

~~Awning or~~ Shelter Deck,  
~~or Pl. Awning Deck.~~

## STEEL STEAMER.

No. 4550

Port of PHILADELPHIA. Date of completion of Report 7<sup>th</sup> MARCH, 1923. Received at London Office WED. MAR. 28 1923  
 Survey held at CHESTER, PA. Date, First Survey 23<sup>rd</sup> DECEMBER, 1920. Last Survey 1<sup>st</sup> MARCH 1923.

On the (State if Single, Twin, or Triple Screw) STEEL SINGLE SCREW STEAMER "PENNSYLVANIA SUN" Rig TWO MASTS (NO SAILS)

TONNAGE under Tonnage Deck... 8561.72CLASS 100A1SHELTER DECK WITH FREEBOARD.  
CARRYING PETROLEUM IN BULK FEET.~~Do. between Tonnage Dk. and~~Total under Upper Dk. 8561.72~~Do. of Poop~~~~Do. of R. Qr. Dk.~~~~Do. of Bridge House~~~~Do. of Forecastle~~~~Do. of Houses on Deck~~~~Do. of excess of Hatchways~~~~Do. above Crown of~~~~Engine Room~~~~Less Crew Space~~~~Less above Crown of~~~~Engine Room~~

TONNAGE FOR FEES...

Less Engine Room

Less Navigation Spaces &amp;

CREW SPACES.

Tonnage

Beam...

Breadth (greatest moulded) 65.75 MasterDepth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 37.00 Year of AppointmentDeduct height of tween deck when this does not exceed 8ft. 8.00 Built at CHESTER, PA.Transverse Number 94.75 When built 1923 Launched 5<sup>th</sup> FEB, 1923Length on deck from fore part of stem to after part of sternpost 480.50 By whom built SUN SHIPBUILDING CO.Longitudinal Number 45527 Owners SUN OIL CO, INC.Depth "d" at middle of length. See Secs. 2 & 13... 12.98 ManagersProportions, Depths to Length, Uppermost Continuous Deck at side to top of keel 12.98 (Where necessary to be entered in Reg. Book.)" " " Upper Deck at side to top of keel 12.98 Residence PHILADELPHIADestined Voyage LOS ANGELES Port belonging to PHILADELPHIAIf Surveyed while Building, Afloat, or in Dry Dock YES

TH on Rule	Ft.	Ins.	BREADTH	Ft.	Ins.	DEPTH, ACTUAL	Top of Floors to top of Shelter Dk. Beams	Ft.	Ins.	No. of Decks with flat laid	No. of Tiers of Beams
	480	6	Moulded	65	9	Do.	Upper Deck Beams	36	10 1/4	Two	Two
Length	480.5		breadth	66.0		depth					

