

## N/N "MUNSTERLAND"

STEEL STEAMER OR MOTORSHIP

DEC 1950

RECEIVED DISCLOSED

DISCLOSED London Office

4 DEC 1950

SECTION

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

SECTION

No. 824C

No. 24249

Date of completion of report

10<sup>TH</sup> NOVEMBER 1950

Port of GREENOCK

Survey held at PORT GLASGOW &amp; GLASGOW

Date First Survey 25<sup>TH</sup> AUGUST 1949Last Survey 26<sup>TH</sup> OCTOBER 1950

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

SINGLE SCREW TANKER "POWELL"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

FULL SCANTLING

State Type of Erections Pop. BRIDGE F.C.E.

TONNAGE under Tonnage Deck ...

10134.34

CLASS \*100 A1

State if with freeboard as condition of Class

No

Built at PORT GLASGOW

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 510

Launched JUNE 19<sup>TH</sup> 1950 Yard No. 1046

Total

Breadth (greatest moulded)

B 70

Builders LITHGOWS LIMITED

Gross Tonnage

11707.74

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

D 37.16

Owners HECTOR TANKERS LTD

Register Tonnage

6626.96

1st Longitudinal Number (L x D)

18952

Managers

(Where necessary to be entered in Reg. Book)

REGISTERED DIMENSIONS.

FEET

522.5

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

✓

Residence LONDON

h

70.35

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

13.72

Port of Registry LONDON

37.35

Do. Long Bridge to op of keel

✓

If surveyed while building, afloat, or in dry dock

Draught Moulded

29'-8"

