

STEEL STEAMER ~~OR MOTORSHIP~~

89488
22 OCT 1924
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 *11th October 1924* Port of *Glasgow* No. *144066*
Survey held at *Grangemouth* Date First Survey *26th Feb. 1923* Last Survey *9th October 1924*
Name of the Vessel *S.S. "KONINI"*
(State if Machinery fitted Aft and (If Single, Twin or Triple Screw)
Type of the Vessel *Full Scantling*

State Type of Erections *Prop, Bridge & Mast*
Tonnage under Tonnage Deck... *1251.18* GLASS *+100 A1* State if with freeboard as condition of Class *NO.* Built at *Grangemouth.*
No. of spaces 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 245* Launched *17th July 1924* Yard No. *2407*
Total *1251.18* Breadth (greatest moulded) *B 37.5* Builders *The Grangemouth Dockyard Co. Ltd.*
Gross Tonnage *1420.11* Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 19.25* Owners *Union Steam Ship Co. of New Zealand Ltd.*
Register Tonnage *833.32* 1st Longitudinal Number (L x D) *= 4716* Managers *-*
(Where necessary to be entered in Reg. Book.)
2nd Numeral L x (B + D) *= 13903* Residence *Leadenhall St. London E.C.3*
REGISTERED DIMENSIONS. FEET. Framing Depth "d," at middle of length. See Sec. 3 (1d) *16.47* Port of Registry *Dunedin N.Z.*
Length *245.2* Proportions—Depth to Length—Uppermost continuous deck to top of keel *12.72* If surveyed while building, afloat, & in dry dock
Breadth *37.7* Do. Long Bridge to top of keel *9.33* *Yes*
Depth *17.25* Draught Moulded *17'0"*

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.
DECKS, Spacing amidships	30"	✓	Bracket Floors, Frame	B.A. 6 1/2 3 38	
" from 1/4 length to Collision bulkhead	27"	✓	" " Reversed Frame	B.A. 6 3 38	
" in peaks	23 1/2"	✓	" " Vertical Struts	B.A. 6 3 38	
FRAMING.			Centre Girder, depth and thickness amidships	33 1/2 x 43	
Frame Amidships, Angle [	8 1/2 3 45	✓	" " top Angles	Single 3 3 40	
" Extends up to	Upper Dk.	✓	" " bottom Angles	3 1/2 3 1/2 43	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	one 32	
" Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	36 x 40	
Depth of Framing Girder	8 1/2	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3 3 36	
Frames in Uppermost Continuous 'tween Decks, Angle, [or [	✓ ✓ ✓		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	3 3 36	
" Second 'tween Decks, Angle, [or [	✓ ✓ ✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	15 x 24 x 40 every 3rd frame	
" Third " " "	✓ ✓ ✓		" " Gussets, spacing and scantling forward 1/4 len. from stem	48"	
Framing in Peaks, Angle Bull angle	7 3 42 6 1/2 x 3 x 4 1/2	✓	Tank Side Brackets, height above base line at toe of Frame and thickness		
Number and Spacing of Rivets through Shell Plating	3/4" square 6 diam. apart	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	Yes	✓	Breadth and thickness of Middle Line Strake	44 1/2 x 38 43 1/2 x 38	
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	Web frame arrangement 2 web frames 1 1/2 x 38 28 stringers 30"	✓	Thickness of remainder in Holds	36	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	5 x 5" frames double riveted and extra intercostal	✓	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.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓ ✓ ✓		Uppermost Continuous Deck, amidships in Wells, Angle [	7 1/2 3 48	
Height of Brackets at side above base line at toe of frame	✓ ✓ ✓		" " in way of Bridge, Angle [	5 1/2 3 36	
Middle Line Keelson, on Floors, Angles, [or [	✓ ✓ ✓		Spacing	30	
" " Through Plate or Intercostal Plate	✓ ✓ ✓		Second Deck, amidships, Angle, [or [✓	
" " Foundation Plate on Floors	✓ ✓ ✓		Spacing	✓	
" " 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	✓	
DOUBLE BOTTOM.			Poop Deck, Angle [	7 3 44	
Mid Floors, thickness and spacing	36 @ 90"	✓	Spacing	alt. frames	
" Are Frame and Reversed Frame joggled?	Yes	✓	Bridge Deck, Angle, Angle [	6 3 34	
Bracket Floors, breadth and thickness at middle line	25 36	✓	Spacing	30	
" breadth and thickness at margin plate	20 36	✓	Forecastle Deck, Angle [	6 3 34	
			Spacing	alt. 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.....	<i>one</i>	/	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	/	
" " " " "	/		Thickness of Plating abreast Deck openings in way of Bridge	/	
" in Holds " "	<i>4 1/4"-5" @ 60"</i>	<i>Heavy built pillars at stated angles as per approved plan</i>	If Sheathed, material and thickness	/	
" " " " "			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	<i>45" x 50"</i>	/	Poop Deck.		
" " " " in way of Bridge	<i>45" x 34"</i>	/	Stringer Plate, breadth and thickness	<i>24" x 30"</i>	/
" Angle in Wells	<i>5" 5" 50"</i>	/	Plating, Sheathing, material and thickness ...	<i>8" x 30" ties 5" x 3" iron plate</i>	/
Thickness of Plating abreast Deck openings } in way of Wells	<i>34</i>	/	Bridge Deck.		
Thickness of Plating abreast Deck openings } in way of Bridge	<i>30</i>	/	Stringer Plate, breadth and thickness.....	<i>45" x 34"</i>	/
If Sheathed, material and thickness	/		Plating, Sheathing, material and thickness ...	<i>Steel 31" x 30" approved Sheathed 5x2 1/2" partly sheathed</i>	/
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	/		Stringer Plate, breadth and thickness.....	<i>34</i>	/
			Plating, Sheathing, material and thickness ...	<i>Steel 34" no sheathing</i>	/

