Rpt. 1.

DISCLASSED SECTION No. 1097

STEEL STEAMER ~~or MOTORSHIP~~.

17 FEB 1933

Received at London Office .....

DISCLASSED SECTION No. 1097

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 31st Jany 1933 Port of SAN FRANCISCO No. 16863

Survey held at Quincy, Mass + San Francisco Date First Survey 4 February 1932 Last Survey 27th Jany 1933

On the (State ~~if Machinery fitted Aft and if Single, Twin or Triple Screw~~) Tw. Sc. S/S LURLINE

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) SPECIAL. (SEE LETTER ON S/S MARIPOSA)

State Type of Erections FORECASTLE & LONG BRIDGE

CLASS 100A1 (State if with freeboard as condition of Class) WITH FREEBOARD

Built at QUINCY, MASS.

Launched 18 JULY 1932 Yard No. 1447

Builders Bethlehem S. B. Corporation

Owners OCEANIC STEAMSHIP Co

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

Residence 215 Market St, San Francisco, Cal

Port of Registry SAN FRANCISCO

If surveyed while building, afloat, or in dry dock Building, afloat + in dry dock

TONNAGE under Tonnage Deck	10712
Do. of space of spaces between Tonnage Dk. and Upper Dk.	
Total	
Gross Tonnage	18021
Register Tonnage	10559

REGISTERED DIMENSIONS.	FEET.
Length	604
Breadth	79.3
Depth	30.5

		FEET.
Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)	L	605
Breadth (greatest moulded)	B	79
Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)	D	52.75
1st Longitudinal Number (L × D)	=	31913
2nd Numeral L × (B + D)	=	79708
Framing Depth "d," at middle of length. See Sec. 3 (1d)		22
Proportions—Depth to Length—Uppermost continuous deck to top of keel		11.48
Do. Long Bridge to top of keel		9.9
Draught Moulded		28'-0"

FRAMES, DOUBLE BOTTOM AND BEAMS.

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
WEB FRAMES AS PER PLAN				
FRAMES, Spacing amidships	9'-0" +	12'-0"		
		36		
" " from 3/5 length to Collision bulkhead	35 to	25		
" " in peaks		24		
SIDE FRAMING. WEB FRAMES	24" +	38"	·64	
			·44	
Frame Amidships, ~~Angle~~, [or ~~[~~	10	3½	·38	
" " Extends up to	F. DECK			
Reversed Frame Amidships, Angle				
" " Extends up to				
Depth of Framing Girder		10"		
Frames in Uppermost Continuous 'tween Decks, Angle, ~~[~~ or ~~[~~	8	3½	·44	
" " **Second 'tween Decks,** ~~Angle~~, [or ~~[~~	8	3·45	·38	
" " **Third** " " " ["	"	"	"	
Framing in Peaks, ~~Angle or [~~ [	10	3½	"	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8	5¼		
	1	6		
State if Frame Joggled		YES		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	WEB FRAMES AS PER PLAN			
	A, B, C STRAKES			
STRENGTHENING OF BOTTOM FORWARD. State Particulars	MADE ·98"			
SINGLE BOTTOM.				
Floors, Depth and thickness at mid-line in Holds				
Height of Brackets at side above base line at toe of frame				
Middle Line Keelson, on Floors, Angles, [or [				
" " " Through Plate or Intercostal Plate				
" " " Foundation Plate on Floors				
" " " Flat Plate Keel Angles				
Side Keelsons, No. each side				
" " thickness of Intercostal Plate				
" " Angles				
DOUBLE BOTTOM.				
Solid Floors, thickness and spacing	·44 ×	9'-0"		
" " Are Frame and Reversed Frame joggled?	FRAME	YES		
	REVERSE	NO		
Bracket Floors, breadth and thickness at middle line	5'-6"		·44	
" " breadth and thickness at margin plate	5'-0"		·44	

