

## STEEL STEAMER or MOTORSHIP.

Received at London Office

10 JUN 1929

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 *7<sup>th</sup> June 29*Port of *Dundee*No. *8695*Survey held at *Dundee*Date First Survey *6<sup>th</sup> Nov. 1928*Last Survey *4<sup>th</sup> June*

1929

On the (State if Machinery Altered Aft and  
(if Single, Twin or Triple Screw)*PADDLE STEAMER. "B. L. NAIRN."*State Type (Full Scantling, Complete Superstructure  
with or without Tonnage Openings)State Type of Erections *Partial*TONNAGE under  
Tonnage Deck...*285.86*CLASS "A" for river *Service on the Tay* State if with freeboard  
as condition of ClassDo. of space or spaces  
between Tonnage Dk.  
and Upper Dk.

Total

*285.86*

Gross Tonnage

*395.50*

Register Tonnage

*141.22*Length from fore part of stem to after part of stern  
post on summer L.W.L. See Sec. 3 (1a)L *161.5*

Breadth (greatest moulded)

B *31.0*Depth, at middle of length from top of keel to top  
of beam at side of uppermost continuous  
deck. See Sec. 3 (1c)D *8.25*1st Longitudinal Number (L x D) = *1332.37*2nd Numeral L x (B + D) = *6338.84*Framing Depth "d," at middle of length. See  
Sec. 3 (1d)*7.59*Proportions—Depth to Length—Uppermost con-  
tinuous deck to top of keel*19.54*

Draught Moulded

*5' 2"*Built at *Dundee*Launched *23<sup>rd</sup> April 1929* Yard No. *330*Builders *The Calson D & Co. Ltd.*Owners *Trustees of the Harbour of Dundee*

Managers

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

Residence *Dundee*Port of Registry *Dundee*

If surveyed while building, afloat, or in dry dock

*Building - Afloat.*

## REGISTERED DIMENSIONS.

FEET.