BUILDING A FLOAT &amp; IN DRY DOCK AT GLASGOW

VESSEL UNDOCKED ON OCT 16<sup>TH</sup> 1950

## 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   | 32  | ✓  | Bracket Floors, Frame  |                              |  |
| IN ENGINE ROOM  | 30  | ✓  | Reversed Frame   |                              |  |
| from 1 length amidships to Collision bulkhead   | 18  | ✓  | Vertical Struts  |                              |  |
| IN DEEP TANK  | 18  | ✓  | Centre Girder, depth and thickness amidships   | 69 x .50                     | ✓  |
| in peaks  | 24  | ✓  | top Angles   | WELDED                       | ✓  |
| FORWARD AFT   | 24  | ✓  | bottom Angles  |                              |  |
| DE FRAMING.   |   |  | Side Girders, No. each side and thickness  | 2 @ 70 THICK                 | ✓  |
| Frame Amidships, Angle, E or F  | 10 3/2 40                                     | ✓  | Margin Plate depth (excl. of flange) and thickness   |                              |  |
| Extends up to   | UPPER DK. WITH 2 STRINGERS                    | ✓  | Vertical Angle to Tank side  |                              |  |
| Reversed Frame Amidships, Angle   | 27 40 18                                      | ✓  | Bracket abaft 1/2 len. from stem   | TANK                         | ✓  |
| Extends up to   | UPPER STRINGER 27 x 38 WITH 6 x 40 FACE PLATE | ✓  | Vertical Angle to Tank side  | TOP                          | ✓  |
| FRAMES IN ENGINE SPACE  | 9 3/2 56                                      | ✓  | Bracket from forward 1/2 len. from stem to Panting Area  | LEVEL                        | ✓  |
| Depth of Framing Girder   | 10  | ✓  | Gussets, spacing and scantling abaft 1/2 len. from stem  |                              |  |
| Frames in DEEP TANK FORWARD   | 10 3/2 46                                     | ✓  | Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area   |                              |  |
| Uppermost Continuous 'tween Decks, Angle, E or F  | 10 3/2 46                                     | ✓  | Tank Side Brackets, height above base line at toe of Frame and thickness   | FRAMES CONTINUOUS            | ✓  |
| FORWARD HOLD  | 10 3/2 46                                     | ✓  | INNER BOTTOM PLATING IN ENGINE SPACE   | 1 1/4 UNDER ENGINES          | ✓  |
| Second 'tween Decks, Angle, E or F  | 9 3/2 50 SPACED 18"                           | ✓  | Breadth and thickness of Middle Line Strake  |                              |  |
| Third   | 9 3/2 48                                      | ✓  | Thickness of remainder in Holds  | .57                          | ✓  |
| from 1/2 len. for'd. to 15% len. from Stem  | 9 3/2 48                                      | ✓  | 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? | YES                          | ✓  |
| in Peaks, Angle or F  | 1" SPACED 5 1/2 DIAS                          | ✓  | BEAMS.   |                              |  |
| Diameter and Spacing of Rivets through Frame and Shell Plating amidships  | YES   | ✓  | Uppermost Continuous Deck, amidships   | LONGITUDINAL SEE PAGE 5      | ✓  |
| State if Frame Joggled  | STRENGTHENED FOR NAVIGATION IN ICE SEE PAGE 4 | ✓  | Walls, Angle, E or F   | WELDED JOE ON                | ✓  |
| Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?          | YES   | ✓  | in way of Bridge, Angle, E or F  | 9 x 4 x 42 WELDED JOE ON     | ✓  |
| Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved? | YES   | ✓  | INWAY OF FOR' HOLD   | 7 x 3 x 37 WELDED JOE ON     | ✓  |
| ANGLE BOTTOM.   |   |  | Spacing  | EVERY FRAME                  | ✓  |
| Floors, Depth and thickness at mid-line in Holds  |   |  | FLAT INWAY OF ENGINE ROOM  |                              |  |
| Height of Brackets at side above base line at toe of frame  |   |  | Second Deck, amidships, Angle, E or F  | 9 3 43                       | ✓  |
| Middle Line Keelson, on Floors, Angles  |   |  | Spacing  | EVERY FRAME                  | ✓  |
| Through Plate or Inter-costal Plate   |   |  | FLAT INWAY OF FOR' HOLD OILTIGHT   |                              |  |
| Foundation Plate on Floors  |   |  | Third Deck, amidships, Angle, E or F   | 6 x 3 x 36 WELDED JOE ON     | ✓  |
| Flat Plate Keel Angles  |   |  | Spacing  | EVERY FRAME (18" APART)      | ✓  |
| Side Keelsons, No. each side  |   |  | Fourth Deck, amidships, Angle, E or F  |                              |  |
| thickness of Inter-costal Plate   |   |  | Spacing  |                              |  |
| Angles  |   |  | Poop Deck, Angle, E or F   | 7 x 3 x 38 .44 WELDED JOE ON | ✓  |
| DOUBLE BOTTOM. IN ENGINE ROOM ONLY.   |   |  | Spacing  | EVERY FRAME                  | ✓  |
| Solid Floors, thickness and spacing   | 50 BETWEEN GIRDERS                            | ✓  | Bridge Deck, Angle, E or F   | LONGITUDINAL SEE PAGE 5      | ✓  |
| Are Frame and Reversed Frame joggled?   | 46 OUTSIDE GIRDERS                            | ✓  | Spacing  | SPACED 33" APART             | ✓  |
| Bracket Floors, breadth and thickness at middle line  | WELDED  | ✓  | Forecastle Deck, Angle, E or F   | 6 x 3 x 38 WELDED JOE ON     | ✓  |
| breadth and thickness at margin plate   |   | ✓  | Spacing  | EVERY FRAME 18" APART        | ✓  |



