

## STEEL STEAMER or MOTORSHIP.

19 MAR 1934

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 *6/2/34* Port of *Sydney N.S.W.* No. *13,534*  
Survey held at *Sydney N.S.W.* Date First Survey *18/1/34* Last Survey *30/1/1934*  
On the *SINGLE SCREW STEAMER "NALPA"* MACHINERY *AFT.*  
State Type *RAISED QUARTER DECK* State Type of Erections *391055 & 309625746.*

TONNAGE under Tonnage Deck... *332* CLASS *100 A1* State if with freeboard as condition of Class *No.* Built at *Delfzijl*  
Do. of space 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 179.83* Launched *1918* Yard No. *10*  
Breadth (greatest moulded) *B 28.5* Builders *Woolfson and Co.*  
Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 14.87* Owners *The Adelaide Steamship Co. Ltd.*  
1st Longitudinal Number (L x D) *= 2584* Managers *(Where necessary to be entered in Reg. Book.)*  
2nd Numeral L x (B + D) *= 7409* Residence  
Framing Depth "d," at middle of length. See Sec. 3 (1d) *11.8* Port of Registry *Port Adelaide.*  
Proportions—Depth to Length—Uppermost continuous deck to top of keel *12.5* If surveyed while *building* afloat, or in dry dock  
Do. *Long Bridge to top of keel* *10.0* *afloat and on slipway.*  
Draught Moulded

TONNAGE under Tonnage Deck... *332*  
Do. of space or spaces between Tonnage Dk. and Upper Dk. *✓*  
TONNAGE *685*  
TONNAGE *365*  
TERED DIMENSIONS. FEET. *180.8*  
*28.7*  
*12.6*

