

STEEL STEAMER or MOTORSHIP.

23 JUL 1930

State if Report has been sent on the Freeboard of the Vessel *Yr.*State if Report is sent on the Machinery of the Vessel *Yr.*

Date of completion of report

Port of *Liverpool*No. *97350*Survey held at *Saltney Chester*Date First Survey *28th January/30*Last Survey *10th July 1930*

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

TWIN S.M.V. "SIR CHARLES ORR"

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

State Type of Erections *R.O.D. - F.C.S.*

TONNAGE under Tonnage Deck...

CLASS *100 A.1*State if with freeboard as condition of Class *Yr.*Built at *Saltney, Chester*

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 *111.36*

Breadth (greatest moulded)

B *21.00*

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

D *9.00*

1st Longitudinal Number (L x D)

= *1002.24*

2nd Numeral L x (B + D)

= *3340.80*

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

8.0 *11.0* *12.37* *9.28*

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

Do. Long Bridge to top of keel

Draught Moulded *corresponding with draught 8'-9.8"*Launched *12th May 1930* Yard No. *497*Builders *J. Crichton & Co.*Owners *Eleuthera Shipping Co. Ltd.*

Managers

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

Residence *Nassau, N.P.*Port of Registry *Nassau, N.P.*

If surveyed while building, afloat, or in dry dock

Building - afloat.

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	21		Bracket Floors, Frame	1	
" " from 1/2 length to Collision bulkhead	21		" " Reversed Frame	1	
" " in peaks	21		" " Vertical Struts	1	
WIDE FRAMING.			Centre Girder, depth and thickness amidships	1	
Frame Amidships, Angle, <i>E-F</i>	4 2 1/2 30		" " top Angles	1	
" " Extends up to	<i>See</i>		" " bottom Angles	1	
Reversed Frame Amidships, Angle <i>H.A.C.</i>	2 1/2 2 1/2 26		Side Girders, No. each side and thickness	1	
" " Extends up to	<i>See</i>		Margin Plate depth (excl. of flange) and thickness	1	
Depth of Framing Girder	14		" " Vertical Angle to Tank side	1	
Frames in Uppermost Continuous 'tween Decks, Angle, <i>C</i> or <i>F</i>	1		Bracket abaft 1/2 len. from stem	1	
" " Second 'tween Decks, Angle, <i>C</i> or <i>F</i>	1		" " Vertical Angle to Tank side	1	
" " Third " " " "	1		Bracket forward 1/2 len. from stem	1	
Framing in Peaks, Angle <i>E-F</i>	4 2 1/2 26		Gussets, spacing and scantling abaft 1/2 len. from stem	1	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 7 Dia.		Gussets, spacing and scantling forward 1/2 len. from stem	1	
State if Frame Joggled	<i>Yr.</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	1	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>As approved.</i>		INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>2 Struts in Chamber to Coll. Bulk.</i>		Breadth and thickness of Middle Line Strake	1	
SINGLE BOTTOM.			Thickness of remainder in Holds	1	
Floors, Depth and thickness at mid-line in Holds	1/4 26 25		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?	1	
Height of Brackets at side above base line at toe of frame	1		BEAMS.		
Middle Line Keelson, on Floors, Angles, <i>E-F</i>	3 1/2 3 36		Uppermost Continuous Deck, amidships in Wells, Angle, <i>E-F</i>	4 3 30	
" " " Through Plate or Intercoastal Plate	30		" " in way of Bridge, Angle, <i>C</i> or <i>F</i>	1	
" " " Foundation Plate on Floors	1		Spacing	21	
" " " Flat Plate Keel Angles	3 1/2 3 1/2 30		Second Deck, amidships, Angle, <i>E-F</i>	6 3 36	
Side Keelsons, No. each side	<i>One</i>		Spacing	42	
" " thickness of Intercoastal Plate	26		Third Deck, amidships, Angle, <i>C</i> or <i>F</i>	1	
" " Angles	5 3 44		Spacing	1	
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, <i>C</i> or <i>F</i>	1	
Solid Floors, thickness and spacing	1		Spacing	1	
" " Are Frame and Reversed Frame joggled?	1		Poop Deck, Angle, <i>C</i> or <i>F</i>	1	
Bracket Floors, breadth and thickness at middle line	1		Spacing	1	
" " breadth and thickness at margin plate	1		Bridge Deck, Angle, <i>C</i> or <i>F</i>	1	
			Spacing	1	
			Forecastle Deck, Angle, <i>E-F</i>	6 3 33	
			Spacing	42	

PILLARS AND DECKS.

