

STEEL ~~STEAMER~~ MOTORSHIP.

Received at London Office 1 SEP 1928

State of Report has been sent on the Freeboard of the Vessel *yes*State of Report is sent on the Machinery of the Vessel *yes*Date of completion of report *3/8/28*Port of *Glasgow*No. *4 8 3 2 6*Survey held at *Glasgow*Date First Survey *6.5.27*Last Survey *21. Aug.*

1928

On the (State if Machinery fitted Aft and)
(if Single, Twin or Triple Screw)*T. S. M. V. "KARAMEA" (Machinery fitted Amidships)*State Type (Full Seaming, Complete Superstructure
with or without Tonnage Openings)*Complete Superstructure with Tonnage
Opening*State Type of Erections *Bridge & Fide*TONNAGE under
Tonnage Deck*7454.57*CLASS *100 A.I.*State if with freeboard
as condition of Class *yes*Built at *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 *481*

Breadth (greatest moulded)

B *64*

Total

*7454.57*Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c)D *42.375*

Gross Tonnage

8281.05

Register Tonnage

*5052.48*1st Longitudinal Number (L x D) = *20382*2nd Numeral L x (B + D) = *57166*Framing Depth "d," at middle of length. See
Sec. 3 (1d)*18.89*Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel*11.21*Do. Long Bridge to top
of keel*9.45*

Draught Moulded

*28-7 1/4*Launched *8 May 1928* Yard No. *626*Builders *The Fairfield S. & E. Co. Ltd*Owners *Shaw Savill & Albion Co. Ltd*Managers *do*

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

Residence *London*Port of Registry *Southampton*

If surveyed while building, afloat, and in dry dock

Yes

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	<i>33</i>		Bracket Floors, Frame		
" " from 1/2 length to Collision bulkhead	<i>27</i>		" " Reversed Frame		
" " in peaks	<i>24</i>		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>4 1/2 x 64</i>	
Frame Amidships, Angle, [or]	<i>9 x 3 1/2 x 3 1/2</i>		" " top Angles	<i>7 1/2 x 3 1/2</i>	<i>60</i>
In way of panting arrangements	<i>10 3 1/2 x 5 1/2</i>		" " bottom Angles	<i>7 1/2 x 5</i>	<i>70</i>
Extends up to	<i>upper deck clear of B.</i>		Side Girders, No. each side and thickness	<i>2 x 46</i>	
upper and B.B. all in way of B.			Margin Plate depth (excl. of flange) and thickness	<i>4 1/2 x 60</i>	
Reversed Frame Amidships, Angle	<i>4 3 1/2 x 3 1/2</i>		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<i>6 6 50</i>	
In way of panting arrangements	<i>4 1/2 x 4 1/2</i>		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	<i>6 6 50</i>	<i>6 x 6 x 50 and 3 1/2 x 3 1/2 x 50 back bars</i>
Extends up to	<i>3rd deck</i>		" " Gussets, spacing and scantling abaft 1/2 len. from stem	<i>Continuous Plate 50</i>	
Depth of Framing Girder	<i>10" and 9"</i>		" " Gussets, spacing and scantling forward 1/2 len. from stem	<i>Plate 50</i>	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	<i>9 x 3 1/2 x 3 1/2</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>7 1/2 x 50</i>	
" " Second 'tween Decks, Angle, [or]	<i>do.</i>		INNER BOTTOM PLATING.		
Third			Breadth and thickness of Middle Line Strake	<i>58 x 58</i>	
Framing in Peaks, Angle or [<i>9 3 1/2 x 3 1/2</i>		Thickness of remainder in Holds	<i>50 to 46</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	<i>7/8 0 5 1/2</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>	
State if Frame Joggled	<i>yes</i>		BEAMS.		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>Deep framing and 3 hold straps per app. plan</i>		Uppermost Continuous Deck, amidships in Wells, Angle, [or]	<i>8 x 3 1/2 x 3 1/2</i>	<i>32</i>
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars	<i>as per app. plan</i>		" " in way of Bridge, Angle, [or]	<i>8 x 3 1/2 x 3 1/2</i>	<i>32</i>
SINGLE BOTTOM.			Spacing	<i>33, 27, 24</i>	
Floors, Depth and thickness at mid-line in Holds			Second Deck, amidships, Angle, [or]	<i>9 x 3 1/2 x 3 1/2</i>	<i>35</i>
Height of Brackets at side above base line at toe of frame			In way of oil fuel bunkers aboard machinery space	<i>9 x 3 1/2 x 3 1/2</i>	<i>35 1/4</i>
Middle Line Keelson, on Floors, Angles, [or]			Spacing	<i>33, 27, 24</i>	
" " Through Plate or Intercostal Plate			Third Deck, amidships, Angle, [or]	<i>10 x 3 1/2 x 3 1/2</i>	<i>50</i>
" " Foundation Plate on Floors			In way of oil fuel bunkers aboard motor room	<i>12 x 3 1/2 x 3 1/2</i>	<i>50</i>
" " Flat Plate Keel Angles			Spacing	<i>33 27 24</i>	
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, [or]		
" thickness of Intercostal Plate			Spacing		
DOUBLE BOTTOM.			Peep Deck, Angle, [or]		
Solid Floors, thickness and spacing	<i>46, 33 apart</i>		Spacing		
" " Are Frame and Reversed Frame joggled?	<i>yes</i>		Bridge Deck, Angle, [or]	<i>8 x 3 1/2 x 3 1/2</i>	<i>32</i>
Bracket Floors, breadth and thickness at middle line			Spacing	<i>33</i>	
" " breadth and thickness at margin plate			Forecastle Deck, Angle, [or]	<i>10 x 3 1/2 x 3 1/2</i>	<i>48</i>
			Spacing	<i>54 and 48</i>	

