

STEEL STEAMER or MOTORSHIP.

14 JUN 1948

Received at London Office.

State if Report has been sent on the Freeboard of the Vessel noState if Report is sent on the Machinery of the Vessel Yes (part)Date of completion of report 3rd May 1948Port of New YorkNo. 48H18Survey held at New YorkDate First Survey 25th MarchLast Survey 9th April

1948

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Single screw steamer "Empire Consequence"State Type (Full scantling, Complete Superstructure with or without Tonnage Openings) Full scantlingState Type of Erections Poop comb. Bridge and Forecastle.TONNAGE under
Tonnage Deck....CLASS 100 A1
(Contemplated)State if with freeboard
as condition of Class noBuilt at HubeckDo. of space or spaces
between Tonnage Dk.
and Upper Dk.Length from fore part of stem to after part of stern
post on summer L.W.L. See Sec. 3 (1a) 290.6Launched in 1940Yard No. 396

Total

Breadth (greatest moulded) 43.3Builders Hubecker Maschinenbau GesellschaftGross Tonnage 2880Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c) 17.66Owners Alaska Transportation CoRegister Tonnage 19191st Longitudinal Number (L x D) 5132Managers
(Where necessary to be entered in Reg. Book.)REGISTERED DIMENSIONS.
FEET.2nd Numeral L x (P + D) 17715Residence ✓

Length

Framing Depth "d," at middle of length. See
Sec. 3 (1d) 14.8Port of Registry Sacoma - Washington

Breadth

Proportions—Depth to Length — Uppermost con-
tinuous deck to top of keel 16.5

If surveyed while building, afloat, or in dry dock

Depth

Do. Long Bridge to top
of keel 11.5Both.

Draught Moulded

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
FRAMES, Spacing <u>between Peak Bldgs.</u>	27.5	✓			Bracket Floors, Frame <u>B.A.</u>	7.1	3.0	33	✓
" " from $\frac{3}{8}$ length amidships to Collision bulkhead.....	✓				" " Reversed Frame	7.1	3.0	32	39 B.R.
" " in peaks	23.6	✓			" " Vertical Struts	✓			
SIDE FRAMING.					Centre Girder, depth and thickness amidships	33.7	41	35	35 E.R. 49 B.R.
Frame Amidships, Angle <u>E or C</u>	7.9	3	35	Int. frames 7.1 x 3 x 31 B.A.	" " top Angles	3	3	37	47 B.R.
" " Extends up to <u>upper deck</u>	✓				" " bottom Angles	3.5	3.5	45	✓
Reversed Frame Amidships, Angle.....	✓				Side Girders, No. each side and thickness.....	1	32		39 B.R.
" " Extends up to.....	✓				Margin Plate depth (excl. of flange) and thickness	30	39		39 E.R. 47 B.R.
Depth of Framing Girder.....	7.9	✓			" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	3	3	37	✓
Frames in <u>Uppermost Continuous 'tween</u> Decks, Angle <u>E or C</u>	4.7	3	33		" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area	5.1	5.1	39	✓
" " Second 'tween Decks, Angle, <u>E or C</u>	✓				" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	cont. 13	35		(43 B.R.) scalloped between frames
" " Third " " " "	✓				" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area.....	do	✓		
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem	9	3.5	43	B.A.	Tank Side Brackets, height above base line at toe of Frame and thickness	43.3	37	33	37 E.R. 43 B.R.
" " from 15% to 3rd Bulkhead	9.8	3.5	47	✓	INNER BOTTOM PLATING.				
" " in Peaks, Angle <u>E or C</u>	5.9	3	30	✓	Breadth and thickness of Middle Line Strake.....	72	37	33	37 E.R. 47 B.R.
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4	5 1/4	✓		Thickness of remainder in Holds	35	33		
State if Frame Joggled	No	✓			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	do	✓		as approved.
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	as approved	✓			BEAMS.				
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	as approved	✓			Uppermost Continuous Deck, amidships	9	3.5	43	thru' beams
SINGLE BOTTOM.	✓				" " in Wells, Angle <u>E or C</u>	7	3	33	half "
Floors, Depth and thickness at mid-line in Holds					" " in way of Bridge, Angle, <u>E or C</u>	✓			
Height of Brackets at side above base line at toe of frame					Spacing	on every frame	✓		
Middle Line Keelson, on Floors, Angles, <u>E or C</u>					Second Deck, amidships, Angle, <u>E or C</u>	✓			
" " Through Plate or Intercoastal Plate.....					Spacing				
" " Foundation Plate on Floors					Third Deck, amidships, Angle, <u>E or C</u>	✓			
" " Flat Plate Keel Angles					Spacing				
Side Keelsons, No. each side					Fourth Deck, amidships, Angle, <u>E or C</u>	✓			
" " thickness of Intercoastal Plate....					Spacing				
" " Angles	35	33	every 3rd frame.		Poop Deck, Angle, <u>E or C</u>	5.5	2.6	30	do
DOUBLE BOTTOM.					Spacing	4.5	2.6	28	✓
Solid Floors, thickness and spacing	35 E.R. 43 B.R.	✓	every 3rd frame. Every frame from 3rd 95 Ford under engines. 3rd 21 aft. on all frames under boilers		Bridge Deck, Angle, <u>E or C</u>	on every frame	✓		
" " Are Frame and Reversed Frame joggled?	No	✓			and Spacing	7	3	39	thru' beams
Bracket Floors, breadth and thickness at each side of middle line	26.6	35	43 B.R.		Forecastle Deck, Angle, <u>E or C</u>	5.9	3	33	half "
" " breadth and thickness at margin plate	26.6	35	43 B.R.		Spacing				