	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....	2		
" in 'tween Decks, Size and Spacing.....	✓		
" " " " "	✓		
" in Holds " "	2 1/4	8 1/4	
" " " " "			
Centre Line Bulkhead.			
Stiffeners and Spacing.....	6 x 3 x 1/2	21"	
Plating, thickness of32 / .30		
STRINGERS AND DECKS.			
Uppermost Continuous Deck.			
Stringer Plate, breadth and thickness in Wells	36	.34	
" " " " in way of Bridge	✓		
" Angle in Wells	4	3 1/4	
Thickness of Plating abreast Deck openings in way of Wells	30		
Thickness of Plating abreast Deck openings in way of Bridge			
Thickness of Plating within line of openings...	30		
If Sheathed, material and thickness	5	2 1/2	
R. Qc Second Deck.			
Stringer Plate, breadth and thickness in Wells...	24	.34	
Stringer Plate, breadth and thickness in way of Bridge			
Thickness of Plating abreast Deck openings in way of Wells30	
Thickness of Plating abreast Deck openings in way of Bridge			
Thickness of Plating within line of openings...		.30	
If Sheathed, material and thickness		2 1/2	
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			
Plating, Sheathing, material and thickness ...			
Bridge Deck.			
Stringer Plate, breadth and thickness.....			
Plating, Sheathing, material and thickness ...			
Forecastle Deck.			
Stringer Plate, breadth and thickness	18	.23	
Plating, Sheathing, material and thickness ...		2 1/2	

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	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 or. to cr.		Diam.	Spacing or. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	36	1/40	36	36		2R	3/4	3	3R	3/4	2 5/8	Strapped
" DBLG. (if any)												
BOTTOM PLATING, No. of Strakes Two	42	30	30	25		1R	5/8	2 5/8	2R	5/8	2 1/4	Lapped
BILGE PLATING, No. of Strakes ONE	45	30	25	25		"	"	"	"	"	"	"
SIDE PLATING, No. of Strakes ONE	36	30	25	25		"	"	"	"	"	"	"
UPPER DECK, Sheer-strake in Wells.....	48	36	30	"		"	3/4	3	3R	3/4	2 5/8	"
UPPER DECK, Sheer-strake in Bridge ..						"	5/8	2 5/8	2R	5/8	2 1/4	"
STRAKE BELOW Sheer-strake in Wells.....	39	34	25			"	5/8	2 5/8	2R	5/8	2 1/4	"
STRAKE BELOW Sheer-strake in Bridge ...						"	3/4	3	3R	3/4	2 5/8	"
R. & L. SIDE PLATING Strake below	49	40	25			"	3/4	3	3R	3/4	2 5/8	"
BRIDGE SIDE PLATING ...		54	30	(54 over beam)		"	5/8	2 5/8	1R	5/8	2 5/8	"
FOREC'TLE SIDE PLATING		24				"	5/8	2 5/8	1R	5/8	2 5/8	"

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		5 ✓	
Extending to Upper Deck (Sec. 3 c)		✓	
Deck next below		✓	
As per Rule		As Approved.	

	Plating Thickness.	STIFFENERS.			
		VERTICAL		HORIZONTAL	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULK'D, Upper tween decks					
" " Second	Pl. 21.	32/26.	6-8-38	30	
" " Third	Pl. 33-36.	32/30	6-8-48	24.	
" " Holds					
COLLISION	(in Hold) 56.	32/30	5-8-34	24	
AFTER PEAK	5...	32/26	5-8-34	27	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓			
STEM	17.5. 6.1			
STERN FRAME {	Brake. Cast Steel	As Approved	Rowley	
Propeller Post	✓			
Rudder "	✓			
RUDDER—A × D	✓			
Speed of Vessel				
RUDDER mainpiece at head ...	Forging	5	1.8. 1.2. 1.2.	
" " heel ...	"	3 3/4		
" how constructed	Brick			
" double or single plate	Single	62		
" coupling, vertical or horizontal	✓			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Heart Process :-*
Cleveland Steelworks, Bolckow Vaughan & Co, Loughborough Iron Works,
Leeds, & Widdingham Iron Steel Co, Dordman Hong.

Has the Steel been tested as required by the Rules? *Yes.*

EQUIPMENT No. 3816.42.

LETTER C

ANCHORS.

23 JUL 1930

Number of Certificate.	Anchors.	WEIGHT, BY 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.				
33097	1st Bower	6	2	7	✓	✓	✓	8	17	2	0	6 1/4	Payson	W. L. Payson	28/5/30 J.H.B.
32958	2nd "	6	1	14	✓	✓	✓	8	12	2	0	6 1/4	"	"	20/3/30
	3rd "														
	Collective weight.	12	3	21								12 1/2			
63656	Stream	1	3	10	✓	✓	✓	4	7	0	21	13 1/4	Ordinary	"	Sept 5/30 W. A. Dwyer.

