

With or Without
Disconnected Erections.

REC'D NEW YORK SEP 14-1920
STEEL STEAMER.

Received at London Office

Date of completion of report August 26th 1920 Port of Seattle Wash. No. 992
Survey held at Tacoma Wash. Date, First Survey July 9th 1920 Last Survey August 20th 1920

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

TONNAGE under 4274.18
Tonnage Deck

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

Total under Upper Dk. 149.30

Do. of Pop. 15.80

Do. of Bridge House 14.25

Do. of Forecastle 64.37

Do. of Houses on Dk. 141.40

Do. of excess of Hatchways 59.85

Do. above Crown of Fair 33.11

Engine Room 4752.27

Gross Tonnage 172.25

Less Crew Space

Less above Crown of Engine Room 1520.73

Less Navigation Spaces 24.98

Anchor Gear & B. Stores 39.98

Register Tonnage as cut on Beam 2989

CLASS 100 A1

FEET.

Master

H. G. Lawson

Year of appointment

(1) As Master in service of owner of present vessel: 1920
(2) As Master of this vessel: 1920

Built at

Tacoma Wash

When built

1920

Launched June 20th 1920

By whom built

Todd Dry Dock & Repair Corp.

Owners

Todd Dry Dock & Repair Corp.

Managers

Wm. Diamond & Co.

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

Residence

310 Sansome Street

S. Francisco

Port belonging to

Tacoma

Destined Voyage Orient East Coast If Surveyed while Building, Afloat, and 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.	No. of Decks with flat laid
380	6	53	0	Do.	do.	29	0	15	2
Moulded depth, ft. 37 ins. 1 To Bridge Dk. Round of Upper Dk. Beam, Actual									
Moulded depth, ft. 29 ins. 4 To Upper Dk. Dk. Beam, Actual									


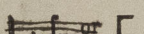
Dimensions of Ship per Register, Length 380.3 breadth 53.1 depth 24.0

FRAMING.						PILLARS.					
FRAME, Angles, or [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.,					
" " " " " " " " " " " "						" " in Hold					
Spacing of Frames from centre to centre amidships						KEELSONS & STRINGERS.					
" " " " " " " " " " " "						CENTRE LINE KEELSON, Vertical Plates above					
" " " " " " " " " " " "						floors, Through Plate, or Intercostal Plate					
" " " " " " " " " " " "						Rider Plate					
" " " " " " " " " " " "						Flat Plate Keel Angles					
" " " " " " " " " " " "						Horizontal Plates on Floors					
" " " " " " " " " " " "						Angles or Bulb Angles					
" " " " " " " " " " " "						SIDE KEELSONS, Number					
" " " " " " " " " " " "						Angles or Bulb Angles					
" " " " " " " " " " " "						Plate above floors, for length					
" " " " " " " " " " " "						Intercostal Plate, for length					
" " " " " " " " " " " "						Attached to outside Plating with Angle					
" " " " " " " " " " " "						BILGE KEELSON, Angles					
" " " " " " " " " " " "						Intercostal Plate, for length					
" " " " " " " " " " " "						Attached to outside Plating with Angle					
" " " " " " " " " " " "						SIDE STRINGERS, Number					
" " " " " " " " " " " "						Angle					
" " " " " " " " " " " "						Intercostal Plate, for length					
" " " " " " " " " " " "						Attached to outside plating with Angle					
Upper Deck Stringer Plate, br'dth & thickness						57 x .60					
(clear of Bridge)						57 x .44					
br'dth & thickness						6 x 6 x .60					
(in way of Bridge)						Angle (clear of Bridge)					
Tie Plate at sides of Hatchways						.42 - 34					
Deck * Steel, for full lng.						.42					
Thickness (clear of Bridge) 1/2"						.36					
(in way of Bridge)						Wood Deck, Material & thickness					
Second Deck Stringer Plate, br'dth & thickness						71 x .34					
Angles on ditto, No. one						3 1/2 x 3 1/2					
Tie Plates outside Hatchways						3 1/2 x 3 1/2					
Deck * Steel, for full lng.						.34					
Wood Deck, Material & thickness						Third Deck Stringer Plate, br'dth & thickness					
Angles on ditto, No.						Angles on ditto, No.					
Tie Plates outside Hatchways						Deck * Material and thickness					
Fourth and Fifth Deck Stringer Plate, br'dth & thickness						Angles on ditto, No.					
Angles on ditto, No.						Tie Plates outside Hatchways					
Deck, Material & thickness						Poop Deck Stringer Plate, breadth & thickness					
Angles on ditto						64 x .30					
Tie Plates						3 1/2 x 3 1/2					
Deck, Material and thickness						Steel .30					
Bridge Deck Stringer Plate, br'dth & thickness						53 x .54					
Angles on ditto						6 x 6 .50					
Tie Plates						Steel .38					
Deck, Material and thickness						Forecastle Deck Stringer Plate, br'dth & th'kns					
Angles on ditto						34 x .34					
Tie Plates						3 1/2 x 3 1/2					
Deck, Material and thickness						Steel .30					
Wood Sheathed D. 3/4"						5 x 2 3/4					