## 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> .....                                     |                                   |  |                 |  |
| „ in 'tween Decks, Size and Spacing .....                             |                                   |  |                 |  |
| „ „ „ „ „ .....   |                                   |  |                 |  |
| „ in Holds „ „ „ .....  |                                   |  |                 |  |
| „ „ „ „ „ .....   |                                   |  |                 |  |
| <b>Centre Line Bulkhead.</b>  |                                   |  |                 |  |
| Stiffeners and Spacing .....  | ANGLE 8x4x.42                     | WELDED TO DECK                                 |                 |  |
| Plating, thickness of .....   | PLATING .40                       | SPACED 32                                      |                 |  |
|   | BOTTOM STRAKE 96x 52              | WITH 5 STRINGERS.                              |                 |  |
|   |                                   | FITTED WITH WELDED FACE BAR AS APPROVED.       |                 |  |
| <b>STRINGERS AND DECKS.</b>   |                                   |  |                 |  |
| <b>Uppermost Continuous Deck.</b>                                     |                                   |  |                 |  |
| Stringer Plate, breadth and thickness in Wells                        | 87 1/2 x 1.07                     |  |                 |  |
| „ „ „ „ <b>AT ENDS</b> in way of Bridge                               | 1.20                              |  |                 |  |
| „ „ „ „ <b>POOP</b>   |                                   |  |                 |  |
| „ Angle in Wells .....  | No STRINGER ANGLE.                |  |                 |  |
| Thickness of Plating <del>abreast Deck openings</del> in way of Wells | .89                               |  |                 |  |
| Thickness of Plating abreast Deck openings in way of Bridge           | .95                               |  |                 |  |
| Thickness of Plating within line of openings                          | ✓                                 |  |                 |  |
| If Sheathed, material and thickness                                   | ✓                                 |  |                 |  |
| <b>Second Deck. OILTIGHT FLAT FORWARD</b>                             |                                   |  |                 |  |
| Stringer Plate, breadth and thickness in Wells                        | .34                               |  |                 |  |
| Stringer Plate, breadth and thickness in way of Bridge                |                                   |  |                 |  |
| Thickness of Plating abreast Deck openings in way of Bridge           |                                   |  |                 |  |
| Thickness of Plating within line of openings                          |                                   |  |                 |  |
| If Sheathed material and thickness                                    |                                   |  |                 |  |
| <b>FLAT IN ENGINE ROOM.</b>   |                                   |  |                 |  |
| <b>Third Deck.</b>  |                                   |  |                 |  |
| Stringer Plate, breadth and thickness                                 | .40                               |  |                 |  |
| If Plated, state thickness  | .36                               |  |                 |  |
| <b>Fourth Deck.</b>   |                                   |  |                 |  |
| Stringer Plate, breadth and thickness                                 |                                   |  |                 |  |
| If Plated, state thickness  |                                   |  |                 |  |
| <b>Poop Deck.</b>   |                                   |  |                 |  |
| Stringer Plate, breadth and thickness                                 | .30                               |  |                 |  |
| Plating, Sheathing, material and thickness                            | 2 1/2 TEAK WHERE EXPOSED          |  |                 |  |
| <b>Bridge Deck.</b>   |                                   |  |                 |  |
| Stringer Plate, breadth and thickness                                 | 86 3/4 x 46                       |  |                 |  |
| Plating, Sheathing, material and thickness                            | 38 COMPOSITION IN ACCORDANCE WITH |  |                 |  |
| <b>Forecastle Deck.</b>   |                                   |  |                 |  |
| Stringer Plate, breadth and thickness                                 | .40                               |  |                 |  |
| Plating, Sheathing, material and thickness                            | .36 No SHEATHING.                 |  |                 |  |

## SHELL PLATING.

| SCANTLINGS.                         |   |                   |                      |                   | RIVETING.                                      |                            |                   |         |                        |  |         |                     |
|-------------------------------------|---|-------------------|----------------------|-------------------|--|----------------------------|-------------------|---------|------------------------|--|---------|---------------------|
| STRAKES.                            | AS IN VESSEL.   |                   |                      |                   | ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED. | EDGES.                     |                   |         | BUTTS.                 |  |         |                     |
|                                     | AMIDSHIPS.  |                   | FORWARD.             | AFT.              |  | State if jogged?           | RIVETS.           |         | NO. OF ROWS OF RIVETS. | RIVETS.  |         | STRAPPED OR LAPPED. |
|                                     | Breadth.  | Thickness.        | Thickness.           | Thickness.        |  |                            | SINGLE OR DOUBLE. | Diam.   |                        | Spacing cr. to cr.   | Diam.   |                     |
|                                     | Inches.   | Inches.           | Inches.              | Inches.           |  |                            | Inches.           | Inches. |                        | Inches.  | Inches. |                     |
| Flat Plate Keel.....                | 57  | 1.1               | .84                  | .84               |  |                            |                   |         |                        |  |         |                     |
| „ Dblg. (if any)                    | D. E. F. G. STRAKES 1.00 THICK FROM 168 FRAME FORWARD |                   |                      |                   |  |                            |                   |         |                        | ALL SHELL  |         |                     |
| Bottom Plating, No. of Strakes      | A B C   | .85<br>.85<br>.84 | 1.00<br>1.00<br>1.00 | .56<br>.56<br>.55 |  | WELDED                     |                   |         |                        | BUTTS  |         |                     |
| Bilge Plating, No. of Strakes       | D   | .83               | 1.00                 | .55               |  | DOUBLE                     | 1                 | 4       |                        | WELDED   |         |                     |
| Side Plating, No. of Strakes        | E F G   | .71               | 1.00                 | .50               |  | E LOWER EDGE DOUBLE TREBLE | 1                 | 4       |                        | THREE FORE & AFT EDGES TREBLE RIVETTED FROM FRAME 22 TO FORE END OF CARGO TANKS. (APPROX 3/4 LENGTH) |         |                     |
| Upper Deck, Sheer-strake in Wells   |   | 75 1/2            | 1.04                 | .50               | .50  | DOUBLE (LOWER EDGE)        | 1 1/8             | 4 1/2   |                        |  |         |                     |
| Upper Deck, Sheer-strake in Bridge  |   |                   |                      |                   |  |                            |                   |         |                        |  |         |                     |
| Strake below Sheer-strake in Wells  |   | 81                | .90                  | .50               | .50  | TREBLE (LOWER EDGE)        | 1                 | 4       |                        |  |         |                     |
| Strake below Sheer-strake in Bridge |   |                   |                      |                   |  |                            |                   |         |                        |  |         |                     |
| Poop Side Plating                   |   |                   |                      | .42               |  | SINGLE                     | 7/8               | 3 1/2   |                        |  |         |                     |
| Bridge Side Plating                 |   |                   |                      |                   |  |                            |                   |         |                        |  |         |                     |
| Forecastle Side Plating             |   |                   |                      | .46               |  | SINGLE                     | 7/8               | 3 1/2   |                        |  |         |                     |

