

Awning or Shelter Deck, STEEL STEAMER.

624
No. 24

Port of Portland, Ore. Date of completion of Report March 5, 1921 Received at London Office WED 6 APR 1921
Survey held at Portland, Oregon Date, First Survey July 24, 1920 Last Survey February 26, 1921.

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

TONNAGE under Tonnage Deck... 6016.22

CLASS 100 A.1.

Do. between Tonnage Dk. and 3rd, 4th, or Awning Dk. 1763.20

Breadth (greatest moulded) 60.00

Master A. A. Sawyer

Total under Upper Dk. Poop

Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 36.25

Year of Appointment (1) As Master in service of owner of present vessel: 1921 (2) As Master of this vessel: 1921

Bridge House

Deduct height of 'tween deck when this does not exceed 8ft. 7.00

Built at Portland, Oregon

Forecastle Houses on Deck 232.00

Transverse Number 89.25

When built 1921 Launched Feb. 5 '21.

Access of Hatchways 12.24

Length on deck from fore part of stem to after part of sternpost 465.58

By whom built Northwest Bridge & Iron Co.

Room 182.95

Longitudinal Number 41553

Owners Swiftsure Oil Transport Co.

Tonnage in Space 8206.61

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

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

Space Crown of Room 358.07

Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel 12.84

Residence

FOR FEES... Fine Room 2646.64

Upper Deck at side to top of keel 15.91

Port belonging to New York

Navigation Spaces 110.20

Destined Voyage San Francisco

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

Net Tonnage in Beam... 5091.70

DEPTH ON		BREADTH		DEPTH, ACTUAL		No. of Decks with flat laid		No. of Tiers of Beams	
per Rule	per Rule	Moulded	Moulded	Top of Floors to top of Awn. or Shelter Dk. Beams	do.	Upper Deck Beams	do.	Upper Deck Beams	do.
465	7	60	0	36	36	29	3	3	3
Length 464.45		breadth 60.2		depth 27.75		Upper Deck Moulded depth, ft. 29 ins. 3		To Upper Dk.	
FRAMING.		PILLARS.		KEELSONS AND STRINGERS.		Awning or Shelter Dk.		Round up of Uppermost Dk. Beam, Actual	
E. Angles, or C or L Bars, amidships		PILLARS, In 'tween Deck, size and spacing		CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate		Moulded depth, ft. 36 ins. 3		12 ins.	
in peaks		" Hold		" Rider Plate		To Awning or Shelter Dk.			
in way of Double Bottoms at Solid Floors		" Quarter, 'tween Dks., "		" Flat Keel Plate Angles					
" " at intermdt. Bkts.		" " in Hold		" Horizontal Plates on Floors					
of Frames from centre to centre amidships				" Angles or Bulb Angles					
length to collision bulkhead from 3/8"				SIDE KEELSONS, Number					
of Frames from centre to centre in peaks				Angles or Bulb Angles					
USED FRAME, Angles, in Peaks				Plate above floors, for length					
in way of Double bottoms at Solid Floors				" Intercostal Plate, for length					
" " at intermdt. Bkts.				" Attached to outside plating with Angle					
of Frames from centre to centre amidships				BILGE KEELSON, Angles					
length to collision bulkhead from 3/8"				" Intercostal Plate, for length					
of Frames from centre to centre in peaks				" Attached to outside plating with Angle					
USED FRAME, Angles, in Peaks				SIDE STRINGERS, Number					
in way of Double bottoms at Solid Floors				Angle					
" " at intermdt. Bkts.				" Intercostal Plate, for lng.					
of Frames from centre to centre amidships				Attached to outside plating with Angle					
length to collision bulkhead from 3/8"				Awning or Shelter Deck Stringer Plates, breadth and thickness					
of Frames from centre to centre in peaks				" Angle on ditto					
USED FRAME, Angles, in Peaks				Tie Plates, fore and aft, outside Hatchways					
in way of Double bottoms at Solid Floors				Deck * Iron or Steel, for Whole lng.					
" " at intermdt. Bkts.				" Wood Deck: Material & thickness					
of Frames from centre to centre amidships				Upper Deck Stringer Plate, breadth and thickness					
length to collision bulkhead from 3/8"				" Angles on ditto, No. One					
of Frames from centre to centre in peaks				" Tie Plates, outside Hatchways					
USED FRAME, Angles, in Peaks				Deck * Iron or Steel, for Whole lng.					
in way of Engine and Boiler spaces				" Wood Deck: Material & thickness					
thickness at the ends of vessel				Second Deck Stringer Plates, br'dth & thickn's					
depth at 3/4 the half-bdth. as per Rule				" Angles on ditto, No. One					
height extended at the Bilges				" Tie Plates, outside Hatchways					
S, in Cell Double Bottoms, B & B Space				Deck * Material and thickness					
state if flanged (top and bottom)				Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness					
spacing of Solid				" Angles on ditto, No.					
GIRDER, in Dbl bottom, depth & thickness				" Tie Plates, outside Hatchways					
" Angles, Top				Deck * Material and thickness					
" " Bottom				Poop Deck Stringer Plate, breadth & thickness					
Thickness to Floors				" Angles on ditto					
Brackets at intermdt. frngs, with & without				" Tie Plates					
RDERS, number and thickness				Deck * Material and thickness					
state if flanged (top & bottom)				Bridge Deck Stringer Plate, br'dth & thickness					
Angles				" Angle on ditto					
PLATE, depth (exclusive of flange) and thickness				" Tie Plates					
Angles to outside plating				" Deck, Material and thickness					
" to floors				Forecastle Deck Stringer Plate, br'dth & th'kns					
Brackets at intermdt. frngs, with & without				" Angle on ditto					
Height of Brackets above at bilge				" Tie Plates					
BOTTOM PLATING, breadth and thickness of Middle Line Strake				" Deck, Material and thickness					
" thickness in Engine and Boiler space				" Angles on ditto					
" Remainder in Holds				" Tie Plates					
Awng or Shltr Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel				" Deck, Material and thickness					
" " " "				" Angles on ditto					
Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel				" Tie Plates					
" " " "				" Deck, Material and thickness					
Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel				" Angles on ditto					
" " " "				" Tie Plates					
Angles on upper edge				" Deck, Material and thickness					
Spacing				" Angles on ditto					
S, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel				" Tie Plates					
" " " "				" Deck, Material and thickness					
Angles on upper edge				" Angles on ditto					
Spacing				" Tie Plates					
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel				" Deck, Material and thickness					
" " " "				" Angles on ditto					
Angles on upper edge				" Tie Plates					
Spacing				" Deck, Material and thickness					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel				" Angles on ditto					
" " " "				" Tie Plates					
Angles on upper edge				" Deck, Material and thickness					
Spacing				" Angles on ditto					
" " " "				" Tie Plates					
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Angles on upper edge				" Deck, Material and thickness					
Spacing				" Angles on ditto					
" " " "									

