

Awning or Shelter Deck, STEEL STEAMER.

or Pt. Awning Deck.

No. 10920

State if Report is also sent on the Machinery of the Vessel. Yes. (See 27974)

Port of Philadelphia Date of completion of Report 11th January 1921 Received at London Office 11th JAN 1921
Survey held at Philadelphia Date, First Survey, 3rd Sept 1919 Last Survey 23rd Dec 1920
On the S.S. DELAWARE Rig Schooner

TONNAGE under Tonnage Deck 4199.65 CLASS 100A1 Shelter Dk. with platform FEET.
Do. between Tonnage Dk. and 3rd, 4th, or Awning Dk. 13.49 Breadth (greatest moulded) 52.0
Total under Upper Dk. 4199.65 Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 24.75
Do. of Poop 8.91 Deduct height of 'tween deck when this does not exceed 8ft. 4.75
Do. of B. Qr. Dk. Transverse Number 77.5
Do. of Bridge House Length on deck from fore part of stem to after part of sternpost 363.0
Do. of Forecastle 256.50 Longitudinal Number 28132.0
Do. of Houses on Deck 31.75 Depth "d" at middle of length. See Secs. 2 & 13. 20.75
Do. of excess of Hatchways Less above Crown of Engine Room 4501.39
Gross Tonnage 202.69 Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel 10.83
Less above Crown of Engine Room 4298.70
Tonnage for Fees... 1440.44
Fine Room 71.19
Tonnage 2787.07
Destined Voyage Dry Dock If Surveyed while Building, Afloat, or in Dry Dock Yes.

Length 363.0 Breadth 52.0 Depth 24.75
No. of Decks with flat laid 2
No. of Tiers of Beams 3
Length of Ship per Register, 363.0 breadth 52.0 depth 24.75
Upper Deck. Moulded depth, ft. 24 ins. 9 To Upper Dk.

FRAMING.				PILLARS.			
Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.
Angles or Bars, amidships	11 3/2	62 1/2	11 3/2 62 1/2	PILLARS, in 'tween Deck, size and spacing	11 3/2 62 1/2	11 3/2 62 1/2	11 3/2 62 1/2
Peaks	7 3/2	36 1/2	7 3/2 36 1/2	" Hold	"	"	"
Way of Double Bottoms at Solid Floors	3 1/2	3 1/2	40 3/2 3 1/2 40	" Quarter, 'tween Dks.,	"	"	"
" at intermdt. Bkts.	2 1/2	2 1/2	40 2 1/2 2 1/2 40	" in Hold	"	"	"
Frames from centre to centre amidships	33 1/2	33 1/2	33 1/2 33 1/2	KEELSONS AND STRINGERS.			
Length to collision bulkhead	26 3/4	26 3/4	26 3/4 26 3/4	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
Frames from centre to centre in peaks	24 1/2	24 1/2	24 1/2 24 1/2	" Rider Plate			
SED FRAME, Angles	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Flat Keel Plate Angles			
Way of Double bottoms at Solid Floors	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Horizontal Plates on Floors			
" at intermdt. Bkts.	2 1/2	2 1/2	40 2 1/2 2 1/2 40	" Angles or Bulb Angles			
Depth of girder	11 3/2	11 3/2	11 3/2 11 3/2	SIDE KEELSONS, Number			
Depth and thickness of Floor Plate	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Angles or Bulb Angles			
at mid-line for 1/2 length amidships	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Plate above floors, for length			
Way of Engine and Boiler spaces	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Intercoastal Plate, for length			
Thickness at the ends of vessel	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Attached to outside plating with Angle			
Depth at 1/2 the half-bdth. as per Rule	3 1/2	3 1/2	40 3 1/2 3 1/2 40	BILGE KEELSON, Angles			
Height extended at the Bilges	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Intercoastal Plate, for length			
in Cell Double Bottoms	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Attached to outside plating with Angle			
state if flanged (top and bottom)	3 1/2	3 1/2	40 3 1/2 3 1/2 40	SIDE STRINGERS, Number			
spacing of Solid	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Angle			
GIRDER, in Dbl. bottom, dpth. & thckness	4 1/2	4 1/2	40 4 1/2 4 1/2 40	" Intercoastal Plate, for lng.			
" Angles, Top	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Attached to outside plating with Angle			
" Bottom	4 1/2	4 1/2	40 4 1/2 4 1/2 40	Awning or Shelter Deck Stringer Plates, breadth and thickness			
" to Floors	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Angle on ditto			
Brackets at intermdt. frmg. width & thckness	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Tie Plates, fore and aft, outside Hatchways			
ORDERS, number and thickness	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Deck, * for Steel, for whole lng.			
" state if flanged (top & bottom)	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Wood Deck. Material & thickness			
Angles	3 1/2	3 1/2	40 3 1/2 3 1/2 40	Upper Deck Stringer Plate, breadth and thickness			
PLATE, depth (exclusive of flange) and thickness	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Angles on ditto, No.			
Angles to outside plating	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Tie Plates, outside Hatchways			
" to floors	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Deck, * for Steel, for whole lng.			
Brackets at intermdt. frmg. width & thckness	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Wood Deck. Material & thickness			
Height of Brackets above at bilge	3 1/2	3 1/2	40 3 1/2 3 1/2 40	Second Deck Stringer Plates, br'dth & thckn's			
BOTTOM PLATING, breadth and thickness of Middle Line Strake	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Angles on ditto, No.			
" thickness in Engine and Boiler space	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Tie Plates, outside Hatchways			
" Remainder in Holds	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Deck, * Material and thickness			
Awning or Shltr Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	3 1/2	3 1/2	40 3 1/2 3 1/2 40	Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness			
Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Angles on ditto, No.			
Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Tie Plates, outside Hatchways			
Angles on upper edge	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Deck, Material and thickness			
Angles on upper edge	3 1/2	3 1/2	40 3 1/2 3 1/2 40	Poop Deck Stringer Plate, breadth & thickness			
Angles on upper edge	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Angles on ditto			
Angles on upper edge	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Tie Plates			
Angles on upper edge	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Deck, Material and thickness			
Angles on upper edge	3 1/2	3 1/2	40 3 1/2 3 1/2 40	Bridge Deck Stringer Plate, br'dth & thickness			
Angles on upper edge	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Angle on ditto			
Angles on upper edge	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Tie Plates			
Angles on upper edge	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Deck, Material and thickness			
Angles on upper edge	3 1/2	3 1/2	40 3 1/2 3 1/2 40	Forecastle Deck Stringer Plate, br'dth & th'kns			
Angles on upper edge	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Angle on ditto			
Angles on upper edge	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Tie Plates			
Angles on upper edge	3 1/2	3 1/2	40 3 1/2 3 1/2 40	" Deck, Material and thickness			
Angles on upper edge	3 1/2	3 1/2	40 3 1/2 3 1/2 40				