[illegible]

SCANTLINGS.				RIVETING.																											
AS IN VESSEL.				EDGES.				BUTTS.																							
STRAKES.		AMIDSHIPS.		FORWARD.		AFT.		ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.				State if jogged? <i>yes</i>				RIVETS.				No. of Rows of Rivets				RIVETS.				STRAPPED OR LAPPED.			
		Breadth.		Thickness.		Thickness.		Thickness.		SINGLE OR DOUBLE.		Diam.		Spacing cr. to cr.		Diam.		Spacing cr. to cr.		Diam.		Spacing cr. to cr.		Diam.		Spacing cr. to cr.		STRAPPED OR LAPPED.			
		Inches.		Inches.		Inches.		Inches.				Inches.		Inches.				Inches.		Inches.				Inches.		Inches.					
FLAT PLATE KEEL		44	61	55	55					Double	7/8	3 1/2	Three	7/8	3 3/8	Lapped															
" DBLG. (if any)																															
A		49	55	49																											
B		49	55	49																											
C		49	43	43																											
BOTTOM PLATING, No. of Strakes ... 3										Double	3/4	3	Butt E.W.																		
BILGE PLATING, No. of Strakes ... 1		D	49	39	39					"	7/8	3 1/2	Three	7/8	3 3/8	"															
SIDE PLATING, No. of Strakes ... 1		E	61	67	57	43.25' from stem to collision bulkhead 75				"	7/8	3 1/2	Butt E.W.																		
UPPER DECK, Sheer-strake in Wells		G	61	67	57	Collision bulk. to stem 67				"	7/8	3 1/2	"																		
UPPER DECK, Sheer-strake in Bridge																															
STRAKE BELOW SHEER-strake in Wells		F	61	75	57	do.				Double	7/8	3 1/2	Butt E.W.																		
STRAKE BELOW SHEER-strake in Bridge				31						Single	5/8	2 1/2	one	5/8	2 3/4 to 2 1/4	Lapped															
POOP SIDE PLATING																															
BRIDGE SIDE PLATING		H	49	37	37	73 at ends of beam str.				Single	3/4	3	Three																		
FORECASTLE SIDE PLATING																															

