

STEEL STEAMER ~~OR MOTORSHIP~~

Received at London Office

11 JUL 1928

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

5th July 1928

Port of

Glasgow

No. 48174

Survey held at

Glasgow

Date First Survey

14. 12. 27

Last Survey

5th July 1928

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

S.S. "CUSTODIAN"

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

Vessel built to 1921-2 Rules

State Type of Erections

Poop Bridge + Fiddle

TONNAGE under Tonnage Deck

5482.95

CLASS

+ 100 A1

State if with freeboard as condition of Class

FEET.

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 419.3

Breadth (greatest moulded)

B 54.29

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

D 32.58

1st Longitudinal Number (L x D)

TRANS. = 86.87

2nd Numeral L x (B + D)

= 36424

Launched 31st May 1928 Yard No. 412

Builders C. Connell & Co. Ltd.

Owners Charente S.S. Co. Ltd.

Managers J. & J. Harrison
(Where necessary to be entered in Reg. Book.)

Residence

Liverpool

Port of Registry

Liverpool

If surveyed while building, afloat, or in dry dock

Yes

REGISTERED DIMENSIONS.

FEET.

Length

420.0

Breadth

54.5

Depth

30.4

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

18.0

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

12.87

Do. Long Bridge to top of keel

10.34

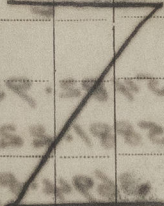

Draught Moulded

26' 3 1/2"

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	27		Bracket Floors, Frame	7 3 1/2 40	
" " from 1/2 length to Collision bulkhead	27		" " Reversed Frame	7 3 40	
" " in peaks	24		" " Vertical Struts	7 3 40	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	42 x 52	
Frame Amidships, Angle, E or F	10 3 1/2 56		" " top Angle	one 4 1/2 4 1/2 60	
" " Extends up to	main d.b. & upper d.b. alternately		" " bottom Angles	two 4 1/2 4 1/2 60	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	two 40	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	42 48	
Depth of Framing Girder	10		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	5 5 50	
Frames in Uppermost Continuous (tween) Decks, Angle, E or F	10 3 1/2 56		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	5 5 50	
Second tween Decks, Angle, E or F	6 1/2 3 1/2 40		" " Gussets, spacing and scantling abaft 1/2 len. from stem	30 1/2 x 20 x 40 54" apart	
" " Third " " " "	6 1/2 3 1/2 38		" " Gussets, spacing and scantling forward 1/2 len. from stem	do	
Framing in Peaks, Angle or F	8 3 1/2 40		Tank Side Brackets, height above base line at top of Frame and thickness	69 40	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	1" x 7/8" 5/4"		INNER BOTTOM PLATING.		
State if Frame Joggled	yes		Breadth and thickness of Middle Line Strake	72 50	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	2 tiers beams 2 side struts as per plan		Thickness of remainder in Holds	40 x 42	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	as per 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	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, E or F	8 3 42	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, E or F	10 3 1/2 56	
Middle Line Keelson, on Floors, Angles, E or F			Spacing	27 x 54	
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, E or F	12 x 3 3/8 x 3 3/8 x 54	
" " Foundation Plate on Floors			Spacing	54	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or F		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, E or F		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, E or F	9 x 3 1/2 x 3 1/2 x 4 8 x 3 1/2 x 3 1/2 x 54	
Solid Floors, thickness and spacing	40 @ 81		Spacing	alt. fs.	
" " Are Frame and Reversed Frame joggled?	yes		Bridge Deck, Angle, E or F	7 1/2 3 42	
Bracket Floors, breadth and thickness at middle line	36 x 40		Spacing		
" " breadth and thickness at margin plate	36 x 40		Forecastle Deck, Angle, E or F	10 3 1/2 46	
			Spacing	alt. fs.	

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.....	<i>Two rows of widely spaced pillars with deck girders as per approved plans</i>		Stringer Plate, breadth and thickness in way of Bridge	<i>51</i> × <i>44</i>	
“ in 'tween Decks, Size and Spacing.....			Thickness of Plating abreast Deck openings in way of Wells	<i>40</i>	
“ “ “ “ “			Thickness of Plating abreast Deck openings in way of Bridge	<i>40</i>	
“ in Holds “ “			Thickness of Plating within line of openings...	<i>40</i>	
“ “ “ “ “			If Sheathed, material and thickness		
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....		
Plating, thickness of			If Plated, state thickness.....		
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	<i>61</i> × <i>42</i>		If Plated, state thickness		
“ “ “ “ in way of Bridge	<i>61</i> × <i>48</i>				
“ Angle in Wells	<i>5</i> <i>5</i> <i>70</i>		Poop Deck.		
Thickness of Plating abreast Deck openings in way of Wells	<i>44</i>		Stringer Plate, breadth and thickness	<i>36</i> × <i>36</i>	
Thickness of Plating abreast Deck openings in way of Bridge	<i>50</i>		Plating, Sheathing, material and thickness ...	<i>36</i> <i>ties</i> <i>5 x 3 PP</i>	
Thickness of Plating within line of openings...	<i>44</i>		Bridge Deck.		
If Sheathed, material and thickness	<i>✓</i>		Stringer Plate, breadth and thickness.....	<i>70</i> × <i>52</i>	
			Plating, Sheathing, material and thickness ...	<i>40</i>	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	<i>51</i> × <i>48</i>		Stringer Plate, breadth and thickness	<i>36</i> × <i>36</i>	
			Plating, Sheathing, material and thickness ...	<i>34</i>	

