

STEEL STEAMER ~~OF MOTORSHIP~~

Received at London Office .....

State if Report has been sent on the Freeboard of the Vessel *yes*

30 JAN 1935

State if Report is sent on the Machinery of the Vessel *yes*

Date of completion of report

26<sup>th</sup> January 1935

Port of Glasgow

No. 55344

Survey held at

Glasgow

Date First Survey

3<sup>rd</sup> April 1934

Last Survey

23<sup>rd</sup> January 1935

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

Twin Screw Steamer "TAROONA"

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

C. S. S.

Limited draught.

State Type of Erections

Combined Bridge

TONNAGE under Tonnage Deck

2781.9

CLASS

+100 A1

State if with freeboard

Yes

Built at

Lindhouse Glasgow

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 335.0

Launched

22<sup>nd</sup> Nov. 1934

Yard No.

543

Total

2781.9

Gross Tonnage

4285.58

Register Tonnage

1848.63

Breadth (greatest moulded)

B 50.0

Builders

Alexander Stephens &amp; Sons. 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 22.15

Owners

Tasmanian Steamers Proprietary Ltd.

1st Longitudinal Number (L x D)

= 7420

Managers

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

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

6'-10"

Residence

Melbourne

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

12.76

Port of Registry

Melbourne

Do. "Long Bridge to top of keel"

9.78

If surveyed while building, afloat, or in dry dock

Yes

Draught Moulded

14'-10<sup>3</sup>/<sub>4</sub>

## 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.
<b>FRAMES, Spacing amidships</b>	26	/	<b>Bracket Floors, Frame</b>	Z	
" " from $\frac{3}{4}$ length to Collision bulkhead	26	/	" " Reversed Frame		
" " in peaks	24	/	" " Vertical Struts		
<b>DE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	35 46	/
<b>Frame Amidships, Angle</b>	6 3 36	/	" " top Angles	double 3 3 44	/
" " Extends up to	"A" x "B" not alt.	/	" " bottom Angles	double 4 3 50	/
<b>Reversed Frame Amidships, Angle</b>	/	/	<b>Side Girders, No. each side and thickness</b>	one 34	/
" " Extends up to	/	/	<b>Margin Plate depth (excl. of flange) and thickness</b>	24 1/2 43	/
<b>Depth of Framing Girder</b>	6	/	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 1/2 3 1/2 35	/
<b>Frames in Uppermost Continuous 'tween Decks, Angle</b>	5 1/2 3 30	/	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	5 5 34	/
" " Second 'tween Decks, Angle	do.	/	" " Gussets, spacing and scantling abaft 1/2 len. from stem	/	/
" " Third " " " "	do.	/	" " Gussets, spacing and scantling forward 1/2 len. from stem	/	/
<b>Framing in Peaks, Angle</b>	5 1/2 3 32	/	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	46 1/2 35	/
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	3/4 5 1/4	/	<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled</b>	Yes	/	Breadth and thickness of Middle Line Strake	47 43	/
<b>STRENGTHENING ARRANGEMENTS (Sec. 7), state system and particulars</b>	No. per app'd. plan	/	Thickness of remainder in Holds	37	/
<b>STRENGTHENING OF BOTTOM FORWARD. State Particulars</b>	No. per app'd. plan	/	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	/
<b>ANGLE BOTTOM.</b>			<b>BEAMS.</b>		
<b>Floors, Depth and thickness at mid-line in Holds</b>			<b>Uppermost Continuous Deck, amidships</b>	7 3 33	/
Height of Brackets at side above base line at toe of frame			" " " " in way of Bridge, Angle	/	/
<b>Middle Line Keelson, on Floors, Angles, [ or [</b>			Spacing	26	/
" " " Through Plate or Intercostal Plate			<b>Second Deck, amidships, Angle</b>	7 3 33	/
" " " Foundation Plate on Floors			Spacing	26	/
" " " Flat Plate Keel Angles			<b>Third Deck, amidships, Angle</b>	8 3 35	/
<b>Side Keelsons, No. each side</b>			Spacing	26	/
" " thickness of Intercostal Plate			<b>Fourth Deck, amidships, Angle, [ or [</b>		/
" " Angles			Spacing		/
<b>DOUBLE BOTTOM.</b>			<b>Poop Deck, Angle, [ or [</b>		/
<b>Solid Floors, thickness and spacing</b>	35 @ 26	/	Spacing		/
" " Are Frame and Reversed Frame joggled?	Yes	/	<b>Bridge Deck, Angle, [ or [</b>		/
<b>Bracket Floors, breadth and thickness at middle line</b>	/	/	Spacing	7 3 33	/
" " breadth and thickness at margin plate	/	/	<b>Forecastle Deck, Angle, [ or [</b>		/
			Spacing	26	/

