

Rpt. 11c. 29804  
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REC'D NEW YORK APR 28 1921

TUE. 10 MAY. 1921

29945

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

PARTICULARS IN RESPECT OF STEAM SHIPS HAVING SPAR OR AWNING DECKS.  
 G. M. Standifer Construction Corporation's hull No. 19.

Port of Survey Portland, Oregon,  
 Date of Survey While Building  
 Name of Surveyor Walter Lang

Ship's Name. S.S. "CALGAROLITE" *now Christy*  
 Port of Registry and Nationality. Sarnia Ontario  
 Official Number. \_\_\_\_\_  
 Gross Tonnage. \_\_\_\_\_  
 Date of Build. 1921  
 Particulars of Classification. +100 A.1. Shelter Deck with Freeboard contemplated.

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK Tonnage to Upper Deck
Length on LOADLINE	462.83	Ext. 60.22	29.22	6083.78
		Frame Depth 10.0	Ceiling + 20	Peak 55.82
		Rule 7	Sheer -.82	Tanks No10 52.25
		3x2 = -.50		No40 46.24
		No Sparring + 33		Add for D. B. 79.
CORRECTED DIMENSIONS.	462.83	60.05	28.62	6317.09

Moulded Depth as measured ..... 29'-9" ..... Main Deck.  
 " " " ..... 37'-3 1/2" ..... Shelter Spar or Awning-Deck.  
 Addition for Keel 2-3/8"

Co-efficient of fineness ..... .79  
 Any modification necessary [Para. 4 (a) to (d)\*] }  
 Co-efficient as corrected ..... .79

CORRECTION FOR LENGTH :-  
 Length of Ship on Load Line..... 462.83  
 Length in Table ..... 357.0  
 Difference..... 105.83  
 Correction for 10ft..... .8  
 x Difference ÷ 10 = 8.466  
+ 8 1/2"

Allowance for strength in excess of Lloyd's rules = 8 1/2"

Height of 'Tween Decks..... 7'-6 1/2"  
 (From top of beam to top of beam at side)  
 Correction for Height of 'Tween Decks in Spar-decked Ships.....

*Constructed for carrying Petroleum in Bulk  
 Longitudinal Framing and deep transverses.  
 Three Steel Decks.*

Freeboard Table B or C ..... 4 - 4  
 Correction for Length..... + 8 1/2  
5 - 0 1/2  
 Correction for Height of 'Tween Decks in Spar-decked Ships..... 7 - 6 1/4  
 (3/4 Strgs. on Shelter Deck) 12 - 6 3/4  
 Correction for Strength in excess of Lloyd's rules..... - 8 1/2  
 (Table A limit) 11 - 10 1/4

Sheer at Stem .77 at length from Stem .22 26.75  
56283 Sternpost 3075 53.875 " " Sternpost 4.75 3375  
26840 Drop in Sheer abaft amidships... Nil ..... 55%  
36/29443 Shelter 24.31  
 Round of Spar-deck Beam 12" in 58'-6"  
 " " Main-deck " .....

Correction for Iron Deck if required..... - 3 1/4  
11 - 7  
 Other Corrections (if any).....  
 Winter Freeboard..... 11 - 7  
 Summer Freeboard..... 11 - 0 1/2  
 Indian Summer Freeboard..... 10 - 6  
 N. A. Winter Freeboard.....

	Length	x	Height.	State if open or closed at ends.
Forecastle .....		x		
Bridge .....		x		
Poop .....		x		

Correction necessary because clearside amidships measured in accordance with the Statute is not taken at intersection of the wood or iron deck with side } + 1 1/2

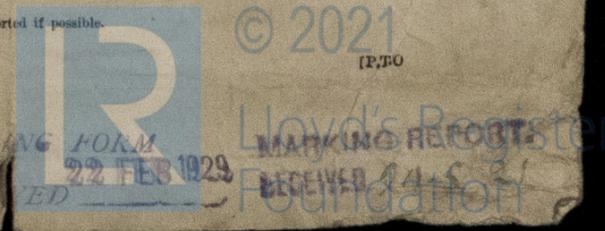
FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck :-

11.5.21

Line	Position	Value
Fresh Water Line	above centre of Disc	<u>7 1/2</u>
Indian Summer Line	" " "	<u>6 1/2</u>
Winter Line	below " " "	<u>6 1/2</u>
Winter North Atlantic Line	" " "	<u>5</u>

NOTE.—All vessels equal in strength to Lloyd's Spar-decked rule, or which, although in excess of that rule, do not come up to Lloyd's requirements for Ships of full scantlings to the upper deck, are to be considered as Spar-decked Ships, the freeboard for which will vary with their strength.  
 All vessels equal in strength to Lloyd's Awning-decked rule, or which, although in excess of that rule, do not come up to Lloyd's requirements for a Spar-decked Vessel, are to be considered as Awning-decked Ships, the freeboard for which will vary with their strength.  
 \* If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.

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**Shelter Deck**

Do all the Frames extend to the top Height in the Spar deck? **Yes** Awning deck?

Do all the Frames extend to the top height in the Poop? **Longitudinal Framing** Bridge House? Forecastle?

To what height do the Reverse Frames extend?

Has the Poop an efficient Iron Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead

Is the Poop connected with the Bridge House? Has the Bridge House an efficient Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead

What is the thickness of the Bridge Front plating? and Coaming plate?

Give scantlings and spacing of the Stiffeners

Are bracket plates fitted at each end of the Stiffeners? Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks?

Has the Bridge House an efficient Iron Bulkhead at the after end?

How are the openings closed?

Is the Forecastle at least as high as the main or top-gallant rail? Has the Forecastle an efficient Iron or Wood Bulk'd. at after end?

