

With or Without STEEL STEAMER.

Received at London 11.1913

Disconnected Erections.

State if Report is also sent on the Machinery of the Vessel *Yes.*

Date of completion of report *February 18 1913* Port of *Boston*
Survey held at *Quincy Mass.* Date, First Survey *April 8 1912* Last Survey *February 18 1913*
On the (State if Single, Twin, or Triple Screw) *Single screw steamer* *FRIEDA* No. *718*
Rig *Schooner 3 pole masts*

TONNAGE under
Tonnage Deck...
Do. between Tonnage Dk. & 3rd and 4th Dk.
Total under Upper Dk. *2458.83*
Do. of Poop *146.87*
Do. of Bridge House *82.93*
Do. of Forecastle *72.43*
Do. of Houses on Dk. *152.82*
Areas of Hatchways
Crown of
Engine Room...
Tonnage *2993.61*
Crew Space
Crown of
Engine Room...
Tonnage *2826.61*
Engine Room *957.95*
Navigation Spaces *235.56*
Water Tonnage *1633*
Net on Beam...

CLASS *+100 AI*
Breadth (greatest moulded)... *45*
Depth, at middle of length from top of keel to top of upper deck beams at side... *28*
Transverse Number... *73*
Length on deck from fore part of stem to after part of stern post... *299*
Longitudinal Number... *21900*
Depth "d," at middle of length (See Secs. 2 & 13)... *24.25*
Proportions—Depths to Length—Upper Deck Beam at side to top of keel... *10.67*
Long Bridge Deck Beam at side to top of keel... *10.7*

Master *Arthur H. M. Gray*
Year of appointment *1913*
Built at *Quincy Mass.*
When built *1912* Launched *October 1912*
By whom built *For River Shipbuilding Co.*
Owners *Union Sulphur Company*
Managers *Dr. Dr. Dr.*
Residence *82, Beaver Street, New York*
Port belonging to *New York*

Destined Voyage *New York* If Surveyed while Building, Afloat, or in Dry Dock *Building*

| Length on Deck | Breadth | Depth | No. of Decks with flat laid | No. of Tiers of Beams |
|----------------|---------|-------|-----------------------------|-----------------------|
| 299 | 45 | 28 | 1 | 1 |

Dimensions of Ship per Register, Length *299.6* breadth *45.1* depth *25.45* Moulded depth, ft. *28* ins. *0* To Bridge Dk. *9* ins. To Upper Dk. *9* ins.