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. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.			Diam. Inches.	Spacing cr. to cr. Inches.		Diam. Inches.	Spacing cr. to cr. Inches.	
FLAT PLATE KEEL	48	1.06	.74	.74		Double	1	3 1/4	Quint	1 1/8	4 1/2	lapped
„ DBLG. (if any)												
BOTTOM PLATING, No. of Strakes66	.66	.66		"	7/8	3 3/8	Four	7/8	3 1/2	"
BILGE PLATING, No. of Strakes66	.48	.60		"	"	"	"	"	"	"
SIDE PLATING, No. of Strakes66	.46	.46		"	"	"	Treble	"	3 1/8	"
UPPER DECK, Sheer- strake in Wells.....	62	.94	.46	.46		"	1 1/8	4 1/2	Quint	1 1/8	4 1/2	"
UPPER DECK, Sheer- strake in Bridge ...	57	.66	.46	.46		"	7/8	3 3/8	Treble	7/8	3 1/8	"
STRAKE BELOW Sheer- strake in Wells.....		.76	.46	.46		"	1	3 1/4	Quad	1	4	"
STRAKE BELOW Sheer- strake in Bridge66				"	7/8	3 3/8	Treble	7/8	3 1/8	"
POOP SIDE PLATING40		Single	3/4	3	double	3/4	2 5/8	"
BRIDGE SIDE PLATING70 .66				double	1	3 1/4	Quad	1	4	"
FOREC'TLE SIDE PLATING			.42			Single	3/4	3	double	3/4	2 5/8	"

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		eight	
Extending to Upper Deck (Sec. 3 c)		seven	
Deck next below		one	
As per Rule		seven	

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	—	28	flanged 6 1/2'-30"	—	—
" " Second "	—	—	—	—	—
" " Third "	—	—	—	—	—
" " Holds	—	38x35	10x3 1/2'-28	30	—
COLLISION " (in Hold)	—	40x30	9x3x50	24	9x3x44 4ft
AFTER PEAK " "	—	75x34	8x3x46	21	flanged

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		Flat plate		
STEM		Round Steel 10 x 27/8		
STERN FRAME {	Propeller Post	Steel 10 1/2 x 8	Steel Co of Scotland	
	Rudder "	Cast 9 x 8	Scotland	
RUDDER—A x D		498		
Speed of Vessel		11 Knots		
RUDDER mainpiece at head ...		Steel 10 1/2	With Kennedy B. & E.	10"
" " heel ...		forg. 8"	Fewsterhoff	7 1/2"
" how constructed		Circular steel shroun on arms		
" double or single plate		Single plate		1.08
" coupling, vertical or horizontal		vertical		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth process*
D. Colville & Sons. W. Beardmore & Co. Limited, Glasgow.
Verenigde Stahlwerke G.
 Has the Steel been tested as required by the Rules? *Yes.*

EQUIPMENT No. 38260										LETTER at		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.				
89947	1st Bower ...	65	1	24	Stokers	51	5	0	0	64	5/6	Halls' Stokers	W. H. Hingley & Sons	LPHN May 9 th 1927	
89945	2nd " ...	64	3	21	do	51	0	0	0	64	5/6	do	do	do	
89946	3rd " ...	64	2	14	do	50	17	2	0	64	5/6	do	do	do	
	Collective weight.	195	0	3						194	1/2				
89953	Stream	19	0	7	5	0	3	19	19	2	21	19	Ordinary	do	LPHN May 11 th 1928

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.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.				Fathoms.	Ins.	Tons.	Fathoms.	Ins.
80864	135	2 5/8	96 1/4	134 3/4	360-2-0			720 3/4	270	2 5/8	Sted. W. H. Hingley & Sons	LPHN May 17 th 1928	SW	120	5 1/4	80 1/2	120	5 1/4
80969	135	2 5/8	96 1/4	134 3/4	360-1-17						"	LPHN May 24 th 1928	SW	2090	2 3/4	15 1/2	2090	2 3/4
	270				720-3-17								SW	2090	2 1/2	12 1/2	1090	2 1/2
Stream (Chain or Steel Wire)	90	5		73					90	5	SW							

Steering Gear, Steam

Brown Bros.