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.	
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Fathoms.	Ins.					Fathoms.	Ins.		Fathoms.	Ins.
66010	135	1 3/16	11 1/8	17 1/8	47.0	3.	46	135	1 3/16	Steel Rod	✓	Sept 16/30 W. A. Dwyer.	LOW LINE	75	2 1/8	108	75	2 1/8
													HAWERS & WARPS	90	4	HEMP	90	4
Iron Stream Chain or Steel Wire	45	2	8					45	2		Garnock	28/4/30						

Steering Gear, Steam

Steering Gear, Hand

by J. Crichton & Co. also Liles.

Boats

Two. at 181 x 6.25 x 2.4. Steering Chains, Size and Test

1/16 Short Link 5-12. 2.0. Windlass Emerson Weller.

Ceiling in Holds, thickness and material

White Pine

Cargo Battens, thickness, material and spacing 6 x 2. W.P. spaced 6"

Cargo Hatchways.—(Upper Deck)

Platina Angles.

Thickness of Hatches

2 1/2"

Size of No. 1 Hatchway (Forward)

7'0" x 6'0"

No. 2 4'0" x 3'6"

No. 3

No. 4

No. 5

No. 6

Number of Shifting Beams and/or Fore and Afters

1 at No. 1.

For J. CRICHTON & CO., LTD.,

Builder's Signature

MANAGING 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.

This vessel has been built in accordance with the approved plans, the Secretary's letter and the Society's rules for the class contemplated.

The workmanship and materials are good.

The fore peak tank, oil bunkers, Buckheads, Shaft recesses, and ducts have been satisfactorily tested.

A Lubricator of 3'6" has been arranged and set up on the vessel's side and the markings verified.

Approved plans 9 & number also 2 joining reports are forwarded with this report (See page 4).

Oil fuel bunkers are fitted between frames 33 & 36.
(S.P. above 150°F)

The amount of Entry Fee £ 2 : 0 : 0

Fees applied for.

22 JULY 1930

Special Survey Fee.... £ 21 : 10 : 0

Damage 3 3 0

Travelling Expenses, if any £ 4 : 14 : 0

Freshwater 1 13 4.

Received by me.

29/7/30-11/8/30

23/7-11/8/30

I am of opinion the Vessel should be Classed *100 A.1.*

State whether the Vessel has been built under Special Survey

Yes.

Signature

Geo. L. Lyle J. Stillman

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to

Lloyds

Date of issue

14/8/30

Committee's Minute

LIVERPOOL 22 JULY 1930

Character assigned

+100 A.1. 7.30

Lloyds A & C.P.

+ L.M.C. 7.30.

Oil Engines. O.C.

Elec Light.



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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.)

Plans: Elevation and Deck Plan
Marking Section.
Main Engine Seating.
Sole & W.C. Sidehouses
Amended Details of A. Brackets and Local Stepping
Well Deck Skylight.
Balanced Rudder.
Sketches
Bulkheads.

Forging Rpt: Rudder Frame & 2 Yellows
Lus A Brackets. (Cast Steel).

Damage: Vessel stated to have struck the Dock Wall whilst leaving Birkenhead on the 2nd July 1930.

Repair: Port Side in way of Accommodation.

1 Sheet plate removed fairies and replaced

2 " " Fairies in place

2 frames " " "

Sheet missing in way of damaged plate removed fairies & replaced

1 Port light renewed

1 Margin plank on accommodation deck renewed

Wood bulkheads etc removed for access and afterwards replaced.

Beam truss in way of accommodation deck renewed.

Vessel was placed in the Cairn Dry Dock Liverpool for the above repairs to be carried out.

Damage: It was stated that the vessel struck a dock gate chain whilst leaving the Cairn Dry Dock Liverpool on Saturday 2nd July 1930.

Vessel placed in the Cairn Dry Dock Liverpool. Bottom & Rudder examined but not coated.

One plate was slightly rubbed on the Star Bilge. Riveting & Caulking in way were examined and found good.

Whilst the vessel was in the Cairn Dry Dock the bruiser at the Quarter was fitted a bruiser plate (Deadwood) at the after end of rudder beams frames 1 & 9. as per attached plan.

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

1st Bower	4.0.19.	K.H.	7895	29/4/30.
2nd "	4.0.17	K.H.	7665.	25/2/30.
3rd "	✓			

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 63.66 ft., Bridge ☒ ft., Forecastle 21.50 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) 1 DR (See) H. 10.5.

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

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	10.5	14.2
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		
* The wells are not to be included in the lengths of the tanks.					

Order for Special Survey No. 1247

Date 15/1/1930.

Dates of Surveys held while building

Jan 28. Feb 8. 26. Mar 11. 24. Apr 28. May 6. 8. 12. 19. 23. 28. 29. June 13. 19. July 3. 8. 9. 10.

Total No. of Visits 19