

With or Without
Disconnected Erections.

REG'D NEW YORK Dec 12 1919 34186
STEEL STEAMER.

Received at London Office: 1820

Date of completion of report December 6, 1919 State of Report is also sent on the Machinery of the Vessel *yes*
Survey held at Portland, Oregon Port of Portland, Oregon No. 585 584 (per R. from P&H)
Date, First Survey Sept. 2, 1919 Last Survey November 29, 1919.

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

Rig F. & A. Schr.

TONNAGE under 5143.56

CLASS *100 A.1.

FEET.

Master F. M. Seeley

Year of appointment

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

Tonnage Deck... 5143.56

Breadth (greatest moulded) 54.0

Do. between Tonnage Dk. and 3rd and 4th Dk. 148.26

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

Do. of R.Q.Dk. 91.73

Transverse Number 84.16

Do. of Bridge House 125.72

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

Do. of Forecastle 178.66

Longitudinal Number 34543

Do. of Houses on Dk. 42.85

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

Do. of excess of Hatchways 18.11

Proportions—Depths to Length—Upper Deck Beam at side to top of keel 13.50

Do. above Crown of Engine Room 5748.89

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

Gross Tonnage 270.70

Less Crew Space 1839.64

Less above Crown of Engine Room 88.35

TONNAGE FOR FEES. 3550.20

Less Engine Room 1839.64

Less Navigation Spaces 88.35

Register Tonnage as cut on Beam 3550.20

Destined Voyage

If Surveyed while Building, Afloat, ~~in Dry Dock~~ Yes

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.	Do. do. Second Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
	410	5 1/2		54	0							2	2

Dimensions of Ship per Register, Length 410 breadth 54.2 depth 27.5

Moulded depth, ft. 38 ins. 9 To Bridge Dk. Round of Upper Dk. Beam, Actual 13 1/2 ins.

Moulded depth, ft. 30 ins. 3 To Upper Dk.