Steering Gear, Hand

efficient

Boats

four

Steering Chains, Size and Test

none

Windlass

Clark Chapman & Co.

Ceiling in Holds, thickness and material

none

Cargo Battens, thickness, material and spacing

6 x 2" P. Speed 9"

Cargo Hatchways.—(Upper Deck)

Steel coverings 30" x 55"

Thickness of Hatches

3" U.P.

Size of No. 1 Hatchway (Forward)

22-6 x 17' No. 2 31-6 x 17' No. 3 11-3 x 17' No. 4 36 x 17' No. 5 22-6 x 17' No. 6 -

Number of Shifting Beams and/or Fore and Afters

Four in Nos. 1 and 5, five in Nos. 2, 3, 4, and 6, six in No. 4.

For CHARLES CONNELL & CO., Limited.

Builder's Signature

J. W. Ballum

SECRETARY

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel. no (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 workmanship and the 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 (1921-2). The double bottom tanks, the deep tanks and fore and after peak tanks have been tested as required by the rules. The weather decks and the tunnel have been hose tested with satisfactory results. The freeboards have been verified and the marks cut in on the vessel's sides.

The bottom, forward of the 3/5th length, has been strengthened in accordance with the rules.

The approved plans, as noted on the back of the report, are forwarded herewith. Midship section as built forwarded in advance.

(P.T.O.)

The amount of Entry Fee £ 9 : 0 : 0
 Special Survey Fee.... £ 347 : 0 : 6
 Freeboard Survey Fee... £ 10 : 1 : 8
 Travelling Expenses, if any

Fees applied for,

9 - JUL 1928

Received by me,

12.7.28

I am of opinion the Vessel should be Classed + 100 AI

State whether the Vessel has been built under Special Survey.

yes

Signature

A. W. Patterson

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to

GLASGOW

Date of issue

16/7/28

Committee's Minute

GLASGOW 10 JUL 1928

Character assigned

+ 100 AI

7.28.

Lloyd's Atcl.

+ LMC 7.28.

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Lloyd's Register
Foundation

0137 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.)

Sister Vessels: S.S. "Planta" Sla. Rpt. No. 47211.
S.S. "Pancher" Sla. Rpt. No. 47462.
S.S. "Observer" Sla. Rpt. No. 47644.

List of plans:

- ✓ Midship Section.
- ✓ Profile.
- ✓ Deck plan.
- ✓ Bulkhead.
- ✓ Lifting arrangements.
- ✓ Hatch webs.
- ✓ Strengthening of bottom forward.
- ✓ Rudder stem frame.
- ✓ Deep tank.
- ✓ Pillars & Girders.
- ✓ Mast plan.
- ✓ Tunnel plan.
- ✓ Bunker plan.
- ✓ Pumping arrangements.

Reports: Stem frame.
Rudder.
Tiller.

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

1st Bower
2nd "
3rd "

42-3-16 — K.H. — 5180 — 28-3-28.
42-2-3 — K.H. — 5185 — 28-3-28.
42-0-27 — M.B. — 3524 — 8-3-28.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 37.0 ft., R.Q.D. — ft., Bridge 139.4 ft., Forecastle 43.66 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)

2, deck, steel, painted

Official No. 149682; Signal Letters

Is bottom of Vessel coated with cement in boiler space if not give elsewhere cement fillets at beam ends (pt. cem.)

particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	119	332	Fore peak tank,	32.9	63
Double bottom, under Engines and Boilers,	65	275	After peak tank,		26
Double bottom, if under Engines only,			Deep tank, aft,	31.5	91
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	177	563	Other tanks, if fitted,		
Total length of D.B. tanks		1170	(If necessary, furnish further information by sketch.)		
361'			* The wells are not to be included in the lengths of the tanks.		

Order for Special Survey No. 5867

Date 12.8.27

Dates of Surveys held while building

1927 Dec 14, 19, 23 (1928) Jan 6, 12, 17, 24, 31 Feb 2, 7, 10, 16, 22, 29 Mar 5, 9, 12, 19, 21, 23, 27, 29 Apr 2, 4, 6, 12, 18, 25, 27 May 1, 7, 9, 11, 14, 15, 17, 22, 23, 25, 30 Jun 1, 5, 6, 7, 15, 21, 22, 29 July 3, 5

Total No. of Visits 56