

STEEL STEAMER MOTORSHIP.

Received at London Office 3 MAY 1928

State if Report has been sent on the Freeboard of the Vessel *No*State if Report is sent on the Machinery of the Vessel *Yes*

Date of completion of report

Port of *Glasgow*No. *47941*Survey held at *Glasgow*Date First Survey *9.5.27*Last Survey *26 April*

1928

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Single Screw Motor Vessel**ELSA*

(Machinery aft)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full Scantling*State Type of Erections *Pop, Bridge etc*TONNAGE under Tonnage Deck... *4795.38*CLASS *+100 A1*

State if with freeboard as condition of Class

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

Total

Gross Tonnage *5381.05*Register Tonnage *3176.92*

REGISTERED DIMENSIONS.

FEET.

Length *389*Breadth *52.75*Depth *30.7*

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

FEET.

L *388.0*

Breadth (greatest moulded)

B *52.5*

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

D *30.5*1st Longitudinal Number (L x D) = *11834*2nd Numeral L x (B + D) = *32204*

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

19.02

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

12.72

Do. Long Bridge to top of keel

Draught Moulded *24-11/8*Built at *Glasgow*Launched *14 March 1928* Yard No. *619*Builders *Barkby Cule & Co*Owners *AKTIESELSKAPET OLJEFART II.*

Managers

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

Residence

Port of Registry *Oslo*

If surveyed while building, afloat, in dry dock

Yes

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. |
|---|--|--|--|-------------------------------------|--|
| FRAMES, Spacing amidships | <i>Longitudinal Framing</i> | | Bracket Floors, Frame | | |
| " " from $\frac{1}{2}$ length to Collision bulkhead | <i>27</i> | <input checked="" type="checkbox"/> | " " Reversed Frame | | |
| " " in peaks | <i>24</i> | <input checked="" type="checkbox"/> | " " Vertical Struts | | |
| DE FRAMING. | | | Centre Girder, depth and thickness amidships | <i>60</i> | <i>x .50</i> |
| Frame Amidships, Angle, [or] | <input checked="" type="checkbox"/> | | " " top Angles | <i>3 1/2</i> | <i>3 1/2 .50</i> |
| " " Extends up to | <input checked="" type="checkbox"/> | | " " bottom Angles | <i>4</i> | <i>4 .56</i> |
| Reversed Frame Amidships, Angle | <input checked="" type="checkbox"/> | | Side Girders, No. each side and thickness | <i>200</i> | <i>@ .46</i> |
| " " Extends up to | <input checked="" type="checkbox"/> | | Margin Plate <i>depth</i> (excl. of flange) and thickness | <i>60</i> | <i>x .75</i> |
| Depth of Framing Girder | <input checked="" type="checkbox"/> | | " " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem | | <input checked="" type="checkbox"/> |
| Frames in Uppermost Continuous 'tween Decks, Angle, [or] | <input checked="" type="checkbox"/> | | " " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem | | <input checked="" type="checkbox"/> |
| " " Second 'tween Decks, Angle, [or] | <input checked="" type="checkbox"/> | | " " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem | | <input checked="" type="checkbox"/> |