WEB FRAMES.				FORGINGS & CASTINGS.			
WEB FRAMES, In Fore Body, No. and spacing	Inches in Ship.	Inches in Ship.	Inches per Rule.	KEEL, Bar, depth and thickness	Inches in Ship.	Inches per Rule.	Inches per Rule.
brdth. & thickness	14.00	14.00	14.00	STEM, moulding and thickness	10.298	10.298	10.298
No. of Side Stringers	24	24	24	STERN-POST for Rudder do. do.	9.7	9.7	9.7
WEB FRAMES, In E. & B. Space, No. & spacing	24	24	24	for Propeller	335.76	335.76	335.76
brdth. & thickness	24	24	24	RUDDER-A x D Table 22. Speed	9.2	9.2	9.2
WEB FRAMES, In After Body, No. and spacing	24	24	24	Main-Piece, diameter at head	6.74	6.74	6.74
brdth. & thickness	24	24	24	" " " at heel	6.74	6.74	6.74
No. of Side Stringers	24	24	24				
Size of Face Angles to Web-Frames	24	24	24				
BRACKET PLATES to Stringers between Web Frames, depth and thickness	24	24	24				

BULKHEADS.				STIFFENERS.			
Vessel.	Number.	Thickness.	Single or Double Frames.	Horizontal.	Vertical.	Height up, state deck.	Height up, state deck.
W.T. BULKHEADS	110	34	✓	10.35-10.5	31	4.0	4.0
"	69	34	✓	10.35-10.5	31	4.0	4.0
"	51	34	✓	10.35-10.5	31	4.0	4.0
"	30	34	✓	10.35-10.5	31	4.0	4.0
" COLLISION PARTITION	121	45-28	✓	10.35-10.5	31	4.0	4.0
LONGITUDINAL	78	45-28	✓	10.35-10.5	31	4.0	4.0
Are the outside Plates doubled two spaces of Frames in length?	Brackets fitted						
Are the Watertight Doors in efficient working order?	Yes						