Are the Engine and Boiler openings covered by a Bridge, Poop, or enclosed by a Strong Iron or Steel Deckhouse? **Yes**

If the openings are not so protected are the exposed parts of the Casings efficiently constructed? **Yes**

Give thickness of plating; scantlings and spacing of Stiffeners **5/16" Coaming 3/8" Stiffs. 5"x3"x3/8" spaced 30" apart.**

What is the height of the exposed Casings? **8'-0"** Are suitable means provided for closing all openings in them in bad weather? **Yes**

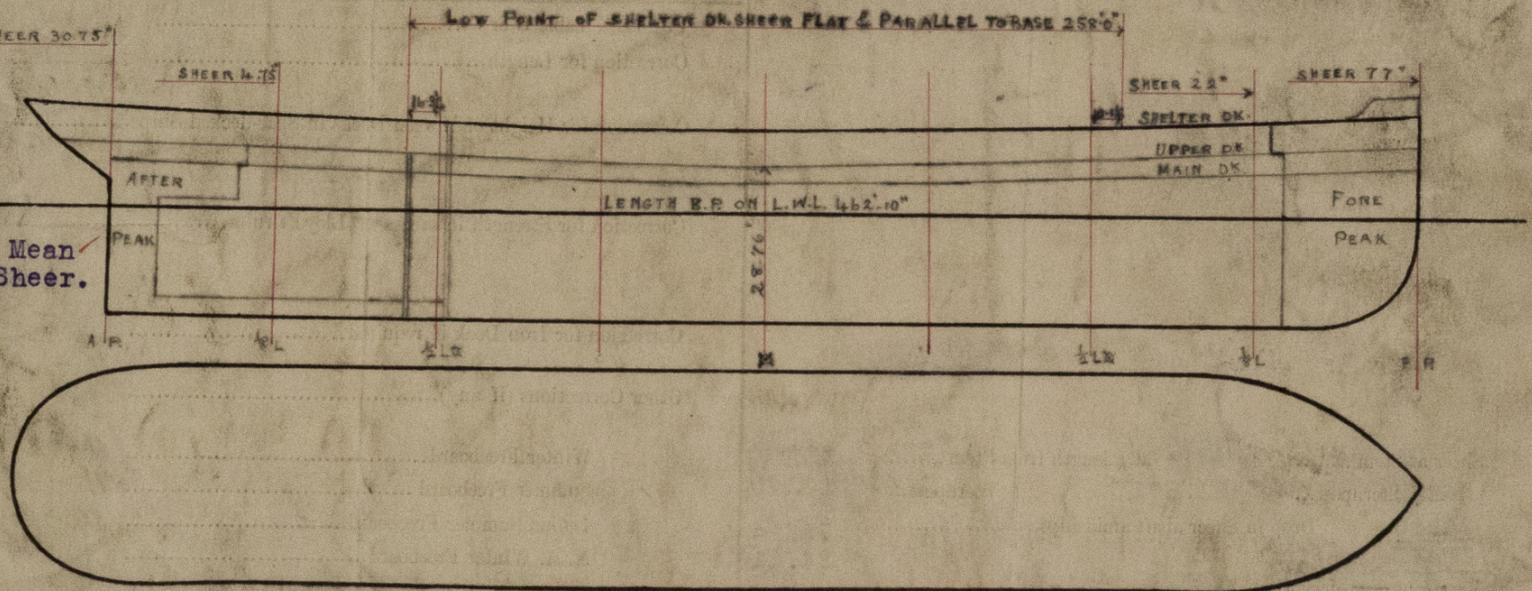
Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below: **Yes**

Position and Size.	No. 1 Cargo Hatch		9 Oil Tanks P&S		5 Oil Tanks P&S					
	8'4"x12'0"	4'0"x6'0"	4'0"x6'0"	5'0"x6'0"	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.										
Height above top of DECK	30"	As	30"	As	30"	As				
Thickness	Sides.....	.44"	.38"	.38"	.38"	.38"				
	Ends.....	.44"	Fitted	.38"	Fitted	.38"	Fitted			
SHIFTING BEAMS OR WEB PLATES.	Number.....	1								
	Section and Scantlings.....	12x35 lb. 1 Beam			.38" Steel Covers	.38" Steel Covers				
	Material.....	2 1/2" x 2 1/2" x 30L Steel			Main Tanks	Summer Tanks				
* FORE AND AFTERS.	Number.....									
	Section and Scantlings.....									
	Material.....									
HATCHES Thickness.....										
Remarks.....										

\* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.

(If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

77x1-77  
22x4-88  
0x2  
0x4  
0x2  
0x4  
0x2  
4.75x4-19  
30.75x1-30.75  
8/2 14.75  
26.84 Mean Sheer.



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel **Isherwood Oil Tanker - Complete Shelter Deck Vessel, Sister Ship of the S.S. "LIVINGSTONE ROE" built by the same Firm. The Fore Peak, No.1 Cofferdam, No.4 Cofferdam and space between Upper & Shelter Decks measured separately and given as follows:**

Under Deck Tonnage to Upper Deck	6083.78	Double Bottom Aft exempted. Aft Peak included also
Fore Peak	55.82	
No.1 Cofferdam	52.25	Cofferdams 2 & 3 in Under Upper Deck and Shelter Deck
No.4	46.24	
	6238.09	Tonnage.
Space between Upper & Shelter Dk.	1768.17	
Under Dk. Tonnage to Shelter Dk.	8006.26	

Owners **Imperial Oil, Limited,**  
Address **Toronto, Canada.**

Fee \$110.00 : : Received by me