FRAMING.						PILLARS.					
Angles or C or L Bars, amidships	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Appro.	Inches per Rule Or as Appro.	PILLARS, In 'tween Deck, size and spacing	Inches in Ship.	Inches Spacing in Ship.	Inches per Rule Or as Appro.	Inches per Rule Or as Appro.	Inches per Rule Or as Appro.
peaks. <u>BULB ANGLE</u>	8	3.5	4 1/2	8	3.5	" " Hold	8 x 8 x 3 1/2 LBS.	8 x 8 x 3 1/2 LBS.	8 x 8 x 3 1/2 LBS.	8 x 8 x 3 1/2 LBS.	8 x 8 x 3 1/2 LBS.
way of Double Bottoms at Solid Floors	3.5	3.5	50	3.5	3.5	" " " " " "	1 1/2 x 11-92.64.5	1 1/2 x 11-92.64.5	1 1/2 x 11-92.64.5	1 1/2 x 11-92.64.5	1 1/2 x 11-92.64.5
" " " " " "						" " " " " "	STEEL N.L. BULK	STEEL N.L. BULK	STEEL N.L. BULK	STEEL N.L. BULK	STEEL N.L. BULK
Frames from centre to centre	25 3/4			25 3/4		" " " " " "					
" " " " " "	24			24		" " " " " "					
ED FRAME, Angles	4	3.5	50	3.5	3.5	" " " " " "					
way of Double bottoms at Solid Floors	4	3.5	50	3.5	3.5	" " " " " "					
" " " " " "						" " " " " "					
depth of girder						" " " " " "					
depth and thickness of Floor Plate						" " " " " "					
mid line for 1 length amidships						" " " " " "					
way of Engine and Boiler space						" " " " " "					
thickness at the ends of vessel						" " " " " "					
th at 1/2 the half bath, as per Rule						" " " " " "					
light extended at the Bilges						" " " " " "					
in Cell Double Bottoms	50			40		" " " " " "					
state if flanged (top and bottom)	No					" " " " " "					
spacing of Solid	25 3/4			25 3/4		" " " " " "					
ORDER, in Dbl. bottom, dpth. & thicknss	88	46	88	46		" " " " " "					
" " Angles, Top	3.5	3.5	50	3.5	3.5	" " " " " "					
" " " Bottom	6	6	56	6	6	" " " " " "					
" " " to Floors	3.5	3.5	50	3.5	3.5	" " " " " "					
ockets at intermdt. frmg., width & thkns						" " " " " "					
ERS, number and thickness	Two	44	Two	44		" " " " " "					
state if flanged (top & bottom)	No					" " " " " "					
angles	6	6	44	6	6	" " " " " "					
LATE, depth (exclusive of flange)	3.5	3.5	50	3.5	3.5	" " " " " "					
and thickness	LEVEL			LEVEL		" " " " " "					
gles to outside plating	6	4	50	6	4	" " " " " "					
" " " " " "						" " " " " "					
ockets at intermdt. frmg., width & thkns						" " " " " "					
ight of Brackets above at bilge						" " " " " "					
FROM PLATING, breadth and	47	44	47	44		" " " " " "					
ness of Middle Line Strake						" " " " " "					
thickness in Engine and Boiler space	ER 100-52 B.R. 54	ER 52-44 B.R. 54				" " " " " "					
" " Remainder in Holds	38		38			" " " " " "					
ng or Shltr Dk, Single Angle	8	3.5	50	8	3.5	" " " " " "					
Angle, Plate, Tee Bulb or Channel	24			24		" " " " " "					
er Deck, Single Angle, Bulb Angle,	9	3.5	525	9	3.5	" " " " " "					
Tee Bulb or Channel						" " " " " "					
nd, Third & Fourth Deck, Single	24			24		" " " " " "					
lb Angle, Plate, Tee Bulb or Channel						" " " " " "					
upper edge						" " " " " "					
Deck, Angle, Bulb Angle, Plate,						" " " " " "					
so Bulb or Channel						" " " " " "					
on upper edge						" " " " " "					
" " " " " "						" " " " " "					
Angles on upper edge						" " " " " "					
Spacing						" " " " " "					
BEAMS, Forecastle Deck, Angle, Bulb Angle,	8	3.5	50	8	3.5	" " " " " "					
Plate, Tee Bulb or Channel						" " " " " "					
" " Angles on upper edge						" " " " " "					
" " Spacing	26 1/2 to 24			26 1/2 to 24		" " " " " "					



[illegible]



WED. MAR. 28 1923

EQUIPMENT No. 49066 LETTER 21

ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE				WEIGHT REQ. BY TABLE 31.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			
11182	1st Bower	87	2	20	500	0	0	62	5	0	0	85	2	0	BALDT.	BALDT ANCHOR CO.	CHESTER, PA. 27.10.20.
11184	2nd "	86	2	12	"	"	"	61	17	2	0	85	2	0	"	"	" 27.10.20.
11201	3rd "	81	1	25	"	"	"	59	0	0	0	73	2	0	"	"	" 24.11.20.
	Collective weight	255	3	1								244	2	0			
11167	Stream	32	0	16	"	"	"	30	4	1	14	31	1	0	"	"	" 12.10.20.
11257	Kedge	15	3	16	"	"	"	17	5	1	7	15	0	0	"	"	" 15.2.21.

