

Awning or Shelter Deck,
or Pt. Awning Deck.

STEEL STEAMER.

No. 620

State if Report is also sent on the Machinery of the Vessel Yes

TUE. 22 MAR. 1921

Port of Portland, Oregon Date of completion of Report Feb. 28, 1921. Received at London Office

Survey held at Vancouver Washington Date, First Survey June 15, 1920

Last Survey Feb. 19, 1921. 191

On the (State if Single, Twin, or Triple Screw) Single Screw Oil Tank Steamer "LIVINGSTONE ROE" Rig E. & A. Schr.

TONNAGE under 2083.78

CLASS 100 A.1. Shelter Deck FEET.

Master R. A. Smith

Do. between Tonnage Dk. and 1768.17

Breadth (greatest moulded) 60.0

Year of Appointment (1) As Master in service of owner of present vessel: 1917 (2) As Master of this vessel: 1914

Total under Upper Dk.

Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 37.16

Built at Vancouver, Wash. U.S.A.

Do. of Poop

Deduct height of 'tween deck when this does not exceed 8ft. 29.66

When built 1921 Launched Jan. 15 '21.

Do. of R. Qr. Dk.

Transverse Number 89.66

By whom built G.M. Standifer Const. Corp.

Do. of Bridge House

Do. of Forecastle 198.47

Length on deck from fore part of stem to after part of sternpost 463.25

Owners Standard Oil Co. of New Jersey.

Do. of excess of Hatchways

Do. above Crown of 143.76

Longitudinal Number 41539

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

Gross Tonnage 8194.18

Less Crew Space 285.35

Depth "d" at middle of length. See Secs. 2 & 13 12.46

Residence

Less above Crown of Engine Room

TONNAGE FOR FEES 1879.17

Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel 15.62

Port belonging to Bayonne, New Jersey

Less Engine Room

Less Navigation Spaces 94.70

Register Tonnage 5934.96 as cut on Beam

Destined Voyage San Francisco.

If Surveyed while Building, Afloat, or on Dry Dock Yes

LENGTH on Deck as per Rule	Ft.	Ins.	BREADTH Moulded	Ft.	Ins.	DEPTH, ACTUAL Do.	Top of Floors to top of Awn. or Shelter Dk. Beams	Ft.	Ins.	No. of Decks with flat laid	No. of Tiers of Beams
463	3		60	0		37.16	37	3		3	3
Dimensions of Ship per Register, Length 462.45 breadth 60.2 depth 29.07											
Awn. or Shelter Dk. Moulded depth, ft. 37 ins. 3 To Awn. or Shelter Dk. Round up of Uppermost Dk. Beam, Actual 12 ins.											
Upper Deck. Moulded depth, ft. 29 ins. 9 To Upper Dk.											

