

STEEL STEAMER or MOTORSHIP.

Received at London Office 15 AUG 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 *9th August 1928.* Port of *Glasgow* No. *18942.*
 Survey held at *Port Glasgow.* Date First Survey *14th November 1924* Last Survey *8th August 1928.*
 On the (State if Machinery fitted Aft and) *Single Sc.* *ANNIE M. MILLER* *MINY MT.*
 (if Single, Twin or Triple Screw)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full Scantling* State Type of Erections *R.P.D. & Sels.*

TONNAGE under Tonnage Deck... *456.03* CLASS ** 100 A1.* State if with freeboard as condition of Class *NO.* Built at *Port 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 160.2* Launched *2nd April '28* Yard No. *355.*
 Total *456.03* Breadth (greatest moulded) *B 30.87* Builders *The Clyde S.B. & C. Co. Ltd.*
 Gross Tonnage *706.52* Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 14.0* Owners *H. W. Miller & Co. Ltd.*
 Register Tonnage *278.44* 1st Longitudinal Number (L x D) = *2242* Managers *(Where necessary to be entered in Reg. Book.)*
 2nd Numeral L x (B + D) = *7188* Residence *289 Pitt St. Sydney.*
 REGISTERED DIMENSIONS. FEET. Framing Depth "d," at middle of length. See Sec. 3 (1d) *11.56* Port of Registry *Sydney.*
 Length *160.8* Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.46* If surveyed while building, afloat, or in dry dock
 Breadth *31.0* Do. Long Bridge to top of keel *9.15* Building, afloat, & on Slip.
 Depth *12.15* Draught Moulded *12.11 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	22	✓	Bracket Floors, Frame		
" " from 1/2 length to Collision bulkhead.....	22	✓	" " Reversed Frame.....		
" " in peaks.....	22	✓	" " Vertical Struts.....		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	29 1/2	✓ 37
Frame Amidships, Angle, E or F.....	5 2 1/2 33	✓ 5 x 2 1/2 x 30	" " top Angle.....	3 3	✓ 33
" " Extends up to.....	DECK.	✓	" " bottom Angles.....	3 3	✓ 37
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	ONE	✓ 31 1 28
" " Extends up to.....			Margin Plate depth (excl. of flange) and thickness.....	2 1/2	✓ 31
Depth of Framing Girder			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem.....	3 3	✓ 32
Frames in Uppermost Continuous Tween Decks, Angle, E or F	5 2 1/2 38	✓ 5 x 2 1/2 x 44	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem.....	3 3	✓ 32
" " Second Tween Decks, Angle, E or F			" " Gussets, spacing and scantling abaft 1/2 len. from stem.....		
" " Third			" " Gussets, spacing and scantling forward 1/2 len. from stem.....		
Framing in Peaks, Angle or F	5 2 1/2 33	✓ 5 x 2 1/2 x 30	Tank Side Brackets, height above base line at toe of Frame and thickness	10	✓ 32
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 at 7 P.P.	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	YES.	✓	Breadth and thickness of Middle Line Strake.....	29 1/2	✓ 61 1 37
PANTING ARRANGEMENTS (Sec. 7), state system and particulars.....	W. T. PLAT FARMING PANTING STRINGER.	✓	Thickness of remainder in Holds.....		✓ 61 1 37
STRENGTHENING OF BOTTOM FORWARD. State Particulars.....	SINGLE FRAMES 5 x 5 x 36 ADDIT. INT. 2 1/2 2 STRAKES PLATING MID. TAN.	✓ 5 x 5 x 28	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	3 1/2 3	✓ 30
Height of Brackets at side above base line at toe of frame.....			" " in way of Bridge, Angle, E or F.....		
Middle Line Keelson, on Floors, Angles, E or F			Spacing.....	EVERY FRAME.	✓
" " Through Plate or Intercoastal Plate.....			Second Deck, amidships, Angle, E or F	5 3	✓ 34
" " Foundation Plate on Floors.....			Spacing.....	EVERY FRAME.	✓
" " 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		
Solid Floors, thickness and spacing.....	31. EVERY FR.	✓ 28	Spacing.....		
" " Are Frame and Reversed Frame joggled?.....	YES.	✓	Bridge Deck, Angle, E or F		
Bracket Floors, breadth and thickness at middle line			Spacing.....		
" " breadth and thickness at margin plate.....			Forecastle Deck, Angle, E or F	5 3	✓ 34
			Spacing.....	EVERY FRAME.	✓