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
Bracket Floors, Frame [	8	3·45	·38	
" " Reversed Frame [	8	3	·36	
" " Vertical Struts ANGLE	7	3½	50	?
Centre Girder, depth and thickness amidships		5'-0"	·64	
" " top Angles	4	3½	·62	
" " bottom Angles	5	5	·68	
Side Girders, No. each side and thickness		2	·44	
Margin Plate depth (excl. of flange) and thickness		48	·74	
" " Vertical Angle to Tank side Bracket abaft ¼ len. from stem	4	4	·62	
" " Vertical Angle to Tank side Bracket forward ¼ len. from stem	"	"	"	
	CONTINUOUS			
" " Gussets, spacing and scantling abaft ¼ len. from stem			·50	
" " Gussets, spacing and scantling forward ¼ len. from stem	none			
Tank Side Brackets, height above base line at toe of Frame and thickness	7'	6"	·50	
INNER BOTTOM PLATING.				
Breadth and thickness of Middle Line Strake		54	·64	
Thickness of remainder in Holds			·60	
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		
BEAMS.				
C DECK **Uppermost Continuous Deck,** amidships in Wells, ~~Angle~~, [or ~~[~~	6	3½	·34	
" " in way of Bridge, ~~Angle~~, [or ~~[~~	"	"	"	
Spacing		36		
D DECK **Second Deck,** amidships, ~~Angle~~, [or ~~[~~	7	3	·38	
Spacing		36		
E DECK **Third Deck,** amidships, ~~Angle~~, [or ~~[~~	7	3	·38	
Spacing		36		
F DECK **Fourth Deck,** amidships, ~~Angle~~, [or ~~[~~	10	3·45	·32	
Spacing		36		
A ~~Poop~~ **Deck,** Angle, ~~[or [~~	6	3½	·50	
Spacing		36		
B ~~Bridge~~ + FORECASTLE **Deck,** ~~Angle~~, [or ~~[~~	6	3½	·34	
Spacing		36		
BOAT ~~Forecastle~~ **Deck,** Angle, ~~[or [~~	6	3½	·38	
Spacing		36		

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PILLARS AND DECKS.

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows		4		
8"×62.5# BETH. H-8¾"×8¼"×.55/.897 — " in tween Decks, Size and Spacing I	8	8	18'-0"	
10"×66# BETH. H-10¼×10 1/16"×.49/.702 — " " " " " I	10	10	•	
14"×100# BETH. H-14×14×.55/.942 — " in Holds " " I	14	14	·50	SPACED AS PER PLAN
12"×84# BETH. H-13¾"×13 15/16"×.43/.62 — " " " " "	14	14	·42	"
Centre Line Bulkhead. Stiffeners and Spacing		✓		
Plating, thickness of		✓		
STRINGERS AND DECKS. **Uppermost Continuous Deck.** C DECK — Stringer Plate, breadth and thickness in Wells		54	·88	
" " " " in way of Bridge		54	·62	
" Angle in Wells	6	6	·75	
Thickness of Plating abreast Deck openings in way of Wells			·74	
Thickness of Plating abreast Deck openings in way of Bridge			·38	
Thickness of Plating within line of openings			•	
If Sheathed, material and thickness	RUBBER TILE ONLY			
Second Deck. D DECK — Stringer Plate, breadth and thickness in Wells		✓		

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
Stringer Plate, breadth and thickness in way of Bridge		54	·62	
Thickness of Plating abreast Deck openings in way of Wells			·50	
Thickness of Plating abreast Deck openings in way of Bridge			·38	
Thickness of Plating within line of openings			•	
If Sheathed, material and thickness	RUBBER TILE ONLY			
Third Deck. E DECK — Stringer Plate, breadth and thickness		54	·48	
If Plated, state thickness			·38	
Fourth Deck. F DECK — Stringer Plate, breadth and thickness		96	·62	42 ?
If Plated, state thickness	·42 to ·32			
A ~~Poop~~ **Deck.** Stringer Plate, breadth and thickness		72	·30	
Plating, Sheathing, material and thickness	TEAK		3	
B ~~Bridge~~ **Deck.** + FORECASTLE DECK — Stringer Plate, breadth and thickness		72	·66	
Plating, Sheathing, material and thickness	TEAK		3	
BOAT ~~Forecastle~~ **Deck.** Stringer Plate, breadth and thickness		30	·25	
Plating, Sheathing, material and thickness	TEAK 3"			

SHELL PLATING.

SCANTLINGS.

Strakes.	As in Vessel. Amidships. Breadth. (Inches.)	Amidships. Thickness. (Inches.)	Forward. Thickness. (Inches.)	Aft. Thickness. (Inches.)	Any Departure from Approved Plans to be Noted.
Flat Plate Keel	54	1·02	·94	·94	
" Dblg. (if any)	none				
ABCD Bottom Plating, No. of Strakes 4	96	·80	·52	·52	
EF Bilge Plating, No. of Strakes 2		"	"	"	
GHJKL Side Plating, No. of Strakes 5		"	"	"	
Upper Deck, Sheer-strake in Wells		✓			
N Upper Deck, Sheer-strake in Bridge	89	·86	·98	·98	
M Strake below Sheer-strake in Wells			·986 / ·52	Doubled at Break of B Deck	
M, Strake below Sheer-strake in Bridge		·83	·52	·74	
Poop Side Plating		✓			
Bridge Side Plating		✓			
Forec'tle Side Plating			·46	(52) ?	