| " " Third | <input checked="" type="checkbox"/> | | " " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem | | <input checked="" type="checkbox"/> |
| Framing in Peaks, Angle or [| <i>7 1/2</i> | <i>3 1/2 .40</i> | Tank Side Brackets, height above base line at toe of Frame and thickness | | <input checked="" type="checkbox"/> |
| Diameter and Spacing of Rivets through <i>Longitudinal Framing</i> | <i>7/8</i> | <i>@ 5/4</i> | INNER BOTTOM PLATING. | | |
| State if Frame Joggled | <i>Yes</i> | | Breadth and thickness of Middle Line Strake | <i>63 1/2</i> | <i>x .75</i> |
| STRENGTHENING ARRANGEMENTS (Sec. 7), state system and particulars | <i>Ships web frames</i> | | Thickness of remainder in Holds | <i>1.25</i> | <i>x .75</i> |
| STRENGTHENING OF BOTTOM FORWARD. State Particulars | <i>Frame doubles as per Plans & 3 Strake Shell 8 thick</i> | | 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? | <i>Yes</i> | <input checked="" type="checkbox"/> |
| DOUBLE BOTTOM. | | | BEAMS. | | |
| Uppermost Continuous Deck, amidships | <input checked="" type="checkbox"/> | | Uppermost Continuous Deck, amidships | <input checked="" type="checkbox"/> | |
| " " in Wells, Angle, [or] | <input checked="" type="checkbox"/> | | " " in way of Bridge, Angle, [or] | <input checked="" type="checkbox"/> | |
| " " Spacing | <input checked="" type="checkbox"/> | | " " Spacing | <input checked="" type="checkbox"/> | |
| Second Deck, amidships, Angle, [or] | <input checked="" type="checkbox"/> | | Second Deck, amidships, Angle, [or] | <input checked="" type="checkbox"/> | |
| " " Spacing | <input checked="" type="checkbox"/> | | " " Spacing | <input checked="" type="checkbox"/> | |
| Third Deck, amidships, Angle, [or] | <input checked="" type="checkbox"/> | | Third Deck, amidships, Angle, [or] | <input checked="" type="checkbox"/> | |
| " " Spacing | <input checked="" type="checkbox"/> | | " " Spacing | <input checked="" type="checkbox"/> | |
| Fourth Deck, amidships, Angle, [or] | <input checked="" type="checkbox"/> | | Fourth Deck, amidships, Angle, [or] | <input checked="" type="checkbox"/> | |
| " " Spacing | <input checked="" type="checkbox"/> | | " " Spacing | <input checked="" type="checkbox"/> | |
| Pop Deck, Angle, [or] | <input checked="" type="checkbox"/> | | Pop Deck, Angle, [or] | <input checked="" type="checkbox"/> | |
| " " Spacing | <input checked="" type="checkbox"/> | | " " Spacing | <input checked="" type="checkbox"/> | |
| Bridge Deck, Angle, [or] | <input checked="" type="checkbox"/> | | Bridge Deck, Angle, [or] | <input checked="" type="checkbox"/> | |
| " " Spacing | <input checked="" type="checkbox"/> | | " " Spacing | <input checked="" type="checkbox"/> | |
| Forecastle Deck, Angle, [or] | <input checked="" type="checkbox"/> | | Forecastle Deck, Angle, [or] | <input checked="" type="checkbox"/> | |
| " " Spacing | <input checked="" type="checkbox"/> | | " " Spacing | <input checked="" type="checkbox"/> | |