Total No. of W.T. BULKHEADS in Vessel—		4	
Extending to Upper Deck (Sec. 3 c)		✓	
" Deck next below		✓	
As per Rule		5	

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks	✓				
" " Second "	✓				
" " Third "	✓	0.8 INV.			
" " Holds	35-40	5.9 x 3 x .38	30		
COLLISION " (in Hold)	35-45	5 x 2 1/2 x .28 4 x 3 x .31	24	27.5 x .28 5.9 x 3 x .40 F.B. 13 1/2 x .44 6' PL. 7.9	3.6
AFTER PEAK "		3 1/2 x .44 F.B. flat.	24	6 x 3 1/2 x .44 0.8 INV.	11.0

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓			
STEM	Forg.	8 x 2 ✓		
STERN FRAME	Propeller Post			
	Rudder	C.S. shaped ✓		
Speed of Vessel				
RUDDER—Type		Star - contra ✓		
" A x D				
" Diam. of head	Forg.	9.5 ✓		
" Mainpiece at top pintle		Built into rudder		
" " heel				
" how constructed		Built and F.W. ✓		
" double or single plate coupling, vertical or horizontal		Double .47 ✓ Horizontal ✓		

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	To the requirements of Birmingham Lloyd.
	Has the Steel been tested as required by the Rules?	

Number of Certificates.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
	1st Bower.....														
	2nd "														
	3rd "														
	Collective Weight.....											110			
	Stream											10			

Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE		Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.	
	Length.	Diam.	Stannum.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Inch.	Tons.	Tons.	Cwt.	qrs.	lbs.	Cwt.	Fathoms.	Inch.			Fathoms.	Inch.	Tons.	Fathoms.	Inch.
PA30086	150	1 3/16	85	119	263	1	16		240	1 9/16	Forged steel	Baldt anchor chain	Philadelphia.				
											29 th march 1948		TOWLINE			90	4 6/2
											E.G.P.		HAWSEARS & WARPS			180	2 3/4
													"			180	2 1/4
													"				6/2
		Cir.															
Iron Stream Chain or Steel Wire									75	4 1/4							
										6/2							

Steering Gear, Type (Power or hand) *Electric - makers unknown* ✓ Alternative Means of Steering *gear shaft from tiller to hand steering wheel on top of house* ✓

motors by Siemens - Schuckert

Steering Chains (Size and Test) *none* Windlass Boats *2 @ 21'3" x 8' x 3'* ✓

Ceiling in Holds, thickness and material *2 1/2" wood* ✓ Cargo Battens, thickness, material and spacing *wood 7 x 2" 9 clear space* ✓

Cargo Hatchways.—(Upper Deck) *Steel plates and sections* ✓ Thickness of Hatches *3"* ✓

Size of Hatchways No. 1 (Fwd.) *32' 1 1/2" x 14' 9"* No. 2 *32' 1 1/2" x 14' 9"* No. 3 *29' 10 1/4" x 14' 9"* No. 4 *29' 10 1/4" x 14' 9"* No. 5 ✓ No. 6 ✓

Number of Shifting Beams *5* *5* *5* *5*

abovs Fore and Afters

Builder's Signature _____

This vessel was originally built under the special supervision of surveyors to the Germanischer Lloyd and was classed with that Society. ✓

The greater part of the special survey for classification has been completed at this time (see Rpt. 8) and the vessels condition and standard of workmanship and welding is considered satisfactory. ✓

The main scantlings and arrangements have been verified from the vessel, with the exceptions as shown overleaf, and found to be in accordance with the submitted drawings. ✓

The chain cable particulars as shown above were taken from test certificates supplied by the American Bureau of Shipping. ✓

The owners state that they do not require the vessel to be considered for the notation "Strengthened for navigation in ice" ✓

The amount of Entry Fee £ : : } Fees applied for,
Special Survey Fee..... £ See Rpt. 8: } 19
Travelling Expense, if any £ : : } Received by me,
19

State whether the Vessel has been built under Special Survey ✓

Certificate to be sent to _____ Date of issue _____

(Special notations, where part of class, to be stated.)