EQUIPMENT No. 32534				LETTER Y.				ANCHORS.				TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS											
Number of Certificate.		Anchors.		WEIGHT, EL STOCK		WEIGHT OF STOCK		TEST, PER CERTIFICATE		WEIGHT REQUIRED BY TABLE 31		Description of Anchor		Makers.		Where and when tested and Superintendent.							
22351		1st Bower		17000 lbs.		17000 lbs.		11440 lbs.		60 0 0		Balds		Balds Anchor		Chester Pa. 15-11-1918							
22353		2nd "		6980 lbs.		6980 lbs.		11440 lbs.		60 0 0		"		"		" " " "							
22344		3rd "		5660 lbs.		5660 lbs.		11440 lbs.		50 2 0		"		"		" " " "							
		4th "		196140 lbs.		196140 lbs.		11440 lbs.		50 2 0		"		"		" " " "							
		Collective weight.		175 1 12		175 1 12		22 3 3		140 2 0						N.A. Mackenzie							
22354		Stream		24254 lbs.		24254 lbs.		49400 lbs.		20 1 7		"		"		Chester Pa. 15-11-1918							
21345		Kedge		8 3 20		8 3 20		24220 lbs.		8 3 0		"		"		" " " " 16-7-18							
Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.				1st Bower		Note—All anchors & cables are tested to the American Bureau. The drop certificate issued states that the anchors are of the North Steel Castings, & subjected to the hammered, dropped and bend tests. (Surveyor's initials J.K.H.)																	
				2nd "																			
				3rd "																			
				4th "																			
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 Superintendent.		Material.		Length and Size supplied.		Breaking Test of Steel Wire Towline.		Length and Size per Table 31.	
30259 B		60 2 3/4		16060		16060		240 2 3/4		shd American		Columbus 0.7/11/20		TOWLINE SH		120 4 3/4		120 4 3/4		120 4 3/4		120 4 3/4	
30361		210 "		60857		60857		240 2 3/4		shd American		" "		" "		HAWSEARS & WARPS		2-90 8		2-90 8		2-90 8	
Total		240 "		60857		60857		240 2 3/4		shd American		" "		" "		HAWSEARS & WARPS		2-90 8		2-90 8		2-90 8	
Less Stream Chain or Steel Wire		90 4 3/4		60857		60857		240 2 3/4		shd American		" "		" "		HAWSEARS & WARPS		2-90 8		2-90 8		2-90 8	
Boats 2-26 ft + 4-24 ft life boats.				Steering Gear, Steam efficient				Steering Gear, Hand efficient				State whether they are in efficient working order				yes							
Pumps, Number one double acting (Rumsey Patent)				Diameter of Barrel 5" x 8"				Capstan nil															
Windlass is efficient screw																							
Engine Room Skylights.—How constructed? steel plates & angles				What arrangements for deadlights in bad weather? tarpaulins & battens.				Height above deck? 18"															
Coal Bunker Openings.—How constructed? steel plates & angles				How are lids secured? tarpaulins & battens																			
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c.				light scuppers & light freeing ports on each side 3/4"																			
Ceiling in Holds, thickness and material 2 1/2" laid on 2" battens.				Cargo Battens, thickness and material 2" D. Lin																			
Cargo Hatchways.—How formed? steel plates & angles				Hatches, If strong and efficient? yes																			
State size No. 1 Hatch (Forward) 30'0" x 21'0" x 36"				No. 2 Hatch 33'0" x 21'0" x 36"				No. 3 Hatch 12'0" x 21'0" x 18"				No. 4 Hatch 33'0" x 21'0" x 36"											
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch				Five to No. 1-2-4-5 hatchways and two of No. 3 hatchway																			
Plate 21' x 36" double angles 7 x 8. 5 x 3 1/2 x 4 1/2.				No. of Breasthooks 13				No. of Crutches 1															
Bulwarks, height above deck and description 3'6" x 3 1/2" bulb angle stays 7 x 3 1/2 x 7 1/2				Main Rail, material and size Bulb angle 7 x 3 1/2 x 4 1/2																			
The foregoing is a correct description.				Surveyor's Signature W.P. Fallings				Surveyor to Lloyd's Register of Shipping.															
Builder's Signature (three only) Todd Dry Dock & Const. Corp.																							
Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) NY Feb. 11 th 1920.																							
Feb. 19 th 20 th May 4 th 7 th 18 th 21 st 1920																							
Workmanship. Are the butts of plating planed or otherwise fitted? yes																							
Is the riveted work properly closed? yes																							
Are the liners between the frames and plates solid single pieces? yes																							
to plate, &c., conform well to each other? yes																							
from the faying surfaces? yes																							
Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well and sufficiently countersunk in the plate and punched from the faying surfaces? yes																							
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																							
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? yes																							
General Remarks (State quality of workmanship, &c.) Workmanship is good																							
This vessel has been built in accordance with the app'd plans, the Secretary's letters of the above dates and in general conformity to the rules for the class contemplated.																							
Copy of the approved midship section & profile plan are herewith attached for filing with the report.																							