FRAMING.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Appro.	Inches per Rule Or as Appro.	Inches per Rule Or as Appro.	PILLARS. H. Sections	Inches. Size in Ship.	Inches. Spacing in Ship.	Inches per Rule. Or as	Inches per Rule. Approved.				
FRAME, Angles, as per Rule amidships	9	3.8	28.6	9	3.8	28.6	PILLARS In 'tween Deck, size and spacing	8x.62	lbs.	Single	as				
Do. in peaks	6	3.5	11.7	6	3.5	11.7	" " as per Rule " "	about 30	'	apart	(fit) ted.				
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	9.8	3 1/2	3 1/2	9.8	" " Quarter Section " "								
" " at intermdt. Bkts.							" " in Hold " "	12x13	2.5	lbs.	" "				
g of Frames from centre to centre amidships	27			27			KEELSONS & STRINGERS.								
" " from 1/2 }	27			27			CENTRE LINE KEELSON, Vertical Plate above }								
" " length to Collision bulkhead }	24			24			floors, Through Plate, or Intercoastal Plate }								
" " in peaks..	24			24			" Rider Plate.....								
ERSED FRAME, Angles... in peaks	3	3 1/2	7.9	3	3 1/2	7.9	" Flat Plate Keel Angles								
in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	9.8	3 1/2	3 1/2	9.8	" Horizontal Plates on Floors								
" " at intermdt. Bkts.							" Angles or Bulb Angles								
ING, depth of girder	9			9			" SIDE KEELSONS, Number								
ERS, depth and thickness of Floor Plate }	44	x	.40	44	x	.40	" Angles or Bulb Angles								
at mid-line for 1/2 length amidships... }	ES. 40BS. 50			ES. 40BS. 50			" Plate above floors, for length...								
in way of Engine and Boiler Spaces	ES. 40BS. 50			ES. 40BS. 50			" Intercoastal Plate, for length								
thickness at the ends of vessel36			.36			" Attached to outside Plating with Angle...								
depth at 1/2 the half breadth, as per Rule ...							" BILGE KEELSON, Angles								
height extended at the Bilges							" Intercoastal Plate for length								
RS in Cell. Double Bottoms40			.40			" Attached to outside Plating with Angle ...								
state if flanged (top & bottom)	No			No			" SIDE STRINGERS, Number Two		lbs.	lbs.					
Spacing of Solid floors	27			27			" " Angle Single	7	3.5	17.0	7	3.5	17.0		
RE GIRDER, in Dbl. bottom, dpth. & thcknss.	44	.52		44	.52		" Intercoastal Plate, for Whole length	13	x	.44	13	x	.44		
" Angles, Top Double	3 1/2	3 1/2	12.4	3 1/2	3 1/2	12.4	" Attached to outside plating with Angle.....	3 1/2	3 1/2	9.8	3 1/2	3 1/2	9.8		
" " Bottom Double	5	5	18.1	5	5	18.1	Upper Deck Stringer Plate, br'dth & thickness }	62	x	66	62	x	66		
" " to Floors Single	5	5	18.1	5	5	18.1	(clear of Bridge) }	62	x	.48	62	x	.48		
Brackets at intermdt. frmg., wdth & thcknss							br'dth & thickness }	5x5	x	23.6	5x5	x	23.6		
GIRDERS, number on each side & thickness	2	@	.40	2	@	.40	Angle (clear of Bridge) ...								
" state if flanged (top and bottom)	Yes			Yes			" Tie Plate at sides of Hatchways.....								
" Angles (top and bottom)	3 1/2	3 1/2	9.8	3 1/2	3 1/2	9.8	" Deck. * Iron or Steel, for Whole lng.	Steel		Steel					
" " to Floors	3	3	8.3	3	3	8.3	" Thickness (clear of Bridge)	48	ends. 36	48	ends. 36				
N PLATE, depth (exclusive of flange) }	40	x	.48	40	x	.48	" " (in way of Bridge)40		.40				
" Angle to Outside Plating	4	4	12.8	4	4	12.8	" Wood Deck. Material & thickness	No wood	deck						
" " Floors Single	5	3 1/2	12.0	5	3 1/2	12.0	Second Deck Stringer Plate, br'dth & thickness	47	x	.48	47	x	.48		
Brackets at intermdt. frmg., wdth & thcknss							" Angles on ditto, No. Two	3 1/2	x	11.9	3 1/2	x	11.9		
Height of Outside Brackets above at bilge	30	margin		30	margin		" Tie Plates outside Hatchways								
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	44	x	.52	44	x	.52	" Deck. * Iron or Steel, for Whole lng.	.36	ends. 30	.36	ends. 30				
" " in Engine and Boiler space	ES. 52BS. 56			ES. 52BS. 56			" Wood Deck. Material & thickness	No wood	deck						
" " Remainder in Holds.....	.40	ends. 36		.40	ends. 36		Third Deck Stringer Plate, br'dth & thickness								
BEAMS, Upper Deck, Single Angle, Bulb }	7	3.43	18.6	7	3.43	18.6	" Angles on ditto, No.								
Angle, Plate, Tee Bulb, or Channel }							" Tie Plates, outside Hatchways.....								
" In way of Long Bridge							" Deck. * Material and thickness								
" Spacing	27			27			Fourth and Fifth Deck Stringer Plate, }								
BEAMS, Second Deck, Single Angle, Bulb }	12	3.5	32.7	12	3.5	32.7	breadth & thickness }								
Angle, Plate, Tee Bulb, or Channel }							" " Angles on ditto, No.								
" Spacing	54			54			" " Tie Plates outside Hatchways								
BEAMS, Third and Fourth Deck, Single Angle, }							" " Deck. Material & thickness.								
Bulb Angle, Plate, Tee Bulb, or Channel }							Poop Deck Stringer Plate, breadth & thickness	35	x	.36	35	x	.36		
" Angles on upper edge							" Angle on ditto Single	3 1/2	x	8.5	3 1/2	x	8.5		
" Spacing							" Tie Plates								
BEAMS, Poop Deck, Single Angle, Bulb }	9	3.8	28.6	9	3.8	28.6	" Deck. Material and thickness.	Steel	.32	Steel	.32				
Angle, Plate, Tee Bulb, or Channel }							Bridge Deck Stringer Plate, br'dth & thickness	56	x	.56	56	x	.56		
" Angles on upper edge							" Angle on ditto..... Single	5	x	5x	20.0	5	x	5x	20.0
" Spacing	54			54			" Tie Plates								
BEAMS, Bridge Deck, Single Angle, Bulb }	7	3.43	18.6	7	3.43	18.6	" Deck. Material and thickness.	Steel	.42	Steel	.42				
Angle, Plate, Tee Bulb, or Channel }							Forecastle Deck Stringer Plate, b'dth & th'kns	35	x	.36	35	x	.36		
" Angles on upper edge							" Angle on ditto.....	3 1/2	x	8.5	3 1/2	x	8.5		
" Spacing	27			27			" Tie Plates								
BEAMS, Forecastle Deck, Single Angle, Bulb }	7	3.43	18.6	7	3.43	18.6	" Deck. Material and thickness	Steel	.32	Steel	.32				
Angle, Plate, Tee Bulb, or Channel }															
" Angles on upper edge															
" Spacing	27			27											