RIVETING.

Strakes.	Edges. Single or Double.	Edges. Rivets. Diam. (Inches.)	Edges. Rivets. Spacing cr. to cr. (Inches.)	Butts. No. of Rows of Rivets.	Butts. Rivets. Diam. (Inches.)	Butts. Rivets. Spacing cr. to cr. (Inches.)	Butts. Strapped or Lapped.
Flat Plate Keel	Double	1	4½	4 ple	1	3¾	Lapped
" Dblg. (if any)							
ABCD Bottom Plating	Double	1	4½	4 ple	1	3¾	Lapped
EF Bilge Plating	"	"	"	"	"	"	"
GHJKL Side Plating	"	"	"	"	"	"	"
Upper Deck, Sheer-strake in Wells							
N Upper Deck, Sheer-strake in Bridge	Double	1	4½	5 ple	1	4½	Lapped
M Strake below Sheer-strake in Wells	"	"	"	"	"	"	"
M, Strake below Sheer-strake in Bridge	"	"	"	"	"	"	"
Poop Side Plating							
Bridge Side Plating							✓
Forec'tle Side Plating				✓	See plans		

Edges: State if joggled? No.

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— 11

Extending to ~~Upper~~ C Deck (Sec. 3 c) ONE (#205)

" Deck next below TEN (#169, 146, 131, 116, 92, 77, 69, 55, 44, 22+13.

As per Rule

	Plating Thickness.	Stiffeners. Vertical. Scantlings.	Stiffeners. Vertical. Spacing.	Stiffeners. Horizontal. Scantlings	Stiffeners. Horizontal. Spacing.
MIDSHIP BULKH'D, Upper tween decks	·32	6×3× ·34 L	34½	none	
" " Second "	·44	8×3·45× 3·45×·38	32½	"	
" " Third "	·50	"	"	"	
" " Holds	·52	"	"	"	
COLLISION " (in Hold)	~~·34~~ ·34 ·56	8×3·5× 3·5×·38	24	—	
AFTER PEAK " "	·34 ·60	8×3·45× 3·45×·38	24 30	•	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		FLAT PLATE KEEL		✓
STEM	ROLLED BAR	9⅞×3¼		✓
STERN FRAME Propeller Post	CASTING	AS PER PLAN	BETHLEHEM STEEL	✓
STERN FRAME Rudder "	"	"	CORP^N	✓
RUDDER—A×D		816		
Speed of Vessel		21½ KNOTS		✓
RUDDER mainpiece at head	CASTING	24" DIA WITH 10" HOLE		✓
" " heel	"	AS PER PLAN	BETHLEHEM STEEL Co.	✓
" how constructed	CAST STEEL FRAME			✓
" double or single plate	DOUBLE PLATE			✓
" coupling, vertical or horizontal	HORIZONTAL			

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) BETHLEHEM STEEL CORPORATION ✓

Has the Steel been tested as required by the Rules? TESTED BY AMERICAN BUREAU OF SHIPPING ✓

Clerk

EQUIPMENT No. ..... LETTER ..... ANCHORS.

Number of Certificate.	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.
A.B.S.		~~Cwts. qrs.~~ lbs.	Cwts. qrs. lbs.	~~Tons. cwts. qrs.~~ lbs.	Cwts.			
P329	1st Bower ...	17250	STOCKLESS	191 100		Baldt	BALDT ANCHOR	CHESTER, PA. 20 Oct 1931
P330	2nd " ...	17250	"	191 100		"	CHAIN & FORGE	W. S. ROBERTS
P328	3rd " ...	14800	"	176 015		"	Co.	AMERICAN BUREAU
	Collective weight.	49 310	440			"		OF SHIPPING
P327	Stream	6170	"	101 990		"		