007714-007721-03512/3

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. Spacing.		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.	Ins.	Ins.												
Framing of 																									
Frames in Bridge 'tween Decks...		6	3.5	35	✓	✓	✓	6	3.5	35	✓	✓	✓	7/8	5 1/4	4 3/8 for 10 Rivets each side	5	7/8							
Frames from Uppermost Continuous Deck		No. 1	"	"	"	6	3.5	35	"	"	"	6	3.5	35	"	"	"	"							
Framing from Awning, Shelter or Upper Deck to Margin Plate.		" 2	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"							
		" 3	7	3.35	35	✓	✓	✓	7	3.35	35	✓	✓	✓	7	3.35	35	6							
		" 4	7	3.5	42	✓	✓	✓	7	3.5	42	✓	✓	✓	7	3.4	43.8	7							
		" 5	10	3 3/8	37.5	✓	✓	✓	10	3 3/8	37.5	✓	✓	✓	10	3 3/8	37.5	"							
		" 6	"	"	"	"	"	"	"	"	"	"	"	"	"	"	3 1/2	"							
		" 7	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	8							
		" 8	10	3.5	50	✓	✓	✓	10	3.5	50	✓	✓	✓	10	3.5	50	"							
		" 9	7	3.5	35	✓	"	"	7	3.5	35	✓	3.5	35	"	"	4	6							
		" 10	"	"	"	"	"	"	"	"	"	"	"	"	"	"	4	"							
		" 11	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"							
" 12																									
" 13																									
" 14																									
" 15																									
" 16																									
Spacing of Longitudinal Frames		Amidships			Between 33' and 30'			Belges 24 1/2'																	
		At Ends			24'			18'																	
Double Bottoms		Tank Top Longitudinals			7			3.5			40			7/8			5 1/4			4 3/8 for 4 Rivets each side					
		Bottom			7			3.5			45			7			3.5			45			3 1/2		
Spacing of Longitudinals		Amidships			30			✓			30														
		At Ends			20 and 16						20 and 16														
Transverses.															Rivets in Lugs to Shell Diam. Spacing.										
In Bridge		Depth and Thickness			15 x 38			✓			15 x 38						Bracket (top) 38 flanged 3 1/2"								
'tween Decks		Face Angles			4 6 40			✓			4 6 40						(Bot) 31 x 21 x 38								
		Lugs to Shell			3 1/2 3 1/2 38			✓			3 1/2 3 1/2 38						7/8 4 Single								
In Awning, Shelter or Upper 'tween Decks.		Depth and Thickness			18 x 38			18 x 38			18 x 38			18 x 38			Bracket (top) 40 flanged 3 1/2"								
		Face Angles			4 6 50			4 6 50			4 6 50			4 6 50			(Bot) 33 x 24 x 40 flanged 3 1/2"								
		Lugs to Shell			3 1/2 3 1/2 40			3 1/2 3 1/2 40			3 1/2 3 1/2 40			3 1/2 3 1/2 40			7/8 4 Single								
In Hold.		Depth and Thickness			24 x 50			25 1/2 x 51			58			24 x 50			25 1/2 x 51			Bracket (top) 44 flanged 5"					
		Face Angles			4 6 84			4 6 84			4 6 84			4 6 84			4 6 84								
		Lugs to Shell			6 6 46			6 6 46			6 6 46			6 6 46			6 6 46			7/8 4 Double for 3 rivets 1/2" 2" 3" 4" 5"					
		Brackets			44			44			44			44			44								
Spacing of Transverse Frames		12 ft - 10 ft 8 ft. from 3/5 length to Cell bld.			12 ft - 10 ft 8 ft. from 3/5 length to Cell bld.																				
* State if joggled or liners.																									
Longitudinal Beams of 		Bridge Deck			6			3.5			35			✓			✓			Spacing 38 x 42					
		Avg. or Shldr. Dk.			-			-			-			-			-			Transverse 12 x 38 8 10 x 3 1/2					
		Upper			6			3.5			35			6			3.5			35			38 x 42		
		Second			7			3.5			40			7			3.5			40			42 x 48		
		Third			-			-			-			-			-			-			12 x 38 8 4 x 6		
																							13 x 40 4 10 x 3 1/2		
																							11 x 38 8 4 x 6		
																							15 x 40 8 10 x 3 1/2		
																							12 1/2 x 38 8 4 x 6		
																							x 44 15		
																							x 50 15		
																							x 65 15		
																							x 50 15		
																							x 50 15		

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, 3, 17.—T.

