

REC'D NEW YORK FEB 17 1921

John Washington 29645
W.H. Libby 29713

Lloyd's Register of Shipping. 421

SURVEYS FOR FREEBOARD.

PARTICULARS IN RESPECT OF STEAM SHIPS HAVING SPAR OR AWNING DECKS.
 G.M. Standifer Construction Corporation's hull No. 18.

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

Ship's Name. **"LIVINGSTONE ROE"**
 Port of Registry and Nationality. Bayonne N.J. U.S.A.
 Official Number. _____
 Gross Tonnage. _____
 Date of Build. 1921
 Particulars of Classification. 100 A.1. Shelter Deck with Freeboard contemplated.

COPY WRITTEN

LENGTH.	BREADTH.	DEPTH.	UNDER DECK
462'-10"	Ext. 60.22' Average D. 34.5' Frame Depth 7' Rule 3.50 Diff. 2.33 No. 50 Sparring 33	29.22 Ceiling 7.20 Sheer -.82	Tonnage to Upper Deck 6083.78 Fore Peak 55.82 Tanks No. 1 C 52.25 No. 4 C 4624 Add for DB + 79.0
462.83	60.225 59.91	28.60 28.40	6317.99 6238.09

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

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

Efficient of fineness79
 Modification necessary [Para. 4 (a) to (e)]
 Efficient as corrected79-79

CORRECTION FOR LENGTH:—

Length of Ship on Load Line.....	462.83 ✓
Length in Table.....	357.00 ✓
Difference.....	105.83 ✓
Correction for 10ft.....	.8 ✓
× Difference ÷ 10 =	8.4664 ✓
	+ 8 1/2" ✓

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

Particulars—
*Constructed for carrying Petroleum in bulk
 Longitudinal framing and deep Transverses
 Three steel decks*

Height of 'Tween Decks..... 7'-6"
 (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 ✓
Correction for Height of 'Tween Decks in Spar-decked Ships.....	5 - 0 1/2 ✓
(3/4" stringer on shelter dk)	7 - 6 1/4 ✓
	12 - 6 3/4 ✓
Correction for Strength in excess of Lloyd's rules.....	8 1/2 ✓
(Tab A limit)	11 - 10 1/4 ✓
Correction for Iron Deck if required.....	+ 3 1/4 ✓
Other Corrections (if any).....	11 - 7 ✓
Winter Freeboard.....	11 - 7 ✓
Summer Freeboard.....	11 - 6 1/2 ✓
Indian Summer Freeboard.....	10 - 6 ✓
N.A. Winter Freeboard.....	✓

at Stem 77 } 107.75 at length from Stem 22 } 26.75
 Sternpost 30.75 } 53.875 " " " Sternpost 4.75 } 13.375
 Drop in Sheer abaft amidships... Nil.....
 Shelter Dk. 43
 of Spar-deck Beam..... 12" in 58'-6"

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 ✓
Shelter N.A. Winter " " ".....	11 - 2 1/2 ✓
	6 1/2 ✓
	6 1/2 ✓

Length	×	Height.	State if open or closed at ends.
.....	×
.....	×
.....	×

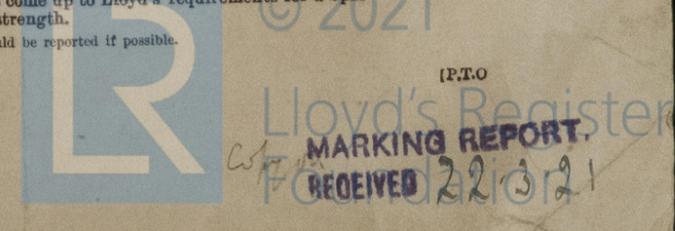
BOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—

Fresh Water Line	above	centre of Disc
Indian Summer Line	"	"
Winter Line	below	"
Winter North Atlantic Line	"	"

3-21

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.

62-20-0082-47-0296



Shelter Dk. Yes Awning deck? Report No.

Do all the Frames extend to the top Height in the Spar deck? Longitudinal Bridge House? Forecastle?

