

# With or Without Disconnected Erections.

## STEEL STEAMER.

Received at London Office

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

Date of completion of report October 8, 1919.

Port of Portland, Oregon

No. 578

Survey held at Portland, Oregon

Date, First Survey April 25, 1919

Last Survey October 1,

1919.

On the (State if Single, Twin, or Triple Screw)

Single Screw Steamer "WEST RARITANS"

Rig Derrick Rigged

TONNAGE under 5138.92

CLASS \*100 A.1.

FEET.

Master O. Frederickson

Tonnage Deck...

Breadth (greatest moulded) 54.0

Year of appointment (1) As Master in service of owner of present vessel: 191- (2) As Master of this vessel 191

Do. between Tonnage Dk. and 3rd and 4th Dk.

Depth, at middle of length from top of keel to top of upper deck beams at side 30.16

Built at Portland, Oregon

Total under Upper Dk.

Transverse Number 84.16

When built 1919 Launched August 6, 1919

Do. of Poop 145.68

Length on deck from fore part of stem to after part of stern post 410.46

By whom built Northwest Steel Company

Do. of Saddleback 7.82

Longitudinal Number 34543

Owners Emergency Fleet Corporation

Do. of Bridge House 444.78

Depth "d," at middle of length (See Secs. 2 & 13) 18.41

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

Do. of Forecastle 128.50

Proportions—Depths to Length—Upper Deck Beam at side to top of keel 13.60

Residence

Do. of Houses on Dk. 177.49

" " Long Bridge Deck Beam at side to top of keel 10.61

Port belonging to Portland, Oregon

Do. of excess of Hatchways 42.53

Register Tonnage 3837.61

Destined Voyage

If Surveyed while Building, Afloat ~~xxxxxx~~ Yes

Do. above Crown of Engine Room 101.28

Gross Tonnage 6187.00

Less Crew Space 276.21

Less above Crown of Engine Room

TONNAGE FOR FEES..

Less Engine Room 1979.84

Less Navigation Spaces 93.34

Register Tonnage as cut on Beam

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	Second Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
410	5	1/2	54	0	Do.	Do.	Do.	Do.	18	5	Do.	2	2

Dimensions of Ship per Register, Length 409.8 breadth 54.2 depth 27.7 Moulded depth, ft. 38 ins. 8-3/8 To Bridge Dk. Round of Upper } 13 1/2 ins. Moulded depth, ft. 30 ins. 2-3/8 To Upper Dk. Dk. Beam, Actual }