Rpt. 1*.

- My. 'Eloa' - PARTICULARS OF LONGITUDINAL FRAMING.

| FRAMING. | AMIDSHIPS. | | | ENDS. | | | AMIDSHIPS. | | | ENDS. | | | RIVETING. | | | |
|--|---------------------|-------|-------|---------------------|-------|-------|--------------------------|-------|-------|--------------------------|-------|-------|--|---|----------------------------------|-----------|
| | In Ship. | | | In Ship. | | | Per Rule or as approved. | | | Per Rule or as approved. | | | Rivets in Longitudinal Frames. Diam. Spacing. | Spacing of Rivets on each side of Transverses and Bulkheads. Inches. | Rivets in Brackets to Bulkheads. | |
| | Inch. | Inch. | Inch. | Inch. | Inch. | Inch. | Inch. | Inch. | Inch. | Inch. | Inch. | Inch. | | | Number. | Diameter. |
| Framing of \angle , \angle or \angle | | | | | | | | | | | | | | | | |
| Frames in Bridge 'tween Decks ... | | | | | | | | | | | | | | | | |
| Frames from Uppermost Continuous Deck | | | | | | | | | | | | | | | | |
| No. 1 | 7 1/2 | 3 1/2 | .40 | 6 | 3 1/2 | .34 | 7 1/2 | 3 1/2 | .40 | 6 | 3 1/2 | .34 | 7/8 | 5 1/4 | 7 | 7/8 |
| " 2 | 7 1/2 | 3 1/2 | .40 | 6 | 3 1/2 | .34 | 7 1/2 | 3 1/2 | .40 | 6 | 3 1/2 | .34 | - | - | - | - |
| " 3 | 7 1/2 | 3 1/2 | .44 | 6 1/2 | 3 1/2 | .34 | 7 1/2 | 3 1/2 | .44 | 6 1/2 | 3 1/2 | .34 | - | - | 8 | 7/8 |
| " 4 | 8 | 3 1/2 | .44 | 7 1/2 | 3 1/2 | .34 | 8 | 3 1/2 | .44 | 7 1/2 | 3 1/2 | .34 | - | - | - | - |
| " 5 | 8 1/2 | 3 1/2 | .42 | 8 | 3 1/2 | .38 | 8 1/2 | 3 1/2 | .42 | 8 | 3 1/2 | .38 | - | - | 9 | 7/8 |
| " 6 | 9 | 3 1/2 | .41 | 8 1/2 | 3 1/2 | .42 | 9 | 3 1/2 | .41 | 8 1/2 | 3 1/2 | .42 | - | - | - | - |
| " 7 | 9 | 3 1/2 | .48 | 9 | 3 1/2 | .4 | 9 | 3 1/2 | .48 | 9 | 3 1/2 | .4 | - | - | - | - |
| " 8 | 9 1/2 | 3 1/2 | .42 | 9 1/2 | 3 1/2 | .44 | 9 1/2 | 3 1/2 | .42 | 9 1/2 | 3 1/2 | .44 | - | - | 10 | - |
| " 9 | 9 1/2 | 3 1/2 | .46 | 10 | 3 1/2 | .42 | 9 1/2 | 3 1/2 | .46 | 10 | 3 1/2 | .42 | - | - | - | - |
| " 10 | 10 1/2 | 3 1/2 | .46 | 10 1/2 | 3 1/2 | .42 | 10 1/2 | 3 1/2 | .46 | 10 1/2 | 3 1/2 | .42 | - | - | 18 | - |
| " 11 | 11 x 3 1/2 x 3 1/2 | .43 | | 11 x 3 1/2 x 3 1/2 | .43 | | 11 x 3 1/2 x 3 1/2 | .43 | | 11 x 3 1/2 x 3 1/2 | .43 | | - | - | 14 | - |
| " 12 | 12 x 3 1/2 x 3 1/2 | .40 | | 12 x 3 1/2 x 3 1/2 | .40 | | 12 x 3 1/2 x 3 1/2 | .40 | | 12 x 3 1/2 x 3 1/2 | .40 | | - | - | 22 | - |
| " 13 | 12 x 3 1/2 x 3 1/2 | .43 | | 12 x 3 1/2 x 3 1/2 | .43 | | 12 x 3 1/2 x 3 1/2 | .43 | | 12 x 3 1/2 x 3 1/2 | .43 | | - | - | 12 | - |