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	NO	No. of Rows of RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.					SINGLE OR DOUBLE.	RIVETS.		Diam.	Spacing or. to or.	Diam.	Spacing or. to or.
	Inches.	Inches.	Inches.	Inches.				Inches.	Inches.		Inches.	Inches.
PLAT PLATE KEEL	42 1/2	.54	.52	.52		Double	7/8	3"	Triple	7/8	3 1/8"	lapped
" DBLG. (if any) ✓						✓						
BOTTOM PLATING, No. of Strakes 3		.50	.46	.42		Double	3/4	"	"	3/4	2 5/8"	"
BILGE PLATING, No. of Strakes .....		.50	.50	.50		"	3/4	"	"	"	"	"
SIDE PLATING, No. of Strakes 2		.50	.38	.40		"	3/4	"	"	"	"	"
UPPER DECK, Sheer- strake in Wells.....	48	.57	.38	.38	approved 46 broad .86 at bridge ends	"	1/8	"	"	1/8	3 1/8"	"
UPPER DECK, Sheer- strake in Bridge ...		.50							"			
STRAKE BELOW Sheer- strake in Wells.....		.50	.38	.38		Double	1/8	"	"	3/4	2 5/8"	"
STRAKE BELOW Sheer- strake in Bridge ...		.50							"			
POOF SIDE PLATING .....			.30			Single	3/4	3"	Single	3/4	2 5/8"	"
BRIDGE SIDE PLATING ...	75	.47							Quad.	3/4	2 5/8"	"
FOREC'TLE SIDE PLATING			.32			Single	3/4	3"	Single	3/4	2 5/8"	"

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)	4
„ Deck next below	✓
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	iron forging	7 1/2 x 1 1/8	Cleland's Ltd.	-
STERN FRAME { Propeller Post	iron	7 1/4 x 5 3/8	Cleland's Ltd.	
{ Rudder	iron forging	6 1/2 x 5 3/8		
RUDDER—A x D		153.72		
Speed of Vessel		under 10 knots		
RUDDER mainpiece at head ...	iron forging	6"	Cleland's Ltd.	
" " heel ...		4 1/2"		
" how constructed		forged & built		
" double or single plate		single		
" coupling, vertical or		horizontal		

STEEL.

[illegible]

EQUIPMENT No. 14671										LETTER	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.			
38255	1st Bower	30	3	0	30	3	0	29	3	3	Britannic.	—	LPHCH 28 Feb 1923 Paul
38256	2nd "	29	3	8	"	"	"	28	10	2	do.	—	LPHCH 16 March 1923 Paul
38470	3rd "	27	0	14	"	"	"	26	9	1	do.	—	LPHCH 16 April 1923 Paul
	Collective weight.	87	2	22									
38441	Stream	7	2	18	7	2	18	7	15	3	ordinary	Bloome & Sons	LPHCH 16 April 1923 Paul
38442	KEDGE	4	1	18	4	1	18	4	15	0	ordinary	do.	do.

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.		
34550	240	1 5/8	475	66.5	327.0	0	0	319 1/2	240	1 10/16	Steel link	Bloome & Sons	LPHCH 16 April 1923 Paul	TOWLINE...	90	3 1/4	22	90	3 1/4	
See Sream Chain Steel Wire	75	Cir. 3 3/4	29						75	Cir. 3 3/4	Steel wire	Barton & Co.		HAWSERS & WARPS }		90	2 1/4	9.5	90	2 1/4
						90	2 1/4	9.5					90		2 1/4					
						90	5	hemp					90		5					
						90	5	hemp					90		5					

Steering Gear, Steam *Canon Co.* Steering Gear, Hand *Canon Co.*

Boats 2 lifeboats, 1 dinghy Steering Chains, Size and Test $\frac{1}{8}$ " diam - test 9-2-2-0 Windlass *Clark Chapman*

Ceiling in Holds, thickness and material $2\frac{1}{2}$ " w.p. Cargo Battens, thickness, material and spacing 6×2 " w.p.