FRAMING.				PILLARS.			
Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
FRAME, Angles, in peaks amidships				PILLARS In 'tween Deck, size and spacing			
9	3.8	28.6	9	3.8	28.6	3x.62	lbs. Single as fit-ted.
Do. in peaks				" " " "			
6	3.5	11.7	6	3.5	11.7	" "	" "
Do. in way of Double Bottoms at Solid Floors				" " in Hold			
3 1/2	3 1/2	9.8	3 1/2	3 1/2	9.8	12x132.5 lbs.	" "
" " at intermdt. Bkts.				KEELSONS & STRINGERS.			
" " length to Collision bulkhead				CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
27		27		" Rider Plate			
" " in peaks				" Flat Plate Keel Angles			
24		24		" Horizontal Plates on Floors			
" " at intermdt. Bkts.				" Angles or Bulb Angles			
3 1/2	3 1/2	7.9	3 1/2	7.9			
" " in way of Double Bottoms at Solid Floors				SIDE KEELSONS, Number			
3 1/2	3 1/2	9.8	3 1/2	3 1/2	9.8		
" " at intermdt. Bkts.				" Angles or Bulb Angles			
9		9		" Plate above floors, for length			
" " depth of girder				" Intercoastal Plate for length			
44	x	.40	44	x	.40		
" " at mid-line for length amidships				" Attached to outside Plating with Angle			
ES.40BS.50	ES.40BS.50	ES.40BS.50	ES.40BS.50	BILGE KEELSON, Angles			
" " in way of Engine and Boiler Spaces				" Intercoastal Plate for length			
		.36		" Attached to outside Plating with Angle			
" " thickness at the ends of vessel				SIDE STRINGERS, Number Two			
		.40		" Angle Single		7 3.5	17.0
" " depth at 1/2 the half breadth, as per Rule				" Intercoastal Plate, for Whole length		13 x	.44
		.40		" Attached to outside plating with Angle		3 1/2	3 1/2
" " height extended at the Bilges				Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)		62 x	66
		.40		" " br'dth & thickness (in way of Bridge)		62 x	.48
" " RS in Cell. Double Bottoms				" " Angle (clear of Bridge)		5 x 5 x	23.6
		No		" Tie Plate at sides of Hatchways		5 x 5 x	23.6
" " state if flanged (top & bottom)				" Deck. Iron or Steel, for Whole lng.		Steel	Steel
		No		" Thickness (clear of Bridge)		48 ends.	36
" " Spacing of Solid floors				" " (in way of Bridge)		.40	.40
		27		" Wood Deck. Material & thickness		No wood	deck
" " BE GIRDER, in Dbl. bottom, dpth. & thcknss.				Second Deck Stringer Plate, br'dth & thickness		47 x	.48
		.44		" Angles on ditto, No. Two		3 1/2	3 1/2
" " Angles, Top Double				" Tie Plates outside Hatchways			
		3 1/2		" Deck. Iron or Steel, for Whole lng.		.36 ends.	30
" " Bottom Double				" Thickness (clear of Bridge)		.36 ends.	30
		5		" " (in way of Bridge)		.40	.40
" " to Floors Single				" Wood Deck. Material & thickness		No wood	deck
		5		Third Deck Stringer Plate, br'dth & thickness			
" " Brackets at intermdt. frmg., wdth & thcknss				" Angles on ditto, No.			
		.40		" Tie Plates, outside Hatchways			
" " state if flanged (top and bottom)				" Deck. Material and thickness			
		Yes		Fourth and Fifth Deck Stringer Plate, br'dth & thickness			
" " Angles Top and bottom				" Angles on ditto, No.			
		3 1/2		" Tie Plates outside Hatchways			
" " to Floors				" Deck. Material & thickness			
		3		Poop Deck Stringer Plate, br'dth & thickness		35 x	.36
" " PLATE, depth (exclusive of flange) and thickness				" Angle on ditto		Single	8.5
		40 x	.48	" Tie Plates			
" " Angle to Outside Plating				" Deck. Material and thickness		Steel.	.32
		4		Bridge Deck Stringer Plate, br'dth & thickness		56 x	.56
" " Floors Single				" Angle on ditto		Single	5 x 5 x 20.0
		5		" Tie Plates			
" " Brackets at intermdt. frmg., wdth & thcknss				" Deck. Material and thickness		Steel.	.42
		above	above	Forecastle Deck Stringer Plate, br'dth & th'kns		35 x	.36
" " Height of Outside Brackets above at bilge				" Angle on ditto		3 1/2	3 1/2
		30 Margin	30 Margin	" Tie Plates			
" " BOTTOM PLATING, breadth and thickness of Middle Line Strake				" Deck. Material and thickness		Steel.	.32
		ES.52BS.56	ES.52BS.56	" " " "			
" " in Engine and Boiler space				" " " "			
		40 ends.	.36	" " " "			
" " Remainder in Holds				" " " "			
		7	3438	" " " "			
Upper Deck, Single Angle x Bulb				" " " "			
		7	3438	" " " "			
" " Angle x Bulb x Bulb				" " " "			
		12	3.5	" " " "			
" " Angle x Bulb x Bulb				" " " "			
		54		" " " "			
" " Spacing				" " " "			
		27		" " " "			
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel				" " " "			
		9	3.8	" " " "			
" " Angles on upper edge				" " " "			
		54		" " " "			
" " Spacing				" " " "			
		27		" " " "			
BEAMS, Bridge Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel				" " " "			
		7	3438	" " " "			
" " Angles on upper edge				" " " "			
		54		" " " "			
" " Spacing				" " " "			
		27		" " " "			
BEAMS, Forecastle Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel				" " " "			
		7	3438	" " " "			
" " Angles on upper edge				" " " "			
		54		" " " "			
" " Spacing				" " " "			
		27		" " " "			

