

## STEEL STEAMER or MOTORSHIP

Received at London Office NOV 13 1940

State if Report has been sent on the Freeboard of the Vessel Yes

State if Report is sent on the Machinery of the Vessel Yes

Date of completion of report 22nd October, 1940 Port of Baltimore, Maryland No. 7189  
Survey held at Baltimore, Maryland Date First Survey Aug. 27, 1940 Last Survey Sept. 15, 1940

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Steel Single Screw Steamer "KALANI" (now Empire Chetah)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full Scantling State Type of Erections P. B. & F.

TONNAGE under 5309 CLASS 100 A1 State if with freeboard No Built at Seattle, Washington  
Tonnage Deck... Contemplated as condition of Class FEET.

Do. of space or spaces between Tonnage Dk. and Upper Dk. - Length from fore part of stem to after part of stern } L 410.46  
most on summer L.W.L. See Sec. 3 (1a)

Total Breadth (greatest moulded) B 54.00 Builders Skinner & Eddy Corp.

Gross Tonnage 5506 Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 29.75 Owners Ministry of Shipping

Register Tonnage 3412 1st Longitudinal Number (L x D) = 2nd Numeral L x (B + D) = Managers -

REGISTERED DIMENSIONS.  
FEET.

Length 409.6

Breadth 54.2

Depth 27.1

Framing Depth "d," at middle of length. See Sec. 3 (1d)

Proportions—Depth to Length—Uppermost continuous deck to top of keel Do. Long Bridge to top of keel

Draught Moulded

Residence -

Port of Registry -

If surveyed while building, afloat, or in dry dock

Dry Dock

## 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 amidships	27 ✓		Bracket Floors, Frame	-	
" " from $\frac{3}{4}$ length amidships to Collision bulkhead	27 ✓		" " Reversed Frame	-	
" " in peaks	24 ✓		" " Vertical Struts	-	
SIDE FRAMING.	9x3.8x3.8x 28.6# ✓		Centre Girder, depth and thickness amidships	-	
Frame Amidships, Angle, [ or ]	upper deck ✓		" " top Angles	-	
" " Extends up to	upper deck ✓		" " bottom Angles	-	
Reversed Frame Amidships, Angle	-		Side Girders, No. each side and thickness	-	
" " Extends up to	-		Margin Plate depth (excl. of flange) and thickness	-	
Depth of Framing Girder	-		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	-	
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]	-		" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area	-	
" " Second 'tween Decks, Angle, [ or ]	-		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	-	
" " Third " " " "	-		" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area	-	
" " from $\frac{1}{4}$ len. for'd. to 15% len. from Stem	6x3 $\frac{1}{2}$ x11.7# ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	71 .42 ✓	
" " in Peaks, Angle or [ or ]	3 $\frac{1}{2}$ x3x7.9# ✓		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	-		Breadth and thickness of Middle Line Strake	-	
State if Frame Joggled	No ✓		Thickness of remainder in Holds	-	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes ✓		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?	Yes ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes ✓		BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]	7x3.4x3.4x18.6# ✓	
Floors, Depth and thickness at mid-line in Holds	-		" " in way of Bridge, Angle, [ or ]	7x3.4x3.4x18.6# ✓	
Height of Brackets at side above base line at toe of frame	-		Spacing	every frame ✓	
Middle Line Keelson, on Floors, Angles, [ or ]	-		Second Deck, amidships, Angle, [ or ]	12x3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x32.7# ✓	
" " Through Plate or Intercoastal Plate	-		Spacing	alternate frames ✓	
" " Foundation Plate on Floors	-		Third Deck, amidships, Angle, [ or ]	-	
" " Flat Plate Keel Angles	-		Spacing	-	
Side Keelsons, No. each side	-		Fourth Deck, amidships, Angle, [ or ]	-	
" " thickness of Intercoastal Plate	-		Spacing	-	
" " Angles	-		Poop Deck, Angle, [ or ]	9x3.8x3.8x28.6# ✓	
DOUBLE BOTTOM.			Spacing	alternate frames ✓	
Solid Floors, thickness and spacing	-		Bridge Deck, Angle, [ or ]	7x3.4x3.4x18.6# ✓	
" " Are Frame and Reversed Frame joggled?	-		Spacing	every frame ✓	
Bracket Floors, breadth and thickness at middle line	-		Forecastle Deck, Angle, [ or ]	7x3.4x3.4x18.6# ✓	
" " breadth and thickness at margin plate	-		Spacing	every frame ✓	