007714-007721-0351 3/3

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 38' 25", R.Q.D. ✓ ft., Bridge 102' 25", Forecastle 41' 7" (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 and should appear in the Register Book) 2 Dks. (Stb) ✓

Official No. 220501 ; Signal Letters M.B.H.K.

State if Machinery is fitted aft installed amidships

How are the surfaces preserved from oxidation? Inside paint

Outside paint

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

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	120'-0"	304	Fore peak tank,	19'-2 1/2"	91.0
Double bottom, under Engines and Boilers,	41'-8"	203	After peak tank,	26'-0"	318.0
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, (oil)	24'-0"	66.6
Double bottom, forward,	166'-0"	562	Other tanks, if fitted, settling (oil)	5.42'-0"	155.5
	Total capacity of double bottom	1069	(If necessary, furnish further information by sketch.)	P. 24'-0"	

* 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. 203

Date Feb 10 1920

No. 33 in builder's yard.

DATES OF SURVEYS held while building

1920, Feb. 9. 18. 20. 27. Inch 2. 8. 14. 31. Apr 6. 8. 14. 20. 22. 24. May 4. 7. 12. 17. 22. 26. 28. June. 3. 8. 11. 15. 17. 22. 28. 29. July 1. 7. 8. 13. 16. 20. 21. 26. 28. 30. Aug 6. 12. 14. 18. 19. 20.

Total No. of Visits 45

Surveyor's Signature

W. R. Fallis's Register Foundation

GENERAL REMARKS

The following damage repairs have been effected during construction:-viz.

(1st) Damage stated to have been sustained through an iron bucket having fallen on to the tank top in No. 2 Hold. on the 19th May 1920.

One centre line tank top renewed, one adjacent tank top plate renewed. One tank top channel longitudinal and the top angles to one transverse in double bottom between long^s renewed. The top angles to the Centre girder faired in place, and the No. 2 D.B. tank. on completion of repairs examined under water pressure.

(2nd) Damage stated to have been sustained through striking the Pier at Pratts Dock, Tacoma, whilst proceeding from the Builders yard to the loading Berth on 16th day of August 1920.

On the Port side in way of No. 1 Hold:-

H-strake. No. 3 shell plate from stem removed faired refitted &c. and No. 4 " " faired in place.

G-Strake - The stem plate and No. 3 shell plate faired in place &c. The double shell angles to transverse No. 13 between longitudinal in way of. H No. 4 removed faired and refitted &c.

One length of the 17th long^s in way of the above faired in place. Spar ceiling removed and refitted in way. The repairs repainted and on completion hose tested & found satisfactory.

W.P. Collins

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 38.25 ft., R.Q.D. ✓ ft., Bridge 102.25 ft., Forecastle 41.7 (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 should appear in the Register Book) 2 Dks. (Stl) ✓

Official No. 220501 ; Signal Letters M.B.H.K.

State if Machinery is fitted aft installed amidships

How are the surfaces preserved from oxidation? Inside paint

Outside paint

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	120'-0"	304	Fore peak tank,	19'-2 1/2"	91.6
Double bottom, under Engines and Boilers,	41'-8"	203	After peak tank,	26'-0"	318.6
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, (oil)	24'-0"	66.6
Double bottom, forward,	166'-0"	562	Other tanks, if fitted, settling (oil)	5.42'-0"	155.5
Total capacity of double bottom		1069	(If necessary, furnish further information by sketch.)	P. 24'-0"	

* 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. 203

Date Feb 10 1920

No. 33 in builder's yard.

DATES OF SURVEYS held while building

1920. Feb 9. 18. 20. 27. Mch 2. 8. 14. 31. Apl 6. 8. 14. 20. 22. 24. May 4. 7. 12. 17. 22. 26. 28. June 3. 8. 11. 15. 17. 22. 28. 29. July 1. 7. 8. 13. 16. 20. 21. 26. 28. 30. Aug 6. 12. 14. 18. 19. 20.

Surveyor's Signature

W.P. Collins

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Total No. of Visits 45

Lloyd's Register Foundation