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



WEB FRAMES.				FORGINGS or CASTINGS.			
WEB-FRAMES, In Fore Body, No. and spacing				KEEL, Bar, depth and thickness			
" " " " brdth. & thickness				STEM, moulding and thickness			
" " " " No. of Side Stringers " "				STERN-POST for Rudder do. do.			
WEB-FRAMES, In E. & B. Space, No. & spacing				" " " " for Propeller			
" " " " brdth. & thickness				RUDDER-A x D* Table 22. Speed 11 Knots			
WEB-FRAMES, In After Body, No. and spacing				" " " " Main-Piece, diameter at head			
" " " " brdth. & thickness				" " " " " at heel			
" " " " No. of Side Stringers " "				RUDDER, how constructed Single plate with forged Steel Arms.			
Size of Face Angles to Web-Frames				Thickness of Plates or Single Plate 1.10"			
BRACKET PLATES to Stringers between Web Frames, depth and thickness				Can the Rudder be unshipped afloat? Yes			
BULKHEADS.				Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c. Phoenix Iron Wks. Inland Steel Co. U.S. Steel Corporation. Pacific Coast Steel Co.			
W.T. BULKHEADS				Has the Steel been tested as required by the Rules? Yes.			
" COLLISION "				Open hearth steel.			
PARTITION				Brackets 50' thick fitted to side stringers			
LONGITUDINAL				Are the outside Plates doubled two spaces of Frames in length No, thick fitted to side stringers			
Are the outside Plates doubled two spaces of Frames in length No, thick fitted to side stringers				Water-tight Doors in efficient working order? Yes			
PLATING.				RIVETING.			
STRAKES.				EDGES Ordinary			
AS IN SHIP.				BUTTS.			
PER RULE OR AS APPROVED.				IF LAPPED.			
AMIDSHIP.				Double			
Breadth. Thickness.				Breadth. Thickness.			
Forward. Aft.				Breadth. Thickness.			
Flat Plate Keel				Double			
Garboard or A Strake				AtoB			
State actual thickness in inches of Double Bottom.				Double			
D "				Double			
E "				Double			
F "				Double			
G "				Double			
H "				Double			
J "				Double			
K "				Double			
L "				Double			
M "				Double			
N "				Double			
O "				Double			
P "				Double			
Q "				Double			
R "				Double			
S "				Double			
T "				Double			
U "				Double			
V "				Double			
W "				Double			
THICKNESS OF SHEERSTRAKE CLEAR OF LONG BRIDGE DO. OF STRAKE BELOW DELEG. OF Flat Plate Keel				Double			
Sheerstrakes Length and thickness.				Double			
POOP SIDES				Double			
SHORT BRIDGE SIDES				Double			
FORECASTLE SIDES				Double			
Upper Deck				Butts, Quad riveted for Half length amidship.			
Stringer Plate				Butts, Treble riveted for Whole length amidship.			
Second Deck				Butts, Treble riveted for Whole length amidship.			
Stringer Plate				Butts, Treble riveted for Whole length amidship.			
FRAMES extend in one length from Tank Margin to Upper & Bridge Dks. alt-ly.				State if ordinary or joggled Ordinary.			
REVERSED FRAMES on floors and frames extend from Center Girder to Tank Margin In Fore Peak to Upper and Forecastle Decks alternately. In after Peak all to Upper Deck.				State if ordinary or joggled Ordinary.			
MASTS, SPARS, &c.				RIVETING.			
LOWER MASTS				Butts.			
Main				Butts.			
Mizen				Butts.			
Bowsprit				Butts.			
Topmasts, Yards and Remainder of Spars				Butts.			
Rigging, Material and Size, Shrouds				Butts.			
Sails.				Butts.			