| " 14 | 12 x 3 1/2 x 3 1/2 | .47 | | 12 x 3 1/2 x 3 1/2 | .47 | | 12 x 3 1/2 x 3 1/2 | .47 | | 12 x 3 1/2 x 3 1/2 | .47 | | - | - | - | - |
| " 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| " 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| and to 7/16 20 | | | | | | | | | | | | | | | | |
| Amidships | 30" | | | | | | 30" | | | 30" | | | | | | |
| At Ends | | | | | | | | | | | | | | | | |
| Tank Top Longitudinals | | | | | | | | | | | | | | | | |
| Bottom | | | | | | | | | | | | | | | | |
| Longitudinals { Amidships | | | | | | | | | | | | | | | | |
| At Ends... | | | | | | | | | | | | | | | | |
| Transverses. | | | | | | | | | | | | | | | | |
| Depth and Thickness | | | | | | | | | | | | | | | | |
| Face Angles | | | | | | | | | | | | | | | | |
| Lugs to Shell* | | | | | | | | | | | | | | | | |
| Depth and Thickness | 18 | x | .40 | 18 | x | .40 | 18 | x | .40 | 18 | x | .40 | | | | |
| Face Angles | 3 1/2 | 3 1/2 | .41 | 3 1/2 | 3 1/2 | .40 | 3 1/2 | 3 1/2 | .41 | 3 1/2 | 3 1/2 | .40 | | | | |
| Lugs to Shell* | 3 1/2 | 3 1/2 | .40 | 3 1/2 | 3 1/2 | .40 | 3 1/2 | 3 1/2 | .40 | 3 1/2 | 3 1/2 | .40 | 7/8 | 4" | | |
| Depth and Thickness | 29 1/2 | x | .46 | AFT 30 1/2 x .46 | | | 29 1/2 | x | .46 | AFT 30 1/2 x .46 | | | | | | |
| Face Angles | 6 | 3 1/2 | .54 | 6 | 3 1/2 | .42 | 6 | 3 1/2 | .54 | 6 | 3 1/2 | .42 | | | | |
| Lugs to Shell* | 6 | 6 | .46 | 6 | 6 | .46 | 6 | 6 | .46 | 6 | 6 | .46 | 7/8 | 4" | | |
| Brackets | Top .40 Btm .45 | | | Top .40 Btm .45 | | | Top .40 Btm .45 | | | Top .40 Btm .45 | | | | | | |
| Transverse Frames | 10'-0 1/2 and 8'-2" | | | 10'-0 1/2 and 8'-2" | | | 10'-0 1/2 and 8'-2" | | | 10'-0 1/2 and 8'-2" | | | | | | |
| if joggled or liners. | | | | | | | | | | | | | | | | |
| Longitudinal | | | | | | | | | | | | | | | | |
| Bridge Deck ... | | | | | | | | | | | | | | | | |
| Upper | 7 1/2 | 3 | .38 | 7 | 3 | .34 | 7 1/2 | 3 | .38 | 7 | 3 | .34 | 2'-8 3/4 | | | |
| Second | 7 | 3 | .34 | 6 | 3 | .32 | 7 | 3 | .34 | 6 | 3 | .32 | 2'-6" | | | |
| Third | 7 | 3 | .34 | 6 | 3 | .36 | 7 | 3 | .34 | 6 | 3 | .36 | 30" to 24" | | | |
| Transverse Beams. | | | | | | | | | | | | | | | | |
| | 16 1/2 x .40 | | | 16 1/2 x .40 | | | 16 1/2 x .40 | | | 16 1/2 x .40 | | | | | | |
| | 1 1/2 x .40 | | | 1 1/2 x .40 | | | 1 1/2 x .40 | | | 1 1/2 x .40 | | | | | | |
| | 18 1/4 x .40 | | | 18 1/4 x .40 | | | 18 1/4 x .40 | | | 18 1/4 x .40 | | | | | | |

