

With ~~or Without~~ Disconnected Erections.

STEEL STEAMER.

Received at London Office

Date of completion of report 16 July 1921 Port of Boston No. 1495
 Survey held at Quincy, Mass. Date, First Survey 13 August 1920 Last Survey 1st July 1921

On the (State if Single, Twin, or Triple Screw) 5/5 J. FLETCHER FARRELL Rig 2 masts

TONNAGE under	<u>6421.52</u>
Tonnage Deck	
Do. between Tonnage Dk. and 3rd and 4th Dk.	<u>6421</u>
Total under Upper Dk.	
Do. of Poop	<u>232.10</u>
Do. of R. Q. Dk. <u>Chart Room</u>	<u>12.11</u>
Do. of Bridge House	<u>78.11</u>
Do. of Forecastle	<u>34.42</u>
Do. of Houses on Dk.	<u>133.34</u>
Do. of excess of Hatchways	
Do. above Crown of Engine Room	<u>149.62</u>
Gross Tonnage	<u>7061</u>
Less Crew Space	<u>315.26</u>
Less above Crown of Engine Room	
TONNAGE FOR FEES	
Less Engine Room	<u>2259.59</u>
Less Navigation Spaces	<u>135.50</u>

CLASS	<u>+100A1</u>
Breadth (greatest moulded)	<u>59.0</u>
Depth , at middle of length from top of keel to top of upper deck beams at side	<u>33.25</u>
Transverse Number	<u>92.25</u>
Length on deck from fore part of stem to after part of stern post	<u>430.3</u>
Longitudinal Number	<u>39694</u>
Depth "d" , at middle of length (See Secs. 2 & 13)	
Proportions —Depths to Length—Upper Deck Beam at side to top of keel	<u>12.94</u>
" " Long Bridge Deck Beam at side to top of keel	

Master	<u>F. RUPPRECHT</u>
Year of appointment	(1) As Master in service of owner of present vessel—191 (2) As Master of this vessel—1919
Built at	<u>Quincy, Mass.</u>
When built	<u>1921</u>
Launched	<u>25 May 1921</u>
By whom built	<u>Bethlehem S. B. Corporation Ltd.</u>
Owners	<u>Sinclair Navigation Co.</u>
Managers	(Where necessary to be entered in Reg. Book.)
Residence	<u>120 Broadway, New York City</u>
Port belonging to	<u>New York.</u>

Register Tonnage 4350 **Destined Voyage** Philadelphia **If Surveyed while Building, Afloat, or in Dry Dock** Building.

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
	<u>430</u>	<u>3 1/2</u>		<u>59</u>	<u>0</u>		<u>30</u>	<u>3</u>	<u>2</u>	
						Do. do. do. do.	<u>28</u>	<u>0</u>		

Dimensions of Ship per Register. Length 430.3 breadth 59.3 depth 33.2 Moulded depth, ft. 33 ins. 3 To Bridge Dk. Round of Upper Dk. Beam, Actual 15 ins.