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— FOURTEEN  
Extending to Upper Deck (Sec. 3 c).... FOURTEEN ✓  
„ Deck next below NONE  
As per Rule AS APPROVED


FORGINGS AND CASTINGS.

|   | Casting or Forging.  | Seantlings.                     | Maker's Name.   | Any Depart from Appr Plans to be |
|---|----------------------|---------------------------------|-----------------|----------------------------------|
| KEEL, Bar                               | UPPER PART - CASTING | FLAT PLATE                      | KEEL            | ✓                                |
| STEM                                    | LOWER PART - ROLLED  | 1.004. 60THICK                  | 11x 2 1/2       | ✓                                |
| STERN FRAME                             | Propeller Post       | CASTING                         | STREAM LINE SEE | STROMMENS                        |
|   | Rudder               | NO RUDDER POST                  | PLAN            | VERKSTER                         |
| Speed of Vessel                         |                      | 15 KNOTS                        |                 | ✓                                |
| RUDDER—Type                             |                      | SEMI-BALANCED                   |                 |                                  |
| " A x D                                 |                      | 674                             | STROMMENS       |                                  |
| " Diam. of head                         |                      | 14"                             | VERKSTER        |                                  |
| " Mainpiece at top plate                |                      | CAST STEEL FRAME                | INCREASE        |                                  |
| " heel                                  |                      | AS APPROVED                     | ICE SEE PL      |                                  |
| " how constructed                       |                      | CAST STEEL FRAME WITH           |                 | ✓                                |
| " double <del>or</del> single plate     |                      | ✓ 5/8" DOUBLE SIDE PLATES       |                 | ✓                                |
| ✓ " coupling, vertical or horizontal    |                      | HORIZONTAL COUPLING. 6.5" DIA B |                 |                                  |
| e Vessel (state process of manufacture) |                      | (OPEN HEARTH)                   |                 | ✓                                |

|                                     |   | Plating Thickness.  | STIFFENERS.      |           |             |                  |
|-------------------------------------|---|---|------------------|-----------|-------------|------------------|
|                                     |   |   | VERTICAL.        |           | HORIZONTAL. |                  |
|                                     |   |   | Scantlings.      | Spacing.  | Scantlings. | Spacing.         |
| MIDSHIP BULKH'D, Upper 'tween decks |   |   |                  |           |             |                  |
| "                                   | " | Second  |                  |           |             |                  |
| "                                   | " | Third   |                  |           |             |                  |
| "                                   | " | Holds   | PLATE VERTICALLY | 8x4x500A  | 33          | 3 STRINGERS      |
| "                                   | " |   | 42               | 8x4x410A  | 31½         | AS APPROVED      |
| COLLISION                           | " | (in Hold)   | 49-36            | 6x3x310A  | 24          | 3 SEMI-BOX BEAMS |
| AFTER PEAK                          | " |   | 50-30            | 8x3½x410A | 24          | 2 SEMI-BOX BEAMS |
| STEEL.                              |   | Manufacturer's Name or Trade Mark of the Steel used in the construction of the<br>COLVILLE, STEEL CO OF SCOTLAND, & LANARKSHIRE |                  |           |             |                  |
|                                     |   | Has the Steel been tested as required by the Rules? YES.  |                  |           |             |                  |