Cargo Hatchways.—(Upper Deck) 4 Thickness of Hatches 3"

Size of No. 1 Hatchway (Forward) 18×16 No. 2 $22 \times 6 \times 18$ No. 3 20×18 No. 4 20×16 No. 5 ✓ No. 6 ✓

Number of Shifting Beams and/or Fore and Afters No 1. two shifting beams, Nos. 2, 3 & 4. three shifting beams no fore and afters.

FOR THE GRANGE MOUTH DOCKYARD CO., LTD.
Builder's Signature *S.P. Jackson* MANAGING DIRECTOR

GENERAL DECLARATION This vessel has been built in accordance with the approved plans, the Secy's letters of various dates, and in general conformity with the rules for the class contemplated. The materials and workmanship are good. Freeboard verified and marks cut in on vessel's sides. Hand pump and Downton pump tested. Fore and after peaks and double bottom tanks, tested by water pressure. Weather decks, bulkheads and tunnel hose tested and found in order. Multiple punching has been adopted in the flat of bottom and sides of shell (except sheerstrake), on tank top, decks and bulkheads. Previous to trials, vessel was placed in dry dock, and bottom and rudder cleaned examined & coated.

The following approved plans herewith:—Midship Section, Profile, Stern frame & Rudder, Planing arrangement & strengthening of bottom, Pillar, Planing arrangement, Rearrangement of fore hatches, Bunker, Bulkheads, Mast plan, pumping plan. Multiple punch riveting plan. (11 plans.) Also 5 forgings & castings reports.

The amount of Entry Fee £ 5 : 0 : 0 Fees applied for, 17/10/1924.
Special Survey Fee.... £ 142 : 0 : 0
freeboard 5 : 0 : 0
Travelling Expenses, if any £ 7 : 18 : 2

I am of opinion the Vessel should be Classed + 100 A1

State whether the Vessel has been built under Special Survey Yes
Certificate to be sent to GLASGOW Date of issue 25/10/24

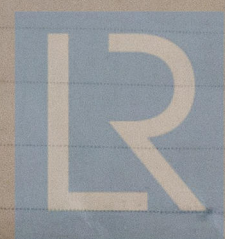
Signature for J. McShenna, R.D. Cairns & Self. *A.W. Paterson.*
Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 21 OCT 1924

Character assigned - 100 A1

10.24
Lloyd's A+C.P.

+ LMC 10.24



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Lloyd's Register Foundation

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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	<i>wt. qrs. lbs</i> 18 - 2 - 8	- J.D. -	5386 -	16 th Jan. 1923
2nd "	18 - 1 - 12	- J.D. -	5426 -	30 th Jan. 1923
3rd "	16 - 0 - 0	- D.D.W. -	5510 -	20 th Feb. 1923

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *24.33* ft., R.Q.D. — ft., Bridge 60 ft., Forecastle 26 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)

Official No. *to be assigned in New Zealand*; Signal Letters

If bottom of Vessel has been coated Inside *yes*

particulars of composition *paint & cement.*

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Thickness Diameter
Double bottom, aft,	55	94	Fore peak tank,			32
Double bottom, under Engines and Boilers,	40	110	After peak tank,			34
Double bottom, if under Engines only,	✓		Deep tank, aft,	✓		pitch ac
Double bottom, if under Boilers only,	✓		Deep tank, forward,	✓		thickness
Double bottom, forward,	106	227	Other tanks, if fitted,	✓		Working
Total capacity of double bottom		431	(If necessary, furnish further information by sketch.)	✓		Diameter

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. *5559*

Date *23.3.1923*

Dates of Surveys held while building

1923 Feb 26 Mar 5-13-16-29 Apr 5-13-24-26 May 1-4-11-16-23-30 Jun 4-12-18-25-28 July 4-11 Aug 3-8-24 Sep 6-11 Oct 11-18 Nov 20-30 Dec 7-13-18. 1924 Jan 10- Feb 4-13-15 Mar 10-17-24 Apr 1-3-7-9-11 May 6-14-23 Jun 5-25 Jul 1-30 Aug 7-11-28 Sep 4-9-22-26-30 Oct 1-3-6-7-9.

Total No. of Visits *66*