

~~or MOTORSHIP~~

24 JUL 1929

Yes

1 yes

10<sup>th</sup> July 1929. Port of Glasgow

Glasgow Date First Survey 31. 1. 29 Last Survey 9th. July 1929

S. S. "MASUNDA"

Full Scantling type State Type of Erections Exp Br & Fc

TONNAGE under } 4912.00 CLASS T 100 RI State if with freeboard } no Built at Linthouse, Glasgow  
Tonnage Deck... } as condition of Class }

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 402.0 } Launched 6 June 1929 Yard No. 524 } Builders R. Stephen & Sons Ltd

Total 4912.00

Gross Tonnage 5250.12

Register Tonnage 3286 1/4 1st Longitudinal Number (L x D)..... = 12462 Managers: ✓  
(Where necessary to be entered in Reg. Book.)

**REGISTERED DIMENSIONS.**  
FEET.

**Framing Depth "d,"** at middle of length. See } 26.65  
Sec. 3 (Id) ..... }

Residence Glasgow

Length 402.5 Proportions—Depth to Length—Uppermost continuous deck to top of keel 12.96 Port of Registry San Francisco

Breadth 55.0 Do. Long Bridge to top of keel } 10.25 If surveyed while building, afloat, or in dry dock

Depth 28.5 Draught Moulded 25.67 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.
<b>FRAMES, Spacing amidships .....</b>	36		<b>Bracket Floors, Frame .....</b>	B.A. 7 3 1/2 .45	
" " from 3/8 length to Collision } bulkhead.....}	27		" " Reversed Frame ...	B.A. 7 3 1/2 .35	
" " in peaks.....	24		" " Vertical Struts .....	Chain 12 x 3 1/2 x 3 1/2 x 48	11 x 3 1/2 x 3 1/2 x 46
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	43	.53
<b>Frame Amidships, Angle, [ or ] .....</b>	10 3 1/2 .46		" " top Angles .....	double 3 1/2 3 1/2 .50	
" " Extends up to .....	Upper deck		" " bottom Angles .....	double 2 1/2 2 1/2 .56	
<b>Reversed Frame Amidships, Angle .....</b>	10 3 1/2 .51		<b>Side Girders, No. each side and thickness .....</b>	one	.39
" " Extends up to .....	Upper deck		<b>Margin Plate depth (excl. of flange) and thickness .....</b>	57	.54
<b>Depth of Framing Girder .....</b>	15 3/4		" " Vertical Angle to Tank side Bracket about 1/2 in. from stem .....	6	6 .52
<b>Frames in Uppermost Continuous tween Decks, Angle, [ or ] .....</b>	Z		" " Vertical Angle to Tank side Bracket forward 1/2 in. from stem .....	6	6 .47
" " Second tween Decks, Angle, [ or ] .....	Z		" " Gussets, spacing and scantling .....	BR 21 x .58 SR 21 x .48 all frames	
" " Third " " " " "	Z		" " Gussets, spacing and scantling forward 1/2 in. from stem .....	17 x .48 every frame	
<b>Framing in Peaks, [ or ] .....</b>	8 3 1/2 .35		<b>Tank Side Brackets, height above base line at toe of frame and thickness)</b>	81	.53
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....</b>	7/8 @ 4 7/8		<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled .....</b>	Yes		<b>Breadth and thickness of Middle Line Strake ...</b>	50 1/2	.50
<b>PANTING ARRANGEMENTS (Sec. 7), state system and particulars .....</b>	stringers & deep frames as per plan		<b>Thickness of remainder in Holds .....</b>		.46