# PARTICULARS OF LONGITUDINAL FRAMING.

| FRAMING.  | AMIDSHIPS. |   |             | ENDS.   |         |      | Any Departure from Approved Plans to be Noted.               | RIVETING.                      |        |  |                                  |           |
|---|------------|---|-------------|---|---------|------|--|--------------------------------|--------|--|----------------------------------|-----------|
|   | In Ship.   |   |             | In Ship.  |         |      |  | Rivets in Longitudinal Frames. |        | Spacing of Rivets on each side of Transverses and Bulkheads. | Rivets in Brackets to Bulkheads. |           |
|   | Ins.       | Ins.  | Ins.        | Ins.  | Ins.    | Ins. |  | Diam.                          | Speng. |  | Number.                          | Diameter. |
| g of  |            |   |             |   |         |      |  |                                |        |  |                                  |           |
| in Bridge 'tween Decks ... from Uppermost Continuous Keel.                            | No. 1      | 15x4x4x .46/62                              | ✓           | 15x4x4x .46/62  | ✓       |      | LONGITUDINALS WELDED TO SHELL HERE & TOE CONTINUOUS WELDING. |                                |        |  |                                  | WELDER ✓  |
|   | " 2        | "   | ✓           | "   | ✓       |      |  |                                |        |  |                                  |           |
|   | " 3        | "   | ✓           | "   | ✓       |      |  |                                |        |  |                                  |           |
|   | " 4        | "   | ✓           | "   | ✓       |      |  |                                |        |  |                                  |           |
|   | " 5        | "   | ✓           | "   | ✓       |      |  |                                |        |  |                                  |           |
|   | " 6        | LONGITUDINAL BULKHEAD.                      |             |   |         |      |  |                                |        |  |                                  |           |
|   | " 7        | 15x4x4x .41/62                              | ✓           | TRANSVERSE FRAMING  | ✓       |      | LONGITUDINALS WELDED TO SHELL.                               |                                |        |  |                                  |           |
|   | " 8        | "   | ✓           | IN END  | ✓       |      |  |                                |        |  |                                  |           |
|   | " 9        | "   | ✓           | WING TANKS  | ✓       |      |  |                                |        |  |                                  |           |
|   | " 10       | "   | ✓           |   |         |      |  |                                |        |  |                                  |           |
|   | " 11       |   |             |   |         |      |  |                                |        |  |                                  |           |
|   | " 12       | PLATE 57 1/2 x .50 WITH 8 x .50             | ✓           |   | ✓       |      |  |                                |        |  |                                  |           |
|   | " 13       | FACE PLATE INTERCOSTAL BETWEEN TRANSVERSES. | ✓           |   | ✓       |      |  |                                |        |  |                                  |           |
|   | " 14       | WELDED TO KEEL PLATE.                       | ✓           |   | ✓       |      |  |                                |        |  |                                  |           |
|   | " 15       |   |             |   |         |      |  |                                |        |  |                                  |           |
|   | " 16       |   |             |   |         |      |  |                                |        |  |                                  |           |
| ing of (Amidships   |            |   |             | CENTRE TANKS  | 33"     | ✓    |  |                                |        |  |                                  |           |
| itudinal (At Ends   |            |   |             | SIDE TANKS  | 31 1/2" | ✓    |  |                                |        |  |                                  |           |
| Tank Top Longitudinals  |            |   |             | DOUBLE BOTTOM IN ENGINE ROOM ONLY                                     | ✓       |      |  |                                |        |  |                                  |           |
| Bottom  |            |   |             | TRANSVERSE FRAMING.   | ✓       |      |  |                                |        |  |                                  |           |
| Longitudinals (Amidships  |            |   |             |   |         |      |  |                                |        |  |                                  |           |
| (At ends...   |            |   |             |   |         |      |  |                                |        |  |                                  |           |
| Transverses.  |            |   |             |   |         |      |  |                                |        |  |                                  |           |
| Depth and Thickness   |            |   |             | AMIDSHIPS.  |         |      |  |                                |        |  |                                  |           |
| Face Angles   |            |   |             | 57 x .48  | ✓       |      |  |                                |        |  |                                  |           |
| Lugs to Shell*  |            |   |             | 14 x 1.00   | ✓       |      |  |                                |        |  |                                  |           |
| Depth and Thickness   |            |   |             | WELDED  | ✓       |      |  |                                |        |  |                                  |           |
| Face Angles   |            |   |             | 33 x .42  | ✓       |      |  |                                |        |  |                                  |           |
| Lugs to Shell*  |            |   |             | 9 x .50   | ✓       |      |  |                                |        |  |                                  |           |
| Depth and Thickness   |            |   |             | WELDED  | ✓       |      |  |                                |        |  |                                  |           |
| Face Angles   |            |   |             |   |         |      |  |                                |        |  |                                  |           |
| Lugs to Shell*  |            |   |             |   |         |      |  |                                |        |  |                                  |           |
| " " Back Bars   |            |   |             |   |         |      |  |                                |        |  |                                  |           |
| Brackets  |            |   |             |   |         |      |  |                                |        |  |                                  |           |
| ing of Transverse Frames...   |            |   |             | 8'-0"   | ✓       |      |  |                                |        |  |                                  |           |
| ate if joggled or liners.   |            |   |             |   |         |      |  |                                |        |  |                                  |           |
| al  | L ✓        | Bridge Deck                                 | 5 3 .32     | WELDED TOE ON   | ✓       |      | Spacing.   |                                |        |  |                                  |           |
|   | L ✓        | Upper "                                     | 7 3 1/2 .44 | WELDED TOE ON   | ✓       |      | 33" x 31 1/2"  |                                |        |  |                                  |           |
|   |            | Second "                                    |             | UPPER STRUT IN WING TANKS - 15x4x4x .46/62 CHAN WITH 10x4x.52 O.A.    | ✓       |      |  |                                |        |  |                                  |           |
|   |            | Third "                                     |             | 2 LOWER STRUTS IN WING TANKS - 15x4x4x .47/62 CHAN WITH 10x4x.54 O.A. | ✓       |      |  |                                |        |  |                                  |           |