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:—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.

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. |
|---|-----------------|--------|--------|--|-----------------|--|--|--|
| | | | | | | | | |
| PILLARS, No. of Rows..... | | ✓ | | | | | | |
| „ Bridge in 'tween Decks, Size and Spacing..... | 2 3/4 | 60 | 36 1/2 | ✓ | | | | |
| „ „ „ „ „ „ | 2 1/4 | 54 | 34 | ✓ | | | | |
| „ in Hold Poop „ „ | 2 1/2 | 54 | 45 | ✓ | | | | |
| „ „ „ „ „ „ | 8 x 3 1/2 | 36 | 84 | ✓ | | | | |
| Centre Line Bulkhead. (Notes) | | | | | | | | |
| Stiffeners and Spacing..... @ 30" | 9 x 3 1/2 | 32 | 38 | ✓ | | | | |
| Plating, thickness of | .49 | 60 | .40 | ✓ | | | | |
| STRINGERS AND DECKS. | | | | | | | | |
| Uppermost Continuous Deck. | | | | | | | | |
| Stringer Plate, breadth and thickness in Wells | 70 | x | .57 | ✓ | | | | |
| „ „ „ „ in way of Bridge | 70 | x | .67 | ✓ | | | | |
| „ Angle in Wells | 6 | 6 | .60 | ✓ | | | | |
| Thickness of Plating abreast Deck openings in way of Wells | | | .45 | ✓ | | | | |
| Thickness of Plating abreast Deck openings in way of Bridge | | | .57 | ✓ | | | | |
| Thickness of Plating within line of openings... | | | .45 | ✓ | | | | |
| If Sheathed, material and thickness | | | 70 | ✓ | | | | |
| Second Deck. | | | | | | | | |
| Stringer Plate, breadth and thickness in Wells... | 74 1/2 | x | .41 | ✓ | | | | |
| Stringer Plate, breadth and thickness in way of Bridge | | | | ✓ | | | | |
| Thickness of Plating abreast Deck openings in way of Wells | | | .40 | ✓ | | | | |
| Thickness of Plating abreast Deck openings in way of Bridge | | | .40 | ✓ | | | | |
| Thickness of Plating within line of openings... | | | .40 | ✓ | | | | |
| If Sheathed, material and thickness | | | 70 | ✓ | | | | |
| Third Deck. | | | | | | | | |
| Stringer Plate, breadth and thickness..... | | | | ✓ | | | | |
| If Plated, state thickness..... | | | | ✓ | | | | |
| Fourth Deck. | | | | | | | | |
| Stringer Plate, breadth and thickness..... | | | | ✓ | | | | |
| If Plated, state thickness | | | | ✓ | | | | |
| Poop Deck. | | | | | | | | |
| Stringer Plate, breadth and thickness | 58 | x | .33 | ✓ | | | | |
| Plating, Sheathing, material and thickness | .30 | 3" Oak | | ✓ | | | | |
| Bridge Deck. | | | | | | | | |
| Stringer Plate, breadth and thickness..... | 62 | x | .37 | ✓ | | | | |
| Plating, Sheathing, material and thickness | | | .32 | ✓ | | | | |
| Forecastle Deck. | | | | | | | | |
| Stringer Plate, breadth and thickness | | | .34 | ✓ | | | | |
| Plating, Sheathing, material and thickness | | | .34 | ✓ | | | | |

SHELL PLATING.

| SCANTLINGS. | | | | | RIVETING. | | | | | | |
|---|---------------|------------|------------|------------|--|-------------------|-----------|------------------------|---------|-------------------|---------------------|
| STRAKES. | AS IN VESSEL. | | | | ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED. | EDGES. | | BUTTS. | | | |
| | AMIDSHIPS. | | FORWARD. | AFT. | | State if jogged? | | NO. OF ROWS OF RIVETS. | RIVETS. | | STRAPPED OR LAPPED. |
| | Breadth. | Thickness. | Thickness. | Thickness. | | SINGLE OR DOUBLE. | RIVETS. | | Diam. | Spacing or to cr. | |
| FLAT PLATE KEEL | 50 | .88 | .74 | .70 | | Double | 1 4 | Five | 1 | 4 1/2 | Lapped |
| „ DBLG. (if any) | - | ✓ | - | - | | | | | | | |
| BOTTOM PLATING, No. of Strakes | 82 | .58 | .46 | .58 | | Double | 7/8 3 1/2 | Four | 7/8 | 3 1/2 | Lapped |
| BILGE PLATING, No. of Strakes | 64 | .58 | .46 | .58 | | " | " | " | " | " | " |
| SIDE PLATING, No. of Strakes | 70 | .56 | .44 | .44 | | " | " | 1 @ Four | 7/8 | 3 1/2 | " |
| UPPER DECK, Sheer-strake in Wells..... | 2 @ 80 | .56 | .44 | .44 | | " | " | 2 @ Three | " | 3 1/8 | " |
| UPPER DECK, Sheer-strake in Bridge | 73 | .83 | .44 | .44 | | " | 1 4 | Four | 1 | 4 | " |
| STRAKE BELOW Sheer-strake in Wells..... | 73 | .97 | ✓ | ✓ | | " | 1 4 | Five | 1 | 4 1/2 | " |
| STRAKE BELOW Sheer-strake in Bridge | 79 | .56 | .44 | .44 | | " | 7/8 3 1/2 | Three | 7/8 | 3 1/8 | " |
| POOP SIDE PLATING | 79 | .56 | ✓ | ✓ | | " | " | " | " | " | " |
| BRIDGE SIDE PLATING ... | 92 | ✓ | - | .38 | | Single | " | Two | 3/4 | 2 5/8 | " |
| FORECASTLE SIDE PLATING | 85 | .50 | ✓ | ✓ | | " | 1 4 | " | " | " | " |
| | 90 | ✓ | .40 | ✓ | | " | 7/8 3 1/2 | " | " | " | " |

WATERTIGHT BULKHEADS.