<b>STRENGTHENING OF BOTTOM FORWARD. State Particulars .....</b>	as per approved plan		<b>Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. &amp; B. space and framing in Bunkers and Boiler Room? .....</b>	Yes	
<b>SINGLE BOTTOM.</b>			<b>BEAMS.</b>		
<b>Floors, Depth and thickness at mid-line in Holds .....</b>	Z		<b>Uppermost Continuous Deck, amidships)</b>		
Height of Brackets at side above base line at toe of frame .....			" " in Wells, Angle, [ or ] .....	12 x 3 1/2 x 3 1/2 x 46 / 50	
<b>Middle Line Keelson, on Floors, Angles, [ or ] .....</b>			" " in way of Bridge, Angle, [ or ] .....	9 x 3 1/2 x 42 BR and SR 12 x 3 1/2 x 3 1/2 x 45 / 50	
" " Through Plate or Intercoastal Plate....			Spacing .....	every frame	
" " Foundation Plate on Floors .....			<b>Second Deck, amidships, Angle, [ or ] .....</b>	Z	
" " Flat Plate Keel Angles .....			Spacing .....		
<b>Side Keels, No. each side .....</b>			<b>Third Deck, amidships, Angle, [ or ] .....</b>	Z	
" " thickness of Intercoastal Plate....			Spacing .....		
" " Angles .....			<b>Fourth Deck, amidships, Angle, [ or ] .....</b>	Z	
<b>DOUBLE BOTTOM.</b>			Spacing .....		
<b>Solid Floors, thickness and spacing .....</b>	39 72		<b>Poop Deck, Angle, [ or ] .....</b>	8 3 .35	
" " Are Frame and Reversed Frame joggled? .....	Yes		Spacing .....	every frame	
<b>Bracket Floors, breadth and thickness at middle line.....</b>	32 .44		<b>Bridge Deck, Angle, [ or ] .....</b>	9 3 1/2 .50	
" " breadth and thickness at margin plate.....	40 .44		Spacing .....	every frame	
			<b>Forecastle Deck, Angle, [ or ] .....</b>	10 3 1/2 .40	10 x 3 1/2 x 38
			Spacing .....	all 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.
<b>PILLARS, No. of Rows.....</b>	<i>Center line Bulkhead</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 „ „	-		Thickness of Plating within line of openings...		
„ „ „ „ „	-		If Sheathed, material and thickness .....		
<b>Centre Line Bulkhead.</b>	<i>B.A.</i>		<b>Third Deck.</b>		
Stiffeners and Spacing.....	<i>Stiffeners various sizes as per approved plans</i>		Stringer Plate, breadth and thickness.....		
Plating, thickness of .....	<i>3/8</i>		If Plated, state thickness.....		
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	<i>76 1/4</i>	<i>.92</i>	If Plated, state thickness .....		
„ „ „ „ in way of Bridge	<i>74</i>	<i>.38</i>	<b>Poop Deck.</b>		
„ Angle in Wells .....	<i>6</i>	<i>6</i>	Stringer Plate, breadth and thickness .....	<i>35</i>	
Thickness of Plating abreast Deck openings in way of Wells .....		<i>.85</i>	Plating, <del>Sheathing</del> , material and thickness .....	<i>32</i>	<i>34</i>
Thickness of Plating abreast Deck openings in way of Bridge .....		<i>.38</i>	<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...		<i>.42</i>	Stringer Plate, breadth and thickness.....	<i>57</i>	<i>49</i>
If Sheathed, material and thickness .....	-		Plating, <del>Sheathing</del> , material and thickness .....		<i>46</i>
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	-		Stringer Plate, breadth and thickness.....	<i>35</i>	
			Plating, Sheathing, material and thickness .....	<i>34</i>	