EQUIPMENT No. 35890				ANCHORS.				TONNAGE U. D. K. OR PLATING No. FOR TRAWLERS			
Number of Certificate.				Weight, Ex. Stock				Description of Anchor			
414				1st Bower				Baldt			
329				2nd				Do			
50717				3rd				Do			
50502				4th				Do			
50674				Kedge				Do			
Particulars of Drop Test of Cast Steel Anchors, viz.: Weight, Surveyor's Initials, Number of Certificate, Date of Test.				1st Bower 68 Cwts. 2 Qrs. 2 lbs. A. W. Lawson. 414. 31.7.19.				2nd 68 Cwts. 1 Qr. 4 lbs. A. W. Lawson. 329. 29.4.19.			
				3rd 56 Cwts. 2 Qrs. 12 lbs. M. Flynn 50717. 2.6.19.				4th			
CHAIN CABLES.				HAWERS AND WARPS.							
Number of Certificate.				Length and size supplied.				Length and size per Table 31.			
25				210				120			
63-A				60				180			
90 4 1/2				90 4 1/2				180			
Boats 4 Lifeboats 1 Work boat				Steering Gear, Steam Iron Works				Steering Gear, Hand 1788 Works			
Pumps, Number 1 Portable in Peak (Fore)				Diameter of Barrel.				State whether they are in efficient working order Yes			
Windlass is Pacific Machine Shop Manufacturing Co.				Capstan							
Engine Room Skylights. How constructed? Steel				What arrangements for deadlights in bad weather? Hinged Steel Plates							
Coal Bunker Openings. How constructed? 50" Coamings				How are lids secured Battens & Cleats				18"			
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Scuppers each side, 8 Freeing Ports each side.				Ceiling in Holds, thickness and material 2 1/2" Fir laid on transverse batten Cargo Battens, thickness and material 2" Fir.							
Cargo Hatchways. How formed? 50" Coamings 36" high with brackets & hor. stiffeners				Hatches, If strong and efficient? Yes							
State size No. 1 Hatch (Forward) 29'3"x17'0"				No. 2 Hatch 31'6"x17'0"				No. 3 Hatch 15'9"x17'0"			
No. 4 Hatch 29'3"x17'0"				No. 5 Hatch 27'0"x17'0"							
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 5 Webs except to No. 3 where 3 are fitted.				No. of Breasthooks 3				No. of Crutches 3			
Bulwarks, height above deck and description 3'6" high. Steel.				Main Rail, material and size 7" x 3.438 x 18.6 lb. Channel							
The foregoing is a correct description.				Builder's Signature (here enter) Walker & Lang				Surveyor's Signature			
Builder's Signature (here enter) Walker & Lang				Surveyor's Signature				Surveyor to Lloyd's Register of Shipping.			
Correspondence. State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)				"M" Dec. 18th 1918				"M" January 3rd 1919.			
Workmanship. Are the butts of plating planed or otherwise? Yes				Is the riveted work properly closed? Yes				Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes			
Are the liners between the frames and plates solid single pieces? Yes				Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes				Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces? Yes			
Do any rivets break into or through the seams or butts of the plating? a few				Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes				Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Yes			
State results of tests Good				Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes				State results of tests Good			
General Remarks (State quality of workmanship, &c.)				This Vessel is a Sister Ship of S. S. "WEST CHESWOLD" Report No. 576 and has been built in accordance with the approved plans. The materials are good and the workmanship in all respects to my satisfaction.							
The Double Bottom, Fore and After Peak Tanks, and Deep Ballast Tank have been constructed to carry Oil Fuel and should have notation in the Register Book: Fitted for Oil Fuel F.P. above 150° F.				The Deep Ballast Tank has been constructed in accordance with the approved plans. All Tanks and Weather Decks have been tested by water in accordance with the Society's requirements.				The notation "Pt. Cem." should be made in the Register Book.			
The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built.				The amount of Fee £ 25:00 : Oct. 24.1919				Fees applied for, Received by me, Oct. 28.1919			
Special Survey Fee £ 899:00 : Travelling Expenses, if any £ 15:00 :				State whether the Vessel has been built under Special Survey Yes				I am of opinion this Vessel should be Classed *100 A.1.			
With or without Freeboard, as condition of Class Yes				Committee's Minute New York NOV 2 5 1919				Character assigned + 100 A.1			
Lloyd's Register of Shipping				Lloyd's Register of Shipping				Lloyd's Register of Shipping			



GENERAL REMARKS—(continued).

