

## STEEL STEAMER or MOTORSHIP.

Received at London Office 13 SEP 1928

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

10<sup>th</sup> September 1928

Port of

Lith

No.

17448

Survey held at

Lith

Date First Survey

14 May 1928

Last Survey

3<sup>rd</sup> September 1928

1928

On the

(State if Machinery fitted Aft and if Single, Twin or Triple Screw)

S.S. Tug "MUDA"

State Type

(Full scantling, Complete Superstructure with or without Tonnage Openings)

State Type of Erections

TONNAGE under Tonnage Deck

77.69

CLASS

TAI for HARBOUR TOWING SERVICES

State if with freeboard as condition of Class

FEET.

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

L 76.04

Breadth (greatest moulded)

B 18.00

Total

77.69

Gross Tonnage

82.17

Register Tonnage

N/A

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 9.00

1st Longitudinal Number (L x D)

= 690

2nd Numeral L x (B + D)

= 2070

Framing Depth "d," at middle of length. See Sec. 3 (1d)

8.52

Proportions—Depth to Length—Uppermost continuous deck to top of keel

8.00

Do. Long Bridge to top of keel

Draught Moulded

(to top of Bar Keel) 7'-11 1/4"

Built at

Lith

Launched

8 August 1928

Yard No. 109

Builders

Messrs Henry Robt &amp; Co

Owners

Biero Boating Co &amp; Co

Managers

(Where necessary to be entered in Reg. Book.)

Residence

3 Eyre Church St. London

Port of Registry

London

If surveyed while building, afloat, or in dry dock

while building

## REGISTERED DIMENSIONS.

FEET.

Length

77.0

Breadth

18.1

Depth

8.35

## FRAMES, DOUBLE BOTTOM AND BEAMS.

|   | INCHES IN SHIP. | Any Departure from Approved Plans to be Noted. |  | INCHES IN SHIP. | Any Departure from Approved Plans to be Noted. |
|---|-----------------|--|--|-----------------|--|
| <b>FRAMES, Spacing amidships</b>  | 20              |  | <b>Bracket Floors, Frame</b>   |                 |  |
| " " from 1/2 length to Collision bulkhead   | 18              |  | " " Reversed Frame   |                 |  |
| " " in peaks  | 15              |  | " " Vertical Struts  |                 |  |
| <b>SIDE FRAMING.</b>  |                 |  | <b>Centre Girder, depth and thickness amidships</b>  |                 |  |
| Frame Amidships, Angle, $\frac{1}{2}$ or $\frac{1}{4}$  | 3 2 1/2 24      |  | " " top Angles   |                 |  |
| " " Extends up to   | down            |  | " " bottom Angles  |                 |  |
| <b>Reversed Frame Amidships, Angle</b>  |                 |  | <b>Side Girders, No. each side and thickness</b>   |                 |  |
| " " Extends up to   | 3 1/2           |  | <b>Margin Plate</b> depth (excl. of flange) and thickness  |                 |  |
| <b>Depth of Framing Girder</b>  | 3 1/2           |  | " " Vertical Angle to Tank side  |                 |  |
| <b>Frames in Uppermost Continuous 'tween Decks, Angle, <math>\frac{1}{2}</math> or <math>\frac{1}{4}</math></b> |                 |  | " " Bracket abaft 1/2 len. from stem   |                 |  |
| " " Second 'tween Decks, Angle, $\frac{1}{2}$ or $\frac{1}{4}$  |                 |  | " " Vertical Angle to Tank side  |                 |  |
| " " Third 'tween Decks, Angle, $\frac{1}{2}$ or $\frac{1}{4}$   | 3 2 1/2 25      |  | " " Bracket forward 1/2 len. from stem   |                 |  |
| <b>Framing in Peaks, Angle, <math>\frac{1}{2}</math> or <math>\frac{1}{4}</math></b>                            | 3 2 1/2 24      |  | " " Gussets, spacing and scantling abaft 1/2 len. from stem  |                 |  |
| <b>Diameter and Spacing of Rivets through Frame and Shell Plating, amidships</b>                                | 1/8 7 dia       |  | " " Gussets, spacing and scantling forward 1/2 len. from stem  |                 |  |
| <b>State if Frame Joggled</b>   | yes             |  | <b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>  |                 |  |
| <b>PANTING ARRANGEMENTS (Sec. 7), state system and particulars</b>  | yes             |  | <b>INNER BOTTOM PLATING.</b>   |                 |  |
| <b>STRENGTHENING OF BOTTOM FORWARD. State Particulars</b>   | yes             |  | Breadth and thickness of Middle Line Strake  |                 |  |
| <b>SINGLE BOTTOM.</b>   |                 |  | Thickness of remainder in Holds  |                 |  |
| Floors, Depth and thickness at mid-line in Holds  | 12 22           |  | 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? |                 |  |
| Height of Brackets at side above base line at toe of frame  | yes             |  | <b>BEAMS.</b>  |                 |  |
| <b>Middle Line Keelson, on Floors, Angles, <math>\frac{1}{2}</math> or <math>\frac{1}{4}</math></b>             | 3 2 1/2 28      |  | Uppermost Continuous Deck, amidships in way of E & B   | 3 2 1/2 30      |  |
| " " Through Plate or Intercoastal Plate   | 36 OS           |  | " " in way of Bridge, Angle, $\frac{1}{2}$ or $\frac{1}{4}$  | yes             |  |
| " " Foundation Plate on Floors  | 34 OS           |  | Spacing  | 20              |  |
| " " Flat Plate Keel Angles  | one             |  | <b>Second Deck, amidships, Angle, <math>\frac{1}{2}</math> or <math>\frac{1}{4}</math></b>   |                 |  |
| <b>Side Keelsons, No. each side</b>   | one             |  | Spacing  |                 |  |
| " " thickness of Intercoastal Plate   | yes             |  | <b>Third Deck, amidships, Angle, <math>\frac{1}{2}</math> or <math>\frac{1}{4}</math></b>  |                 |  |
| " " Angles  | 4 3 30          |  | Spacing  |                 |  |
| <b>DOUBLE BOTTOM.</b>   |                 |  | <b>Fourth Deck, amidships, Angle, <math>\frac{1}{2}</math> or <math>\frac{1}{4}</math></b>   |                 |  |
| Solid Floors, thickness and spacing   |                 |  | Spacing  |                 |  |
| " " Are Frame and Reversed Frame joggled?   | yes             |  | <b>Poop Deck, Angle, <math>\frac{1}{2}</math> or <math>\frac{1}{4}</math></b>  |                 |  |
| <b>Bracket Floors, breadth and thickness at middle line</b>   |                 |  | Spacing  |                 |  |
| " " breadth and thickness at margin plate   |                 |  | <b>Bridge Deck, Angle, <math>\frac{1}{2}</math> or <math>\frac{1}{4}</math></b>  |                 |  |
|   |                 |  | Spacing  |                 |  |
|   |                 |  | <b>Forecastle Deck, Angle, <math>\frac{1}{2}</math> or <math>\frac{1}{4}</math></b>  |                 |  |
|   |                 |  | Spacing  |                 |  |