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, &c., 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, &c., on the first page.



EQUIPMENT No. 57179 LETTER g+

| Number of Certificate. |           | ANCHORS. | WEIGHT, EX. STOCK. |      | WEIGHT OF STOCK. |       | TEST, PER CERTIFICATE. |      | WEIGHT REQUIRED BY TABLE 53. |       | Description of Anchor. |                | ANCHORS.            |  |
|------------------------|-----------|----------|--------------------|------|------------------|-------|------------------------|------|------------------------------|-------|------------------------|----------------|---------------------|--|
|                        |           |          | Cwts.              | qrs. | lbs.             | Cwts. | qrs.                   | lbs. | Tons.                        | cwts. | qrs.                   | lbs.           | Makers.             | Where and when tested, and Superintendent. |
| 30660                  | 1st Bower | 95       | 2                  | 0    | 0                | 65    | 15                     | 0    | 0                            | 95    |                        | BYERS IMPROVED | PER W. BYERS & CO.  | L.W. 8/3/50 YOGAN                          |
| 30661                  | 2nd "     | 95       | 2                  | 0    | 0                | 65    | 15                     | 0    | 0                            | 95    |                        | "              | "                   | L.W. 9/3/50 "                              |
| 30662                  | 3rd "     | 81       | 3                  | 0    | 0                | 59    | 10                     | 0    | 0                            | 81    |                        | "              | "                   | L.W. 9/3/50 "                              |
| Collective weight      |           | 273      | 0                  | 0    | 0                |       |                        |      |                              | 271   |                        |                |                     |  |
| 4799                   | Stream    | 29       | 1                  | 0    | 0                | 7     | 2                      | 7    | 28                           | 1     | 1                      | 0              | ROGERS FORGED STEEL | STAYLOR & SONS N 23/50 MURPHY              |

CHAIN CABLES.

| 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.  | Stations.             | Break- ing. | Supplied.              | Per Rule. | Length.                       | Diam. |              |                |                   |  |  |  |           |  | Length.                   | Cir.  | Tons.                        | Length. | Cir.                          |  |
| 2765                   |  | 330                       | 2 5/16 | 134.8                 | 188.7       | 938.3                  | 3.3       | 880                           | 330   | 2 5/16       | STAYLOR & SONS | N 3/3/50 MURPHY   |  |  |  |           |  | 130                       | 6 1/2 | 112.3                        | 130     | 6 1/2                         |  |
| 2766                   |  |                           |        |                       |             |                        |           |                               |       |              | SPECIAL STEEL  |                   |  |  |  |           |  |                           |       |                              |         |                               |  |
| 2767                   |  |                           | 2 5/16 | "                     | "           | 3.0                    | 0.0       |                               |       |              | ADAPTOR PIECES |                   |  |  |  |           |  |                           |       |                              |         |                               |  |
| 2768                   |  |                           |        |                       |             |                        |           |                               |       |              |                |                   |  |  |  |           |  |                           |       |                              |         |                               |  |
| Stream                 |  | 120                       | 5 1/2  |                       |             | 84.4                   |           |                               | 120   | 5 1/2        |                |                   |  |  |  |           |  |                           |       |                              |         |                               |  |