CHAIN CABLES. HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied. Length.	Diam.	Test per Certificate. Statutory.	Breaking.	Weight of Chain Cable. Supplied.	Per Rule.	Length and Size per Table 53. Length.	Diam.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied. Length.	Cir.	Breaking Test of Steel Wire.	Length and Size per Table 53. Length.	Cir.
	Fathoms.	Ins.	~~Tons.~~ LBS	~~Tons.~~ LBS	~~Cwts. qrs.~~ lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	~~Tons.~~ LBS	Fathoms.	Ins.
A.B.S. 33012	330	3⅛	534 060	747 620	185426				CAST STEEL STUD LINK	NATIONAL MALLEABLE STEEL CASTINGS CO.	SHARON PA. 8 JUN 1931 W. D. JONES AMERICAN BUREAU OF SHIPPING	TOWLINE...	150	7½	479520		
												HAWSERS & WARPS	270	9	MANILLA		
												"	270	8	"		
		Cir.		LBS				Cir.									
~~Iron Stream Chain or~~ Steel Wire	120	5½		237024								"					

Steering Gear, Steam AMERICAN ENGINEERING Co. ELECTRIC HYDRAULIC **Steering Gear, Hand** ✓

Boats 2 MOTOR LAUNCHES 18 LIFE BOATS 2 WORK BOATS **Steering Chains,** Size and Test ✓ **Windlass** BETHLEHEM S. B. CORP.

Ceiling in Holds, thickness and material 3" PINE **Cargo Battens,** thickness, material and spacing 5¾x1¼ PINE 12" APART

Cargo Hatchways.—(Upper Deck) No 1 ON C DECK No 2+3 ON B DECK **Thickness of Hatches** 3"

Size of **No. 1 Hatchway** (Forward) 21'x10' **No. 2** 27'x16' **No. 3** 24'x12' **No. 4** **No. 5** **No. 6**

Number of **Shifting Beams** and/or **Fore** and **Afters** No 1-3 No 2-6 No 3-5

10x.30 12x.38 12x.38

BETHLEHEM S. B. CORPORATION

Builder's Signature S M Bakewell Vice Pres

GENERAL DECLARATION. *It should be stated (a) whether the vessel 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.*

This vessel has not been built under Special Survey but she has been examined at intervals during construction, in dry dock + afloat. The scantlings + arrangements comply with the Rules + approved plans, + the workmanship + material are good.

The steel has been made at approved works, + has been tested by the American Bureau of Shipping

The Oil Fuel Tanks, cofferdams, ballast + fresh water tanks, + peak tanks have been tested in accordance with the Rules. They have been examined + found good + tight.

This vessel is now in good condition + in the circumstances of this case, is eligible, in our opinion, to be classed 100 A1 with date of survey

Arch Monterey - S to 6693
" 6623
Manpower

The amount of Entry Fee ..... £ : :
as agreed
Special Survey Fee.... £ $1400 00
N.Y. *Travelling Expenses, if any* £ 100 00

Fees applied for, 31st Jany 1933
Received by me, 16/3/33

I am of opinion the Vessel should be Classed 100 A1

State whether the Vessel has been built under Special Survey No.

Signature Chas David Millard French John S. Heck.
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to SAN FRANCISCO via New York *Date of issue* 23/2/33

NEW YORK FEB 8 - 1933

Committee's Minute

Character assigned 100 A1 With Freeboard
Fitted for oil fuel 12.32. F.P. above 150°F.
L.M.C. 12.32

Note - Elec. light
Wireless
Ref. Mchy.
Equipt letter-of
12 W.T.B. Steam
Pressure 400 lbs per sq. inch
C.L. F.D.

0045 2/2

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.*)

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 ft., R.Q.D. ft., Bridge 144.0 ft., Forecastle 60 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (*this information is to be given as it should appear in the Register Book*) 4 DKS (STL) 5th DK IN FORWD HOLD

Official No. 231979 Signal Letters MJTC Is bottom of Vessel coated with cement NO if not give particulars of composition Bituminous Enamel

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	45	205	Fore peak tank,	36	178
Double bottom, under Engines and Boilers,	228	2108	After peak tank,	33	161
Double bottom, if under Engines only,			Deep tank, aft, 10 F.W. TANKS		1081
Double bottom, if under Boilers only,			Deep tank, forward, 37 F.O. TANKS		5733
Double bottom, forward,	196	995	Other tanks, if fitted, (PLEASE SEE PLAN)		
	Total capacity of double bottom	3308	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No.

Date

Dates of Surveys held while building: 1932 Feb 4 Nov 2, 4 Dec 19, 20, 21, Jan 1933, 25th 26th & 27th

Total No. of Visits 9