PLATING.				RIVETING.			
AS IN SHIP.				PER RULE OR AS APPROVED.			
STRAKES.	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.
Flat Plate Keel (If Bar Keel, state riveting.)	Breadth.	Thickness.	Thickness.	Breadth.	Thickness.	Thickness.	Breadth.
Garboard or A Strake	50	94	70	50	94	70	50
State actual thickness in way of Double Bottom.	70	66	60	70	66	60	70
B	70	66	60	70	66	60	70
C	70	66	60	70	66	60	70
D	70	66	60	70	66	60	70
E	55	66	60	55	66	60	55
F	70	68	60	70	68	60	70
G	70	68	60	70	68	60	70
H	70	68	60	70	68	60	70
J	70	68	60	70	68	60	70
K	70	68	60	70	68	60	70
L	60	68	60	60	68	60	60
M							
N							
O							
P							
Q							
R							
S							
T							
U							
V							
W							
THICKNESS OF SHEET PILE	✓			✓			✓
CLEAR OF LONG BRIDGE	✓			✓			✓
DO. OF STRAKE BELOW	✓			✓			✓
DELG. of Flat Plate Keel	✓			✓			✓
Sheerstrakes	✓			✓			✓
Length and thickness.	✓			✓			✓
POOP SIDES	✓			✓			✓
SHORT BRIDGE SIDES	✓			✓			✓
FORECASTLE SIDES	✓			✓			✓

FRAMES.				MASTS, SPARS, &c.			
FRAMES extend in one length from	Butts, Quad. riveted for	length amidship.	Butts of Side Stringers	Material.	At Partners.	Head.	Head.
Shelter Deck	Butts, Quad. riveted for	length amidship.	Butts of Side Stringers	Steel.	28	28	28
Stringer Plate	Butts, Quad. riveted for	length amidship.	Butts of Side Stringers	Steel.	28	28	28
Upper Deck	Butts, Quad. riveted for	length amidship.	Butts of Side Stringers	Steel.	28	28	28
Stringer Plate	Butts, Quad. riveted for	length amidship.	Butts of Side Stringers	Steel.	28	28	28

FRAMES.				MASTS, SPARS, &c.			
FRAMES extend in one length from	Butts, Quad. riveted for	length amidship.	Butts of Side Stringers	Material.	At Partners.	Head.	Head.
Shelter Deck	Butts, Quad. riveted for	length amidship.	Butts of Side Stringers	Steel.	28	28	28
Stringer Plate	Butts, Quad. riveted for	length amidship.	Butts of Side Stringers	Steel.	28	28	28
Upper Deck	Butts, Quad. riveted for	length amidship.	Butts of Side Stringers	Steel.	28	28	28
Stringer Plate	Butts, Quad. riveted for	length amidship.	Butts of Side Stringers	Steel.	28	28	28

EQUIPMENT No. 31363. LETTER X.				ANCHORS.			
Number of Certificate.	Weight, Ex. Stock.	Weight of Stock.	Test, per Certificate.	Weight Reg. by Table 31.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
1st Bower	35.0	35.0	35.0	35.0	35.0	35.0	35.0
2nd "	35.0	35.0	35.0	35.0	35.0	35.0	35.0
3rd "	35.0	35.0	35.0	35.0	35.0	35.0	35.0
Stream	35.0	35.0	35.0	35.0	35.0	35.0	35.0
Kedge	35.0	35.0	35.0	35.0	35.0	35.0	35.0

Particulars of Drop Test of Cast Steel Anchors, viz.:-				CHAIN CABLES.			
Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	2nd "	3rd "	Length and Size supplied.	Test per Certificate.	Weight of Chain Cable.	Where and when tested, and Superintendent.
1st Bower	34-8-7. D.W.	34-2-2. D.W.	31-3-7. D.W.	34-8-7. D.W.	34-8-7. D.W.	34-8-7. D.W.	34-8-7. D.W.
2nd "	34-2-2. D.W.	34-2-2. D.W.	31-3-7. D.W.	34-2-2. D.W.	34-2-2. D.W.	34-2-2. D.W.	34-2-2. D.W.
3rd "	31-3-7. D.W.	31-3-7. D.W.	31-3-7. D.W.	31-3-7. D.W.	31-3-7. D.W.	31-3-7. D.W.	31-3-7. D.W.