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.....	Two rows of				Stringer Plate, breadth and thickness in way of Bridge	52	40	
" in 'tween Decks, Size and Spacing.....	widely spaced				Thickness of Plating abreast Deck openings in way of Wells		42	
" " " " " "	pillars with				Thickness of Plating abreast Deck openings in way of Bridge	42	36	
" in Holds " " "	deck girders				Thickness of Plating within line of openings..		36	
" " " " " "	as per approved plans				If Sheathed, material and thickness			
Centre Line Bulkhead.					Third Deck.			
Stiffeners and Spacing.....					Stringer Plate, breadth and thickness.....	60	40	52
Plating, thickness of					If Plated, state thickness.....	30	32	36
STRINGERS AND DECKS.					Fourth Deck.			
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....			
Stringer Plate, breadth and thickness in Wells	69	78	Rule 73		If Plated, state thickness			
" " " " in way of Bridge	52	46			Poop Deck.			
" Angle in Wells	6	6	73		Stringer Plate, breadth and thickness			
Thickness of Plating abreast Deck openings in way of Wells		55	Rule 50		Plating, Sheathing, material and thickness			
Thickness of Plating abreast Deck openings in way of Bridge		42			Bridge Deck.			
Thickness of Plating within line of openings...	44	36			Stringer Plate, breadth and thickness.....	68	55	Rule 50
If Sheathed, material and thickness					Plating, Sheathing, material and thickness	53	49	Rule 48
Second Deck.					Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...	52	46			Stringer Plate, breadth and thickness	36	29	
					Plating, Sheathing, material and thickness	30	Plating	

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. 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	56½	90	81	81	/	Double	1	3½	Four	1	4	Lapped
DRG. (if any)												
BOTTOM PLATING, No. of Strakes 4.....	70	70	55	55	/	Double	7/8	3.3	Four	7/8	3½	Lapped
BILGE PLATING, No. of Strakes 2.....	75	73	55	55	Rule 70 & 68	"	"	"	1 Four 1 Three	7/8	3½ 3 1/8	"
SIDE PLATING, No. of Strakes 4.....	68	68	51	51	" 68	"	"	"	Three	"	"	"
UPPER DECK, Sheer-strake in Wells.....	75	84	51	51	" 52½ x 79	"	1	3½	Four	1	4	"
UPPER DECK, Sheer-strake in Bridge ...		73			" 68	"	7/8	3.3	"	7/8	3½	"
STRAKE BELOW Sheer-strake in Wells.....	75	79	51	51	" 52½ x 74	"	"	"	"	1	4	"
STRAKE BELOW Sheer-strake in Bridge ...		68			/	"	"	"	"	7/8	3½	"
POOP SIDE PLATING												
BRIDGE SIDE PLATING ...		64			Rule 59	Double	7/8	3.3	Three	7/8	3½	Lapped
FORECASTLE SIDE PLATING			45		/	Single	¾	3	Two	¾	2½	"

