

STEEL STEAMER ~~MOTORSHIP~~

Received at London Office 31 JUL 1925

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 *30/7/25* Port of *NEWCASTLE* No. *79452*
Survey held at *Newcastle-on-Tyne* Date First Survey *23 July* Last Survey *29 July* 19 *25*On the *Steel single screw "WAIPAH"* (machinery amidships)State Type *Complete superstructure (No tonnage opening)* State Type of Erections *Forecastle*TONNAGE under Tonnage Deck *1620.9* CLASS *100A1* State if with freeboard as condition of Class *Yes* Built at *Howdon-on-Tyne*Do. of space of 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 239.5* Launched *21st May 1925* Yard No. *388*Breadth (greatest moulded) *B 37.27* Builders *Northumberland S.R. Co. Ltd.*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 24.0* Owners *Union S.S. Co of New Zealand Ltd.*Total Gross Tonnage *1782.67* Register Tonnage *1018.68* 1st Longitudinal Number (L x D) *= 5748* Managers *Wellington N.Z.*REGISTERED DIMENSIONS. FEET. Framing Depth "d," at middle of length. See Sec. 3 (1d) *13.25* Residence *Wellington N.Z.*Length *240.3* Proportions—Depth to Length—Uppermost continuous deck to top of keel *9.98* Port of Registry *Wellington*Breadth *37.5* Do. Long Bridge to top of keel *16' 8"* If surveyed while building, afloat, or in dry dock *Yes*Depth *22.0* Draught Moulded *16' 8"*

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	25		Bracket Floors, Frame	6 3 40	
" " from 1/2 length to Collision bulkhead	25		" " Reversed Frame	5 1/2 3 40	
" " in peaks	24		" " Vertical Struts	5 1/2 3 40	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	33 44	
Frame Amidships, Angle, <i>E or F</i>	7 3 32		" " top Angles <i>single</i>	3 3 41	
" " Extends up to <i>Upper and 2nd decks alternately and as approved.</i>			" " bottom Angles <i>single</i>	3 1/2 3 1/2 45	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	One 33	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	2 1/2 39	
Depth of Framing Girder	7		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3 3 33	<i>as approved</i>
Frames in Uppermost Continuous 'tween Decks, Angle, <i>E or F</i>	3 3 32	<i>as approved</i>	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	4 1/2 4 1/2 33	
" " Second 'tween Decks, Angle, <i>E or F</i>			" " Gussets, spacing and scantling abaft 1/4 len. from stem	- - -	
" " Third " " "			" " Gussets, spacing and scantling forward 1/4 len. from stem	- - -	
Framing in Peaks, Angle, <i>E or F</i>	5 1/2 3 36		Tank Side Brackets, height above base line at toe of Frame and thickness	51	
Diameter and Spacing of Rivets through Shell Plating	3/4 spaced 5 1/4		INNER BOTTOM PLATING.		
State if Frame Joggled	no		Breadth and thickness of Middle Line Strake	72 36	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>Deep bulk angle frames in conjunction with side stringers</i>		Thickness of remainder in Holds	34	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>Double frames extra intercostals and shell plating carried out midships thickness etc.</i>		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?	<i>Yes</i>	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships	5 3 38	
Height of Brackets at side above base line at toe of frame			" " in Wells, Angle, <i>E or F</i>		
Middle Line Keelson, on Floors, Angles, <i>E or F</i>			" " in way of Bridge, Angle, <i>E or F</i>		
" " Through Plate or Intercostal Plate			Spacing	25	
" " Foundation Plate on Floors			Second Deck, amidships, Angle, <i>E or F</i>	7 3 36	
" " Flat Plate Keel Angles			Spacing	25	
Side Keelsons, No. each side			Third Deck, amidships, Angle, <i>E or F</i>		
" " thickness of Intercostal Plate			Spacing		
" " Angles			Fourth Deck, amidships, Angle, <i>E or F</i>		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	<i>3/4 spaced 75</i>		Poop Deck, Angle, <i>E or F</i>		
" " Are Frame and Reversed Frame joggled?	<i>no</i>		Spacing		
Bracket Floors, breadth and thickness at middle line	<i>24 3/4 34</i>		Bridge Deck, Angle, <i>E or F</i>		
" " breadth and thickness at margin plate	<i>24 3/4 34</i>		Spacing		
			Forecastle Deck, Angle, <i>E or F</i>	6 3 32	
			Spacing		