## 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.
Spacing amidships	22"		Bracket Floors, Frame	4 1/2" 3" 38"	✓
" from 1/4 length to Collision bulkhead	22"		" " Reversed Frame	4 1/2" 2 1/2" 38"	✓
" in peaks	22"		" " Vertical Struts	2 1/2" 2 1/2" 28"	✓
AMIDSHIPS, Angle, <i>E or F</i>	5 1/2" 3" 36" <i>Arranged as shown on plan</i>		Centre Girder, depth and thickness amidships	29" 36" 30"	✓
Extends up to	<i>Upper and raised quarter decks.</i>		" " top Angles	3" 3" 34" 30"	✓
d Frame Amidships, Angle	✓		" " bottom Angles	3 1/2" 3 1/2" 36" 30"	✓
Extends up to	✓		Side Girders, No. each side and thickness	1 28"	Continuous
Framing Girder	6 1/2"		Margin Plate depth (excl. of flange) and thickness	25" 30"	✓
Uppermost Continuous 'tween Decks, Angle, <i>E or F</i>	✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3" 3" 28"	✓
Second 'tween Decks, Angle, <i>E or F</i>	✓		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	3" 3" 28"	✓
Third " " <i>POPE PEAK</i>	4 1/2" 3" 36"		" " Gussets, spacing and scantling abaft 1/4 len. from stem	None	✓
Peaks, Angle <i>E or F</i>	4" 3" 34"		" " Gussets, spacing and scantling forward 1/4 len. from stem	None	✓
and Spacing of Rivets through Shell Plating	3/4" <i>(31095. 31446. 307711)</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	31" 28"	✓
me Joggled	No.		INNER BOTTOM PLATING.		
ARRANGEMENTS (Sec. 7), state system and particulars	<i>Fore peak bulk head plating and beams, with side stringer in hold extending for four frame spaces. 9 1/2" x 1/2" plate 3" x 3" x 32 base angle. 3 solid floors at fore end of tank. Side girders spaced 5' 8". Riveting as per rules. .36 in boiler space.</i>		Breadth and thickness of Middle Line Strake	30" 34" 30"	✓
NING OF BOTTOM FOR.			Thickness of remainder in Holds	28"	✓
State Particulars			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	✓
TOM.			BEAMS.		
th and thickness at mid-line in	15" 42" in boiler space.		Uppermost Continuous Deck, amidships	5 1/2" 3" 34"	✓
ht of Brackets at side above	30"		" " in "Wells, Angle, <i>E or F</i>	5 1/2" 3" 34"	✓
ase line at toe of frame	6 1/2" 3" 40" double.		" " in way of <i>POPE</i> , Angle, <i>E or F</i>	22"	✓
e Keelson, on Floors, <i>Angles</i>	36" 30" 32"		Spacing	22"	✓
" Through Plate <i>Angles</i>	12" x 36" 32" double		Second Deck, amidships, Angle, <i>E or F</i>	✓	
" Foundation Plate on Floors	32" 32" 36" 32" double.		Spacing	✓	
" Flat Plate Keel Angles	2		Third Deck, amidships, Angle, <i>E or F</i>	✓	
elsons, No. each side	2		Spacing	✓	
" thickness of Intercoastal Plate	32" (36" in boiler space)		Fourth Deck, amidships, Angle, <i>E or F</i>	✓	
" Angles	5 1/2" 3" 38" 34"		Spacing	✓	
E BOTTOM.			Poop Deck, Angle, <i>E or F</i>	✓	
Floors, thickness and spacing	28" 22" (at fore end of 11' tank)		Spacing	✓	
" Are Frame and Reversed Frame joggled?	No.		Bridge Deck, Angle, <i>E or F</i>	✓	
Bracket Floors, breadth and thickness at middle line	18 3/4" 28"		Spacing	✓	
" breadth and thickness at margin plate	17 1/2" 24" x 28"		Forecastle Deck, Angle, <i>E or F</i>	✓	
" Spacing	44"		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.
<b>PILLARS</b> , No. of Rows.....	1		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 .....	28"	✓
„ „ „ „ „	✓		Thickness of Plating abreast Deck openings in way of Bridge .....	✓	
„ in Holds „ „	6" x 3 1/2" x 3 1/2" x 40	✓	If Sheathed, material and thickness .....	Not sheathed	
„ „ „ „ „	3" dia. in ultimate beams.		<b>Third Deck.</b>		
<b>Centre Line Bulkhead.</b>			Stringer Plate, breadth and thickness.....	✓	
Stiffeners and Spacing.....	✓		If Plated, state thickness.....	✓	
Plating, thickness of .....	✓		<b>Fourth Deck.</b>		
<b>STRINGERS AND DECKS.</b>			Stringer Plate, breadth and thickness.....	✓	
<b>Uppermost Continuous Deck.</b>			If Plated, state thickness .....	✓	
Stringer Plate, breadth and thickness in Wells	46" x 44"	✓	<b>Poop Deck.</b>		
„ „ „ „ in way of Bridge	46" x 44"	✓	Stringer Plate, breadth and thickness .....	✓	
„ Angle in Wells .....	3" x 3" x 44		Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings in way of Wells .....	28" to 26"	✓	<b>Bridge Deck.</b>		
Thickness of Plating abreast Deck openings in way of Bridge .....	✓		Stringer Plate, breadth and thickness.....	29" x 26"	✓
If Sheathed, material and thickness .....	Not sheathed	✓	Plating, Sheathing, material and thickness ...	2 1/2" Pitch fine.	
<b>RAISED QUARTER Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	34" x 38"	33 approved. See enclosure	Stringer Plate, breadth and thickness.....	15" x 26"	✓
			Plating, Sheathing, material and thickness ...	2 1/2" Pitch fine.	

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. No. State if jogged?			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 .....	36	5/2	48	48		Double	3/4	2 1/2	3	3/4	2 5/8	Lapped.
„ DBLG. (if any)	✓											
BOTTOM PLATING, No. of Strakes .....2.....	34	38	34	34		Double	3/4	2 1/2	3 for half length. 2 at ends.	3/4	2 5/8	Lapped.
BILGE PLATING, No. of Strakes .....2.....	36	38	34	34		Double	3/4	2 5/8	3 for half length 2 at ends.	3/4	2 5/8	Lapped.
SIDE PLATING, No. of Strakes I.R. 2.A.)	34	38	34	34	Doubtting full width 38" thick, 33' long at break of R. & D.	Single	3/4	2 5/8	Double united	3/4	2 5/8	Lapped.
UPPER DECK, Sheer- strake in Wells.....	36	5/2	34	✓		Single	3/4	2 1/2	3 for half length 2 at ends.	3/4	2 5/8	Lapped.
RAISED QUARTER DECK UPPER DECK, Sheer- strake in Bridge ...)	42	46	✓	34		Single	3/4	2 5/8	3 for 1/4 length Double at ends.	3/4	2 5/8	Lapped.
P. & D. DECK STRAKE BELOW Sheer- strake in Wells.....)	36	42	✓	34		Single	3/4	2 3/4	3 for 1/5 length. 2 at ends.	3/4	2 5/8	Lapped.
UPPER DECK STRAKE BELOW Sheer- strake in Bridge ...)	52	42	34	✓		Single	3/4	2 3/4	3 for 1/5 length 2 at ends.	3/4	2 5/8	Lapped.
POOP SIDE PLATING .....	✓											
BRIDGE SIDE PLATING ...		26	✓	✓		Single	3/4	2 3/4	Single	3/4	2 5/8	Lapped.
FOREC'TLE SIDE PLATING		26	✓			Single	3/4	2 3/4	Single	3/4	2 5/8	Lapped.