FRAMING.				PILLARS.			
FRAME, Angles, or [or] Bars amidships	Inches in Ship.	Inches in Ship.	Inches in Ship.	PILLARS In 'tween Deck, size and spacing	Inches in Ship.	Inches in Ship.	Inches in Ship.
Do. in peaks	<u>8</u>	<u>3 1/2</u>	<u>45</u>	" " Hold	<u>4 1/2</u>	<u>4 1/2</u>	<u>4 1/2</u>
Do. in way of Double Bottoms at Solid Floors	<u>3 1/2</u>	<u>3 1/2</u>	<u>44</u>	" " Quarter 'tween Dks.			
" " at intermdt. Bkts.				" " in Hold			
Spacing of Frames from centre to centre amidships				KEELSONS & STRINGERS.			
" " length to Collision bulkhead	<u>24</u>		<u>24</u>	CENTRE LINE KEELSON , Vertical Plate above floors, Through Plate, or Intercoastal Plate	Long Fr. as per attached slip		
" " in peaks				" Rider Plate			
REVERSED FRAME , Angles	<u>3 1/2</u>	<u>3 1/2</u>	<u>44</u>	" Flat Plate Keel Angles	<u>6</u>	<u>6</u>	<u>62</u>
Do. in way of Double Bottoms at Solid Floors				" Horizontal Plates on Floors			
" " at intermdt. Bkts.				" Angles or Bulb Angles			
FRAMING , depth of girder				SIDE KEELSONS , Number	Long Fr. as per approved plan		
FLOORS , depth and thickness of Floor Plate at mid-line for 1/2 length amidships	<u>63</u>	<u>53</u>	<u>63</u>	" Angles or Bulb Angles			
" in way of Engine and Boiler Spaces		<u>38</u>		" Plate above floors, for length			
" thickness at the ends of vessel				" Intercoastal Plate, for length			
" depth at 1/2 the half breadth, as per Rule				" Attached to outside Plating with Angle			
" height extended at the Bilges	<u>43</u>	<u>54</u>	<u>43</u>	BILGE KEELSON , Angles			
FLOORS in Cell. Double Bottoms	<u>20</u>			" Intercoastal Plate for length			
" state if flanged (top & bottom)				" Attached to outside Plating with Angle			
" Spacing of Solid floors	<u>28 1/2</u>	<u>48</u>	<u>28 1/2</u>	SIDE STRINGERS , Number			
CENTRE GIRDER , in Dbl. bottom, dpth. & thcknss.	<u>43</u>	<u>62</u>	<u>43</u>	" Angle			
" Angles, Top	<u>5</u>	<u>5</u>	<u>56</u>	" Intercoastal Plate, for length			
" " Bottom	<u>3 1/2</u>	<u>3 1/2</u>	<u>44</u>	" Attached to outside plating with Angle			
" " to Floors				Upper Deck Stringer Plate , br'dth & thickness (clear of Bridge)	<u>69</u>	<u>64</u>	<u>69</u>
" Brackets at intermdt. frmg., width & thcknss	<u>2</u>	<u>54</u>	<u>2</u>	" " " (br'dth & thickness) (in way of Bridge)	<u>69</u>	<u>80</u>	<u>69</u>
SIDE GIRDERS , number on each side & thickness	<u>3 1/2</u>	<u>3 1/2</u>	<u>56</u>	" " " Angle (clear of Bridge)	<u>6x6</u>	<u>62</u>	<u>6x6</u>
" state if flanged (top and bottom)				" " Tie Plate at sides of Hatchways			
" Angles (top and bottom)	<u>3 1/2</u>	<u>3 1/2</u>	<u>56</u>	" Deck, * Steel, for full lng.			
" " to Floors				" Thickness (clear of Bridge)	<u>58</u>	<u>36</u>	<u>58</u>
MARGIN PLATE , depth (exclusive of flange) and thickness	<u>6</u>	<u>4</u>	<u>62</u>	" " (in way of Bridge)	<u>64</u>	<u>46</u>	<u>64</u>
" Angle to Outside Plating	<u>6 1/2</u>	<u>3 1/2</u>	<u>44</u>	" Wood Deck, Material & thickness	<u>92 1/2</u>	<u>44</u>	<u>92 1/2</u>
" " Floors	<u>3 1/2</u>	<u>3 1/2</u>	<u>44</u>	Second Deck Stringer Plate , br'dth & thickness	<u>5x5</u>	<u>50</u>	<u>5x5</u>
" Brackets at intermdt. frmg., width & thcknss				" Angles on ditto, No.			
" Height of Outside Brackets above at bilge				" Tie Plates outside Hatchways			
INNER BOTTOM PLATING , breadth and thickness of Middle Line Strake				" Deck, * Steel, for full lng.	<u>Steel</u>	<u>36</u>	<u>Steel</u>
" " in Engine and Boiler space				" Wood Deck, Material & thickness			
" " Remainder in Holds				Third Deck Stringer Plate , br'dth & thickness			
BEAMS , Upper Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel	Long Fr. as per attached slip			" Angles on ditto, No.			
" In way of Long Bridge				" Tie Plates, outside Hatchways			
" Spacing				" Deck, * Material and thickness			
BEAMS , Second Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel				Fourth and Fifth Deck Stringer Plate , breadth & thickness			
" Spacing				" Angles on ditto, No.			
BEAMS , Third and Fourth Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel				" Tie Plates outside Hatchways			
" Angles on upper edge				" Deck, Material & thickness			
" Spacing				Poop Deck Stringer Plate , breadth & thickness	<u>3 1/2x3 1/2</u>	<u>38</u>	<u>3 1/2x3 1/2</u>
BEAMS , Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel				" Angle on ditto			
" Angle on upper edge				" Tie Plates			
" Spacing				" Deck, Material and thickness	<u>Steel</u>	<u>34</u>	<u>Steel</u>
BEAMS , Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel				Bridge Deck Stringer Plate , br'dth & thickness	<u>44 1/2</u>	<u>32</u>	<u>44 1/2</u>
" Angles on upper edge				" Angle on ditto	<u>3 1/2x3 1/2</u>	<u>44</u>	<u>3 1/2x3 1/2</u>
" Spacing				" Tie Plates			
BEAMS , Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel				" Deck, Material and thickness	<u>Steel</u>	<u>32</u>	<u>Steel</u>
" Angles on upper edge				Forecastle Deck Stringer Plate , br'dth & th'kns	<u>3 1/2x3 1/2</u>	<u>38</u>	<u>3 1/2x3 1/2</u>
" Spacing				" Angle on ditto			
				" Tie Plates			
				" Deck, Material and thickness	<u>Steel</u>	<u>34</u>	<u>Steel</u>

* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

WEB FRAMES.				FORGINGS or CASTINGS.			
Inches in Ship.				Inches in Ship.			
WEB-FRAMES, In Fore Body, No. and spacing				KEEL, Bar, depth and thickness			
" " " " brdth. & thickness				" " " " 10x2 1/2			
" " " " No. of Side Stringers				STEM, moulding and thickness			
WEB-FRAMES, In E. & B. Space, No. and spacing				STERN-POST for Rudder do. do.			
" " " " brdth. & thickness				" " " " for Propeller			
WEB-FRAMES, In After Body, No. and spacing				RUDDER-A&D* Table 22. Speed			
" " " " brdth. & thickness				" " " " Main-Piece, diameter at head			
" " " " No. of Side Stringers				" " " " at heel			
Size of Face Angles to Web-Frames				" " " " " " " "			
BRACKET PLATES to Stringers between Web Frames, depth and thickness				" " " " " " " "			
BULKHEADS.				RUDDER, how constructed			
Number, Thickness, Horizontal, Vertical, Single or Double, Height up, state deck.				" " " " Thickness of Plate, Single Plate			
24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100				Can the Rudder be unshipped afloat?			
" COLLISION "				Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.?			
" PARTITION "				Bethlehem Steel Co.			
" LONGITUDINAL "				Has the Steel been tested as required by the Rules?			
Are the outside Plates doubled two spaces of Frames in length?				Yes			
Are the Sluice Valves and Watertight Doors in efficient working order?				Yes			
PLATING.				RIVETING.			
STRAKES.				EDGES.			
AS IN SHIP.				Ordinary or Joggled?			
Breadth, Thickness, Forward, Aft.				Single or Double.			
Feet Plate Keel				Double			
GARBOARD or A Strake				Single			
State actual thickness in wa. of Double Bottom				Double			
D				Single			
E				Double			
F				Single			
G				Double			
H				Single			
J				Double			
K				Single			
L				Double			
M				Single			
N				Double			
O				Single			
P				Double			
Q				Single			
R				Double			
S				Single			
T				Double			
U				Single			
V				Double			
W				Single			
THICKNESS OF SHEET PILE				Double			
CLEAR OF LONG BRIDGE				Single			
DO. OF STRAKE BELOW				Double			
DELG. of Flat Plate Keel				Single			
Sheerstrakes				Double			
Length and thickness				Single			
POOP SIDES				Double			
SHORT BRIDGE SIDES				Single			
FORECASTLE SIDES				Double			
Upper Deck				Butts, 4/16 riveted for			
Stringer Plate				Butts, 4/16 riveted for			
Second Deck				Butts, 4/16 riveted for			
Stringer Plate				Butts, 4/16 riveted for			
FRAMES extend in one length from				to			
REVERSED FRAMES on floors and frames extend from				to			
MASTS, SPARS, &c.				MASTS, SPARS, &c.			
Material, Total Length, At Partners, Head, No. of Plates in round, Number, Size, Seams, Butts.				Material, Total Length, At Partners, Head, No. of Plates in round, Number, Size, Seams, Butts.			
Fore				Fore			
Main				Main			
Mizen				Mizen			
Bowsprit				Bowsprit			
Topmasts, Yards and Remainder of Spars				Topmasts, Yards and Remainder of Spars			
Rigging, Material and Size, Shrouds				Rigging, Material and Size, Shrouds			
Sails				Sails			