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.  | Stations.             | Break- ing. | Supplied.              | Per Rule. | Length.                       | Diam. |              |                |                   |  |  |  |           |  | Length.                   | Cir.  | Tons.                        | Length. | Cir.                          |  |
| 2765                   |  | 330                       | 2 5/16 | 134.8                 | 188.7       | 938.3                  | 3.3       | 880                           | 330   | 2 5/16       | STAYLOR & SONS | N 3/3/50 MURPHY   |  |  |  |           |  | 130                       | 6 1/2 | 112.3                        | 130     | 6 1/2                         |  |
| 2766                   |  |                           |        |                       |             |                        |           |                               |       |              | SPECIAL STEEL  |                   |  |  |  |           |  |                           |       |                              |         |                               |  |
| 2767                   |  |                           | 2 5/16 | "                     | "           | 3.0                    | 0.0       |                               |       |              | ADAPTOR PIECES |                   |  |  |  |           |  |                           |       |                              |         |                               |  |
| 2768                   |  |                           |        |                       |             |                        |           |                               |       |              |                |                   |  |  |  |           |  |                           |       |                              |         |                               |  |
| Stream                 |  | 120                       | 5 1/2  |                       |             | 84.4                   |           |                               | 120   | 5 1/2        |                |                   |  |  |  |           |  |                           |       |                              |         |                               |  |

Steering Gear, Type (Power or hand) ELECTRIC-HYDRAULIC BY HASTIE (4 RAM) Alternative Means of Steering BLOCKS & TACKLE WORKED FROM AFTER WINCH

Steering Chains (Size and Test) NONE - TELE MOTOR CONTROL Windlass STEAM BY EMERSON, WALKER Boats 2-24' LIFEBOATS 1-20' WORKING BOAT

Heeling in Holds, thickness and material NONE Cargo Battens, thickness, material and spacing NONE

Hatchways.-(Upper Deck) FOR TO CARGO HOLD STEEL COAMING, 30" HIGH WITH STIFFS & STAYS Thickness of Hatches STEEL COVERS 50" THICK

Hatchways No. 1 (Fwd.) 16' x 12' Also 27 @ 4'-0" DIAM. & 15" COAMING

of Shifting Beams Fore and Afters NONE

For LITHGOWS LIMITED

Builder's Signature

R. T. Stephenson

DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel MOTORSHIP

(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 (where required to be inserted in the Notation).

Ship has been built under special survey in conformity with the Society's rules & regulations, and the Secretary's letters. The scantlings & arrangements of the ship are as given in the plans as shown amended on the approved plans now forwarded. All modifications & alterations to the original approved arrangements made during construction have been noted on the plans and have been approved as being in accordance with or by standards equivalent to, the rule requirements. The plans of midship section & profile, showing the ship as built, now forwarded herewith, have been checked with the approved arrangements and found in order. The materials & workmanship are of good quality.

All the double bottom tanks, fore peak tank, after peak tank, oil cargo tanks, oil fuel bunkers, forward deep tanks & cofferdams, have been tested to rule requirements & found satisfactory. The freeboard has been verified & the markings cut in on the vessel's sides.

See page 4.

Amount of Entry Fee. £ : : Fees applied for, 2nd Nov. 1950.

Special Survey Fee. 1492 0:0

FREEBOARD 36:0:0

Received by me, 11th Nov. 1950

Travelling Expenses, if any £ : :

(Special notations, where part of class, to be stated.)

CARRYING PETROLEUM IN BULK.

LONGITUDINAL FRAMING AT BOTTOM & AT DECK.

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

Signature

Kenneth Inglis

Surveyor to Lloyd's Register of Shipping.

State whether the Vessel has been built under Special Survey YES

Certificate to be sent to GREENOCK OFFICE

Date of issue 12/1/51.

Committee's Minute

Character assigned

+100A1.

10.50 Gls, subject

Carrying Petroleum in bulk.

CLASSIFICATION CERTIFICATES WRITTEN.