FRAMING.				PILLARS.			
FRAME, Angles, or Bars, amidships				PILLARS, In 'tween Deck, size and spacing			
Do. in peaks				" " Hold			
Do. in way of Double Bottoms at Solid Floors				" " Quarter, 'tween Dks.,			
" " at intermdt. Bkts.				" " in Hold			
Spacing of Frames from centre to centre amidships				KEELSONS AND STRINGERS.			
" length to collision bulkhead				CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate			
" of Frames from centre to centre in peaks				" Rider Plate			
REVERSED FRAME, Angles in Peaks				" Flat Keel Plate Angles			
Do. in way of Double bottoms at Solid Floors				" Horizontal Plates on Floors			
" " at intermdt. Bkts.				" Angles or Bulb Angles			
FRAMING, depth of girder				SIDE KEELSONS, Number			
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships				" Angles or Bulb Angles			
" in way of Engine and Boiler spaces				" Plate above floors, for length			
" thickness at the ends of vessel				" Intercostal Plate, for length			
" depth at 1/2 the half-bdth. as per Rule				" Attached to outside plating with Angle			
" height extended at the Bilges				BILGE KEELSON, Angles			
FLOORS, in Cell Double Bottoms E&B Space				" Intercostal Plate, for length			
" state if flanged (top and bottom)				" Attached to outside plating with Angle			
" spacing of Solid				SIDE STRINGERS, Number			
CENTRE GIRDER, in Dbl. bottom, dpth. & thknss				" Angle			
" Angles, Top				" Intercostal Plate, for lng.			
" Bottom				" Attached to outside plating with Angle			
" to Floors				Awning or Shelter Deck Stringer Plates, breadth and thickness			
" Brackets at intermdt. frmg., wdth & thknss				" Angle on ditto			
SIDE GIRDERS, number and thickness				" Tie Plates, fore and aft, outside Hatchways			
" Angles to Shell				" Deck, * Iron or Steel, for Whole lng.			
" state if flanged (top & bottom)				" Wood Deck, Material & thickness			
" Angles To Tank Top				Upper Deck Stringer Plate, breadth and thickness			
MARGIN PLATE, depth (exclusive of flange) and thickness				" Angles on ditto, No.			
" Angles to outside plating				" Tie Plates, outside Hatchways			
" to floors				" Deck, * Iron or Steel, for Whole lng.			
" Brackets at intermdt. frmg., wdth & thknss				" Wood Deck, Material & thickness			
" Height of Brackets above at bilge				Second Deck Stringer Plates, br'dth & thkn's			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake				" Angles on ditto, No.			
" thickness in Engine and Boiler space				" Tie Plates, outside Hatchways			
" Remainder in Holds				" Deck, * Material and thickness Steel			
BEAMS, Awning or Shltr Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel				Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness			
" Spacing				" Angles on ditto, No.			
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel				" Tie Plates, outside Hatchways			
" Spacing				" Deck, Material and thickness			
BEAMS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel				Poop Deck Stringer Plate, breadth & thickness			
" Angles on upper edge				" Angles on ditto			
" Spacing				" Tie Plates			
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel				" Deck, Material and thickness			
" Angles on upper edge				Bridge Deck Stringer Plate, br'dth & thickness			
" Spacing				" Angle on ditto			
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel				" Tie Plates			
" Angles on upper edge				" Deck, Material and thickness			
" Spacing				Forecastle Deck Stringer Plate, br'dth & th'kns			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel				" Angle on ditto			
" Angles on upper edge				" Tie Plates			
" Spacing				" Deck, Material and thickness			

* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.				AMIDSHIPS.		ENDS.		AMIDSHIPS.		ENDS.		RIVETING.					
				In Ship.		In Ship.		Per Rule or as approved.		Per Rule or as approved.		Rivets in Longitudinal Frames. Diam. Speng.		Spacing of Rivets on each side of Transverses and Bulkheads. Inches.		Rivets in Brackets to Bulkheads. Number. Diameter. Inches.	
				Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.				
Framing of L, L or C				Channels		lbs		lbs		lbs		lbs					
Frames in Bridge 'tween Decks...																	
Frames from Uppermost Continuous Deck				No. 1		8 3.4 21.5		8 3.4 21.5		8 3.4 21.5		7/8 51		51		12 7/8	
Framing from Awning, Shelter or Upper Deck to Margin Plate.				" 2		" " "		" " "		" " "		" " "		" "		" "	
				" 3		" " "		" " "		" " "		" " "		" "		" "	
				" 4		" " "		" " "		" " "		" " "		" "		" "	
				" 5		10 3.5 27.2		10 3.5 27.2		10 3.5 27.2		10 3.5 27.2		" "		" "	
				" 6		" " "		" " "		" " "		" " "		" "		" "	
				" 7		" " "		" " "		" " "		" " "		4		3 1/2	
				" 8		" " "		" " "		" " "		" " "		" "		" "	
				" 9		" " "		" " "		" " "		" " "		" "		" "	
				" 10		10 3.8 30		10 3.8 30		10 3.8 30		10 3.8 30		" 3 1/2		3-1/8	
				" 11		12 3.7 35		12 3.7 35		12 3.7 35		12 3.7 35		" "		" "	
Meets Tank Margin Aft				" 12		" " "		" " "		" " "		" "		" "		14	
				" 13		18 3.4 42.5		18 3.4 42.5		18 3.4 42.5		18 3.4 42.5		" "		20	
				" 17		" " "		" " "		" " "		" " "		" "		" "	
				" 23		" " "		" " "		" " "		" " "		" "		" "	
18 Side Girder																	
Spacing of Longitudinal Frames				Amidships		30"											
				At Ends		27" Aft & 21" in Bottom at Coll. Bhd.											
Double Bottoms				Tank Top Longitudinals		7 3.4 18.6		under Boiler & Fuel Oil Tank									
K, L & C				Bottom		7 3.4 29.1		See letter									
Spacing of Longitudinals				Amidships		T. Top under Boilers & O.F. Tank		spaced 30" apart								under Deep Tank Fwd. 27" apart	
				At Ends...		27" average		As Fitted									
Transverses.												Rivets in Lugs to Shell Diam. Speng.					
Shelter In Bridge				Depth and Thickness		16.40		16.40		16.40		16.40					
'tween Decks				Face Angles		4 3 .43		4 3 .43		4 3 .43		4 3 .43					
				Lugs to Shell* J.O.G.		3 1/2 3 1/2 .43		3 1/2 3 1/2 .43		3 1/2 3 1/2 .43		3 1/2 3 1/2 .43		7/8 4			
In Awning, Shelter or Upper 'tween Decks.				Depth and Thickness		18.40		18.40		18.40		18.40					
				Face Angles		4 3 .43		4 3 .43		4 3 .43		4 3 .43					
				Lugs to Shell* J.O.G.		3 1/2 3 1/2 .43		3 1/2 3 1/2 .43		3 1/2 3 1/2 .43		3 1/2 3 1/2 .43		7/8 4			
In Hold.				Depth and Thickness		30.50		27.50		30.50		27.50					
				Face Angles		6 3 1/2 .68		6 3 1/2 .62		6 3 1/2 .68		6 3 1/2 .62					
				Lugs to Shell* J.O.G.		8 8 .62		6 6 .44		8 8 .62		6 6 .44		7/8 4		8x8 L Aft carried up to Long. 9.	
						.48 & .44		.50		.48 & .44		.50				See letter	
Brackets						9'-3"		9'-0" Aft		9'-3"		9'-0" Aft					
Spacing of Transverse Frames						8'-4" Fwd.				8'-4" Fwd.							
* State if joggled or liners.																	
Longitudinal Beams of K, L & C				Bridge Deck ...		lbs		lbs		lbs		lbs		Spacing.			
				Awg. or Shltr. Dk.		6 3.5 15		6 3.5 15		6 3.5 15		6 3.5 15		30"		Transverse	
				Upper "		7 3.3 16		7 3.3 16		7 3.3 16		7 3.3 16		28"		.40 6x3 1/2 x .62 As Fitted.	
				Second "		8 3.4 21.5		8 3.4 21.5		8 3.4 21.5		8 3.4 21.5		29"		.40 "	
				Third "												.42 "	