I am of opinion the Vessel should be Classed 100 A1
(Continued)

Signature J. Todd
Surveyor to Lloyd's Register of Shipping.

Committee's Minute / **NEW YORK MAY 26 1948** *M*
Character assigned 100A1 (*Class but untemplated*)
Working date 4, 48 N.Y.K.
B. S. 4, 48. T. S. 3, 48.
NOTE - PARTLY HELD.
NOTE - PARTLY HELD.
CRUISER STERN -
E.V.D.
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GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

The following plans are enclosed:

- Midship section
- Profile and decks
- Rudder
- General arrangement
- Capacity Plan

These plans have been sent to the Seattle Surveyor in connection with the conversion and completion of survey.

In addition to the 150 fthm. of cable for which a certificate was produced (see previous page) the vessel has 120 fthm. of 1 13/16 Cable stamped as follows:

B.C. 3235 J.K.H. 26-3-47 266620 L.R. 190430.

2 bower anchors are stamped as follows:

Port bower: O.V.D. 8621 1353170 8 1/2 39 2057 KG. (40-1-26)
Std " O.V.D. 8619 1353150 8 1/2 39 2068 " (40-2-12)

The owners have been requested to furnish certificates for the 120 fthm. cable and the 3 bowers and 1 stream anchor on board.

Particulars to be obtained from vessel and yet to insert in this report:

- Registered dimensions.
- Particulars of riveting of Bridge side plating butts.
- Thickness of aft Peak bld. plating.
- Particulars of windlass.
- Signal letters.
- Mast, masts, stream towing lines.

PARTICULARS OF ELECTRIC WELDING (if employed) Main transverse W.T. bulkheads except boundary connections, hold web frames, engine seating, butts of shell plating amidships, shaft tunnel.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Cruiser stern, echo sounding device, part electric welded, W.T. bulkhead in hold between collision and B.Rm. bulkheads omitted.

Particulars of Drop Test of Cast Steel Anchors, viz:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	
	2nd "	
	3rd "	not available

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 33.8 ft., R.Q.D. ft., Bridge and N., Forecastle 259.3 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated Forecastle joined to Bridge Deck.

Official No. 254984 Signal Letters Extreme Breadth over Belting no belting Over-all Length 318.2' (Circ. 1611) (Circ. 1703)

No. and Material of Decks 1 continuous steel deck

Parts of Bottom of Vessel coated with cement or approved composition Interior of Peaks and double bottom tanks coated with bitumastic (applied hot), cement on bottom in nos 1 and 7 O.B. Tks.

Particulars of composition (if fitted) and of approval

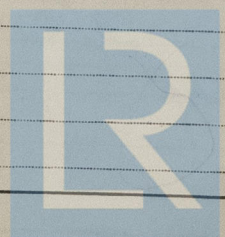
PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.		Length.		Water Capacity.		Where Fitted.		Length.		Water Capacity.	
		Feet.	Tons.					Feet.	Tons.		
Double bottom, aft,	nos 5, 6, 7 (nos 13-49)	82.5	147.1			Fore peak tank,	no 116 - fore	-	-		
Double bottom, under Engines and Boilers,	nos 3, 4	41.3	117.2			After peak tank,	" 7 - aft	-	-	125	
Double bottom, if under Engines only,	(nos 51-69)	123.8				Deep tank, aft,		-	-	68.4	
Double bottom, if under Boilers only,	Coff. - open					Deep tank, forward,					
Double bottom, forward,	nos 1 and 2 (nos 69-116)	107.7	213.7			Other tanks, if fitted,					
Total length (if continuous) and Capacity		-	478.0			(If necessary, furnish further information by sketch.)					

Order for Special Survey No.

Date

Dates of Surveys held while building



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Total No. of Visits