## SHELL PLATING.

SCANTLINGS.					RIVETING.						
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.	
STRAKES.	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL .....	52	79	69	69		Double	7/8 3 3/5	Quad	1	4	lapped
" DBLG. (if any)											
BOTTOM PLATING, No. of Strakes .....	72	68	61	54		"	"	"	7/8	3 1/2	"
BILGE PLATING, No. of Strakes .....	6	68	57	68		"	"	"	"	"	"
SIDE PLATING, No. of Strakes .....	6	68	45	45		"	"	treble	"	3 1/8	"
UPPER DECK, Sheer-strake in Wells .....	65 1/2	90	45	45		"	1 4	Quint	1	4 1/2	"
UPPER DECK, Sheer-strake in Bridge ...	71	68				"	7/8 3 3/5	treble	7/8	3 1/8	"
STRAKE BELOW Sheer-strake in Wells .....	18	74	45	45		"	"	Quad	1	4	"
STRAKE BELOW Sheer-strake in Bridge ...	402	68				"	"	treble	7/8	3 1/8	"
POOP SIDE PLATING .....				38		Single	3/4 3	double	3/4	2 5/8	"
BRIDGE SIDE PLATING ...	59					double	7/8 3 3/5	Quad	7/8	3 1/2	"
FORECASTLE SIDE PLATING		41				Single	3/4 3	Single	3/4	2 5/8	"

## WATERTIGHT BULKHEADS.

Total No. of <b>W.T. BULKHEADS</b> in Vessel—	6
Extending to Upper Deck (Sec. 3 c).....	6
„ Deck next below.....	1
As per Rule.....	6

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
No 107.						
MIDSHIP BULK'D, Upper tween decks						
"	" Second "					
"	" Third "					
"	" Holds .....	✓	42	12x34 1/2x34 1/2	30	✓
		✓	26	8x34 1/2x40 1/2	30	
		✓	50	8x34 1/2x42	24	
COLLISION	" (in Hold) .....	✓	30	6x34 1/2x34	24	Hard beams flat
		✓	35	10x34 1/2x44	24	
AFTER PEAK	" .....	✓	32	6x34 1/2x30	24	flat.

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....		Flat plate		
STEM .....	Roller bar	9 3/4 x 2 1/2		
STERN FRAME {	Propeller Post .....	10 1/2 x 7 1/4	Dennystown	
Rudder ..	Forging	9 x 7 3/4	Forge Co.	
RUDDER—A x D .....		4 2 4		
Speed of Vessel .....		10 1/2 Knots		
RUDDER mainpiece at head ...	Forging	9 1/2	Dennystown	
" " heel ...		7 1/4	Forge Co.	
" " how constructed .....		built		
" " double or single plate		Single plate	1.06	
" " 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)  
Steel Co. of Scotland, David Colvile & Sons Ltd.,  
Steel Co.,  
Has the Steel been tested as required by the Rules? Yes.

EQUIPMENT No. 36450												LETTER 2	ANCHORS.		
Number of Certificate.	Anchor.	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.			
32016	1st Bower	63	3	14	Stallan	50	10	0	0			63 3/4	Byas Stallan	—	LPHS. 24 April 1929 J. H. Butler
32017	2nd "	63	3	14	do	50	10	0	0			63 3/4	do	—	do
32018	3rd "	54	2	0	do	45	1	1	0			54 1/2	do	—	LPHS 23 April 1929 J. H. Butler
	Collective weight.	182	1	0								182			
62163	Stream	17	3	18	IRON 4	2	10	18	18	0	14	17 1/2	Rodgers	Highw. Rd.	LPHT April 25 1929 W. A. Drysdale

CHAIN CABLES.										HAWERS 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.		Ins.	Tons.	Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
64272	135 3/8	2 1/4	9 1/8	127 1/2	342-2-3	{ 682 1/4 }	270	2 1/16	Stud Link	J. Wright & Co.	L.P.H.T. April 12 1929 W. A. Drysdale	SW	120	5	59.7	120	5		
64273	135 1/2	2 1/4	9 1/8	127 1/2	341-2-10		"	"	"	"	do	SW	2090	3 1/4	22	2090	2 3/4		
	270											POWLINE	2090	3	18	2090	2 1/2		
		Cir.						Cir.											
Iron Stream Steel Wire	90	4 3/4		47			90	4 3/4	SW										