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>	
Extending to Upper Deck (Sec. 3 c).....	3
„ Deck next below.....	✓
As per Rule.....	3

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKHEAD, Tween decks...</b>	32	6" x 3" x 38	30"	✓	✓
„ „ „					
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<b>COLLISION</b> „ (in Hold) .....	32	6" x 3" x 38	24"	✓	✓
<b>AFTER PEAK</b> „ „ .....	32	6" x 3" x 38	24"	✓	✓

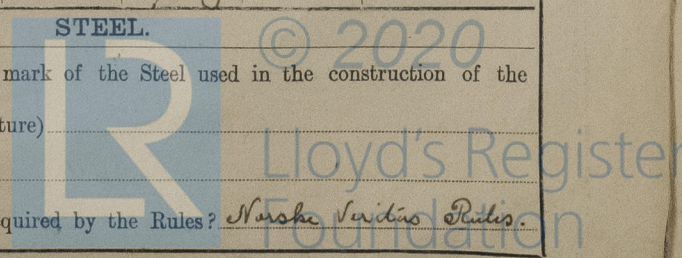
## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....	✓	✓	✓	✓
<b>STEM</b> .....	Forging	7" x 2"	✓	
<b>STERN FRAME</b> {	Casting	7 1/4" x 3 1/4"	✓	
		6 1/2" x 3 1/2"	✓	
<b>RUDDER—A x D</b> .....		82-5		
<b>Speed of Vessel</b> .....		10 knots		
<b>RUDDER</b> mainpiece at head ...	Forging	4 1/2"	✓	
„ „ heel ...		3 1/2"	✓	
„ how constructed .....		Arms shrunk on forged mainpiece		
„ double or single plate coupling, vertical or horizontal .....		Single plate. No coupling.		

## STEEL.

Manufacturer's name or trade mark of the Steel used in the construction of the Vessel (state process of manufacture)

Has the Steel been tested as required by the Rules? *Not tested*





EQUIPMENT No. 8201												LETTER J	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.	Cwts.			
	1st Bower ...	16	0	0	Stickless			18	0	0	0		Stickless	GETTING 8 ANKER FABRIK "HOLLAND"	Rottterdam 11/12/17
	2nd " ...	16	0	0	00			18	0	0	0		Stickless		Rottterdam 11/12/17
	3rd " ...	16	0	0	00			18	0	0	0		Stickless		Rottterdam 11/12/17
	Collective weight.	48	0	0								48 " 0.0			S. Fredrickson
	Stream .....	4	3	0				7	2	3	5	4-2-5	With Stock.		Rottterdam 8/11/17

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.			
811	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.	Shed link Shed link Shed link	GETTING 8 ANKEPFA8912K HOBBS AND	Rottterdam 21/2/18 S. Stensen	TOWLINE ... HAWSERS & WARPS " "	Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
	195	1 1/4"	28.5	42.7	159	2 11	156.0.0		195	1 1/4"					73	3 1/2"	43	2 3/4"		
	15	1 1/4"	No certificate.				12.0.0									180	5" knif.	90	6"	
Less Stream Chain and Steel Wire	210	1 1/4"					168.0.0		210	1 1/4"					180	2 3/4" wire	90	2 1/4"		
	60	4"							60	3"					180	5" knif.	90	4"		

Steering Gear, Steam Combined Hand and Steam, 2 cylinders 5" dia. by 6" stroke, 20.75 x 6.55 x 2.83 = 22 fms. Steering Gear, Hand Screw Hand Gear.