Length

*162.25*

Breadth

*31.1*

Depth

*7.85*

## FRAMES, DOUBLE BOTTOM AND BEAMS.

|  | INCHES IN SHIP.  | Any Departure from<br>Approved Plans to<br>be Noted. |   | INCHES IN SHIP.    | Any Departure from<br>Approved Plans to<br>be Noted. |
|--|--|--|---|--------------------|--|
| FRAMES, Spacing amidships <i>40-19-45</i>  | <i>24"</i>   |  | Bracket Floors, Frame   | <i>✓</i>           |  |
| " " from <i>3-19 and 45-67</i><br>length to Collision<br>bulkhead inclusive      | <i>30"</i>   |  | " " Reversed Frame  | <i>✓</i>           |  |
| " " in peaks   | <i>29"</i>   |  | " " Vertical Struts   | <i>✓</i>           |  |
| SIDE FRAMING.  |  |  | Centre Girder, depth and thickness amidships  | <i>✓</i>           |  |
| Frame Amidships, Angle, <i>E or F</i>  | <i>4 1/2 3 28</i>  |  | " " top Angles  | <i>✓</i>           |  |
| " " " in Boilers Space <i>4 1/2 3 41</i>   | <i>4 1/2 3 41</i>  |  | " " bottom Angles   | <i>✓</i>           |  |
| " " Extends up to <i>upper deck</i>  |  |  | Side Girders, No. each side and thickness   | <i>✓</i>           |  |
| Reversed Frame Amidships, Angle <i>Chamber floors</i>                            |  |  | Margin Plate depth (excl. of flange) and<br>thickness   | <i>✓</i>           |  |
| " " Extends up to <i>straight across</i>   |  |  | " " Vertical Angle to Tank side<br>Bracket abaft 1/4 len. from<br>stem  | <i>✓</i>           |  |
| Depth of Framing Girder <i>4 1/2 0 A frame</i>                                   |  |  | " " Vertical Angle to Tank side<br>Bracket forward 1/4 len. from<br>stem  | <i>✓</i>           |  |
| Frames in Uppermost Continuous 'tween<br>Decks, Angle, <i>E or F</i>             | <i>✓</i>   |  | " " Gussets, spacing and scantling<br>abaft 1/4 len. from stem  | <i>✓</i>           |  |
| " " Second 'tween Decks, Angle, <i>E or F</i>                                    | <i>✓</i>   |  | " " Gussets, spacing and scantling<br>forward 1/4 len. from stem  | <i>✓</i>           |  |
| " " Third " " " "  | <i>✓</i>   |  | Tank Side Brackets, height above base line<br>at toe of Frame and thickness   | <i>✓</i>           |  |
| Framing in Peaks, Angle <i>E or F</i>  | <i>4 1/2 3 28</i>  |  | INNER BOTTOM PLATING.   |                    |  |
| Diameter and Spacing of Rivets through<br>Frame and Shell Plating amid-<br>ships | <i>5/8 - 4 1/8</i><br><i>3/4 - 4 1/8</i>                               |  | Breadth and thickness of Middle Line Strake   | <i>✓</i>           |  |
| State if Frame Joggled   | <i>Joggled</i>   |  | Thickness of remainder in Holds   | <i>✓</i>           |  |
| PANTING ARRANGEMENTS (Sec. 7), state<br>system and particulars                   | <i>Side keelsons<br/>carried as far<br/>forward as<br/>practicable</i> |  | Are Rule requirements complied with regarding<br>increases of scantlings in way of double<br>bottom in E. & B. space and framing in<br>Bunkers and Boiler Room? | <i>✓</i>           |  |
| STRENGTHENING OF BOTTOM FOR-<br>WARD. State Particulars                          |  |  | BEAMS.  |                    |  |
| SINGLE BOTTOM.   |  |  | Uppermost Continuous Deck, amidships<br>in Wells, Angle, <i>E or F</i>  | <i>4 1/2 3 30</i>  |  |
| Floors, Depth and thickness at mid-line in<br>Holds <i>Chambers (N.B.S.)</i>     | <i>8 x 3 x 3 28/144</i>  |  | " " " in way of Bridge, Angle,<br><i>E or F (N.B.S.)</i>  | <i>6 3 34</i>      |  |
| Height of Brackets at side above<br>base line at toe of frame                    | <i>Frame connected<br/>to Chamber floors</i>                           |  | Spacing   | <i>24" and 30"</i> |  |
| Middle Line Keelson, on Floors, Angles,<br><i>E or F</i>                         | <i>4 1/2 3 36</i>  |  | Second Deck, amidships, Angle, <i>E or F</i>  | <i>✓</i>           |  |
| " " " Through Plate or<br>Intercoastal Plate                                     | <i>12 3/4 x 32 - 28</i>  |  | Spacing   | <i>✓</i>           |  |
| " " " Foundation Plate on<br>Floors  | <i>✓</i>   |  | Third Deck, amidships, Angle, <i>E or F</i>   | <i>✓</i>           |  |
| " " " Flat Plate Keel Angles   | <i>3 3 28</i>  |  | Spacing   | <i>✓</i>           |  |
| Side Keelsons, No. each side   | <i>one</i>   |  | Fourth Deck, amidships, Angle, <i>E or F</i>  | <i>✓</i>           |  |
| " " thickness of Intercoastal Plate  | <i>✓</i>   |  | Spacing   | <i>✓</i>           |  |
| " " Angles <i>Single</i>   | <i>6 4 36</i>  |  | Poop Deck, Angle, <i>E or F</i>   | <i>✓</i>           |  |
| DOUBLE BOTTOM.   |  |  | Spacing   | <i>✓</i>           |  |
| Solid Floors, thickness and spacing  | <i>✓</i>   |  | Bridge Deck, Angle, <i>E or F</i>   | <i>✓</i>           |  |
| " " Are Frame and Reversed Frame<br>joggled?                                     | <i>✓</i>   |  | Spacing   | <i>✓</i>           |  |
| Bracket Floors, breadth and thickness at<br>middle line                          | <i>✓</i>   |  | Forecastle Deck, Angle, <i>E or F</i>   | <i>3 2 24</i>      |  |
| " " breadth and thickness at<br>margin plate                                     | <i>✓</i>   |  | Spacing   | <i>48"</i>         |  |