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>ONE</i>			Stringer Plate, breadth and thickness in way of Bridge				
"	in 'tween Decks, Size and Spacing.....	<i>2 1/2" DIA. SOLID</i>		✓	Thickness of Plating abreast Deck openings in way of Wells				
"	" " " " " "	<i>ON ALT. FRAMES.</i>		✓	Thickness of Plating abreast Deck openings in way of Bridge		<i>25</i>		✓
"	in Holds " " " " " "	<i>DEEP BRACKETS</i>		✓	Thickness of Plating within line of openings...		<i>25</i>		✓
"	" " " " " "	<i>AT HATCH SIZES</i>			If Sheathed, material and thickness		<i>TRUNK 2 1/2"</i>		✓
		<i>AS PER IMPROVED PLAN.</i>			<i>OVER ACCOMMODATION.</i>				
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>6 1/2</i>	<i>30</i>	✓	If Plated, state thickness				
"	" " " " " in way of Bridge	<i>1</i>			Poop Deck.				
"	Angle in Wells	<i>3 1/2</i>	<i>3 1/2</i>	<i>40</i>	✓	Stringer Plate, breadth and thickness			
Thickness of Plating abreast Deck openings in way of Wells					Plating, Sheathing, material and thickness ...				
Thickness of Plating abreast Deck openings in way of Bridge					Bridge Deck.				
Thickness of Plating within line of openings...		<i>26</i>		✓	Stringer Plate, breadth and thickness.....				
If Sheathed, material and thickness					Plating, Sheathing, material and thickness ...				
Second Deck.					Forecastle Deck.				
"	Stringer Plate, breadth and thickness in Wells...	<i>6 1/2</i>	<i>36</i>	<i>27 x 36.</i>	✓	Stringer Plate, breadth and thickness.....		<i>26</i>	
					Plating, Sheathing, material and thickness ...		<i>26 x 22</i>		✓

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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	39	15	11	11	✓	DOUBLE.	3/4	3 1/2	✓	3-2	3/4	2 1/2	LAPPED.
" Base (if any)													
BOTTOM PLATING, No. of Strakes		35	31	31	✓	SINGLE.	3/4	3 1/2	✓	2	3/4	2 1/2	LAPPED.
BILGE PLATING, No. of Strakes		35	31	31	✓	"	"	2 1/2	✓	2	"	"	"
SIDE PLATING, No. of Strakes		35	31	31	✓	"	"	"	✓	2	"	"	"
UPPER DECK, Sheer- strake in Well	44	11	31	31	✓	"	"	"	✓	3-2	"	"	STRAPPED.
UPPER DECK, Sheer- strake in Bridge ...		38	"	31	✓	"	"	3 1/2	✓	2	"	"	LAPPED.
STRAKE BELOW Sheer- strake in Well	44	10	31	31	✓	"	"	2 1/2	✓	3-2	"	"	"
STRAKE BELOW Sheer- strake in Bridge ...	44	8	"	31	✓	"	"	"	✓	2	"	"	"
POOR SIDE PLATING													
BRIDGE SIDE PLATING ...													
FOREC'TLE SIDE PLATING			26		✓	SINGLE	3/4	3	✓	1.	3/4	2 1/2	LAPPED.

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— *THREE* ✓

Extending to Upper Deck (Sec. 3 c)..... *THREE* ✓

„ ~~Deck next below~~..... *✓*

As per Rule..... *THREE* ✓

FORGINGS ~~and~~ CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		THREE ✓		Casting or Forging.		Scantlings.		Maker's Name.		Any departure from approved plans to be noted.	
Extending to Upper Deck (Sec. 3 c)		THREE ✓									
„ — Deck next below —		✓									
As per Rule		THREE. ✓									
		Plating Thickness.		STIFFENERS.							
				VERTICAL.		HORIZONTAL.					
				Scantlings.	Spacing.	Scantlings.	Spacing.				
MIDSHIP BULKH'D, Upper two decks											
„	„ Second „										
„	„ Third „										
„	„ Holds	38/26	1 1/2 x 12	30							
COLLISION		40/26	1 1/2 x 12	24	W.T. PLAT.						
AFTER PEAK		40/26	1 1/2 x 12	24	W.T. PLAT.						

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH.
THE LANARKSHIRE STEEL CO. LD., W^M BARRMORL & CO. LD., JAMES DUNLOP & CO. LD.,
SKINNINGGROVE IRON WORKS LD., CONSETT IRON CO. LD.
 Has the Steel been tested as required by the Rules? YES.

EQUIPMENT No. 7790										LETTER 2		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.				
89892	1st Bower ...	16	0	17	STOCKLESS	17	11	3	14	1 1/2	✓	BRITANNIC	R. JYRES & SON.	NETH. 20.1.20. GREEN.	
89892	2nd „ ...	13	3	20	"	15	12	2	0	1 1/2	✓	"	"	"	
89894	3rd „ ...	13	0	0	"	14	15	0	0	1 1/2	✓	"	"	"	
	Collective weight.	42	0	16						4 1/4	✓				
41950	Stream	4	3	16	1	1	0	7	5	0	0	4 1/2	✓	RODGERS.	C.M. 22.7.26 PAUL.

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.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.		
																		Fathoms.	Ins.
8456	195	1 1/2	25 1/2	30	141.1.0	141 1/2	195	1 1/2	STUD LINK.	NOT STATED.	NETH. 25.1.20.	TOWLINE ... HAWSERS & WARPS }	75	2 1/2	15 1/2	75	2 1/2		
													90	2 1/2	9 1/2	90	2 1/2		
from Stream Steel Wire	60	3		18			60	3	L.S.M.	BRITISH ROPES L ^d	GLASGOW.	"							

Steering Gear, Steam BY H. GREGORS PORT. CL. ENG. WORKS. Steering Gear, Hand SET BY BLOCKS & WIRE TO WINCH.