WEB FRAMES.				FORGINGS or CASTINGS.			
Inches in Ship.		Inches per Rule, Or as Approved.		Inches in Ship.		Inches per Rule, Or as Approved.	
WEB-FRAMES, In Fore Body, No. and spacing brth. & thickness No. of Side Stringers				KEEL, Bar, depth and thickness			
2036"x.44		2036"x.44		11x2-7/8		11x2-7/8	
WEB-FRAMES, In E. & B. Space, No. & spacing brth. & thickness				STEM, moulding and thickness			
WEB-FRAMES, In After Body, No. and spacing brth. & thickness No. of Side Stringers				STERN-POST for Rudder do. do. for Propeller			
BRACKET PLATES to Stringers between Web Frames, depth and thickness				RUDDER-A x D* Table 22. Speed Main-Piece, diameter at head at heel			
BULKHEADS. Number, Thickness, STIFFENERS. Single or Double Frames, Height up, state deck.				RUDDER, how constructed Thickness of Plates or Single Plate			
W.T. BULKHEADS O.T. Do. Main				Can the Rudder be unshipped astoa? Yes			
COLLISION PARTITION LONGITUDINAL				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. United States Steel Corporation Pacific Coast Steel Company			
Are the outside Plates doubled two spaces of Frames in length				Has the Steel been tested as required by the Rules? Yes			