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.....	✓	One	✓	Stringer Plate, breadth and thickness in way of Bridge	-	-	
" in 'tween Decks, Size and Spacing.....	✓	2½ spaced 50	✓	Thickness of Plating abreast Deck openings) in way of Wells	✓	- 30	✓
" " " " " "	-	- -	✓	Thickness of Plating abreast Deck openings) in way of Bridge	-	-	
" in Holds " "	✓	Built pillars		If Sheathed, material and thickness	-	-	✓
" " " " " "	✓	as per profile	✓	Third Deck.			
Centre Line Bulkhead.				Stringer Plate, breadth and thickness.....			
Stiffeners and Spacing.....	-			If Plated, state thickness.....			
Plating, thickness of	-			Fourth Deck.			
STRINGERS AND DECKS.				Stringer Plate, breadth and thickness.....			
Uppermost Continuous Deck.				If Plated, state thickness			
Stringer Plate, breadth and thickness in Wells ✓	54	.34	✓	Poop Deck.			
" " " " in way of Bridge	-	-		Stringer Plate, breadth and thickness			
" Angle in Wells	3½	3½ .38	✓	Plating, Sheathing, material and thickness ...			
Thickness of Plating abreast Deck openings) in way of Wells	✓	.30	✓	Bridge Deck.			
Thickness of Plating abreast Deck openings) in way of Bridge	-		✓	Stringer Plate, breadth and thickness.....			
If Sheathed, material and thickness	-			Plating, Sheathing, material and thickness ...			
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells... ✓	42½	.34	✓	Stringer Plate, breadth and thickness.....	24	'30	
				Plating, Sheathing, material and thickness ...			
					2½' APS Sheathing	.30	✓

SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled?			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.	
FLAT PLATE KEEL	44	.52	.48	.48	✓	Double	3/4	3 1/8	Three	7/8	2 3/4	Lapped
„ DBLG. (if any)												
BOTTOM PLATING, No. of Strakes 3..		.44	.40	.40	✓	"	"	"	"	3/4	2 5/8	"
BILGE PLATING, No. of Strakes 2..		.44	.40	.40	✓	"	"	"	"	"	"	"
SIDE PLATING, No. of Strakes 1..		.44	.40	.40	✓	Single	"	"	"	"	"	"
UPPER DECK, Sheer-strake in Wells.....		.44	.40	.40	✓	"	"	"	"	"	"	"
UPPER DECK, Sheer-strake in Bridge ...												
STRAKE BELOW Sheer-strake in Wells.....		.44	.40	.40	✓	"	"	"	"	"	"	"
STRAKE BELOW Sheer-strake in Bridge ...												
POOP SIDE PLATING												
BRIDGE SIDE PLATING ...												
FOREC'TLE SIDE PLATING			.32		✓	Single	3/4	3	One	3/4	2 5/8	Lapped

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—(4)

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

„ Deck next below.....1

As per Rule.....4

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓	Flat plate keel	✓	
STEM	✓	Forging	7 $\frac{1}{4}$ x 2 Hickman's Id.	
STERN FRAME {	Propeller Post	✓ -do-	7 $\frac{1}{4}$ x 5 $\frac{1}{2}$ Cleland's Id.	✓
	Rudder	✓ -do-	6 $\frac{1}{2}$ x 5 $\frac{1}{2}$ -do-	✓
RUDDER—A x D	152 ✓			✓
Speed of Vessel 20 knots ✓				✓
RUDDER mainpiece at head	✓	Forging	6 -do-	✓
" " heel	✓	-do-	4 $\frac{1}{2}$ -do-	✓
" how constructed	✓	Forged & built		✓
" double or single plate	✓	Single plate		✓
" coupling, vertical or horizontal	✓	Horizontal		✓

STEEL

[illegible]

EQUIPMENT No. 15147										LETTER <i>p</i>	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.		
87670	1st Bower	30	2	25	-	-	-	29	3	3	0	Hartshorn's Stockless	N. 26/5/25. H. Green
87669	2nd "	30	2	23	-	-	-	29	3	3	0	"	"
87668	3rd "	26	0	8	-	-	-	25	14	1	14	"	"
	Collective weight	87	2	0									
87671	Stream	8	0	5	2	0	16	10	5	0	0	Ordinary	"

