTTOM. IN ENGINE ROOM			Spacing.....	EVERY	✓
Solid Floors, thickness and spacing EVERY	42" @ 30"	✓	Bridge Deck, Angle, E or F	LONGITUDINAL BEAMS (SEE SEPARATE SHEET)	
" " Are Frame and Reversed Frame joggled?	FRAMES ONLY	✓	Spacing.....		
Bracket Floors, breadth and thickness at middle line	✓		Forecastle Deck, Angle, E or F	9" 3½" 375"	✓
" " breadth and thickness at margin plate.....	✓		Spacing.....	EVERY.	✓

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				
" in 'tween Decks, Size and Spacing					Thickness of Plating abreast Deck openings in way of Wells				
CENTRE LINE BULKHEAD IN DEEP TANK FORWARD					Thickness of Plating abreast Deck openings in way of Bridge				
VERTICAL PLATING					Thickness of Plating within line of openings...				
STIFFENERS					If Sheathed, material and thickness.....				
" in Hold					Third Deck.				
LONGITUDINAL O.T.					Stringer Plate, breadth and thickness.....				
Centre Line Bulkhead.					If Plated, state thickness				
Stiffeners and Spacing					Fourth Deck.				
STIFFENERS AT PANEL JOINTS					Stringer Plate, breadth and thickness.....				
Plating, thickness of					If Plated, state thickness.....				
STRINGERS AND DECKS.					Poop Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....				
Stringer Plate, breadth and thickness in Wells					BUTTS & SEAMS E.W. SINGLE VEE.				
DECK & STRINGER PLATE BUTTS E.W.					Plating, Sheathing, material and thickness				
AT BREAK OF POOP &, in way of Bridge					Bridge Deck.				
" Angle in Wells					Stringer Plate, breadth and thickness.....				
Thickness of Plating abreast Deck openings in way of Wells					BUTTS & SEAMS E.W. SINGLE VEE				
Thickness of Plating abreast Deck openings in way of Bridge.....					Plating, Sheathing, material and thickness				
Thickness of Plating within line of openings...					Forecastle Deck.				
If Sheathed, material and thickness.....					Stringer Plate, breadth and thickness.....				
Second Deck. O.T. FLAT FORWARD					BUTTS E.W. SINGLE VEE				
Stringer Plate, breadth and thickness in Wells					Plating, Sheathing, material and thickness...				

SHELL PLATING.

SCANTLINGS.					RIVETING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			ALL BUTTS. E.W.					
	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.....	53½"	1.00"	.84"	.84"		2 ✓	1⅛"	4½"	DOUBLE VEE					
	END BUTTS OF SHELL PLATING													
„ Dblg. (if any)						✓								
Bottom Plating, No. of Strakes 4		.76"	.51"	.63"		2 ✓	7⁄8"	3⅜"	SINGLE VEE & SEALING RUNS					
Bilge Plating, No. of Strakes 1		.72"	.51"	.63"		2 ✓	7⁄8"	3⅜"	" " " " "					
Side Plating, No. of Strakes 3	80½"	.66"	.48"	.48"		2 ✓	7⁄8"	3¼"	" " " " "					
Upper Deck, Sheer- strake in Wells.....	81"	.92"	.48"	.48"		1 ✓	¾"	3"	{ DOUBLE VEE FOR ½ L Ø SINGLE VEE & SEALING RUNS AT E					
Upper Deck, Sheer- strake in Bridge ..		1.10 AT POOP BREAK				✓			{ " " " " "					
		1.10 AT BRIDGE ENDS												
Strake below Sheer- strake in Wells.....	81"	.72"	.48"	.48"		2 ✓	1"	3¾"	SINGLE VEE & SEALING RUNS					
Strake below Sheer- strake in Bridge ..		.72"				2 ✓	1"	3¾"	" " " " "					
				.50" PF		1 ✓	¾"	3"	" " " " "					
Poop Side Plating.....				.40"										
		.50 ENDS												
Bridge Side Plating.....		.44"					FITTED IN ONE PLATE "							
Forecastle Side Plating	2 STRAKES	.44"				1 ✓	¾"	3"	" " " " "					