+ LMC 10.50 Oil Engine with torsional endorsement 2 DB-180 lb.

Lloyd's A.C.P.

Longitudinal framing at bottom & at deck

Strengthened for navigation in ice



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.)

The weather decks & watertight bulkheads have been hose tested in accordance with rule requirements & found satisfactory. Steering arrangements, windlass, hand pumps etc. tested & tried under working conditions. Oil fuel. F.P. above 150°F is carried in the cross bunker, forward deep tank & in double bottom at forward end of motor space. The requirements of section 20 of the rules for steel ships, where applicable, have been complied with. Plans of midship section & profile & decks as built, approved plans & forging reports are forwarded with attached list. An entry certificate has been issued & a copy is enclosed.

**PARTICULARS OF ELECTRIC WELDING** (if employed) butts & seams of bottom shell, all side shell butts, seams & butts of decks & stinger plate welded to shell (no stinger bar) bottom transverses & deck transverses, all transverse & longitudinal bulkhead, engine seating, part fore & aft gangway side stingers & stinger bulkheads. Note side shell seams & frames to shell hydraulically rivetted.

**SPECIAL NOTATIONS** :—Either as part of the vessel's class or for record in the Register Book  
LONGITUDINAL FRAMING AT BOTTOM & AT DECK: LLOYD'S ANCP: E.S.D.: D.F.: G.Y.C.  
RADAR: CRUISER STERN: OIL ENG.: A ELEC WELDED: MCHY AFT  
CARRYING PETROLEUM IN BULK: STRENGTHENED FOR NAVIGATION IN ICE

**RADAR** Equipment (State if fitted) yes  
State Type or Pattern No. Type 159A.  
State Name of Maker and/or Supplier "DECCA"

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

1st Bower 59-3-14: A.E.G.: 1373: 6-1-50.  
2nd " 59-2-14: A.E.G.: 1387: 13-1-50.  
3rd " 51-1-21: A.E.G.: 1382: 10-1-50.

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop 114 ft., R.Q.D. ft., Bridge 42 ft., Forecastle 43 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. 184,305.

Signal Letters.

Extreme Breadth over Belting (Circ. 1611)

Over-all Length (Circ. 1703) 547.

No. and Material of Decks 1 DK

Parts of Bottom of Vessel coated with cement or approved composition CEMENT IN PEAKS ONLY.

Particulars of composition (if fitted) and of approval

**PARTICULARS OF WATER BALLAST:**—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)  
(Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included)

| Where Fitted.                             | Length.<br>Feet. | Water Capacity.<br>Tons. | Where Fitted.   | Length.<br>Feet. | Water Capacity.<br>Tons. |
|---|------------------|--------------------------|---|------------------|--------------------------|
| Double bottom, aft,                       |                  |                          | Fore peak tank,                                       |                  | 141                      |
| Double bottom, under Engines and Boilers, |                  |                          | After peak tank,                                      |                  | 129                      |
| Double bottom, if under Engines only,     | 87-6"            | 187                      | Deep tank, aft,                                       |                  |                          |
| Double bottom, if under Boilers only,     |                  |                          | Deep tank, forward,                                   | 36               | 851                      |
| Double bottom, forward,                   |                  |                          | Other tanks, if fitted,                               |                  |                          |
| Total length (if continuous) and Capacity |                  |                          | (If necessary furnish further information by sketch.) |                  |                          |

Order for Special Survey No. 3585

Date 2<sup>ND</sup> JUNE 1949

Dates of Surveys held while building

(1949) AUG. 25 SEPT. 23-26-29 OCT. 3-11-13-31 NOV. 1-8-11-16-17-22-24-25-28-29-30 DEC. 2-5-6-7-12-13-15-16-20  
(1950) JAN. 9-12-19-20-23-24-26-27-30-31 FEB. 1-3-4-9-13-14-15-17-21-23-28 MAR. 1-2-6-7-8-9-10-15-17-20-23-24-27-28-30-31  
APRIL 3-4-5-6-10-11-12-13-18-21-24-26-28 MAY 1-2-3-4-5-8-9-10-11-12-13-16-17-18-19-22-23-24-25-30-31 JUNE 1-4-5-6-7-8-9-11-12-13-14-15-16-22-24  
JULY 28 AUG. 1-18-21-25-30 SEPT. 1-5-7-8-12-14-15-26-27-28 OCT. 2-4-6-9-11-12-13-17-18-19-20-23-24-25-26

Total No. of Visits 11