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.	
	Length.	Diam.	Statu-tory.	Break-ing.	Supplied.	Per Rule.			Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
75944	120	1 ⁵ / ₈	47 ¹ / ₂	66 ¹ / ₂	159	3	0	159 ³ / ₄	240	1 ⁵ / ₈	Stud link	Hingley & Sons	N. 30/4/25. H. Green	TOWLINE...	90	3 ¹ / ₄	22	90	3 ¹ / ₄
79064	120	"	"	"	163	0	24	"	"	"	"	"	" N 20/5/25. H. Green	HAWSERS & WARPS}	2-90	2 ¹ / ₄	9 ¹ / ₂	2-90	2 ¹ / ₄
Low Stress Chain Steel Wire	75	3 ³ / ₄	29						75	3 ³ / ₄					"	2-90	1 ³ / ₄	5 ¹ / ₂	2-90
	Steel wires certified by Newall & Son Ltd																		

Steel wires certified by Newall & Son Ltd

Steering Gear, Steam *Wilson Pirrie by Donkin & Co Ltd* Steering Gear, Hand *Blocks Tackle*
Boats *2 lifeboats & one dinghy* Steering Chains, Size and Test *Nil* Windlass *Electric (Emerson Walker)*
Ceiling in Holds, thickness and material *2 1/2" and 3" on battens* Cargo Battens, thickness, material and spacing *6" x 2" W.W. spaced 8" apart.*
Cargo Hatchways. (Upper Deck) *Steel coamings* Thickness of Hatches *Steel plates and angles.*
Size of No. 1 Hatchway (Forward) *16' 8" x 15' 0"* No. 2 *18' 6" x 15' 0"* No. 3 *18' 9" x 15' 0"* No. 4 *18' 9" x 15' 0"* No. 5 *-* No. 6 *-*
Number of Shifting Beams and/or Fore and Afters *Slugg - Carr hatch covers.*

Builder's Signature

FOR THE NORTHUMBERLAND SHIPBUILDING CO. LTD.

GENERAL DECLARATION This vessel has been built in accordance with the approved plans and instructions as per Secretary's letters as well as with the printed Rules. The materials and workmanship are good. The freeboard has been verified and the freeboard marks "cut in" on the vessel's sides. All double bottom and peak tanks, weather decks, bulkheads & tunnel have been satisfactorily tested.

Plans enclosed: - Midship section, Profile & decks, Bottom fore, Stemframe & rudder, Pauting, Hatchways (2), Tunnel, W.T. BH²⁵, Beam knee, E and B casings, Pumping, Hatch stay, Deck houses, Secondary means of steering, Pocket bunker, also 3 forging certificates.

The amount of Entry Fee £164 : 3 : 05 Fees applied for
Special Survey Fee £ 5 : 0 : 0
Freeboard 6 0 0
Travelling Expenses, if any £ : :
Received by me, *28/9/25*

I am of opinion the Vessel should be Classed *100A1 with freeboard*

State whether the Vessel has been built under Special Survey *Yes*

Signature

J. Macdonald
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to

NEWCASTLE-ON-TYNE
Date of issue

Committee's Minute

WED. 5 AUG 1925

Character assigned

100A1 with freeboard

Lloyd's ass. O.

+ Lmb 7 25
C.L.



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Lloyd's Register Foundation

0132 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 a List of the Plans should be embodied.)

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

1st Bower 20 cwt 0 gns 27 lbs. K.H. W^o 3458 28/4/25.
2nd „ 19 „ 3 „ 22 „ K.H. W^o 3457 28/4/25.
3rd „ 16 „ 3 „ 0 „ C.A.H. W^o 684 19/8/19.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle 24 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

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) 2 DKS (SH) //

Official No. ; Signal Letters

If bottom of Vessel has been coated Inside Yes

particulars of composition (cement under boilers) ✓

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	68.75	114	Fore peak tank,	17.5	72
Double bottom, under Engines and Boilers,	18.75	47	After peak tank,	15.5	26
Double bottom, if under Engines only,	22.9	58	Deep tank, aft,		
Double bottom, if under Boilers only,	87.5	181	Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
	Total capacity of double bottom	400	(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. 5128

Date 9.3.25

Dates of Surveys held while building

1925

Feb. 23. 27. Mar. 2. 5. 9. 13. 18. 23. 25. 27. 30. Apr. 1. 3. 7. 9. 16. 20. 22. 24. 28. 30. May 1. 5. 7. 11. 13. 16. 20. 29.
June 5. 8. 16. 17. July 9. 14. 17. 23. 29.

Total No. of Visits 38