Steering Gear, Steam *Caldwell & Co.* Steering Gear, Hand *Satisfactory*  
Boats *2 lifeboats & 2 cutters* Steering Chains, Size and Test *1 3/8" - 22 5/8 tons.* Windlass *Clark & Chapman*  
Ceiling in Holds, thickness and material *2 1/2 W.P. under hatches and over timbers* Cargo Battens, thickness, material and spacing *2 W.P. @ 9"*  
Cargo Hatchways.—(Upper Deck) *Steel plates & angles* Thickness of Hatches *3 W.P.*  
Size of No. 1 Hatchway (Forward) *27' x 20'* No. 2 *30' x 20'* No. 3 *15' x 18'* No. 4 *30' x 20'* No. 5 *30' x 20'* No. 6 *30' x 20'*  
Number of Shifting Beams *Fore and Afters No. 1-2-3 x 4, forward No. 2A two.*  
*FOR ALEXANDER STEPHEN & SONS LIMITED.*  
Builder's Signature *A. M. Stephen* Director

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel — (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo — The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

*The workmanship and materials 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 double bottom tanks and the peak tanks have been tested under water pressure with satisfactory results. The watertight bulkheads, weather decks and tunnel have been hase-tested as required by the Rules. The freeboard markings have been cut in on the vessel's sides and verified.*

The amount of Entry Fee ..... £ 9 : 0 : 0 Fees applied for, *18/7/29*  
Special Survey Fee.... £ 331 : 5 : 0 Received by me, *1.8.29*  
*Freight and Travelling Expenses, if any* £ 10 : 1 : 8  
State whether the Vessel has been built under Special Survey. *Yes* Signature *A. W. Patterson*  
Certificate to be sent to *Glasgow* Date of issue *2/8/29*  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute *GLASGOW 23 JUL 1929*  
Character assigned *+100A1*  
*7.29.*  
*Lloyd's A.R.C.P. + L.M.C. 7.29. F.D.*  
*CD.*

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.
- ✓ Profile
- ✓ Rudder & Stempost.
- ✓ After body bulkheads.
- ✓ Fore body bulkheads.
- ✓ Centre-line bulkhead.
- ✓ Shell expansions.
- ✓ Decks.
- ✓ Plating ang't.
- ✓ Double bottom fwd.
- ✓ Fram'g & stringers in aft peak.
- ✓ Laid on in way of bunkers.
- ✓ Stem Case.
- ✓ Shaft tunnel.
- ✓ Hatch side coamings.
- ✓ Hatch end beams.
- ✓ E. & B. casing.
- ✓ Running gear.
- ✓ Mod. to channel support at hatch ends.
- ✓ Pumping plan.

Midship Section (as built) forwarded in advance.

3 forging reports.

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

1st Bower  
2nd "  
3rd "

Ant. 21. 14 — K.H. — 6270 — 28<sup>th</sup> March 1929.  
40 - 0 - 7 — K.H. — 6241 — 12<sup>th</sup> March 1929.  
34 - 3 - 0 — K.H. — 6184 — 21<sup>st</sup> February 1929.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 44.75 ft., R.Q.D. — ft., Bridge 126 ft., Forecastle 47.5 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)

Official No. ; Signal Letters

particulars of composition

Is bottom of Vessel coated with cement. ft. cm. if not give  
Cement in double bottom tank in way of machinery space, and in peaks.  
Cement fillets & cement wash elsewhere.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	120	511	Fore peak tank,		152
Double bottom, under Engines and Boilers,	45	237	After peak tank,		309
Double bottom, if under Engines only,	—	—	Deep tank, aft,		
Double bottom, if under Boilers only,	—	—	Deep tank, forward,		
Double bottom, forward,	179	710	Other tanks, if fitted,		
	Total capacity of double bottom	1458			

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

Order for Special Survey No. 5986

Date 14.3.29

Dates of Surveys held while building

1929 Jan 31 Feb. 13.18.20.27 Mar 6.16.19.21.26.28 Apr 8.10.16.19.25 May 1.7.9.14.16.17.21.23  
24.28.29.31 June 4.5.6.10.11.18.20.24.25 July 3.4.9

Lloyd's Register  
Total No. of Visits 40