# PILLARS AND DECKS.

|   |  | INCHES IN SHIP. |  | Any Departure from Approved Plans to be Noted. |  |  |  | INCHES IN SHIP. |  | Any Departure from Approved Plans to be Noted. |  |
|---|--|-----------------|--|--|--|--|--|-----------------|--|--|--|
| <b>PILLARS, No. of Rows...</b>                              |  | one 2 1/4" dia  |  | 3 dia in centre line for cabin                 |  |  |  |                 |  |  |  |
| in 'tween Decks, Size and Spacing.....                      |  |                 |  |  |  |  |  |                 |  |  |  |
| in Holds  |  |                 |  |  |  |  |  |                 |  |  |  |
| <b>Centre Line Bulkhead.</b>                                |  |                 |  |  |  |  |  |                 |  |  |  |
| Stiffeners and Spacing.....                                 |  |                 |  |  |  |  |  |                 |  |  |  |
| Plating, thickness of .....                                 |  |                 |  |  |  |  |  |                 |  |  |  |
| <b>STRINGERS AND DECKS.</b>                                 |  |                 |  |  |  |  |  |                 |  |  |  |
| <b>Uppermost Continuous Deck.</b>                           |  |                 |  |  |  |  |  |                 |  |  |  |
| Stringer Plate, breadth and thickness in Wells              |  | 23" 32"         |  | 28" 30"  |  |  |  |                 |  |  |  |
| in way of Bridge  |  |                 |  |  |  |  |  |                 |  |  |  |
| Angle in Wells  |  | 2 1/2" 2 1/2"   |  | 28"  |  |  |  |                 |  |  |  |
| Thickness of Plating abreast Deck openings in way of Wells  |  |                 |  | 18 7/8"  |  |  |  |                 |  |  |  |
| Thickness of Plating abreast Deck openings in way of Bridge |  |                 |  | 25"  |  |  |  |                 |  |  |  |
| Thickness of Plating within line of openings...             |  |                 |  |  |  |  |  |                 |  |  |  |
| If Sheathed, material and thickness .....                   |  | 2" Teak         |  |  |  |  |  |                 |  |  |  |
| <b>Second Deck.</b>   |  |                 |  |  |  |  |  |                 |  |  |  |
| Stringer Plate, breadth and thickness in Wells...           |  |                 |  |  |  |  |  |                 |  |  |  |
| Stringer Plate, breadth and thickness in way of Bridge      |  |                 |  |  |  |  |  |                 |  |  |  |
| Thickness of Plating abreast Deck openings in way of Wells  |  |                 |  |  |  |  |  |                 |  |  |  |
| Thickness of Plating abreast Deck openings in way of Bridge |  |                 |  |  |  |  |  |                 |  |  |  |
| Thickness of Plating within line of openings...             |  |                 |  |  |  |  |  |                 |  |  |  |
| If Sheathed, material and thickness .....                   |  |                 |  |  |  |  |  |                 |  |  |  |
| <b>Third Deck.</b>  |  |                 |  |  |  |  |  |                 |  |  |  |
| Stringer Plate, breadth and thickness.....                  |  |                 |  |  |  |  |  |                 |  |  |  |
| If Plated, state thickness.....                             |  |                 |  |  |  |  |  |                 |  |  |  |
| <b>Fourth Deck.</b>   |  |                 |  |  |  |  |  |                 |  |  |  |
| Stringer Plate, breadth and thickness.....                  |  |                 |  |  |  |  |  |                 |  |  |  |
| If Plated, state thickness .....                            |  |                 |  |  |  |  |  |                 |  |  |  |
| <b>Poop Deck.</b>   |  |                 |  |  |  |  |  |                 |  |  |  |
| Stringer Plate, breadth and thickness .....                 |  |                 |  |  |  |  |  |                 |  |  |  |
| Plating, Sheathing, material and thickness .....            |  |                 |  |  |  |  |  |                 |  |  |  |
| <b>Bridge Deck.</b>   |  |                 |  |  |  |  |  |                 |  |  |  |
| Stringer Plate, breadth and thickness.....                  |  |                 |  |  |  |  |  |                 |  |  |  |
| Plating, Sheathing, material and thickness .....            |  |                 |  |  |  |  |  |                 |  |  |  |
| <b>Forecastle Deck.</b>                                     |  |                 |  |  |  |  |  |                 |  |  |  |
| Stringer Plate, breadth and thickness .....                 |  |                 |  |  |  |  |  |                 |  |  |  |