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

1st Bower 61.0.8. W.M.N. 11182. 27.10.20.  
2nd " 58.1.26. W.M.N. 11184. 27.10.20. KEDGE:- 10.0.0. W.M.N. 11257. 15.2.21.  
3rd " 55.3.6. W.M.N. 11201. 24.11.20. STREAM:- 23.1.6. W.M.N. 11167. 12.10.20.

CHAIN CABLES.

Number of Certificate.	Length and Size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Fathoms 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.	Fathoms and size per Table 31.	
	Length.	Diam.	Stations.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.
504 B.	150	2 1/16	16	163	513	2.18	300	2 1/16	STRD	LEBANON C.WKS.	LEBANON, PA. 11.1.21.	TOWLINE	130	6	103	130	6
1452	150	"	"	"	526	2.4			LINK.	BRADLEE & Co.	PHILADELPHIA. 27.7.22.		HAWSERS & WARPS	42/100	8		42/100
Stream Cable Steel Wire...	120	5 1/4		80 1/2			120	5 1/4	G.S.W.	JOHN A. ROEBLING & SONS CO.	W.CRAIG. E.I.EVANS.	"	"				
											TRENTON, N.J.	"	"				

Boats FOUR LIFEBOATS & ONE WORKING BOAT.

Steering Gear, Steam BY SUN S.B.CO. Steering Gear, Hand BY SUN S.B.CO.

Pumps, Number NO HAND PUMPS.

Diameter of Barrel. State whether they are in efficient working order

Windlass is STEAM BY SUN S.B.CO.

Capstans FOUR STEAM BY HYDE WINDLASS CO.

Engine Room Skylights.—How constructed? STEEL PLATES & ANGLES.

What arrangements for deadlights in bad weather? STEEL FLAPS WITH BULLS EYES.

Coal Bunker Openings.—How constructed? STEEL PLATES & ANGLES.

How are lids secured? BY CLEATS & BATTENS. Height above deck? 30"

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 8 SCUPPERS EACH SIDE. OPEN RAILS.

Ceiling in Holds, thickness and material FORE HOLD:- 2 1/2" W. WOOD.

Cargo Battens, thickness and material FORE HOLD:- 6" x 2" W. WOOD

Cargo Hatchways.—How formed? STEEL PLATES & ANGLES.

Hatches, If strong and efficient? YES.

State size No. 1 Hatch (Forward) 11'0" x 17'0". No. 2 Hatch 12 PAIRS 6'0" x 4'0"

No. 3 Hatch 5 PAIRS 8'0" x 8'6"

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch NO. 1 HATCH:- 3 FORE & AFTERS.

No. of Breasthooks THREE.

No. of Crutches DEEP FLOORS.

Bulwarks, height above deck and description OPEN RAILS.

Main Rail and Stays, material and size OPEN RAILS.

The foregoing is a correct description.

Surveyor's Signature

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)

Sec. N.Y. 23.1.20. 13.2.20. 22.3.20. 31.3.20. 24.4.20. 7.5.20. 15.9.20. 8.10.20. 1.3.21. 4.3.21.

Workmanship. Are the butts of plating planed or otherwise fitted? PLANED WHERE PRACTICABLE.

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 faying surfaces? YES.

Do any rivets break into or through the seams or butts of the plating? A FEW.

Are the butts of Plating, Stringers, &c., properly shifted and strapped? OR OVERLAPPED? 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 has been built in accordance with the Rules, the approved plans and Secretary's letters of above dates.

The quality of material and workmanship is good.

All cargo oil tanks, cofferdams and oil fuel bunkers have been tested as per Rule and found satisfactory.

The vessel is fitted with Wireless Telegraphy apparatus.

Plans of midship section and general arrangement, and copies of interim certificates are forwarded herewith.

NOTATION:- "PT. CEM." Sister vessel S.S. "AGWINEX", REPORT N° 42143.

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.

FREEBOARD FEE \$ 110.00

The amount of Entry Fee \$ 55.00

Special Survey Fee \$ 3161.50

Travelling Expenses, if any \$ 92.00

(N.Y. \$ 17.00. PHL. \$ 75.00)

State whether the Vessel has been built under Special Survey

I am of opinion this Vessel should be Classed

With, or without Freeboard, as condition of Class

Fees applied for,

9th MARCH 1923

Received by me,

YES.

