

STEEL STEAMER OR MOTORSHIP.

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 July 1947*Port of *Sunderland*No. *34719*Survey held at *Sunderland*Date First Survey *31 October 1946*Last Survey *4 July*

1947

On the *S S "Martin Carl"**Mechy amidships*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full Scantling*State Type of Erections *Code bridge, R.20*TONNAGE under Tonnage Deck ... *Later*CLASS *+100A1*State if with freeboard as condition of Class *No*Built at *Sunderland*

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 307.00*Launched *21st April 1947* Yard No. *389*Breadth (greatest moulded) *B 44.75*Builders *Messrs S. P. Austin & Son, 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 20.25*Owners *A/S Dampskibsselskabet*1st Longitudinal Number (L x D) *= 6216.75*Managers *Mc Carl*

(Where necessary to be entered in Reg. Book)

2nd Numeral L x (B + D) *= 19955.00*

Residence

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

Proportions—Depth to Length—Uppermost continuous deck to top of keel *15.15*Port of Registry *Copenhagen*Do. Long Bridge to top of keel *11.06*

If surveyed while building, afloat, or in dry dock

Draught Moulded *18'-11 1/2"**Whilst building on pontoon*

FRAMES, DOUBLE BOTTOM AND BEAMS.

Paul Carl

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
AMES, Spacing amidships	27 ✓		Bracket Floors, Frame	-	
" " from 1/2 length amidships to Collision bulkhead	27 ✓		" " Reversed Frame	-	
" " in peaks	23 1/2 ✓		" " Vertical Struts	-	
E FRAMING.			Centre Girder, depth and thickness amidships	35 1/2 x 42 ✓	
Frame Amidships, Angle, <i>C</i> or <i>C</i> ✓	8 3 48 ✓		" " top Angles <i>double</i>	3 3 38 ✓	
" " Extends up to	<i>U. or RQ dk.</i> ✓		" " bottom Angles <i>do</i>	3 1/2 3 1/2 42 ✓	
Reversed Frame Amidships, Angle <i>Nº 99-103</i>	5 3 1/2 40 ✓	<i>owing to omission of bulkhead</i>	Side Girders, No. each side and thickness	1 @ 32 ✓	
" " Extends up to	<i>U.D.</i> ✓		Margin Plate depth (excl. of flange) and thickness	26 1/2 x 42 ✓	<i>app. 25"</i>
Depth of Framing Girder	8 ✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	6 6 38 ✓	<i>@ J.D. see later 18-8-47</i>
Frames in Uppermost Continuous 'tween Decks, Angle, <i>C</i> or <i>C</i>	-		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	6 6 38 ✓	
" " Second 'tween Decks, Angle, <i>C</i> or <i>C</i>	-		" " Gussets, spacing and scantling abaft 1/4 len. from stem	-	
" " Third " " " "	-		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	<i>alt. frames under 6 @ 38</i> ✓	
" " from 1/2 len. for'd. to 15% len. from Stem	9 3 1/2 40 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	48 1/2 x 38 ✓	
" " in Peaks, Angle or <i>C</i> ✓	6 3 34 ✓		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 @ 4 7/8 ✓		Breadth and thickness of Middle Line Strake	54 x 40 ✓	<i>app. 45 1/2"</i>
State if Frame Joggled	<i>Yes</i> ✓		Thickness of remainder in Holds	36 ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>Yes</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> ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>Yes</i> ✓		BEAMS.		
GLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle <i>C</i> or <i>C</i>	6 3 36 ✓	
Floors, Depth and thickness at mid-line in Holds	-		" " in way of Bridge, Angle, <i>C</i> or <i>C</i> ✓	6 3 28 ✓	
Height of Brackets at side above base line at toe of frame	-		Spacing	27 ✓	
Middle Line Keelson, on Floors, Angles, <i>C</i> or <i>C</i>	-		<i>R.Q.</i> Second Deck, amidships, Angle, <i>C</i> or <i>C</i> ✓	6 3 28 ✓	
" " Through Plate or Inter-costal Plate	-		Spacing	27 ✓	
" " Foundation Plate on Floors	-		Third Deck, amidships, Angle, <i>C</i> or <i>C</i>	-	
" " Flat Plate Keel Angles	-		Spacing	-	
Side Keelsons, No. each side	-		Fourth Deck, amidships, Angle, <i>C</i> or <i>C</i>	-	
" " thickness of Inter-costal Plate	-		Spacing	-	
" " Angles	-		Poop Deck, Angle, <i>C</i> or <i>C</i>	5 3 38 ✓	
DOUBLE BOTTOM.			Spacing	23 1/2 x 27 ✓	
Solid Floors, thickness and spacing	36 @ 27 ✓		Bridge Deck, Angle, <i>C</i> or <i>C</i> ✓	6 3 28 ✓	
" " Are Frame and Reversed Frame joggled?	<i>Yes</i> ✓		Spacing	27 ✓	
Bracket Floors, breadth and thickness at middle line	-		Forecastle Deck, Angle, <i>C</i> or <i>C</i> ✓	6 3 26 ✓	
" " breadth and thickness at margin plate	-		Spacing	23 1/2 x 27 ✓	