| FRAMING. | Inches in Ship. | Inches in Ship. | Inches in Ship. | Inches in Ship. | Inches in Ship. | Inches in Ship. | PILLARS. | Inches in Ship. | Inches in Ship. | Inches in Ship. | Inches in Ship. | Inches in Ship. | Inches in Ship. |
|---|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| NAME, Angle, or Bars amidships | 10 x 3 3/8 x 3 3/8 | 10 x 3 3/8 x 3 3/8 | 10 x 3 3/8 x 3 3/8 | 10 x 3 3/8 x 3 3/8 | 10 x 3 3/8 x 3 3/8 | 10 x 3 3/8 x 3 3/8 | PILLARS, In 'tween Deck, size and spacing | 10 x 3 3/8 | 10 x 3 3/8 | 10 x 3 3/8 | 10 x 3 3/8 | 10 x 3 3/8 | 10 x 3 3/8 |
| Do. in peaks | 6 3 1/2 | 6 3 1/2 | 6 3 1/2 | 6 3 1/2 | 6 3 1/2 | 6 3 1/2 | " " Hold | 6 3 1/2 | 6 3 1/2 | 6 3 1/2 | 6 3 1/2 | 6 3 1/2 | 6 3 1/2 |
| Do. in way of Double Bottoms at Solid Floors | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | " " Quarter 'tween Dks. | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 |
| " " at intermdt. Bkts. | 5 3 1/2 | 5 3 1/2 | 5 3 1/2 | 5 3 1/2 | 5 3 1/2 | 5 3 1/2 | " " in Hold | 5 3 1/2 | 5 3 1/2 | 5 3 1/2 | 5 3 1/2 | 5 3 1/2 | 5 3 1/2 |
| Spacing of Frames from centre to centre amidships | 30 | 30 | 30 | 30 | 30 | 30 | KEELSONS & STRINGERS. | 30 | 30 | 30 | 30 | 30 | 30 |
| " " from 1/2 length to Collision bulkhead | 26 | 26 | 26 | 26 | 26 | 26 | CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate | 26 | 26 | 26 | 26 | 26 | 26 |
| " " in peaks | 24 | 24 | 24 | 24 | 24 | 24 | " Rider Plate | 24 | 24 | 24 | 24 | 24 | 24 |
| EVERSED FRAME, Angles | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | " Flat Plate Keel Angles | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 |
| Do. in way of Double Bottoms at Solid Floors | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | " Horizontal Plates on Floors | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 |
| " " at intermdt. Bkts. | 4 3 | 4 3 | 4 3 | 4 3 | 4 3 | 4 3 | " Angles or Bulb Angles | 4 3 | 4 3 | 4 3 | 4 3 | 4 3 | 4 3 |
| FRAMING, depth of girder | 10 | 10 | 10 | 10 | 10 | 10 | SIDE KEELSONS, Number | 10 | 10 | 10 | 10 | 10 | 10 |
| FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | " Angles or Bulb Angles | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler |
| " " in way of Engine and Boiler Spaces | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | " Plate above floors, for length | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler |
| " " thickness at the ends of vessel | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | " Intercoastal Plate, for length | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler |
| " " depth at 1/2 the half breadth, as per Rule | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | " Attached to outside Plating with Angle | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler |
| " " height extended at the Bilges | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | BILGE KEELSON, Angles | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler | all parts increased in way of boiler |
| FLOORS in Cell. Double Bottoms | 39 3/4 | 39 3/4 | 39 3/4 | 39 3/4 | 39 3/4 | 39 3/4 | " Intercoastal Plate for length | 39 3/4 | 39 3/4 | 39 3/4 | 39 3/4 | 39 3/4 | 39 3/4 |
| " " state if flanged (top & bottom) | 160 | 160 | 160 | 160 | 160 | 160 | " Attached to outside Plating with Angle | 160 | 160 | 160 | 160 | 160 | 160 |
| " " Spacing of Solid floors | 39 3/4 | 39 3/4 | 39 3/4 | 39 3/4 | 39 3/4 | 39 3/4 | SIDE STRINGERS, Number | 39 3/4 | 39 3/4 | 39 3/4 | 39 3/4 | 39 3/4 | 39 3/4 |
| CENTRE GIRDER, in Dbl. bottom, dpth. & thickness | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | " " Angle | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 |
| " " Angles, Top | 4 4 | 4 4 | 4 4 | 4 4 | 4 4 | 4 4 | " " Intercoastal Plate, for length | 4 4 | 4 4 | 4 4 | 4 4 | 4 4 | 4 4 |
| " " Bottom | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | " " Attached to outside plating with Angle | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 |
| " " to Floors | 22 3/4 | 22 3/4 | 22 3/4 | 22 3/4 | 22 3/4 | 22 3/4 | Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge) | 22 3/4 | 22 3/4 | 22 3/4 | 22 3/4 | 22 3/4 | 22 3/4 |
| " " Brackets at intermdt. frmg., wdth & thkns | 200 3/4 | 200 3/4 | 200 3/4 | 200 3/4 | 200 3/4 | 200 3/4 | " " br'dth & thickness (in way of Bridge) | 200 3/4 | 200 3/4 | 200 3/4 | 200 3/4 | 200 3/4 | 200 3/4 |
| SIDE GIRDERS, number on each side & thickness | 200 3/4 | 200 3/4 | 200 3/4 | 200 3/4 | 200 3/4 | 200 3/4 | " " Angle (clear of Bridge) | 200 3/4 | 200 3/4 | 200 3/4 | 200 3/4 | 200 3/4 | 200 3/4 |
| " " state if flanged (top and bottom) | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | " " Tie Plates at side of Hatchways | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 |
| " " Angles (top and bottom) | 3 3 1/2 | 3 3 1/2 | 3 3 1/2 | 3 3 1/2 | 3 3 1/2 | 3 3 1/2 | " Deck * Iron or Steel, for length | 3 3 1/2 | 3 3 1/2 | 3 3 1/2 | 3 3 1/2 | 3 3 1/2 | 3 3 1/2 |
| " " to Floors | 3 3 1/2 | 3 3 1/2 | 3 3 1/2 | 3 3 1/2 | 3 3 1/2 | 3 3 1/2 | " " Thickness (clear of Bridge) | 3 3 1/2 | 3 3 1/2 | 3 3 1/2 | 3 3 1/2 | 3 3 1/2 | 3 3 1/2 |
| MARGIN PLATE, depth (exclusive of flange) and thickness | 160 4 1/4 | 160 4 1/4 | 160 4 1/4 | 160 4 1/4 | 160 4 1/4 | 160 4 1/4 | " " (in way of Bridge) | 160 4 1/4 | 160 4 1/4 | 160 4 1/4 | 160 4 1/4 | 160 4 1/4 | 160 4 1/4 |
| " " Angles to Outside Plating | 15 5 | 15 5 | 15 5 | 15 5 | 15 5 | 15 5 | Wood Deck, Material & thickness | 15 5 | 15 5 | 15 5 | 15 5 | 15 5 | 15 5 |
| " " Floors | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | Second Deck Stringer Plate, br'dth & thickness | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 |
| " " Brackets at intermdt. frmg., wdth & thkns | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | " Angles on ditto, No. | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 |
| " " Height of Outside Brackets above at bilge | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | " Tie Plates outside Hatchways | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 |
| INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake | 38 4 1/4 | 38 4 1/4 | 38 4 1/4 | 38 4 1/4 | 38 4 1/4 | 38 4 1/4 | " Deck * Iron or Steel, for length | 38 4 1/4 | 38 4 1/4 | 38 4 1/4 | 38 4 1/4 | 38 4 1/4 | 38 4 1/4 |
| " " in Engine and Boiler space | 44 1/2 | 44 1/2 | 44 1/2 | 44 1/2 | 44 1/2 | 44 1/2 | " Wood Deck. Material & thickness | 44 1/2 | 44 1/2 | 44 1/2 | 44 1/2 | 44 1/2 | 44 1/2 |
| " " Remainder in Holds | 39 F | 39 F | 39 F | 39 F | 39 F | 39 F | Third Deck Stringer Plate, br'dth & thickness | 39 F | 39 F | 39 F | 39 F | 39 F | 39 F |
| BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 | " Angles on ditto, No. | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 |
| " " In way of Long Bridge | 30 | 30 | 30 | 30 | 30 | 30 | " Tie Plates, outside Hatchways | 30 | 30 | 30 | 30 | 30 | 30 |
| " " Spacing | 30 | 30 | 30 | 30 | 30 | 30 | " Deck * Material and thickness | 30 | 30 | 30 | 30 | 30 | 30 |
| BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | Fourth and Fifth Deck Stringer Plate, breadth & thickness | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 |
| " " Spacing | 30 | 30 | 30 | 30 | 30 | 30 | " Angles on ditto, No. | 30 | 30 | 30 | 30 | 30 | 30 |
| BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | " Tie Plates outside Hatchways | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 |
| " " Angles on upper edge | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | " Deck. Material & thickness | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 |
| " " Spacing | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | Poop Deck Stringer Plate, breadth & thickness | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 | 48 3/4 |
| BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | " Angle on ditto | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 | 7 x 3 1/2 x 3 1/2 x 45 |
| " " Angles on upper edge | 60 | 60 | 60 | 60 | 60 | 60 | " Tie Plates | 60 | 60 | 60 | 60 | 60 | 60 |
| " " Spacing | 60 | 60 | 60 | 60 | 60 | 60 | " Deck. Material and thickness | 60 | 60 | 60 | 60 | 60 | 60 |
| BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 | Bridge Deck Stringer Plate, br'dth & thickness | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 | 6 x 3 1/2 x 3 1/2 x 35 |
| " " Angles on upper edge | 24 | 24 | 24 | 24 | 24 | 24 | " Angle on ditto | 24 | 24 | 24 | 24 | 24 | 24 |
| " " Spacing | 24 | 24 | 24 | 24 | 24 | 24 | " Tie Plates | 24 | 24 | 24 | 24 | 24 | 24 |
| " " Deck. Material and thickness | 24 | 24 | 24 | 24 | 24 | 24 | " Deck. Material and thickness | 24 | 24 | 24 | 24 | 24 | 24 |