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

WEB FRAMES. WEB-FRAMES, In Fore Body, No. and spacing. No. of Side Stringers. WEB-FRAMES, In E. & B. Space, No. and spacing. No. of Side Stringers. BRACKET PLATES to Stringers between Web Frames, depth and thickness. BULKHEADS. W.T. BULKHEADS. COLLISION PARTITION. LONGITUDINAL. FORGINGS or CASTINGS. KEEL, Bar, depth and thickness. STEM, moulding and thickness. STERN-POST for Rudder do. do. RUDDER-A x D Table 22. Speed. Main-Piece, diameter at head. RUDDER, how constructed. Single plate with forged steel arms. Thickness of Plates or Single Plate. 1.10". Manufacturer's name or trade mark of the Iron or Steel. Phoenix Iron Wks., Inland Steel Co. U.S. Steel Corporation, Pacific Coast Steel Co. Open hearth Steel. Has the Steel been tested as required by the Rules? Yes. PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. Ordinary or Joggled? Riveting. BUTTS. Double or Treble and for what Length. STRAPS. IF LAPPED. THICKNESS OF SHEERSTRAKE CLEAR OF LONG BRIDGE. DO. OF STRAKE BELOW DBLG. OF PLATE. SHEERSTRAKES Length and thickness. POOP SIDES. SHORT BRIDGE SIDES. FORECASTLE SIDES. Upper Deck. Stringer Plate. Second Deck. Stringer Plate. FRAMES extend in one length from Tank Margin to Upper & Bridge Decks. REVERSED FRAMES on floors and frames extend from Center Girder to Tank Margin. Forecastle Decks alternately. In After Peak all to Upper Deck. MASTS, SPARS, &c. LOWER MASTS. Bowsprit. Topmasts, Yards and Remainder of Spars. Rigging, Material and Size, Shrouds. Sails. Suit of Sails, and the following spars.

EQUIPMENT No. 35890. LETTER Z. ANCHORS. TONNAGE U. S. D. K. OR PLATING No. FOR TRAWLERS. Number of Certificate. Anchors. WEIGHT, EX. STOCK. WEIGHT OF STOCK. TEST, PER CERTIFICATE. WEIGHT REQUIRED BY TABLE 31. Description of Anchor. Makers. Where and when tested and by whom. Particulars of Drop Test of Cast Steel Anchors, viz.: Weight, Surveyor's Initials, Number of Certificate, Date of Test. CHAIN CABLES. HAWSERS AND WARPS. Number of Certificate. Length and size supplied. Test per Certificate. WEIGHT OF CHAIN CABLE. Length and size per Table 31. Description. Makers of Cables. Where and when tested, and by whom. Material. Length and size supplied. Breaking Test of Steel Wire Towline. Length and size per Table 31. Number of Scaffolds. Number of Dimensions of Freeing Ports, &c. 6 Scuppers each side, 8 Freeing Ports each side. Ceiling in Holds, thickness and material. 2 1/2" Fir laid on transverse. Cargo Batten, 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" are fitted. 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"x3.438x18.5 Channel. The foregoing is a correct description. Builder's Signature (here only) Columbia River Ship Building Corp. Surveyor's Signature Walker Lang. Correspondence. State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case). Workmanship. Are the butts of plating planed or chamfered? Yes. Is the riveted work properly closed? 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 the S. S. J. R. GORDON built by the Northwest Steel Company report No. 583, and of the S. S. "WEST NOSSKA" built by the Columbia River Ship Bldg. Corp., report No. 568 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 have been constructed to carry Oil Fuel and should have the 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 for an Oil Fuel Tank as far as the Steel Work is concerned but is piped as a Water Ballast Tank. The Stringer Plate and the Sheerstrake have been doubled in accordance with the Society's requirements to 1/2 L Amidships. 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 Entry Fees. 25.00 : Dec. 5 1919. Special Survey Fee. 844.00 : Received by me, 17/12/19. Travelling Expenses, if any 45.00 : Certificate to be sent to Date of issue 13.1.20. State whether the Vessel has been built under Special Survey Yes. I am of opinion this Vessel should be Classed *100 A.I. Without Freeboard, as condition of Class Yes. Committee's Minute New York DEC 16 1919. Character assigned notes: ArcP + 100A1 + LmC 1219 Fitted for oil fuel 1219 38 above 150° F. S.O. 24/1/20 EFL. © 2019 Lloyd's Register Foundation.

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 43.75 ft., R.Q.D. 114.75 ft., Bridge 46 ft., Forecastle 46 ft. (in feet and tenths). ~~Was~~ ^{not} 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 should appear in the Register Book) 2 Decks. Steel. 2 Tiers of Beams
Official No. 219269; Signal Letters L T S Q 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 Cellular

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>135.0</u>	<u>372.5</u>	Fore peak tank,	<u>22.5</u>	<u>132</u>
Double bottom, under Engines and Boilers,	<u>45.0</u>	<u>188.0</u>	After peak tank,	<u>16.0</u>	<u>143</u>
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	<u>29.25</u>	<u>745</u>
Double bottom, forward,	<u>175.0</u>	<u>578.4</u>	Other tanks, if fitted, <u>Settling Tank</u>	<u>6.75</u>	<u>83</u>
Total capacity of double bottom	<u>1138.9</u>		(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks. 355 State whether the above have been tested as required by the Rules Yes

Order for Special Survey No. 93 1919. September 2, 4, 8, 11, 13, 15, 17, 19, 22, 24, 26, 30. October 4, 6, 10, 14, 15, 18, 21, 22, 24, 26, 29, 30. November 1, 4, 5, 12, 15, 19, 22, 29.

Date August 23, 1919
No. 33 in builder's yard.

DATES of Surveys held while building

Surveyor's Signature



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Total No. of Visits 34 PER