Total No. of ~~W.T.~~ BULKHEADS in Vessel—Extending to Upper Deck (Sec. 3 c) *20*„ Deck next below *10*As per Rule *As above.*

STIFFENERS.

| | Plating Thickness. | VERTICAL. | | | | HORIZONTAL. | | | |
|--|--------------------|----------------|---------------|----------------|-----|----------------|----|----------|--|
| | | Scantlings. | | Spacing. | | Scantlings. | | Spacing. | |
| | | | | | | | | | |
| MIDSHIP BULKHEAD, Upper tween decks | .34 | 18 x .41 | One | 3 1/2 x 36 | 32" | 6 x 3 x 36 | | | |
| „ „ Second „ | ✓ | 3 1/2 x .42 | RA 3 1/2 x 36 | 32" | | | | | |
| „ „ Third „ | ✓ | 3 1/2 x .40 | RA 6 1/2 x 36 | 32" | | | | | |
| „ „ Holds | .49 to .38 | | | 9 x 3 1/2 x 36 | 30" | 8 1/2 x 3 x 36 | | | |
| COLLISION „ (in Hold) | .51 - .36 | 7 1/2 x 3 x 34 | 24 | | | 8 x 3 x 35 | 24 | | |
| AFTER PEAK „ „ | .49 - .30 | 6 x 3 x 40 | 24 | | | 6 x 3 x 34 | 30 | | |

FORGINGS and CASTINGS.

| | Casting or Forging. | Scantlings. | Maker's Name. | Any departure from approved plans to be noted. |
|--|---------------------|----------------|---------------|--|
| KEEL, Bar | ✓ | ✓ | ✓ | ✓ |
| STEM | Steel | 9 1/2 x 2 1/2 | Beardmore | ✓ |
| STERN FRAME { Propeller Post | Cast Steel | 10 7/8 x 7 1/2 | Beardmore | ✓ |
| { Rudder „ | | 9 x 7 1/2 | „ | ✓ |
| RUDDER—A x D..... | | 463 | | |
| Speed of Vessel..... | | 10 Knots | | |
| RUDDER mainpiece at head | F.I. Steel | 10 5/8 | Demingston | ✓ |
| „ „ heel | Steel 1 1/2 | 8 1/2 | Foye Co. | ✓ |
| „ how constructed | Single Plate | Shrink arms | | |
| „ double or single plate coupling, vertical or horizontal..... | Single | 1.07 | Horizontal | ✓ |

STEEL.

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

W. Colville & Son Ltd., x 10" Brandmore & Co

Has the Steel been tested as required by the Rules?

Yes.

| EQUIPMENT No. 33745 | | | | | | | | | | | | LETTER y | ANCHORS. | | |
|------------------------|--------------------|--------------------|------|------|------------------|------|------|------------------------|-------|------|------|------------------------------|-----------------------|----------------|---|
| Number of Certificate. | Anchors. | WEIGHT, EX. STOCK. | | | WEIGHT OF STOCK. | | | TEST, PER CERTIFICATE. | | | | WEIGHT REQUIRED BY TABLE 53. | Description of Anchor | Makers. | Where and when tested and Superintendent. |
| | | Cwts. | qrs. | lbs. | Cwts. | qrs. | lbs. | Tons. | cwts. | qrs. | lbs. | Cwts. | | | |
| 89397 | 1st Bower ... | 60 | 1 | 14 | ✓ | | | 48 | 12 | 2 | 0 | 60 | Hankinson Stockless | W. Hingley Son | Netheston 13 th Oct '27 H. Green |
| 89398 | 2nd „ ... | 60 | 1 | 14 | ✓ | | | 48 | 12 | 2 | 0 | 60 | Do | Do | Do 14 th Oct '27 H. Green |
| 89395 | 3rd „ ... | 58 | 0 | 0 | ✓ | | | 47 | 5 | 0 | 0 | 50½ | Do | Do | Do 15 th Oct '27 H. Green |
| | Collective weight. | 178 | 3 | 0 | | | | | | | | 170½ | | | |
| 89372 | Stream | 16 | 1 | 6 | 4 | 1 | 24 | 17 | 14 | 0 | 7 | 16¼ Ex Stock | Ordinary 7.6. Iron | W. Hingley Son | Netheston 14 th Oct '27 H. Green |