STRAKES	AS IN SHIP.				PER RULE OR AS APPROVED.				EDGES Ordinary or Joggled?										
	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Ordinary		Butts.								
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to or.	RIVETS. Diam.	Spacing or to or.	STRAPS. Breadth.	Thickness.	IF LAPPED. Breadth.	For what Length.	
FLAT PLATE KEEL	49	1.06	.82	.74	49	1.06	Dble	6 1/2	1-1/8	4	21 1/2	1 1/2	4	21 1/2	1 1/2	4	21 1/2	1 1/2	4
GARBOARD OF A STRAKE	82	.66	.66	.50	82	.66	AtoB	5 1/2	7/8	3-1/8	Quad	7/8	3-1/8	-	-	-	-	-	-
B	84	.66	.66	.54	84	.66	"	"	"	"	"	"	"	"	"	"	"	"	"
C	78 1/2	.66	.66	.58	78 1/2	.66	"	"	"	"	"	"	"	"	"	"	"	"	"
D	76	.66	.66	.62	76	.66	"	"	"	"	"	"	"	"	"	"	"	"	"
E	85	.66	.48	.50	85	.66	Tr.	7-7/8	"	"	"	"	"	"	"	"	"	"	"
F	68	.66	.48	.50	68	.66	"	"	"	"	"	"	"	"	"	"	"	"	"
G	68	.66	.54	.50	68	.66	"	"	"	"	"	"	"	"	"	"	"	"	"
H	68	.66	.48	.46	68	.66	Dble	5 1/2	"	"	"	"	"	"	"	"	"	"	"
J	55	.66	.48	.46	55	.66	"	"	"	"	"	"	"	"	"	"	"	"	"
K	69	.66	.48	.46	69	.66	"	"	"	"	"	"	"	"	"	"	"	"	"
L	56	.78	.48	.46	56	.78	"	"	"	"	"	"	"	"	"	"	"	"	"
M	51	.92	.48	.46	51	.92	"	"	"	"	"	"	"	"	"	"	"	"	"
N																			
O																			
P																			
Q																			
R																			
S																			
T																			
U																			
V																			
W																			

Awning or Shelter Deck	Butts, 4 riveted for Half length amidship.	Butts of Side Stringers	riveted.
Stringer Plate	Straps, single or overlapped for Whole length amidship.	Tie Plates	riveted.
Upper Deck	Butts, 3 riveted for Whole length amidship.	Inner Bottom Plating, riveting of Edges	Double Butts Double
Stringer Plate	Straps, single or overlapped for Whole length amidship.	Centre Girder Butts, Treble riveted.	Keelson Butts, riveted.
		Frames, riveted through Plates with 7/8 in. Rivets, about 5 1/2" apart.	
		Rivets, state whether Iron or Steel	Steel

MASTS, SPARS, &c.										
LOWER MASTS	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.
			At Partners.	Hd.	Horns.	Head.		Number.	Size.	
Fore	Steel	53'-0"	23	8.44	21 1/2	44	21 1/2	38	2	S. R. 2 1/2" R. Straps 3/4"
Main	"	57'-0"								
Mizen										
Bowsprit										
Topmasts, Yards and Remains of spars	Fore & Main Wood 27'-0" above Steel Masts.									
Rigging, Material and Size, Shrouds	Stays.									
Sails.	Sails, and the following spare sails.									

EQUIPMENT No.	LETTER	ANCHORS.	
		Number of Certificate.	Weight, Ex. Stock
10911	1st Bower	88	2 18
10896	2nd "	87	3 2
9859	3rd "	73	2 18
10899	Stream	32	2 10
10915	Kedge Stock	14	0 2

Particulars of Drop Test of Cast Steel Anchors, viz.:- Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower		2nd "		3rd "	
	Wt.	Qrs.	Wt.	Qrs.	Wt.	Qrs.
	86	2	87	3	73	2
	18	18	18	18	18	18
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.

Number of Certificate.	Length and size supplied.	TEST PER CERTIFICATE.	WEIGHT REQ. BY TABLE 31.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
			Wt.	Qrs.			
2484	300 2-7/8	106 9 1/4	22	89	Stud American Columbus 7:2; 20 Frank Link Chain Co. Stabler	American Steel Foundries	Phl. 19:8:20 W.S. " 18:8:20 Mohab " 23:7:20 "
	120 5	75	120	5		Do.	" 12:8:20 " " 23:8:20 "