PILLARS AND DECKS.									
		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
<b>PILLARS, No. of Rows.....</b>		Built				47		.48	
" in 'tween Decks, Size and Spacing.....		widely						.36	
" " " " " "		spaced						.36	
" in Holds " " " "		at Hatch						.36	
" " " " " "		Corners				No			
<b>Centre Line Bulkhead.</b>									
Stiffeners and Spacing.....									
Plating, thickness of .....									
<b>STRINGERS AND DECKS.</b>									
<b>Uppermost Continuous Deck.</b>									
Stringer Plate, breadth and thickness in Wells		62		.66					
" " " " " in way of Bridge		62		.48					
" Angle in Wells .....		5x 5		23.6					
Thickness of Plating abreast Deck openings in way of Wells .....				.48					
Thickness of Plating abreast Deck openings in way of Bridge .....				.40					
Thickness of Plating within line of openings.....				.40					
If Sheathed, material and thickness .....		No							
<b>Second Deck.</b>									
Stringer Plate, breadth and thickness in Wells...		47		.48					

SHELL PLATING.									
SCANTLINGS.					RIVETING.				
AS IN VESSEL.					EDGES.				
ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.					BUTTS.				
STRAKES.					SINGLE OR DOUBLE.				
Breadth. Thickness. Thickness. Thickness.					RIVETS.				
Inches. Inches. Inches. Inches.					Diam. Spacing or to or.				
					No. of Rows of Rivets.				
					Diam. Spacing or to or.				
					Inches. Inches.				
FLAT PLATE KEEL .....					Double 1-1/8 4-5/8 4 1-1/8 4 Lapped				
" DELG. (if any) .....					Double 7/8 3-3/8 4 7/8 3-1/2 Lapped				
BOTTOM PLATING, No. of Strakes .....					Double 7/8 3-3/8 4 7/8 3-1/2 "				
BILGE PLATING, No. of Strakes .....					Double 7/8 3-7/8 3 7/8 3-1/2 "				
SIDE PLATING, No. of Strakes .....					Double 1-1/8 4-1/2 3 1-1/8 4-3/8 Strapped				
UPPER DECK, Sheer-strake in Wells.....					Double 7/8 3-7/8 4 7/8 3-1/2 Lapped				
UPPER DECK, Sheer-strake in Bridge .....					Double 1 3-7/8 4 1 4 "				
STRAKE BELOW SHEER-strake in Wells.....					Double 7/8 3-7/8 4 7/8 3-1/2 "				
STRAKE BELOW SHEER-strake in Bridge .....					Single 3/4 3 2 3/4 3 "				
POOP SIDE PLATING .....					Double 1 3-7/8 4 1 4 "				
BRIDGE SIDE PLATING .....					Single 3/4 3 2 3/4 3 "				
FORECASTLE SIDE PLATING .....									

WATERTIGHT BULKHEADS.						FORGINGS AND CASTINGS.				
Total No. of W.T. BULKHEADS in Vessel—  Extending to Upper Deck (Sec. 3 c) 7  " Deck next below —  As per Rule 7						Castings or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted	
						KEEL, Bar				
						STEM				
STIFFENERS.						STERN FRAME	Propeller Post			
							Rudder			
Speed of Vessel						10				
RUDDER—Type										
MIDSHIP BULKHEAD, Upper tween decks						A x D				
" " Second "						Diam. of head				
" " Third "						Main piece at top pintle				
" " Holds						" heel				
COLLISION " (in Hold)						how constructed				
AFTER PEAK "						double or single plate coupling, vertical or horizontal				
STEEL.										
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)										
Has the Steel been tested as required by the Rules?						Steel tested to A.B. Rules				

EQUIPMENT No.										LETTER Z										ANCHORS.									
Number of Certificate.		Anchors.		WEIGHT, EX. STOCK.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY TABLE 15.		Description of Anchor.		Makers.		Where and when tested and Superintendent.													
				Cwts. qrs. lbs.		Cwts. qrs. lbs.		Tons. cwt. qrs. lbs.		Cwts.																			
1st Bower		See below								63-8-0																			
2nd "										63-3-0																			
3rd "										54-2-0																			
Collector weight.										182-3-0																			
Stream										21-3-4 and about																			