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 80 ft., R.Q.D. ft., Bridge 25 ft., Forecastle 38.5 ft.
(in feet and tenths). When the Poop is joined to the R.D., this should be distinctly stated Submarine signal and wireless fitted.

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) 1 Dk. (steel), Cantilever frame, top side Funks.
Official No. 210837; Signal Letters L.C.R.T. State if Machinery is fitted aft. Machinery aft.
How are the surfaces preserved from oxidation? Inside Cement, paint, and bitumastol in holds 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. | | | Fore peak tank, | | 286 |
| Double bottom, under Engines and Boilers, aft. | 55.83 | 122 | After peak tank, | | 62 |
| Double bottom, if under Engines only, | | | Deep tank, aft. | 166.3 | 505 |
| Double bottom, if under Boilers only, | | | Deep tank, forward. | | 223 |
| Double bottom, forward, | 189.83 | 698 | Other tanks, if fitted. | | 182 |
| Total capacity of double bottom | | 820 | Top side Funks | | |
| | | | Inside Funks | | |
| | | | Coffer dam | | |

* 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 all tanks tested according to Rules.

Order for Special Survey No.

Date 7th May 1912

No. 208 in builder's yard.

DATES OF SURVEYS held while building

April 8. May 2. 28. June 12. 18. July 3. 8. 16. 17. 23. 28. 30. Aug. 2. 3. 6. 13. 15. 20. 21. 22. 26. 29. Sept. 3. 5. 10. 11. 12. 18. 19. 23. 27. Oct. 1. 3. 4. 7. 9. 10. 16. 18. 24. 22. 23. 25. 26. 31. Nov. 18. 20. 29. Dec. 9. 13. 16. January 9. February 18. 1913.

Total No. of Visits 53

Surveyor's Signature

Blairmont Thompson

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