

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 BuildingName 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 Frame Depth 10.0 Rule 7 3x2=-.50 No Sparring + 33	29.22 Ceiling + 20 Sheer -.82 Add for D. B. 79.	6083.78 Peak 55.82 Tanks No 10 52.25 No 40 46.24
CORRECTED DIMENSIONS.	462.83	60.05	28.62	6317.09

Co-efficient of fineness79 ✓
Any modification necessary }
[Para. 4 (a) to (e)*]
Co-efficient as corrected79 ✓

Allowance for strength in excess of Lloyd's rules = $8\frac{1}{2}$ ✓

State particulars—

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

ard
al
ted
36/29443
Shelter
Round of Spar-deck Beam 12" in 58'-6"
" " Main-deck " " " "

Sheer at Stem .77... 10775 at 1/2 length from Stem .22... 26.75
Sternpost 3075 53.875 " " Sternpost 4.75 13375
Drop in Sheer abaft amidships Nil .55% = 24.31

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

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

11. 5. 21	Fresh Water Line	above centre of Disc	...	...	...	...	...	...	7 1/2 ✓
	Indian Summer Line	" " "	...	...	...	...	...	...	6 1/2 ✓
	Winter Line	below " " "	...	...	...	...	...	...	6 1/2 ✓
	Winter North Atlantic Line	" " "	...	...	...	...	...	...	✓

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.

Moulded Depth as measured 29'-9" Main Deck.
" " " 37'-3 1/4" Shelter
Addition for Keel 2-3/8" Spar or Awning-Deck.

NOTE.—If the depth is measured when vessel is afloat, the details of measurement should be reported.

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 ✓

Height of 'Tween Decks..... 7'-6 1/4"

(From top of beam to top of beam at side)

Correction for Height of 'Tween Decks in Spar-decked Ships..... ✓

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 ✓
(14 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 ✓

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..... ✓

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 ✓

Winter Freeboard from Deck Line 11 - 8 1/2 ✓
Summer " " " 11 - 2 ✓
Indian Summer " " " 10 - 7 1/2 ✓
N. A. Winter " " " 11 - 2 ✓
(Shelter (Iron) Deck) 7 1/2 ✓

7 1/2 ✓
6 1/2 ✓
6 1/2 ✓
✓

Shelter Deck

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

Do all the Frames extend to the top height in the Poop? Longitudinal Framing

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

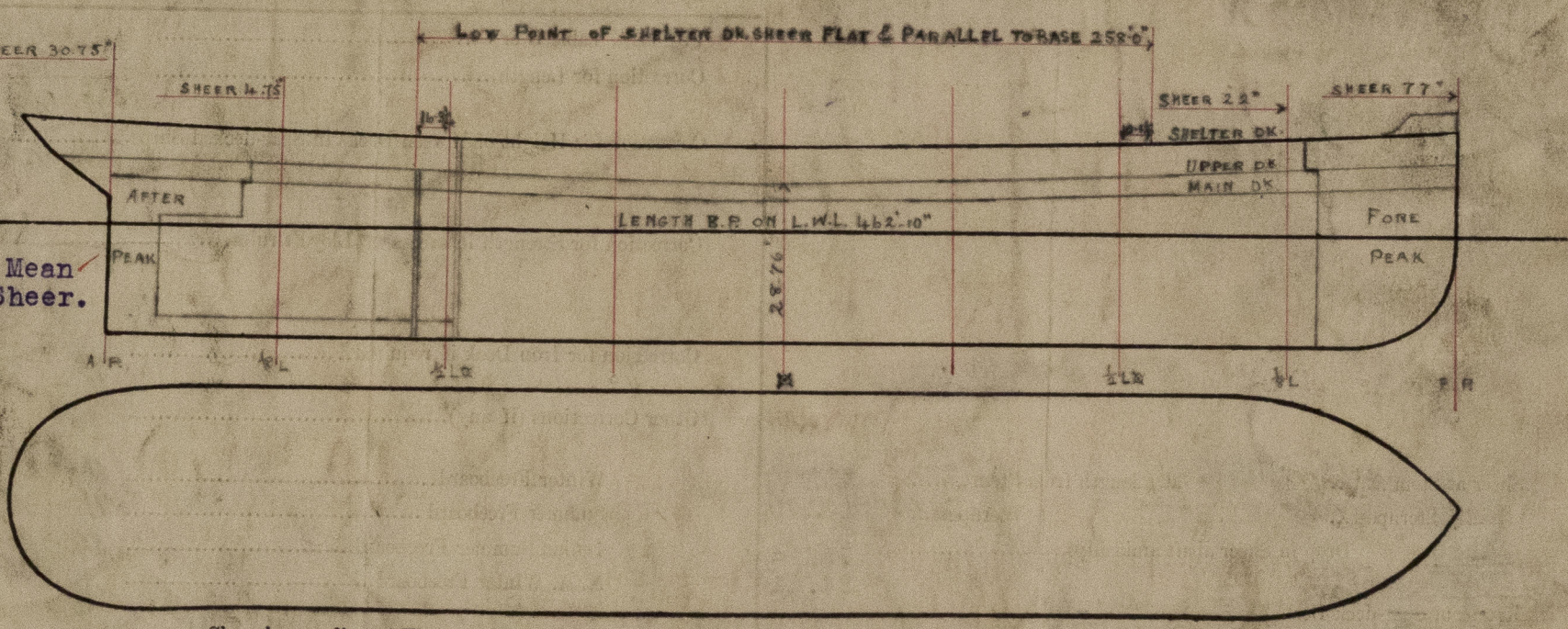
Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:— Yes

Position and Size.		No. 1 Cargo Hatch		9 Oil Tanks P&S		5 Oil Tanks P&S			
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	30"	As	30"	As	30"	As		
	Thickness { Sides.....	.44"		.38"		.38"			
	{ Ends.....	.44"	Fitted	.38"	Fitted	.38"	Fitted		
SHIFTING BEAMS OR WEB PLATES.	Number	1		.38" Steel Covers		.38" Steel Covers			
	Section and Scantlings	12x35 lb. 1 Beam		Main Tanks		Summer Tanks			
	Material	2 1/2"x2 1/2"x30L Steel							
* 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
8/214.75
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 "	all below 55.82	
No.1 Cofferdam "	Upper Dk. 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