To what height do the Reverse Frames extend? Framing

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

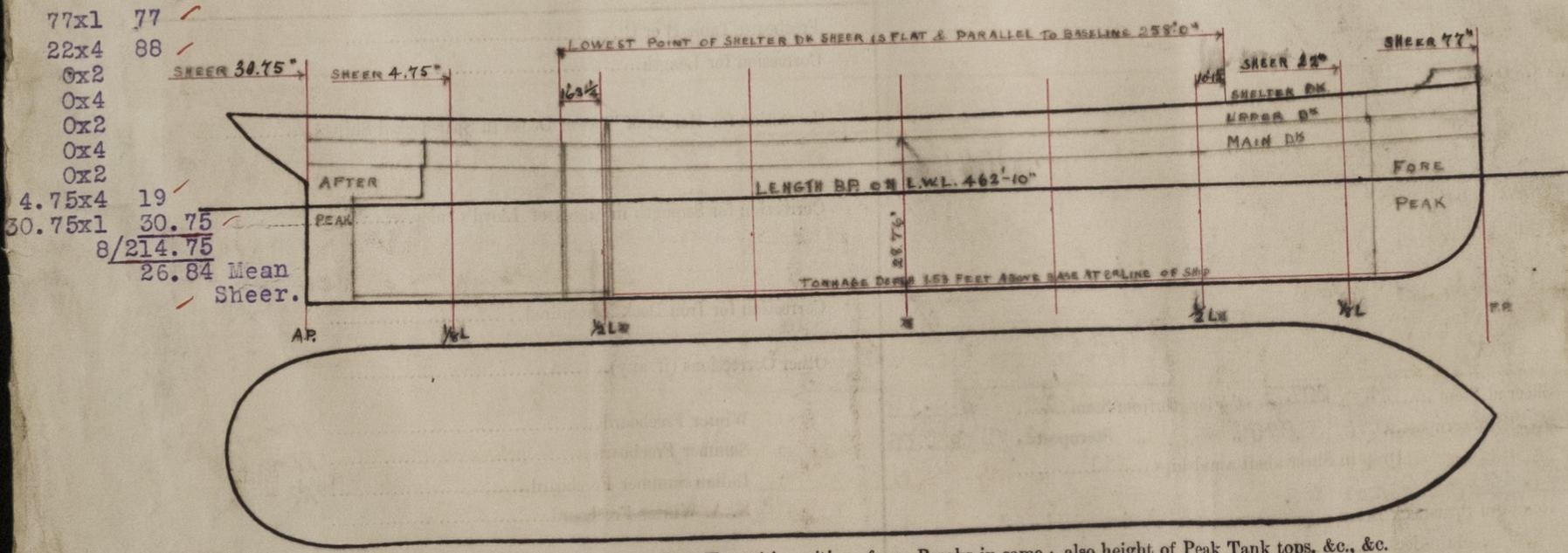
Give thickness of plating; scantlings and spacing of Stiffeners 5/16" Coaming 3/8" Stiffs. 5"x3"x3/8" spaced 30" apart.

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		Ship.	Rule.	Ship.	Rule.
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.				
Item.	8'4"x12'0"		4'0"x6'0"		6'0"x6'0"					
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 PLATES	Number.....	1.	.38" Steel Covers		.38 Steel Covers					
	Section and Scantlings.....	12x35 lb. Beam	Main Tanks		Summer Tanks					
	Material.....	2 1/2 x 2 1/2 x 60 L 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.)



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. **"W.H. LIBBY"** 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 Cofferdams 2 and 3 in Under Upper Dk. and Shelter Dk. Tonnage.
Fore Peak	55.82	
No. 1 Cofferdam	52.25	
No. 4	46.24	
	<u>6238.09</u>	

Space between Upper & Shelter Dk. 1768.17
 Under Dk. Tonnage to Shelter Dk. 8006.26

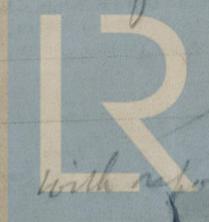
+ 813 aft - 79
8085.26
 Owners The Standard Oil Company of New Jersey.

Address

Fee \$ 50.00 :

Received by me

In Displacement & Tonnage with Curve refer letter 19 Jan'y 1921



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