Boats 2 LINC 19'0", 1 RING 15'0". Steering Chains, Size and Test 1 1/2" DIA. 7 1/2 TONS. Windlass STEADY BY EMERSON WALKER.

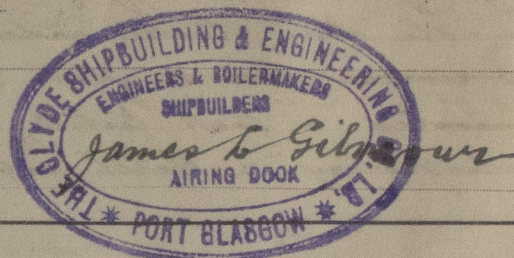
Ceiling in Holds, thickness and material OVER LIMBERS ONLY. 2 1/2" W.P. Cargo Battens, thickness, material and spacing NONE FITTED.

Cargo Hatchways.—(Upper Deck) FORMED OF STEEL PLATES & ANGLES. Thickness of Hatches 3" W.P.

Size of No. 1 Hatchway (Forward) 31'2" x 20'1/2" No. 2 29'4" x 20'0" No. 3 No. 4 No. 5 No. 6

Number of Shifting Beams and/or Fore and Afters. 6 IN N.1, 5 IN N.2.

Builder's Signature



GENERAL DECLARATION This vessel has been built in accordance with the approved plans, instructions & printed Rules of this Society. The materials & workmanship are of good quality. The freeboard has been verified & the marks cut in on the vessel's sides. The peak tanks, double bottom tanks, (including dry tanks under boilers) weather decks, W.T. bulkheads, W.T. door & hand pump to fore peak flat have been tested as required by the Rules & found satisfactory.

The amount of Entry Fee £ 4 : 0 : 0 } Fees applied for, 9th AUGUST 1928.

Special Survey Fee.... £ 70 : 14 : 0 } Received by me, 23.10.28

FREBOARD. 3 : 13 : 4

Travelling Expenses, if any £ 3 : 3 : 0

I am of opinion the Vessel should be Classed * 100 A1. CARGO BATTENS NOT FITTED.

State whether the Vessel has been built under Special Survey YES.

Signature H. L. Swinton Surveyor to Lloyd's Register of Shipping.

H.M.G. via Gls. Certificate to be sent to GREENOCK. Date of issue 23/10/28

Committee's Minute GLASGOW 14 AUG 1928

Character assigned :- 100 A1.

8.28.

Lloyd's A+C.P. + L.M.C. 8.28.

Cargo battens not fitted.



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Lloyd's Register Foundation

W638-0014 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.)

List of Plans:

Midship Section
Profile & D.K. plans.
Steragram & Rudder.
Peak bulkheads & strengthening forward.
Pumping arrangement
Arrangement of draining hold bilges.
Sizing Report, steragram & rudder.

Midship Section as Built
Profile & D.K. plans

Note: It was stated by the Builders that on 13th July while lifting the hatch webs ashore by the shore crane one of the webs fell from the sling, to the tank top. On examination found one tank top plate fractured & web plate slightly bent. Repair now done: W.2 plate port side in strake next middle line strake under W.2 hatch part renewed & horizontal flange of reverse bar on floor W.43 faired in place. Internal part of tank top recoated & tank tested under pressure on completion of repairs, & found satisfactory. Hatch web plate & mounting angles faired as required.

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

1st Bower	10-1-7,	M.A.,	3388,	27-10-27
2nd "	8-1-2,	M.A.,	3255,	28-7-27
3rd "	8-0-26,	M.A.,	3212,	12-7-27

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 56.5 ft., R.Q.D. 56.5 ft., Bridge 27 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 D.K. (S.C.)

Official No. ✓ : Signal Letters ✓

Is bottom of Vessel coated with cement yes. — if not give

particulars of composition—

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	✓	✓	Fore peak tank,		50
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,		6
Double bottom, if under Engines only,	18.33	18	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only, DRY TANK	14.66	✓	Deep tank, forward,	✓	✓
Double bottom, forward,	88.0	140	Other tanks, if fitted,	✓	✓
Total capacity of double bottom		158	(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. 228

Date 28-9-27.

Dates of Surveys held while building

(1924) Nov. 14-16-21-30 Dec. 4-9-13-15-19-21-23-24-30 (1928) Jan. 6-10-13-16-18-20-25-26-31 Feb. 3-4-9-13-15-14-22-28 March 1-5-4-9-13-15-16-21-22-26-24-28-30 April 2-4-10-13-14-18-25-24 May 1-3-4-8-14-16-21-22-24-29-30 June 5-15 July 6-4-9-13-14-18-23-24-26-28 30 Aug. 2-4-4-8

Total No. of Visits 81