| Plating, Sheathing, material and thickness .....            |  |                 |  |  |  |  |  |                 |  |  |  |

## SHELL PLATING.

| SCANTLINGS.                         |               |            |            |            | RIVETING.                                      |                   |         |                        |         |                    |                     |          |                    |
|-------------------------------------|---------------|------------|------------|------------|--|-------------------|---------|------------------------|---------|--------------------|---------------------|----------|--------------------|
| STRAKES.                            | AS IN VESSEL. |            |            |            | ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED. | EDGES.            |         | BUTTS.                 |         |                    |                     |          |                    |
|                                     | AMIDSHIPS.    |            | FORWARD.   | AFT.       |  | SINGLE OR DOUBLE. | RIVETS. | NO. OF ROWS OF RIVETS. | RIVETS. |                    | STRAPPED OR LAPPED. |          |                    |
|                                     | Breadth.      | Thickness. | Thickness. | Thickness. |  |                   |         |                        | Diam.   | Spacing cr. to cr. |                     | Diam.    | Spacing cr. to cr. |
| Garboard                            | 32            | 28         | 25         | 25         |  | Single            | 5/8     | 4                      | Double  | 5/8                | 3 1/2               | Strapped |                    |
| FLAT PLATE KEEL                     |               |            |            |            |  | Single            | 5/8     | 4                      | Double  | 5/8                | 3 1/2               | Lapped   |                    |
| DBLG. (if any)                      |               |            |            |            |  |                   |         |                        |         |                    |                     |          |                    |
| BOTTOM PLATING, No. of Strakes      | 48            | 25         | 25         | 25         |  | Single            | 5/8     | 4                      | Double  | 5/8                | 3 1/2               | Lapped   |                    |
| BILGE PLATING, No. of Strakes       | 53            | 25         | "          | "          |  | "                 | "       | "                      | "       | "                  | "                   | "        |                    |
| SIDE PLATING, No. of Strakes        | 36            | 25         | "          | "          |  | "                 | "       | "                      | "       | "                  | "                   | "        |                    |
| UPPER DECK, Sheer-strake in Wells   | 36            | 30         | "          | "          |  | "                 | "       | "                      | "       | "                  | "                   | "        |                    |
| UPPER DECK, Sheer-strake in Bridge  |               |            |            |            |  |                   |         |                        |         |                    |                     |          |                    |
| STRAKE BELOW Sheer-strake in Wells  |               |            |            |            |  |                   |         |                        |         |                    |                     |          |                    |
| STRAKE BELOW Sheer-strake in Bridge |               |            |            |            |  |                   |         |                        |         |                    |                     |          |                    |
| POOP SIDE PLATING                   |               |            |            |            |  |                   |         |                        |         |                    |                     |          |                    |
| BRIDGE SIDE PLATING                 |               |            |            |            |  |                   |         |                        |         |                    |                     |          |                    |
| FORECASTLE SIDE PLATING             |               |            |            |            |  |                   |         |                        |         |                    |                     |          |                    |