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# 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, No. of Rows.....</b>	<i>two</i>		Stringer Plate, breadth and thickness in way of Bridge .....	<i>✓</i>	
„ in 'tween Decks, Size and Spacing.....	<i>widely spaced pillars with deck girders as per plan</i>		Thickness of Plating abreast Deck openings in way of Wells .....	<i>.30</i>	
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge .....	<i>✓</i>	
„ in Holds „ „			Thickness of Plating within line of openings.....	<i>.30</i>	
„ „ „ „ „			If Sheathed, material and thickness .....	<i>✓</i>	
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b> <i>"D"</i>		
Stiffeners and Spacing.....	<i>Z</i>		Stringer Plate, breadth and thickness.....	<i>45 .34</i>	<i>✓</i>
Plating, thickness of .....	<i>Z</i>		If Plated, state thickness.....	<i>.30</i>	<i>✓</i>
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck.</b> <i>"B"</i>			Stringer Plate, breadth and thickness.....	<i>Z</i>	
Stringer Plate, breadth and thickness in Wells.....	<i>45 .33</i>	<i>H.T.</i>	If Plated, state thickness .....		
„ „ „ „ in way of Bridge .....	<i>✓</i>		<b>Poop Deck.</b>		
„ „ „ „ „ <i>check</i> <i>3 1/2 3 1/2 .36</i>			Stringer Plate, breadth and thickness .....	<i>Z</i>	
„ Angle in Wells <i>inner</i> <i>3 3 .36</i>			Plating, Sheathing, material and thickness .....		
Thickness of Plating abreast Deck openings in way of Wells .....	<i>H.T. .30</i>		<b>Bridge Deck.</b>		
Thickness of Plating abreast Deck openings in way of Bridge .....	<i>✓</i>		Stringer Plate, breadth and thickness.....	<i>50 .33</i>	<i>H.T.</i>
Thickness of Plating within line of openings...	<i>.30</i>		Plating, Sheathing, material and thickness .....	<i>H.T. H.T. 35 x 30</i>	<i>✓</i>
If Sheathed, material and thickness .....	<i>2 1/2 teak at aft end.</i>		<b>Forecastle Deck.</b>		
<b>Second Deck.</b> <i>"C"</i>			Stringer Plate, breadth and thickness.....	<i>2 1/2 teak Sheathing</i>	<i>✓</i>
Stringer Plate, breadth and thickness in Wells...	<i>45 .34</i>		Plating, Sheathing, material and thickness .....		

## SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>no</i>			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.									
FLAT PLATE KEEL .....	<i>46</i>	<i>.56</i>	<i>.52</i>	<i>.52</i>	<i>✓</i>	<i>double</i>	<i>3/4</i>	<i>2 8/9</i>	<i>1</i>	<i>welded</i>	<i>✓</i>		
<i>„</i> <del>DECK (if any)</del> <i>Rolling piece 9 x 1 1/2</i>	<i>Rolling piece 9 x 1 1/2</i>				<i>✓</i>								
BOTTOM PLATING, No. of Strakes ..... <i>3</i>		<i>.48</i>	<i>.53</i> <i>.46</i>	<i>.44</i>	<i>✓</i>	<i>double</i>	<i>"</i>	<i>"</i>	<i>triple</i>	<i>3/4 2 5/8</i>	<i>lapped</i>		
BILGE PLATING, No. of Strakes ..... <i>2</i>		<i>.48</i>	<i>.46</i>	<i>.44</i>	<i>✓</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>		
SIDE PLATING, No. of Strakes ..... <i>2</i>		<i>.48</i>	<i>.40</i>	<i>.40</i>	<i>✓</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>		
UPPER DECK, Sheer-strake in Wells.....	<i>62</i>	<i>H.T.</i> <i>.44</i>	<i>.40</i>	<i>.40</i>	<i>✓</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>		
UPPER DECK, Sheer-strake in Bridge ...	<i>✓</i>												
STRAKE BELOW Sheer-strake in Wells.....		<i>.48</i>	<i>.40</i>	<i>.40</i>	<i>✓</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>strapped</i>		
STRAKE BELOW Sheer-strake in Bridge ...	<i>✓</i>												
POOP SIDE PLATING .....	<i>✓</i>												
BRIDGE SIDE PLATING ...		<i>H.T.</i> <i>.49</i>	<i>.38</i>	<i>.38</i>	<i>✓</i>	<i>Single</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>strapped</i>		
FORECASTLE SIDE PLATING													