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											
,, in 'tween Decks, Size and Spacing											
,, ,, ,, ,, ,,											
,, in Holds ,, ,, ,,											
,, ,, ,, ,, ,,											
Centre Line Bulkhead.											
Stiffeners and Spacing		B.A. 2 1/2" x 4' 6"		8 3 38 ✓							
Plating, thickness of				30 ✓							
STRINGERS AND DECKS.											
Uppermost Continuous Deck.											
Stringer Plate, breadth and thickness in Wells		90 ✓		x 106 ✓							
,, ,, ,, ,, in way of Bridge		48 ✓		x 34 ✓							
,, Angle in Wells		6 6 60		Apr 5x5 ✓							
Thickness of Plating abreast Deck openings } in way of Wells		80 4 60 ✓									
Thickness of Plating abreast Deck openings } in way of Bridge.....		40 - 30 ✓									
Thickness of Plating within line of openings...		36 - 30 ✓									
If Sheathed, material and thickness.....											
Second Deck.											
Stringer Plate, breadth and thickness in Wells		68 x 46 ✓									
Stringer Plate, breadth and thickness in way of Bridge											
Thickness of Plating abreast Deck openings } in way of Bridge.....											
Thickness of Plating within line of openings...											
If Sheathed, material and thickness.....											
Third Deck.											
Stringer Plate, breadth and thickness.....											
If Plated, state thickness											
Fourth Deck.											
Stringer Plate, breadth and thickness.....											
If Plated, state thickness.....											
Poop Deck.											
Stringer Plate, breadth and thickness.....		30 8 26 ✓									
Plating, Sheathing, material and thickness ..		30 8 26		12 1/2 wood							
Bridge Deck.											
Stringer Plate, breadth and thickness.....		49 x 34 ✓									
Plating, Sheathing, material and thickness ..		34 1/2 30 ✓									
Forecastle Deck.											
Stringer Plate, breadth and thickness.....		32 ✓									
Plating, Sheathing, material and thickness...		30 1/2 55		under wind							

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? <i>no.</i>	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.....	45✓	60✓	56✓	56✓		2✓	7/8	3 3/8✓	3✓	7/8	3 1/2✓	Lapped	
„ Dblg. (if any)													
Bottom Plating, No. of Strakes <i>A B C</i>	72	51✓	56✓ 47	43✓		2✓	3/4	3✓	3✓	3/4	3✓	Lapped	
Bilge Plating, No. of Strakes <i>D</i>	68	51✓	47✓	43✓		2✓	3/4	3✓	3✓	3/4	3✓	"	
Side Plating, No. of Strakes <i>E F</i>	68 1/2	51✓	47✓	40✓		2✓	3/4	3✓	3-2✓	3/4	3✓	"	
Upper Deck, Sheer- strake in Wells <i>H</i>	48✓	85✓	40✓	40✓	<i>see plan</i>	2✓	7/8	3 3/8✓	4-3✓	1✓	4✓	"	
Upper Deck, Sheer- strake in Bridge <i>H</i>		51✓	-	-		2✓	7/8	3 3/8✓	3✓	7/8	3 1/2✓	"	
Strake below Sheer- strake in Wells <i>G</i>	48✓	66✓	40✓	40✓	<i>see plan</i>	2✓	7/8	3 3/8✓	3✓	7/8	3 1/2✓	"	
Strake below Sheer- strake in Bridge <i>G</i>		51✓	-	-		2✓	3/4	3✓	3✓	3/4	3✓	"	
Poop Side Plating.....				34✓		1✓	3/4	3✓	2✓	3/4	3✓	"	
Bridge Side Plating.....		51✓					-	-	3✓	7/8	3 1/2✓	"	
Forecastle Side Plating			36✓			1✓	3/4	3✓	2✓	3/4	3✓	"	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— *4 for record*
Extending to Upper Deck (Sec. 3 c) *5*
,, Deck next below
As per Rule *Q.R.*