| CHAIN CABLES. | | | | | | | | | | | | HAWSERS AND WARPS. | | | | | | | |
|---------------------------------|---------------------------|--------------------------------|--------------------------------|---------------------------------|------------------------|------|------|---------------------------------|-------------------------------|--------------------------------|--------------|--------------------|--|-------------------------------|---------------------------|-------------------------------|--------------------------------|-------------------------------|-------------------------------|
| Number of Certificate. | Length and size supplied. | | Test per Certificate. | | WEIGHT OF CHAIN CABLE. | | | | Length and Size per Table 53. | | Description. | Makers of Cables. | Where and when tested, and Superintendent. | Material. | Length and Size supplied. | | Breaking Test of Steel Wire. | Length and Size per Table 53. | |
| | Length. | Diam. | Statutory. | Breaking. | Supplied. | | | Per Rule. | Length. | Diam. | | | | | Length. | Cir. | | Length. | Cir. |
| | Fathoms. | Ins. | Tons. | Tons. | Cwts. | qrs. | lbs. | Cwts. | Fathoms. | Ins. | | | | | Fathoms. | Ins. | Tons. | Fathoms. | Ins. |
| 84082 | 135 | 2 ³ / ₁₆ | 86 ¹ / ₈ | 120 ¹ / ₂ | 326 | - | 2-0 | 645 ³ / ₄ | 135 | 2 ³ / ₁₆ | Steel | W. Hingley Son | Netheston 6 th Oct '27 H. Green | TOWLINE... HAWSERS & WARPS | 120 | 4 ³ / ₄ | 47 | 120 | 4 ³ / ₄ |
| 84079 | 135 | 2 ³ / ₁₆ | 86 ¹ / ₈ | 120 ¹ / ₂ | 324 | - | 0-14 | | 135 | 2 ³ / ₁₆ | Do | Do | Do 30 th Sept '27 H. Green | | 2090 | 2 ³ / ₄ | 15 ¹ / ₂ | 2090 | 2 ³ / ₄ |
| | | Oir. | | | | | | | | Oir. | | | | " | 2090 | 2 ¹ / ₂ | 12 ¹ / ₂ | 2090 | 2 ¹ / ₂ |
| Iron Stream Chain as Steel Wire | 90 | 4 ³ / ₄ | | 47 | | | | | 90 | 4 ³ / ₄ | | | | " | | | | | |
| | | | | | | | | | | | | | | " | | | | | |

Steering Gear, Steam *Electric Hydraulic by Harte* Steering Gear, Hand *Good*

Boats *2 Lifeboats 26'0" x 8'0" x 3'3"* Steering Chains, Size and Test *None* Windlass *by Hayfield & Co. Good*

Ceiling in Holds, thickness and material *None* Cargo Battens, thickness, material and spacing *None*

Cargo Hatchways.—(Upper Deck) *Steel plate and angle* Thickness of Hatches *3"*

Size of No. 1 Hatchway (Forward) *11'3" x 12'0"* No. 2 ☒ No. 3 ☒ No. 4 ☒ No. 5 ☒ No. 6 ☐

Number of Shifting Beams and/or Fore and Afters *one* *Remainder of Hatch 6'0" x 4'0" oil tight*

Builder's Signature *H. S. Cruik*

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *Yes* (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *Oil Tanker* 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 the Secretary letters of various dates and in conformity with the Society's rules for the Class contemplated. The materials and workmanship are good.

The bulkheads, decks, double bottom, planks, oil cargo tanks, oil fuel bunkers and Cofferdams have been tested in accordance with rule requirements.

The steering gear and windlass tried with satisfactory results.

Oil fuel F.P. above 150° is carried in 7 ord deep tanks and double bottom aft.

The approved plans as notes on back of report are forwarded herewith.