Boats 2 { 19.5 x 6.65 x 2.65 = 20 fms. Steering Chains, Size and Test 3/4" short link Windlass 2 cys. 5 3/4" dia. x 8" stroke.

Ceiling in Holds, thickness and material 2 1/2" fine. Cargo Battens, thickness, material and spacing Not fitted.

Cargo Hatchways.-(Upper Deck) Three Thickness of Hatches 2 1/2"

Size of No. 1 Hatchway (Forward) 15' x 13' No. 2 20'2" x 13'0" No. 3 18'6" x 13'0" No. 4 ✓ No. 5 ✓ No. 6 ✓

Number of Shifting Beams and/or Fore and Afters 3 Shifting beams in each hatch - no fore and afters.

Builder's Signature

GENERAL DECLARATION This vessel has been carefully surveyed and the scantlings and arrangements examined and found to be in accordance with the plans now forwarded.

The materials and workmanship are good.

The vessel is now in good condition and eligible in our opinion to be classed 100 A1

The amount of Entry Fee ..... £ 4 : 0 : 0 Fees applied for, 31-1-1934

Special Survey Fee.... £ 22 : 10 : 0 Received by me, 8/2/1934

Travelling Expenses, if any £ : ✓ : ✓

I am of opinion the Vessel should be Classed 100 A1

State whether the Vessel has been built under Special Survey No.

Certificate to be sent to Sydney N.S.W. Date of issue 8/5/34

Signature Jas. C. Crsknie  
Barton P. Fielden  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Character assigned

FRI. 4 MAY 1934

See repair report  
(same number)

FRI. 3 AUG 1934

TUE. 6 NOV 1934

FRI. 15 FEB 1935

TUE. 12 MAR 1935



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Lloyd's Register  
Foundation

005518-005528-0130 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.)

This vessel was built to the Norske Veritas class 1A1+. A full special survey No. 3 has been carried out, shell plating, decks and double bottom plating drilled, the actual scantlings have been compared with the plans forwarded and found to be in order. The workman ship and material are good and the vessel has been well looked after internally and externally.

The rivetting of the shell plating was carefully examined, rivets taken out of sheer stake butts and seams, framing, and butts and seams at upper turn of bilge, all rivet holes found fair and the counter-sinking good.

The vessel is constructed with bracket floors throughout the double bottom (except three solid floors at forward end) and the side girders are continuous as shown on midship section. Additional bracket plates were fitted on frames Nos 78 to 83 in 1928, these are 15 inches wide, .32 thick and flanged each side. On careful examination, no weakness was found at this part.

The midship thickness of the upper deck sheer stake is maintained beyond the doubling plate at break of raised quarter deck. Nos 1 and 3 hatches have been reduced in length by one frame space at some previous date and the deck plating efficiently compensated. Minor alterations have been made to the accommodation to suit Australian requirements.

One 15 fathom length of chain cable was found in addition to the original equipment, this is stated to have been placed on board when the vessel changed to British registry. A kedge anchor weighing 2 cwt. is also on board. The anchors and cables were carefully examined and appear to be sound and efficient.

Correspondence:- London Radio 14/1/34. 19/1/34.  
Sydney Radio 16/1/34. 19/1/34. Sydney Letters 18/1/34. 20/1/34.

Plans forwarded:- Midship section, general arrangement, profile, stiffening fitted 10/4/28. Stern frame and moulder. Pumping arrangement.

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

1st Bower  
2nd "  
3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 88 ft., Bridge 11 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) One deck (steel)  
Cargo battens not fitted.

Official No. 137224; Signal Letters V J T T

If bottom of Vessel has been coated Inside yes give

particulars of composition

cement.

Maximum breadth over belting 50'-2"

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.		Water Capacity.	Where Fitted.	*Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	✓	✓	Fore peak tank,	12	25		
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	4	3		
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	✓	✓		
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	✓		
Double bottom, forward,	115	151	Other tanks, if fitted,	✓	✓		
Total capacity of double bottom		151	(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.

Date 5/1/34

Dates of Surveys held while building

18/1/34. 22/1/34. 23/1/34. 24/1/34. 25/1/34. 29/1/34. 30/1/34

Total No. of Visits 7

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