## WATERTIGHT BULKHEADS.

## FORGINGS and CASTINGS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b> <i>8</i> Extending to Upper Deck (Sec. 3 c) <i>1</i> „ Deck next below <i>7</i> As per Rule <i>5</i>					Casting or Forging. Scantlings. Maker's Name. Any departure from approved plans to be noted.
<b>KEEL, Bar</b> ..... <i>Flat plate</i> <b>STEM</b> ..... <i>Roller steel bar 8 x 2 1/8</i> <i>✓</i> <b>STERN FRAME</b> { Propeller Post ..... <i>Cast as per Beardsmore &amp; Co.</i> { Rudder „ ..... <i>Steel plan</i> <b>RUDDER—A x D</b> ..... <i>245.4</i> <b>Speed of Vessel</b> ..... <i>18 knots</i> <b>RUDDER</b> main piece at head ..... <i>Stock steel forging</i> „ „ feet ..... <i>Same steel</i> „ how constructed ..... <i>built</i> „ double or single plate ..... <i>.50 thick</i> „ coupling, vertical or horizontal..... <i>horizontal</i>					
<b>STIFFENERS.</b> Plating Thickness. VERTICAL. HORIZONTAL. Scantlings. Spacing. Scantlings. Spacing.					
<b>MIDSHIP BULKHEAD, Upper</b> <i>No 92.</i> <i>.30</i> <i>5 x 3 x 34 L 30</i> <i>✓</i> „ „ <i>Second</i> „ <i>✓</i> „ „ <i>Third</i> „ <i>✓</i> „ „ <i>Holds</i> ..... <i>.36 6 x 3 x 32 L 28</i> <i>✓</i> <b>COLLISION</b> „ (in Hold) ..... <i>.42 6 x 3 x 38 L 24</i> <i>flat</i> <b>AFTER PEAK</b> „ „ ..... <i>.75 3 1/2 x 3 x 36 L 30</i> „ „ ..... <i>.26 2 as appd.</i>					
<b>STEEL.</b> Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). <i>The Steel Co. of Scotland Ltd., Colvilles Ltd., Skinningrove Iron Co. Ltd.</i> Has the Steel been tested as required by the Rules? <i>Yes.</i>					<i>Open hearth</i> <i>Lloyds Register</i> <i>Foundation</i>



EQUIPMENT No 28567										LETTER W	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.			
34917	1st Bower ...	50	3	14	42	18	1	21	50	Byers Improved Stockless			—	LPHS 28 <sup>th</sup> Aug 1934 Butler	
34915	2nd „ ...	50	0	14	42	9	0	7	50	do.			—	do. do.	
34918	3rd „ ...	50	0	14	42	9	0	7	49 1/2	do.			—	do. do.	
	Collective weight.	151	0	14					149 1/2						
34887	Stream .....	17	3	0	18	16	1	0	17 1/2	do.			—	LPHS 15 <sup>th</sup> Aug 1934 G. Mann	

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.	Diam.					Length.	Chr.		Length.	Chr.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.						Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
36045	270	2 1/8	76 5/10	107 1/10	574.0-19	573 3/4	270	2 1/8	Stud link	—	LPHAC 31 <sup>st</sup> Aug 1934	Wright	S.W. TOWLINE	120	4 1/2	43.3	120	4 1/2	
													SW HAWSERS & WARPS	2090	2 1/2	13.2	2090	2 1/2	
														2090	2 1/2	13.2	2090	2 1/2	
49939	90	1 3/16	25 3/8	38	65-1-0	65 1/4	90	1 3/16	Stud link	—	LPHCH 10 <sup>th</sup> July 1934	Norman	"						
Iron Stream Chain Stevedoring													"						

Steering Gear, <del>Steam</del>	Elect. Hyd.	Brown Bros.	Steering Gear, Hand	-	
Boats	8	Steering Chains, Size and Test	none	Windlass	Clarke Chapman & Co.
Ceiling in Holds, thickness and material	2 1/2" W.P.	Cargo Battens, thickness, material and spacing	6" x 2" W.P. @ 6" clear		
Cargo Hatchways. — (Upper Deck)	Steel plates & angles	Thickness of Hatches	Steel covers.		
Size of No. 1 Hatchway (Forward)	10'-10" x 10'	No. 2	19'-6" x 10'	No. 3	19'-6" x 10'
		No. 4	-	No. 5	-
		No. 6	-		
Number of Shifting Beams and/or Fore and Afters	-				

FOR ALEXANDER STEPHEN & SONS, LIMITED

Builder's Signature Alex. MacKelligan Director

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel yes (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo no The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

The materials and workmanship are good.

The vessel has been built in accordance with the approved plans, the Secretary's letters of various dates, and in conformity with the Rules for the Class contemplated. The vessel is constructed to carry oil fuel in Nos. 4-5 x 6 D.B. tanks, deep tanks fore and aft machinery space and in deep oil fuel bunkers p. & s. in machinery space. The tanks, decks, bulkheads & w. t. doors have been tested in accordance with the Rules & the requirements of Sect. 20 of the Rules have been complied with where applicable.

The freeboard has been verified and the freeboard markings cut in on the vessel's sides.