The amount of Entry Fee £ *9 : 0 : 0* Fees applied for, *7.5. 1928.*

Special Survey Fee.... £ *501 : 15 : 9* Received by me, *30.5. 1928.*

Travelling Expenses, if any £ *✓* : : *Yes.*

State whether the Vessel has been built under Special Survey *Yes.*

Certificate to be sent to *Glasgow* Date of issue *7/6/28*

I am of opinion the Vessel should be Classed *+100A1*

Carrying Petroleum in Bulk.

Longitudinal Framing.

Fitted for oil fuel.

Signature *Norman Dobson*

Surveyor to Lloyd's Register of Shipping.

Committee's Minute *GLASGOW 8 - MAY 1928 ✓*

Character assigned *+100A1*

Carrying Petroleum in bulk

H, 28.

Lloyd's A.R.C.P.

+L.M.C. H, 28.

Longitudinal Framing.

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



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Lloyd's Register Foundation

W273 - 0085

(3/3)

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

- List of Plans herewith -

- ✓ Midship Section (As built)
- ✓ Midship Section
- ✓ Profile
- ✓ Rudder & Stern Frame.
- ✓ Upper Deck Plating.
- ✓ Main Deck Plating
- ✓ After end Framing and Transverse.
- ✓ Construction of Forward end.
- ✓ Midship Bulkhead.
- ✓ Bracket Plan
- ✓ Poop, Bridge & Fore Deck.
- ✓ After Peak Bulkhead.
- ✓ Raised Expansion Tank.
- ✓ Detail of brackets at end of Tank.
- ✓ Rotterdam Bulkheads.
- ✓ Section two Machinery Spaces (Casings)
- ✓ Forward Pumping Arrangements.
- ✓ Cargo Pumping Arrangement (1)
- ✓ Do Do. (11)
- ✓ Break at Main Dk.
- ✓ Scarping Arrangement of Centre Line Bhs.
- ✓ Spkr Rigger
- Forging and Casting Certificate for Stern Frame, Tiller, & Rudder.

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

| | | | | |
|-----------|-------------|------|-------|-----------------------------|
| 1st Bower | 38 - 1 - 25 | M.B. | 3171. | 29 th June 1927. |
| 2nd " | 38 - 2 - 24 | M.B. | 3125 | 13 th May 1927. |
| 3rd " | 36 - 0 - 26 | M.B. | 3173 | 14 th July 1927. |

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 85 ft., R.Q.D. ✓ ft., Bridge 27 ft., Forecastle 44.75 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 2 Dks. St.

Official No. ✓ ; Signal Letters L.G.P.W. Is bottom of Vessel coated with cement No if not give particulars of composition ✓

PARTICULARS OF WATER BALLAST.—

| Where Fitted. | *Length. Feet. | Water Capacity, Tons. | Where Fitted. | *Length. Feet. | Water Capacity, Tons. |
|---|-------------------|-------------------------------------|--|-------------------|--------------------------|
| Double bottom, aft, | | | Fore peak tank, | 20 | 66 |
| Double bottom, under Engines and Boilers, | | | After peak tank, | 16 | 34 |
| Double bottom, if under Engines only, | 63.5 | 195 | Deep tank, aft, | 24.75 | 380 |
| Double bottom, if under Boilers only, | | | Deep tank, forward, | 15.75 | 160 |
| Double bottom, forward, | | | Other tanks, if fitted, | | |
| | | Total capacity of double bottom 195 | (If necessary, furnish further information by sketch.) | | |

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

Order for Special Survey No. 5801

Date 29.12.26

Dates of Surveys held while building

1927 May 9. 18. 16. 19. 20. 25 June 13. 7. 27. 29 July 25 Aug 4. 8. 10. 12. 15. 17. 19. 24 Sep 6. 12. 13. 16 Oct 12. 17. 27
Nov 3. 9. 14. 18. 21. 28. 29 Dec 2. 7. 8. 19. 22. 29 (1928) Jan 6. 26. 30 Feb 2. 3. 8. 10. 21. 22. 23. 25. 28. 29 Mar 1. 2. 5. 6. 7
10. 12. 30 Apr 13. 17. 18. 25. 26

Total No. of Visits 69