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Depart from Approved Plans to be Noted.
KEEL, Bar				
STEM				
STERN FRAME {				
Propeller Post	F.			
Rudder "				
Speed of Vessel				
RUDDER—Type				
" A x D				
" Diam. of head	F			
" Mainpiece at top pintle	F			
" " heel				
" how constructed				
" double or single plate coupling, vertical or horizontal				

			Plating Thickness.	STIFFENERS.			
				VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP	BULKH'D,	Upper 'tween decks	-				
"	"	Second	"				
"	"	Third	"				
"	"	Holds	FR 77	40-30	7x3x40 BA	24	10x30 girders 6x3x30 face angles SB beam chain locker flat FR 77 5x3x40 L also SB beam & mess
COLLISION	"	(in Hold)		39-26	6x3x36 BA	24	
AFTER PEAK	"			55-30	5x3x30 L	24	

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth.*
Appley, Frodingham, Cargo Steel, Consett, Dorman Long, Skinningrove & South
Durham.
Has the Steel been tested as required by the Rules? *Yes.*

EQUIPMENT No. 22134 ✓

LETTER "T" t

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.						
3679	1st Bower	43	0	0	✓	-	-	37	17	2	0	✓	42	Hingley's Challenge	N Hingley	Neth 30.4.47 J Ref. ✓	
3670	2nd "	42	1	0	✓	-	-	37	6	1	0	✓	42	"	"	" 28.4.47 " ✓	
3669	3rd "	36	2	0	✓	-	-	33	8	3	0	✓	35½	"	"	" 28.4.47 " ✓	
	Collective weight	121	3	0	✓	-	-					✓	119½	"	"	" 28.4.47 " ✓	
63693	Stream	11	1	0	✓	3	0	7	13	2	2	0	✓	11	Steel stock	-	CH 1.3.47 W. P. ✓

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.	
	Fathoms.	Diam.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Cwts.	Fathoms.	Diam.					Length.	Ins.		Length.	Ins.
7594	120	1 7/8	63 1/2	88 1/2	216.1.8	425 1/4	✓	240	1 7/8	Stud link	N. Hingley	N. 25.6.47 J. Ref.	TOWLINE HAWSERS & WARPS	100	4	33.2	100	4
7642	120	1 7/8	"	"	216.2.4	432.3.12	✓			do.	do	N. 25.6.47 "		2090	2 1/2	13.2	2090	2 1/2
														2090	2 1/4	10.8	2090	2 1/4
Iron Stream Chain or Steel Wire	75	1 1/4	36	44				75	1 1/4									

Gear, Type (Power or hand) Electric motor ✓Alternative Means of Steering Hand gear ✓Chains (Size and Test) Direct to rudder head ✓Windlass Emerson Walker ✓
Boats 2 lifeboats 25'
metal dangle 16'
fram 16'Holds, thickness and material 2 1/2" O.P. ✓Cargo Battens, thickness, material and spacing 7x2 @ 9" ✓Hatchways.-(Upper Deck) Plates & angles ✓Thickness of Hatches 2 7/8" 2 1/2" ✓Hatchways No. 1 (Fwd.) 31'6" x 20' No. 2 33'9" x 20' No. 3 31'6" x 20' No. 4 31'6" x 20' No. 5 ✓ No. 6 ✓of Shifting Beams } No 1 3x4 = 5 No 2 = 6 ✓
Fore and Afters }

Builder's Signature

For

S. P. AUSTIN & SON, LTD.

General Manager.