The amount of Entry Fee	£ 8 : 0 : 0	Fees applied for,	28 JAN 1935
Special Survey Fee	£ 289 : 6 : 0	Received by me,	28-3-35
Travelling Expenses, if any	£ 15 : 0 : 0		29/3
State whether the Vessel has been built under Special Survey	yes	I am of opinion the Vessel should be Classed	+ 100 RI
Certificate to be sent to	GLASGOW	Signature	A.W. Patterson
Date of issue	29/3/35	Surveyor to Lloyd's Register of Shipping.	

Committee's Minute GLASGOW 29 JAN 1935

Character assigned + 100 RI.

with freeboard 1.35

Lloyd's at CP.

+ L.M.C. 1.35. FD

Fitted for oil fuel 1.35 F.P. above 150°F.

Rudder Electrically welded

Top-sides - Special Quality Steel

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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.)

List of approved plans forwarded herewith:—

✓ Midship Section as built (forwarded in advance)

- |                                       |  |
|---------------------------------------|--|
| ✓ Rudder                              | ✓ amended pillars at "C" & "D" decks         |
| ✓ Stern frame                         | ✓ lub. oil tanks                             |
| ✓ prop. brackets                      | ✓ tiller crosshead.                          |
| ✓ mid. Section                        | ✓ bulk 108                                   |
| ✓ profile                             | ✓ W.T. valve box for main inject.            |
| ✓ decks                               | ✓ W.T. bulks. 69-70 - O.F. tanks aft.        |
| ✓ Keel butts                          | ✓ pillars & girders in E & B spaces          |
| ✓ F.W. tanks                          | ✓ E & B casing                               |
| ✓ Strength. D.B. fwd.                 | ✓ Boat dk plating                            |
| ✓ Boss framing                        | ✓ Mast. to pillars & girders at A & B decks. |
| ✓ W.T. bulkheads fwd. & aft (2)       | ✓ Stern cants.                               |
| ✓ Rudder plan for E.W.                | ✓ deck house on "A" deck                     |
| ✓ Webs in way of boss frames @ 15-19. | ✓ bulwarks & curtain plates                  |
| ✓ deep ballast & oil fuel tank fwd.   | ✓ hatch webs.                                |
| ✓ running list.                       | ✓ pumping plan                               |
| ✓ pillars & girders fwd. & aft (2)    | ✓ gangway doors.                             |
| ✓ painting ang't.                     |  |

3. forging certificates.

Note:— The Keel butts and rudders have been electrically welded and the requirements of the Rules for electric arc welding have been complied with.

A.W.D.

Extreme breadth of vessel over rubbing pieces — 50'-5"

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

1st Bower	34-7-7	—	A.P.	— 131 —	28 <sup>th</sup> June 1934.
2nd "	34-2-14	—	A.P.	— 111 —	25 <sup>th</sup> June 1934.
3rd "	34-2-0	—	J.D.	— 101 —	19 <sup>th</sup> June 1934.
Stream	12-1-0	—	J.D.	— 84 —	6 <sup>th</sup> June 1934.

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

No. and Material of Decks (This information is to be given as it should appear in the Register Book) 3 dks (Stl - Upper dk pt tanks)

Official No. ☒ Signal Letters ☒ Is bottom of Vessel coated with cement ☒ pt. cement if not give particulars of composition

Bulkheads:— 1 (Coll.) to upper alk. — 7 to 2<sup>nd</sup> dk.

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	28.16	33.8	Fore peak tank,	✓	18.1
Double bottom, under Engines and Boilers,	84.5	242	After peak tank,	✓	25.5
Double bottom, if under Engines only,	✓		Deep tank, aft (F.W. tanks & P.S.)	13	48.0
Double bottom, if under Boilers only,	✓		Deep tank, forward,	19.5	177.0
Double bottom, forward,	114.83	156.8	Other tanks, if fitted,	✓	
Total length D.B. 227'		432.6	(If necessary, furnish further information by sketch.)		
226.49			* The wells are not to be included in the lengths of the tanks.		

Order for Special Survey No. 696

Date 17. 3. 34

Dates of Surveys held while building

1934 Apr: 3. 5. 6. 17. 23. 26. 30 May: 7. 10. 14. 17. 21. 24. 30 June: 1. 8. 14. 20. 25. 28 July: 3. 6. 9. 10. 25. 30 Aug: 3. 14. 17. 23. 29. 31 Sep: 3. 4. 6. 7. 12. 17. 18. 25. 27 Oct: 1. 3. 4. 8. 9. 11. 15. 17 18. 19. 22. 23. 24. 25. 29. 31 Nov: 1. 2. 5. 7. 8. 12. 13. 14. 16. 17. 19. 20. 22. 27 Dec: 3. 5. 6. 12. 18 1935 Jan: 4. 8. 11. 12. 15. 16. 17. 22. 22. 23

Total No. of Visits 86