EQUIPMENT No. 41339				LETTER 87				ANCHORS.				TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS			
Number of Certificate.				WEIGHT, EX. STOCK.				TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 31.			
10815				1st Bower				72-3-2				72-3-2			
10817				2nd				72-1-8				72-1-8			
10766				3rd				62-3-22				62-3-22			
10764				4th				208-0-4				208-0-4			
10755				Stream				25-3-16				25-3-16			
Kedge				12-0-6				13-19-2				11-1-0			
Particulars of Drop Test of Cast Steel Anchors, viz.:-				1st Bower				72-3-2				72-3-2			
Weight, Surveyor's Initials, Number of Certificate, Date of Test.				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			
				4th				208-0-4				208-0-4			
				Stream				25-3-16				25-3-16			
				Kedge				12-0-6				12-0-6			
				1st Bower				72-3-2				72-3-2			
				2nd				72-1-8				72-1-8			
				3rd				62-3-22				62-3-22			

GET

Spacing of Longitudinal Frames

Double Bottoms	Tank Top Longitudinals
4, L or R	Bottom , ,
Spacing of Longitudinals	{ Amidships At Ends

Spacing of Transverse Frames

* State if joggled or liners.

Longitudinal
Beams of
L, L or C

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

5c.4.19.—T.

Official No. 221450 ; Signal Letters MCWN

State if Machinery is fitted aft *MCHY. Aft*
Outside *Paint*

How are the surfaces preserved from oxidation? Inside _____ Pg. CEM.

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

State whether the above have been tested as required by the Rules

Date 28 June 1920

No. 1396. in builder's yard.

DATES of Surveys
held while building

1920 Aug 13, Sept 24, 27, 29 Oct 5, 14, 20 Nov 3, 8, 9, 11, 14, 22, 24, 29, Dec 8, 15, 23, 28
1921 Jan 5, 7, 10, 12, 17, 19, 20, 24, 26 Feb 1, 7, 9, 14, Mar 2, 3, 4, 7, 10, 11, 18, 23, 29 Apr 7, 12, 15, 21, 28
27, 29 May 3, 4, 5, 6, 7, 10, 11, 12, 18, 19, 24, 25, 26, 31 June 1, 2, 3, 4, 5, 6, 8, 9, 10, 13, 14, 15, 16, 17, 27, 28, 29, 30
July 1.

Total No. of Visits 81

Surveyor's Signature

John S. Heck

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Lloyd's Register
S. Heck.
Foundation