HAWERS AND WARPS.				STEERING GEAR, STEAM PUMPS, WINDLASS.			
Number of Certificate.	Length and Size supplied.	Test per Certificate.	Weight of Chain Cable.	Length and Size supplied.	Test per Certificate.	Weight of Chain Cable.	Where and when tested, and Superintendent.
12881	270	270	270	270	270	270	270
Iron Steam Chain or Steel Wire.	90	90	90	90	90	90	90

Boats & Lifeboats.				STEERING GEAR, STEAM PUMPS, WINDLASS.			
Boats, Number.	Lifeboats, Number.	Steering Gear, Steam Pumps, Windlass.	Steering Gear, Hand.	Boats, Number.	Lifeboats, Number.	Steering Gear, Steam Pumps, Windlass.	Steering Gear, Hand.
Boats, Number.	Lifeboats, Number.	Steering Gear, Steam Pumps, Windlass.	Steering Gear, Hand.	Boats, Number.	Lifeboats, Number.	Steering Gear, Steam Pumps, Windlass.	Steering Gear, Hand.
Boats, Number.	Lifeboats, Number.	Steering Gear, Steam Pumps, Windlass.	Steering Gear, Hand.	Boats, Number.	Lifeboats, Number.	Steering Gear, Steam Pumps, Windlass.	Steering Gear, Hand.

Correspondence.				WORKMANSHIP.			
State dates and initials of letters respecting this case.	Reference should be made in any correspondence connected with the case.	State results of tests.	State results of tests.	State dates and initials of letters respecting this case.	Reference should be made in any correspondence connected with the case.	State results of tests.	State results of tests.
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General Remarks.				Fees applied for.			
State quality of workmanship, &c.	Good and satisfactory throughout.	State results of tests.	State results of tests.	State quality of workmanship, &c.	Good and satisfactory throughout.	State results of tests.	State results of tests.
State quality of workmanship, &c.	Good and satisfactory throughout.	State results of tests.	State results of tests.	State quality of workmanship, &c.	Good and satisfactory throughout.	State results of tests.	State results of tests.
State quality of workmanship, &c.	Good and satisfactory throughout.	State results of tests.	State results of tests.	State quality of workmanship, &c.	Good and satisfactory throughout.	State results of tests.	State results of tests.

The amount of Entry Fee.				Fees applied for.			
The amount of Entry Fee.	Special Survey Fee.	Travelling Expenses, if any.	State whether the Vessel has been built under Special Survey.	The amount of Entry Fee.	Special Survey Fee.	Travelling Expenses, if any.	State whether the Vessel has been built under Special Survey.
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GENERAL REMARKS—(continued).

Requirements for carrying oil fuel, flash point not less than 150° F, in double bottom tanks. Complied with.

[Signature]

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 68'0". (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 it should appear in the Register Book) 1st & 2nd steel (6' steel & 2' steel) straight frame bevelled edge. Cement, cross steel
Official No. ☒; Signal Letters ☒; State if Machinery is fitted aft ☒
How are the surfaces preserved from oxidation? Inside cement, Bitumastic enamel, paint Outside paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors. Cellular

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	93.5	472.	Fore peak tank,	19.0	45
Double bottom, under Engines and Boilers,	44.0	209.	After peak tank,	16.0	42.
Double bottom, if under Engines only,			Deep tank, aft,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, if under Boilers only,			Deep tank, forward,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, forward,	159.	638.	Other tanks, if fitted,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Total capacity of double bottom		1319.	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks. 29.65

State whether the above have been tested as required by the Rules. For carrying oil fuel Yes ☒ No ☐ in Double Bottom

Order for Special Survey No.
Date 31.12.19.
No. 21 in builder's yard.

DATES OF SURVEYS held while building
1919, Sep. 3, 23, Oct. 1, 2, 3, 9, 10, 16, 17, 24, 27, 31, Nov. 19, 25, Dec. 1, 9, 16, 23, 1920 Jan. 7, 13, 23, Feb. 5, 12, 19, March. 2, 4, 18, 22, 25, 31, April 4, 16, 19, 22, 29, May 4, 10, 11, 12, 19, 20, June 1, 2, 9, 17, 18, 19, 25, July 9, 13, 30, Aug. 12, 13, 23, 31, Sep. 3, 6, 9, 10, Nov. 3, 8, 9, 15, 19, 25, 30, Dec. 1, 6, 7, 8, 9, 11, 14, 15, 16, 17, 20, 21, 22, 23.

Surveyor's Signature

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