WATERTIGHT BULKHEADS. * 3 Shakes P/S midship thickness to collision bulk

WATERTIGHT BULKHEADS.					FORGINGS and CASTINGS.				
Total No. of W.T. BULKHEADS in Vessel—	Eight					Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
Extending to Upper Deck (Sec. 3 c)	One				KEEL, Bar				
" Deck next below	Seven				STEM	Rolled bar	11 x 24	Barrow	
As per Rule or approved	Eight				STERN FRAME {	Steel	11 x 12	Steel	
					Propeller Post	Castings	2 1/2 x 4 1/2	Compagny	
					Rudder "			Scotland	
					RUDDER—A x D		774		
					Speed of Vessel		14 1/2	Knots	
					RUDDER mainpiece at head ...	Steel	13 1/2	Darlington	Rule 13 dia
					" " heel ...	Forging	10 1/2	Forge	Std
					" how constructed	Forged	frame	shrunken on arms	
					" double or single plate		Single plate	1-16	
					" coupling, vertical or horizontal		Horizontal		

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?	
	South Durham Iron & Steel Coy, Cargo Fleet Iron Coy, Wm Beardmore & Co, Steel Coy of Scotland, David Colville & Sons, Lanarkshire Steel Coy, Dorman Long & Co.	
	Yes	

EQUIPMENT No. 53683

LETTER *ft*

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.				
89841	1st Bower ...	96	0	21	Stockless			66	2	2	0	90	Halls C.S. Head	Hingley & Sons	Ketterston 14/48	Green
89895	2nd „ ...	95	1	14	do.			65	15	0	0	90	do.	do.	do	23/4/28 do.
89896	3rd „ ...	93	2	21	do.			65	0	0	0	74½	do.	do.	do	do do do.
	Collective weight.	285	1	0								257½				
89815	Stream	26	2	6	6	3	22	26	1	3	14	26½	Ordinary	do.	do	22/3/28 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.	Stain- ing.	Break- ing.	Supplied.	Per Rule.		Length.	Diam.					Length.	Cir.		Length.	Cir.
80844	150	2½	120½	149½	52½	3.13	1040	300	2½	Stud link	Hingley & Sons	Ketterton 23/48 Green	TOWLINE	130	5½	88	130	6
80849	150	do.	do.	do.	52½	2.18				do	do	do 23/48 do.	HAWSERS & WARPS	2-100	3½	26	2-100.	2¾
	300												"	2-100	3½	26	2-100.	2¾
		Cir.											"	6-100	8	manila	6-100.	8
Iron-Stream Chain or Steel Wire	120	5			73	Special Florida with Owners Sanction	120	5½	Stud wire	British Rope Co.								

Steering Gear, Steam Electric Hydraulic by Kaskie & Co.

Steering Gear, Hand None

Boats Four

Steering Chains, Size and Test None

Windlass Electric by Chapman & Clarke

Celling in Holds, thickness and material Insulated

in Shelter & Bridge Tween Decks

Cargo Battens, thickness, material and spacing 6" x 2" pine, 9" spaces

Cargo Hatchways. (Upper Deck)

Steel coverings 30" x 44"

Thickness of Hatches

2½" pine

Size of No. 1 Hatchway (Forward)

18' x 16'-6"

No. 2 27'-6" x 16'-6"

No. 3 16'-6" x 16'-6"

No. 4 19'-3" x 16'-6"

No. 5 22'-0" x 16'-6"

No. 6 16'-6" x 16'-6"

Number of Shifting Beams and/or Fore and Afters

3 webs in No. 1, 2, 4, 6 Hatches 4 in No. 5 and 5 in No. 2

No fore and afters

THE FAIRFIELD SHIPBUILDING

AND ENGINEERING CO., LIMITED

Builder's Signature

MANAGER.

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.

Materials and Workmanship are good

This vessel has been built in accordance with the approved plans, the Secretary's letters of various dates and in general conformity with the Rules for the Class contemplated.

The vessel is constructed to carry oil fuel in the double bottom spaces in way of the Motor Room, in wing tanks, P.S., abreast the motor room in the Tween Decks and in the deep oil fuel bunker forward of the motor room.