AL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) 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. ✓ The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

This vessel has been built in conformity with the Society's Rules & Regulations & the Secretary's letters. The scantlings & arrangements are in accordance with, or equal to, those shown on the approved plans. ✓

The materials & workmanship are satisfactory. ✓

The freeboard markings have been marked on, verified & cut in on vessels' sides. ✓

The D.B. tanks, peaks, oil fuel bunkers have been tested by pressure in accordance with the Rules. ✓

The decks, bulkheads, W.T. door & hand pump tested. ✓

The windlass & steering gear, including the hand gear, tried. ✓

Certificates attached for sternframe, rudder, quadrant, crosshead. ✓

The amount of Entry Fee..... £ : : Fees applied for, JUL 12 1947
Special Survey Fee..... £ : : 276
FREEBOARD 13 - - Received by me,
Travelling Expenses, if any £ : : 19

(Special notations, where part of class, to be stated.)

I am of opinion the Vessel should be Classed +100A.1.State whether the Vessel has been built under Special Survey Yes ✓

Signature

P. D. Brondau

Surveyor to Lloyd's Register of Shipping.

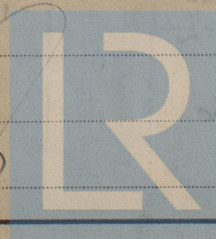
Certificate to be sent to SUNDERLAND

Date of issue

1/9/47

Committee's Minute ✓

Character assigned

+100 A17.47 Sld. Fitted for oil fuel 7.47 F.P. above 150°FLloyd's A.C.P.+LMC 7.47White Sld. (Horn)F.D. C.L2 SB (Spt 22016)

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Lloyd's Register
Foundation

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.)

As built plans will be forwarded as follows:-
1) Profile & decks
2) Midship Section

The approved plans are being kept for use on the sister vessel.

PARTICULARS OF ELECTRIC WELDING (if employed) Minor items

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. Cruiser stern Lloyd's A & C.P.
E.S.D. Gyro Compass. D.F. Radar. Fitted for oil fuel 4.47, F.P. above 150°F
Intermediate B.H. in forward hold dispensed with

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

1st Bower	26.1.10	J.H.J.	8315	22.11.46
2nd	25.3.21	J.H.J.	8304	20.11.46
3rd	22.1.27	S.P.R.	8074	6.9.46

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 27.25 ft., R.Q.D. 90.00 ft., Bridge 128.00 ft., Forecastle 30.41 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. Signal Letters O.X.V.C. Extreme Breadth over Belting (Circ. 1611) Over-all Length 323.20 (Circ. 1703)

No. and Material of Decks 1 db (etc)

Parts of Bottom of Vessel coated with cement or approved composition E & B tanks & bridges.

Particulars of composition (if fitted) and of approval.

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)
Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft,	90	144	Fore peak tank,	20	56
Double bottom, under Engines and Boilers,	45	123	After peak tank,	13	60
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	117	257	Other tanks, if fitted,		
Total length (if continuous) and Capacity	252	524	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 6220a

Date 18-7-46

Dates of Surveys held while building

1946. Oct 31. Nov 5, 15, 23, 26, 27 Dec 2, 6, 11, 13, 16, 17, 19, 27, 30, 31
1947. Jan 2, 6, 9, 10, 13, 15, 16, 17, 21, 22, 24, 27, 28, 29 Feb 5, 10, 14, 15, 20, 25 Mar 5, 7, 10, 17, 19, 20, 24, 25, 27, 31
Apr 1, 3, 10, 14, 15, 16, 18, 19, 21, 24, 25, 29, 30 May 1, 5, 6, 9, 14, 15, 22, 28 June 1, 5, 10, 12, 13, 19, 23, 24
25, 26, 28 July 2, 4

Total No. of Visits 80