Rpt. 4a.

REC  
Date of writing  
No. in Surv  
Reg. Book.  
on th

Master 0.  
Engines made  
Boilers made  
Nominal  
Shaft Horse I

TURBINE

Diameter of Roto  
Diameter of Jow  
Diameter of Whee  
Width of Face 1  
No. of Screw Sha  
No. of Blades  
Thickness at Bott

PARTICUL

1ST EXPANSION  
2ND  
3RD  
4TH  
5TH  
6TH  
7TH  
8TH

No. and size of  
No. and size of 1  
No. and size of B

No. of Bilge Injec  
Are all the bilge s  
Are all connection  
Are they fixed suf  
Are they each fitt  
What pipes are ca  
Are all Pipes, Co  
Are the Bilge Suc  
Is the Screw Sha

BOILERS,

Total Heating  
Working Press  
Can each boiler be  
each boiler Tv  
Smallest distance  
Thickness 1-9  
long, seams dou  
str

Per centages of str  
Size of compensati  
Length of plain p  
Working pressure  
Pitch of stays 12  
Material of stays  
Material steel

Diameter at small  
Thickness 13/16  
Diameter of tubes  
Pitch across wide  
Thickness of girder  
Working pressure  
Thickness of shell  
Working pressure

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LOM

Are  
is  
are

FLAT  
(D B  
GARR

State  
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area, m  
Re

U.D.

B.D.

THICKNESS  
CLEAR OF 1  
DO. OF 1  
DBLG. OF FL  
" S  
Length an  
POOP SIDES  
SHORT BRID  
FORECASTLE

Upper Dec  
Stringer I

Second Dec  
Stringer P

FRAMES ext  
REVERSED  
Forecast

LOWER MASTS  
Bowsprit  
Topmasts, Yards  
Rigging, Masts  
Sails.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 43.75 ft., R.Q.D. ft., Bridge 114.75 ft., Forecastle 46.5 ft.  
(in feet and tenths). ~~When~~ the Poop is joined to the B.D., ~~the Poop is joined to the B.D.~~

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 should appear in the Register Book) 2 Decks. Steel. 2 Tiers of Beams  
Official No. 219798; Signal Letters L S P C State if Machinery is fitted aft No  
How are the surfaces preserved from oxidation? Inside 3 Coats of Paint Outside 3 Coats of Paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	135.0	372.5	Fore peak tank,	22.5	132.
Double bottom, under Engines and Boilers,	45.0	188.0	After peak tank, To Upper Deck	16.0	143.
Double bottom, if under Engines only,			Deep tank, aft,	29.25	745.
Double bottom, if under Boilers only,	175.0	578.4	Deep tank, forward, Settling Tank	6.75	83.
Double bottom, forward,			Other tanks, if fitted, (If necessary, furnish further information by sketch.)		
	Total capacity of double bottom	1138.9	State whether the above have been tested as required by the Rules.	Yes	

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

Order for Special Survey No. 76

Date Sept. 17, 1918.

No. 33 in builder's yard.

Dates of Surveys held while building

April 25, 28, 30. May 2, 5, 7, 12, 26, 29. June 2, 5, 16, 18, 20, 23, 26, 30. July 2, 3, 5, 8, 10, 16, 18, 22, 25, 28, 31. August 4, 11, 19, 26. September 3, 10, 17, 24, 26. October 1.

Total No. of Visits

Surveyor's Signature

Walter Lang

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Foundation