The tanks, bulkheads, tunnels, and W.T. door, have been tested in accordance with the Rules, and the requirements of Section 35 of the Rules have been complied with, where applicable. The freeboards have been verified and the freeboard marks cut in on the vessel's sides. For particulars of Refrigeration Machinery and appliances, and insulation, see separate report. Vessel is a sister ship of M.V. "Taranaki" the same Builder's No. 625 (Sept 17/1938) Record for Register. Port Cement

The amount of Entry Fee £ 11 : 0 : 0

Fees applied for,

B - SEP 1928

Special Survey Fee.... £ 407 : 0 : 6

Received by me,

Travelling Expenses, if any £ 12 : 16 : 8

I am of opinion the Vessel should be Classed *+100. A.I. with freeboard.*

State whether the Vessel has been built under Special Survey

yes

Signature

*George Nicol*Certificate to be sent to *Glasgow* Date of issue *4/9/28*

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUE. 4 SEP 1928

Character assigned

*+100ft With freeboard
Lloyd's arch
+ dmb 8.28**Write Glasgow
" Gt's**Oil Engines 2 D.B. - 100 lbs*

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Lloyd's Register
Foundation

01052/12

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.)

The following plans forwarded

- Midship Section
- do vessel as built (will follow 4/9/28)
- Profile and deck plans
- Pillars and Girders forward (2 plans)
- Pillars and Girders - profile
- Pillars and Girders - details
- Shell plan
- Boat deck
- Rudder
- Stern Frame
- Modification to Scarp of Stern Frame
- Deep Tanks, Wing tanks at Sides of Engine Casing and pillars in Engine Room
- Pumping plan
- Proposed modification of Pillars in way of Shell tunnels (2 plans)
- After end framing
- Hatch plan
- Strengthening of Bottom forward
- Fore end beams and stringers (Elevation)
- Side stringers forward (Elevation Sections, 2 plans)
- Cast Steel Propeller Brackets
- Modification to framing and Tank Trays aft.
- Bulkhead Stiffeners in way of deck girders
- Girders in way of Store Rooms
- Peak Bulkheads
- Deck Houses on Bridge
- Pipe passage through Deep Tank
- Stiffening in way of Engineers Workshop and Dynamo Room
- Connections of Tank Sides in Machinery Space
- Structure of Double Bottom in way of Engine Room

Reports

Stern Frame

Rudder

Giller

Mutton Port frames re (see N. 625 vessel's reports)

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

1st Bower

62. 3. 4. K. H. 4913, 30. 9. 27.

2nd "

59. 0. 19. H. B. 3519, 8. 3. 28.

3rd "

58. 2. 2. H. B. 3521, 8. 3. 28.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge 173.25 ft., Forecastle 60. (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) 2 decks (Steel) Shelter Deck (under Motor Sp)

Official No. 149326; Signal Letters

Is bottom of Vessel coated with cement Yes, wapt. if no

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water
Double bottom, aft, Motor space + in D.T.	118.25	308.5W	Fore peak tank,	23	14
Double bottom, under Engines and Boilers,	88.00	583. "	After peak tank,	19	7
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, Oil fuel bunkers O.F. 963	19.25	10
Double bottom, forward,	201.25	701 "	Other tanks, if fitted, O.F. Tank at least N.S. 538	57.75	5
			(If necessary, furnish further information by sketch.)	8.25	
			Submerging Oil Tanks 54		

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

Order for Special Survey No. 5835

Date 26. 3. 27

Dates of Surveys held while building

1927 May 6. 23 Jun 1. 8. 15. 21. 24 July 8. 27 Aug 24 Sep 1. 5. 12. 14. 20. 21. 23. 29 Oct 3. 6. 20
30 Dec 14. 21. 23. 27. 29 (1928) Jan 10. 16. 24. 26. 27. 30 Feb. 1. 6. 9. 13. 16. 20. 24. 28 Mar 2. 5. 7. 9
26. 28. 29 Apr 2. 5. 10. 13. 18 May 8. 11. 16. 18. 20. 21. 30. 31 Jun 1. 7. 14. 22 July 24 Aug 1. 7. 8. 21

Total No. of Visits less, 1