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c) 15 TO UPPER DECK. ✓					
Deck next below ONE EXTENDS TO SECOND DECK					
As per Rule ✓					
UNIONMELT WELDING OF "PLATING TO BULB TEE SECTION T IN MAIN CARGO TANKS.		Plating Thickness. → .43" .28" 46"-33" .30" 44"-30"	STIFFENERS.		
			VERTICAL.		
		Scantlings.	Spacing.	HORIZONTAL.	
				Scantlings.	Spacing.
CENTRE TANKS FULL DEPTH			10"x40"x5"x72"@ 33"	2'-10"x42"	9'-3"
MIDSHIP BULKH'D, Upper 'tween decks			UPPER STRINGER	12"x58" FLAT E.W. FACE	
WING TANKS FULL DEPTH			LOWER	3'-1"x42"	11'-0" ABOVE
" " Second			10"x40"x5"x72"@ 33"	12"x66" FLAT E.W. FACE	
" " Third			UPPER STRINGER	2'-9"x40"	9'-3"
" "					

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar FLAT PLATE				
STEM 10 1/2" x 2 1/2"				
STERN FRAME				
Speed of Vessel				
RUDDER—Type				
A x D.				
Diam. of head				
Mainpiece at top pintle				
heel				
how constructed				
double or single plate				
coupling, vertical or horizontal				
STEEL BOLTS				
STEEL				

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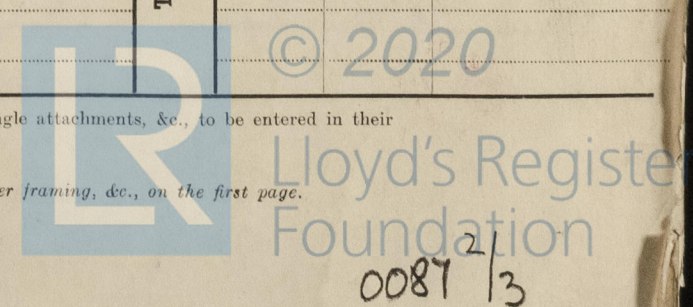
Rpt. 1*

"WAVE KING" PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.					
		In Ship.			In Ship.				Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.		
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Diam. Ins.	Speng. Ins.		Number.	Diameter. Inches.	
ing of E, L & E														
es in Bridge 'tween Decks C		7"	3"	3/8"					3/4"	4 1/2"			7	7/8"
es from Uppermost Continuous Deck No. 1														
" 2														
" 3														
" 4 TRANSVERSE														
" 5 FRAMING														
" 6 AT														
" 7 SIDES														
" 8														
" 9														
UT BOARD C " 10		12" x .44" x 3 1/2" x 3 1/2" x 60"							7/8"	5"	13 @ 3 1/8" BHD.		E.W.	
ASS. C " 11		17" x .50" x 4" x 4" x 68"					HEEL OF BARS E.W. FOR 5'-6" FROM BHD.		7/8"	5"	13 @ 3 1/8" TRANS.		E.W.	
ONGITUDINALS C " 12		"					EACH END IN LIEU OF BACK BARS,		"	"	"		"	
ON C " 13		"					EXCEPT NO 6 CENTRE TANK.		"	"	"		"	
OTTOM C " 14		"					WITH 3 1/2" x 3 1/2" x .44" BACK BARS		"	"	"		"	
VLY C " 15		"					IN NO 6 CENTRE TANK FRG. 134-147		"	"	"		"	
C " 16		"							"	"	"		"	
Spacing of longitudinal Frames		Amidships	33"											
		At Ends	33"											
Tank Top Longitudinals														
Bottom														
g of Longitudinals		Amidships												
		At ends...												
Transverses.														
Depth and Thickness		15" x .38"												
Face Angles		3" 3" .38"												
Lugs to Shell		3 1/2" 3 1/2" .38"							3/4"	3 1/8"				
Depth and Thickness		37 1/2" x .42"												
Face Angles		6" 3 1/2" .64" OA												
Lugs to Shell		3 1/2" 3 1/2" .42" OA							7/8"	4 7/8"				
48" x .44" CENTRE							OA AT BILGE & TOP SIDE							
Depth and Thickness		45" x .44" SIDES												
Face Angles		6" 3 1/2" .62" CENTRE												
Lugs to Shell		6" 3 1/2" .64" SIDES							7/8"	4"				
Back Bars		3 1/2" 3 1/2" .44"					AT LONG BHD. & BILGE		7/8"	4 3/8"				
Brackets		5'-0" x 5'-3" x .44" 6" FLANGE & 3 1/2" .44" FLAT E.W. (STIFFS)												
Spacing of Transverse Frames		12 x 3 1/2" x 3 1/2" x .44" 50" C" AT EACH CORNER												
		13'-9" 11'-0" 13'-9"												
		BHD. TRANS TRANS BHD.												
Longitudinal		Bridge Deck	6"	3"	.34"			Spacing. 36" & 33"						
ms of		Upper	9"	3 1/2"	.44"		IN WAY OF CARGO TANKS	33"						
or		Second												
Third														