  

CHAIN CABLES.										HAWERS AND WARPS.													
Number of Certificate.		Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and size per Table 15.		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 15.	
		Fathoms. Ins.		Tons.		Cwts. qrs. lbs.		Fathoms. Ins.										Fathoms. Ins.		Tons.		Fathoms. Ins.	
270 2 1/2		2 1/2						270 2 1/2										120 5		120 5			
See below																		2000 2-3/4		2000 2-3/4			
90 4-3/4		4-3/4						90 4-3/4										2000 2-1/2		2000 2-1/2			

  

Steering Gear, Type (Power or hand) Telemotor Alternative Means of Steering Hand Gear on Poop Deck

Steering Chains (Size and Test) Windlass steam Boats 2 steel lifeboats

Ceiling in Holds, thickness and material 3 Cargo Battens, thickness, material and spacing 2", wood, 14" centres

Cargo Hatchways. (Upper Deck) Built of steel plates & angles Thickness of Hatches 2-3/4

Size of Hatchways No. 1 (Fwd.) 29-3 x 17 No. 2 31-6 x 17 No. 3 15-9 x 17 No. 4 29-3 x 17 No. 5 27 x 17 No. 6

Number of Shifting Beams 5 at No. 1, No. 4 & No. 5, 3 at No. 3, 6 at No. 2.

Builder's Signature

  

**GENERAL DECLARATION.** It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel Yes

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo No The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

Oil fuel is carried in Nos. 1, 2, 3, 6 & 7 double bottom tanks.

This vessel was built in 1918 for the Emergency Fleet Corporation and is one of a group EFC 1175-1183 built by Skinner Eddy Corporation. She has been classed with the American Bureau of Shipping, but the new owners now desire this Society's classification.

A Special Survey No. 3 was commenced (See Report 8) but owing to urgency could not be completed, nor could all the first entry particulars be obtained. Although it was stated that the anchors and cables had been tested by the American Bureau of Shipping and that certificates were in existence, up to the time of sailing these certificates were not produced. There are 3 Bower Anchors, 1 Stream and one Kedge anchor, and 270 fathoms of chain cable 2-1/4 - 2-3/16 dia.

  

The amount of Entry Fee ..... £ To Be : Charged Oct. 22 1940

Special Survey Fee.... £ 110 in London Received by me, 14/3/41.

Travelling Expenses, if any £ 55.50 : 19.

I am of opinion the Vessel should be Classed 100 A1

State whether the Vessel has been built under Special Survey No. Signature J. Buchanan Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to NEW YORK Date of issue OCT 23 1940

Committee's Minute 100A1 Class built in 1918

Character assigned Examined - 9.40

NOTE - T.S.C.L. 9, 40.



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.)

Midship Section  
General Arrangement  
Stern Frame & Rudder  
Shell Expansion  
Capacity Plan

PARTICULARS OF ELECTRIC WELDING (if employed)

NONE

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

Particulars of Drop Test of Cast Steel Anchors, viz.:—  
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower —  
2nd „ —  
3rd „ —

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 43.0 ft., R.Q.D. — ft., Bridge 115.0 ft., Forecastle 47.0 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated —

Official No. — Signal Letters — Extreme Breadth over Belting — Over-all Length 423' - 9" (Circ. 1703)  
No. and Material of Decks 2 dks. (stl) ✓

Parts of Bottom of Vessel coated with cement or approved composition —

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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	135 ✓	438	Fore peak tank,	—	120 ✓
Double bottom, under Engines and Boilers,	—	—	After peak tank,	—	340 ✓
Double bottom, if under Engines only,	22.5	96	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	22.5	96	Deep tank, forward,	—	—
Double bottom, forward,	✓ 175.5	634	Other tanks, if fitted,	—	—
Total length (if continuous) and Capacity	355.5	1264	(If necessary, furnish further information by sketch.)		

Order for Special Survey No.

Date

Dates of Surveys held while building

Aug. 27, 28 Sept. 15

22.5  
22.5  
45.0



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Foundation

Total No. of Visits 3