26.3.23

245

100A1

WITH

SHELTER DECK WITH FREEBOARD.

CARRYING PETROLEUM IN BULK.

FITTED FOR OIL FUEL, 3, 23, F.P. ABOVE 150°F.

NY

Certificate to be sent to

NEW YORK

PHILADELPHIA

Date of issue 4/4/23

E. J. Evans

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Character assigned

Note A.C.P.

equipped as

hought from

much after

Select higher

F.O.

C.L.

New York Mar 13. 1923

+100A1

Shelter deck with free

carrying let in bulk

+L.M.C.-3.23

Fitted for oil fuel 3.23

F.P. above 150°F

The Surveyors are requested not to write on or below the Committee's Minute.



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0134 2/3



GENERAL

## FRAMING.

RIVETING.

[illegible]

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  
0134 <sup>3</sup>/<sub>3</sub>

**PARTICULARS FOR RECORD** in the **REGISTER BOOK**.—Length of Poop

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 *100% SHELTER DECK (STEEL) & WEB FRAMES. LONGITUDINAL FRAMING.*

No. and Material of Decks (if Iron or Steel) and  
should appear in the Register Book) 10 Dk (Stl) + SHELTER Dk (Stl) + WEB FRAMES. LONGITUDINAL  
WOOD Signal Letters MOWS State if Machinery is fitted aft MCHY AFT.  
WOOD Outside BY PAINT.

Official No. 222747; Signal Letters MDWS. State if Machinery is fitted at 7-27.  
How are the surfaces preserved from oxidation? Inside BY CEMENT, PAINT OR BITUMASTIC EXCEPT IN OIL TANKS. Outside BY PAINT.

How are the surfaces preserved from oxidation? Inside by painting, etc. under system or with girders on floors CELLULAR

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or not.		Length.	Water Capacity.
		Feet.	Tons.
	Water Capacity.		
	Where Fitted.		

PARTICULARS OF WATER BALLAST.—State whether the			Double bottom is		Where Fitted.		Length.		Water Capacity.	
Where Fitted.			Feet.		Tons.		Feet.		Tons.	
Double bottom, aft,										
Double bottom, under Engines and Boilers,										
Double bottom, if under Engines <del>only</del> , <i>*IN OR W.B.</i>			49.35		168.26					
Double bottom, if under Boilers <del>only</del> , <i>FRESH WATER</i>			35.00		152.00					
Double bottom, forward, <i>WATER BALLAST.</i>			39.75		127.53					
Total capacity of double bottom			447.79							
Fore peak tank,										
After peak tank,										
Deep tank, aft,										
Deep tank, forward,										
Other tanks, if fitted,										
(If necessary, furnish further information by sketch.)										
The above have been tested as required by the Rules.									YES.	

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

1.79 (If necessary, furnish further information by \_\_\_\_\_)  
State whether the above have been tested as required by the Rules YES

Order for Special Survey No. 415

Date 7<sup>th</sup> MARCH, 1920

No. 42 in builder's yard.

**DATES of Surveys**  
held while building

lengths of the tanks.

1920:- DEC 28, 30. 1921:- JAN 18, 27. FEB 3, 9, 15. MAR 3, 14, 28, 29, 31. APR 6, 22. MAY 3, 13, 23.  
JUNE 22, 28, 29, 30. JULY 1, 12, 18, 20, 21, 25. AUG. 1, 3, 9, 22, 24, 25. SEP. 9, 12, 13, 16, 20, 26, 29. OCT 3, 5, 11.  
18, 21, 25, 28, 31. NOV. 4, 10, 15, 17, 18, 21, 23, 25, 29, 30. DEC. 7, 14, 23, 28, 30. 1922:- JAN 5, 17, 19, 20, 23, 26.  
FEB. 8, 16, 22, 23. MAR. 3, 29. APR 6, 13. 1923:- JAN 30. FEB 6, 19, 23, 26, 28. MAR. 1.

Total No. of Visits 86

Total No. of Visits *86* .....

Surveyor's Signature

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Total No. of Visits 86  
E. J. Evans.  
Lloyd's Register  
Foundation