## WATERTIGHT BULKHEADS.

|  |   |
|--|---|
| <b>Total No. of W.T. BULKHEADS in Vessel</b> | 4 |
| Extending to Upper Deck (Sec. 3 c)           | ✓ |
| Deck next below                              | ✓ |
| As per Rule                                  | 4 |

## STIFFENERS.

|  | Plating Thickness. | STIFFENERS. |          |             |          |
|--|--------------------|-------------|----------|-------------|----------|
|  |                    | VERTICAL.   |          | HORIZONTAL. |          |
|  |                    | Scantlings. | Spacing. | Scantlings. | Spacing. |
| <b>MIDSHIP BULKHEAD, Upper tween decks</b> |                    |             |          |             |          |
| " Second                                   | ✓                  |             |          |             |          |
| " Third                                    | 34                 | 25          | 4 1/2    | 30          | 30       |
| " Holds                                    | 30                 | -           | -        | -           | -        |
| <b>COLLISION</b> (in Hold)                 | 30                 | 25          | 3 1/2    | 30          | 20       |
| <b>AFTER PEAK</b>                          | 35                 | 25          | 3 1/2    | 28          | 24       |

## FORGINGS and CASTINGS.

|   | Casting or Forging. | Scantlings.         | Maker's Name. | Any departure from approved plans to be noted. |
|---|---------------------|---------------------|---------------|--|
| <b>KEEL, Bar</b>  | Roller steel        | 5x1                 | SS Foster     | ✓  |
| <b>STEM</b>   | "                   | 5x1                 | "             | ✓  |
| <b>STERN FRAME</b>  | Propeller Post      | 5x2                 | Fargo         | ✓  |
|   | Rudder              | 5x2                 | "             | ✓  |
| <b>RUDDER—A x D</b>                                       |                     | 38x7                |               | ✓  |
| <b>Speed of Vessel</b>                                    |                     | 9 knots             |               | ✓  |
| <b>RUDDER</b> mainpiece at head                           |                     | 3 3/4" dia          |               | ✓  |
| " " heel  |                     | 3" dia              |               | ✓  |
| " how constructed   |                     | post 5 arms + plate |               | ✓  |
| " double or single plate coupling, vertical or horizontal |                     | single 32           |               | ✓  |

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

Steel Coy of Scotland Ltd

Has the Steel been tested as required by the Rules?

yes



[illegible]

**GENERAL DECLARATION.** It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been built in accordance with the approved Plans, and in general conformity with the Rules. The materials & workmanship are good. The foreboard has been cut on wooden chocks fitted below the belting, and riveted. The Beam tanks, scather dums, and bulkheads have all been tested as per Rule requirements & found satisfactory. The hull plating to Stem Frame is as per Rule thickness. The vessel has been prepared for the voyage to Beirut (in accordance with the General Arrangement Plan as approved), and found satisfactory.

The following plans are forwarded herewith:— Midship Section, Profile & Deck, W.T. Bulkheads, Engine Seat Plan, General Arrangement, and two Reports on forgings. Also Pumping Arrangement.

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

Committee's Minute  
Character assigned

TUE. 18 SEP 1928

+ A1 For Harbour Towing Services

Lloyd's avcr + L.M.C. 9.28

Mise ftk  
~~m+~~  
~~Slo~~

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