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

5c,4,19.—T.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle ✓ ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks (~~if Iron or Steel~~) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 2 Steel Decks and Shelter Deck. 3 Tiers of Beams

Official No. 221031 ; Signal Letters M C K H .

State if Machinery is fitted aft Yes

How are the surfaces preserved from oxidation? Inside **3 Coats Paint**

Outside 4 Coats Paint

fitted only, under Engines & Boilers

PARTICULARS OF WATER BALLAST.—~~State whether~~ fitted only under Engines & Boilers the Double bottom is constructed on the cellular system or with girders on floors. Cellular

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, at , under Fuel Oil Tank	17	93.0	Fore peak tank,	24	179.4
Double bottom, under Engines and Boilers,	68.75	186.6	After peak tank,	23	102.8
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, Tr. 56 to 62	50	334.5
Double bottom, forward,			Other tanks, if fitted, 2F. WTanks Main Dk. Tr. 15 to 16	9	66.5
Total capacity of double bottom		279.6	(If necessary, furnish further information by sketch.)		
				Yes	

* The wells are not to be included in the lengths of the tanks.

State whether the above have been tested as required by the Rules..... **Yes**

Order for Special Survey No. 105

Date ~~June 3, 1920~~

No. 18 in builder's yard.

DATES of Surveys held while building

1920
June 15, 19, 22, 25, 28. July 1, 5, 8, 12, 14, 20, 23, 27, 30. Aug. 3, 6, 9, 12, 16, 20, 23
27, 30. Sept. 3, 6, 9, 13, 17, 20, 23, 27, 30. Oct. 4, 8, 15, 16, 19, 23, 27. Nov. 1, 4, 9
15, 18, 20, 23, 26, 30. Dec. 1, 4, 8, 13, 17, 18, 20, 21, 23, 24, 29. Jan. 3, 4, 5, 6, 7, 10, 12
13, 14, 19, 21, 22, 25, 26, 27, 28, 29. Feby 1, 2, 5, 8, 11, 15, 16, 17, 19.

Total No. of Visits 85.

Surveyor's Signature

Walker Lang.