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, &c., to be entered in their respective places provided for on the Report Forms.

NOTE.—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, &c., on the first page.



ANCHORS.

HAWSERS AND WARPS.

Iron Stream
Chain or
Steel Wire

Builder's Signature

Fuel oil (F.P. above 150°F) carried in forward deep tanks, deep tank aft of bunker, two settling tanks and double bottom tank under engines. This ship was built under the Survey of the British Corporation Register. The scantlings, arrangements and equipment as shown on the plans have now been verified and a Survey in accordance with the requirements of the Rules for the Classification of Vessels Not Built under Survey have now been satisfactorily completed. The Foreward Markings have been cut in and verified.

0087 3/2

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 a List of the Plans should be embodied.)

PARTICULARS OF ELECTRIC WELDING (if employed) RUDDER, ALL SHELL AND UPPER DECK BUTTS, UPPER DECK SEAMS IN WAY OF CASINGS AFT, FORECASTLE DECK BUTTS, POOP & BRIDGE DECK BUTTS AND SEAMS. STRINGERS TO BULKHEADS & SIDE SHELL IN CARGO TANKS, LONGITUDINAL AND TRANSVERSE BULKHEADS IN MAIN CARGO TANKS (BHDS. 54 TO 147). E.W. DIRECT TO SHELL AND UPPER DECK. E.R. & B.R. TANK TOPS.

SPECIAL NOTATIONS :—Either as part of the vessel's class or for record in the Register Book. DIRECTION FINDING APPARATUS, ECHO SOUNDING DEVICE, GYRO COMPASS. BUTTS & SEAMS OF KEEL & SHELL PLATING WELDED.

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	46 - 1 - 0	G. H. B.	320	27-3-44
	2nd "	46 - 0 - 10	G. H. B.	319	27-3-44
	3rd "	47 - 0 - 0	A. E. G.	12	25-2-48.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 122 ft., R.Q.D. ft., Bridge 44 ft., Forecastle 48.75 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated. Official No. 169897 Signal Letters GSNX Extreme Breadth over Belting 64'-0" Over-all Length 492'-5" (Circ. 1611) (Circ. 1703) No. and Material of Decks 1 DK. (STL) Parts of Bottom of Vessel coated with cement or approved composition No Particulars of composition (if fitted) and of approval CEMENT IN FORE & AFT PEAKS & E.R. WELL { CEMENT WASH IN F&A PEAKS COFFERDAMS & F.W. TANKS

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.	SALT Tons		Feet.	SALT Tons
Double bottom, aft,	NONE	✓	Fore peak tank,	24.75	58.5
Double bottom, under Engines and Boilers,	NONE	✓	After peak tank, FEED WATER	16.00	122.6
Double bottom, if under Engines only, F.W. OVERFLOW O.F. 28'-6"	47.5	59	Deep tank, aft, FEED WATER	22.50	155.6
Double bottom, if under Boilers only, SEE DEEP TANK	✓		Deep tank, forward, NO 1 31'-5" = 596.2 NO 2 18'-0" = 191.9	49.50	788.1
Double bottom, forward,	NONE		Other tanks, if fitted, DEEP TANK UNDER BOILER	27.50	286.6
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No. _____ Date _____

Dates of Surveys held while building { _____

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Total No. of Visits 24