Boats		Lifeboats		24'-0" & 1 Dinghy		Steering Gear, Steam		Wilson Pirrie Steering Gear, Hand		Cunningham	
Pumps, Number 2.		5x5 1/2"		Ford Pump Room & E.R.		Diameter of Barrel		State whether they are in efficient working order		Yes	
Windlass is		Cunningham		Capstan		What arrangements for deadlights in bad weather?					
Engine Room Skylights.		How constructed?		Steel Plates		How are lids secured?		Height above deck?			
Coal Bunker Openings.		How constructed?				Number of Scuppers, and number and dimensions of Freeing Ports, &c.		7 P. & S.			
Ceiling in Holds, thickness and material		In Fore Hold		2 1/2" Douglas Fir		Cargo Batts, thickness and material		"Tween Dks. & Forehold 6"		x2"	
Cargo Hatchways.		How formed?		Steel Coamings 30" high, Coamings .44		Hatches, If strong and efficient?		Yes			
State size No. 1 Hatch		Forward 16'-8"x18'-0"		No. 2 Hatch 18'-8"x18'-0"		No. 3 Hatch 9'-4"x18'-0"		No. 4 Hatch 18'-8"x18'-0"			
Number of Web Plates, Shoring, etc.		to each Hatch		Nos. 1 & 2 one Web with Steel Cover to Hatch, No. 3 one Web, Nos. 4, 5 & 6 three Webs.		No. of Breasthooks		3		No. of Crutches	
Bulwarks, height above deck and description		Main Rail and Stays, material and size				The foregoing is a correct description.		Northwest Bridge Iron Co. Surveyor's Signature		Walker Lang	
Builder's Signature (here only)										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)
 " 17 (2) October 4, 11, November 15, December 6, 1920.

Workmanship. Are the butts of plating planed or otherwise fitted? Planed
 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? very 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 satisfactory
 Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests satisfactory
 General Remarks (State quality of workmanship, &c.) This Vessel is a sistership of the S.S. "SWIFTARROW", Report No. 618 built by the Northwest Bridge & Iron Company. She is constructed to carry Oil in Bulk on the Longitudinal System of Framing with Engines and Boilers Aft and is in accordance with the approved plans; the materials are good and the workmanship in all respects to my satisfaction.

The Double Bottom under the Engines & Boilers, Fore & After Peaks are constructed to carry water. The Deep Tank forward, which has been constructed in accordance with the approved plan, and Fuel Oil Tank forward of Boiler Room have been constructed to carry Oil Fuel. These Tanks along with all Cargo Tanks have been tested in accordance with the Rules.

Notations: Fitted for Oil Fuel P.P. above 150° F. The Bilges Aft have been cemented.
 3 Bulkheads including Fore Peak to Shelter Deck. 9 Bulkheads to Upper Deck. 5 to Main Deck.

The Surveyor should state the Number of Report and Name of any Sister Vessel.
 Plans to be forwarded with P.E. Report showing vessel as built.

The amount of Entry Fee \$ 55.00 : Fees applied for, Mar. 3 1921
 Special Survey Fee.... \$3032.00 : Received by me, 22/3/21
 Travelling Expenses, if any \$ 60.00 :
 State whether the Vessel has been built under Special Survey Yes
 I am of opinion this Vessel should be Classed +100 A.L. Shelter Deck
 With, or without Freeboard, as condition of Class Yes
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute New York MAR 15 1921
 Character assigned
 nck - Arcp
 Sph. ct
 Mch. aft
 Long. Framg
 Elec. at
 30.
 Shell. 24" w/ft
 Carr. pet. in bulk
 + Lmc. 221
 Fitted for oil fuel 221
 3 P. abas 150° F



PARTICULARS OF LONGITUDINAL FRAMING.

Table with columns: GEN., FRAMING., AMIDSHIPS., ENDS., RIVETING. Includes sub-sections for Framing of L, L or C, Transverses, and Longitudinal Beams of L, L or C.

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.

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 should appear in the Register Book) Two Steel Decks & Shelter Deck - Three Tiers of Beams. Official No. 221071; Signal Letters M Z L K. State if Machinery is fitted aft Yes. 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

Table with columns: Where Fitted., Length., Water Capacity. Rows include Double bottom, aft, Double bottom, under Engines and Boilers, etc.

Order for Special Survey No. 108 Date July 7, 1920 No. 42 in builder's yard. DATES of Surveys held while building July 24, 26, 29, 31, Aug. 3, 6, 9, 12, 14, 17, 20, 23, 26, 30, 31, Sept. 2, 3, 7, 10, 14, 17, 23, 27, 30, Oct. 3, 6, 8, 11, 14, 18, 22, 25, 27, Nov. 2, 5, 8, 10, 13, 15, 17, 23, 24, 27, 30, Dec. 2, 4, 6, 9, 11, 13, 15, 17, 24, 30, Jan. 5, 8, 12, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 28, 29, 31, Feb. 1, 3, 4, 5, 7, 12, 18, 24, 25, 26.

Surveyor's Signature