# PILLARS AND DECKS.

| PILLARS, No. of Rows.....                                   | INCHES IN SHIP. |       | Any Departure from Approved Plans to be Noted. |    |   | INCHES IN SHIP. | Any Departure from Approved Plans to be Noted. |
|---|-----------------|-------|--|----|---|-----------------|--|
|   |                 |       |  |    |   |                 |  |
| 3   | Three           |       |  |    |   |                 |  |
| " in 'tween Decks, Size and Spacing.....                    |                 |       |  |    | Stringer Plate, breadth and thickness in way of Bridge      | ✓               |  |
| " " " " " "   |                 |       |  |    | Thickness of Plating abreast Deck openings in way of Wells  | ✓               |  |
| " in Holds " " " " " "                                      |                 |       |  |    | Thickness of Plating abreast Deck openings in way of Bridge | ✓               |  |
| " " " " " "   |                 |       |  |    | Thickness of Plating within line of openings...             | ✓               |  |
| Centre Line Bulkhead.                                       |                 |       |  |    | If Sheathed, material and thickness                         | ✓               |  |
| Stiffeners and Spacing.....                                 |                 |       |  |    | Third Deck.   |                 |  |
| Plating, thickness of .....                                 |                 |       |  |    | Stringer Plate, breadth and thickness.....                  | ✓               |  |
| STRINGERS AND DECKS.  |                 |       |  |    | If Plated, state thickness.....                             | ✓               |  |
| Uppermost Continuous Deck.                                  |                 |       |  |    | Fourth Deck.  |                 |  |
| Stringer Plate, breadth and thickness in Wells              | 30"             | 40    |  |    | Stringer Plate, breadth and thickness.....                  | ✓               |  |
| " " " " in way of Bridge                                    |                 |       |  |    | If Plated, state thickness .....                            | ✓               |  |
| " Angle in Wells  | 10.7. Collars   | 2 1/2 | 2 1/2  | 35 | Poop Deck.  |                 |  |
| Thickness of Plating abreast Deck openings in way of Wells  |                 |       |  |    | Stringer Plate, breadth and thickness .....                 | ✓               |  |
| Thickness of Plating abreast Deck openings in way of Bridge |                 |       |  |    | Plating, Sheathing, material and thickness ...              | ✓               |  |
| Thickness of Plating within line of openings...             |                 |       |  |    | Bridge Deck.  |                 |  |
| If Sheathed, material and thickness                         | 5 x 3 1/2 P.P.  |       |  |    | Stringer Plate, breadth and thickness.....                  | ✓               |  |
| Second Deck.  |                 |       |  |    | Plating, Sheathing, material and thickness ...              | ✓               |  |
| Stringer Plate, breadth and thickness in Wells...           |                 |       |  |    | Forecastle Deck.  |                 |  |
|   |                 |       |  |    | Stringer Plate, breadth and thickness.....                  | 6               | 3 3/8  |
|   |                 |       |  |    | Plating, Sheathing, material and thickness ...              | 5               | 2 1/2 P.P.                                     |

## SHELL PLATING.

| SCANTLINGS.                             |               |            |            |            | RIVETING.                                      |                                  |         |                        |         |                     |  |
|---|---------------|------------|------------|------------|--|----------------------------------|---------|------------------------|---------|---------------------|--|
| STRAKES.                                | AS IN VESSEL. |            |            |            | ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED. | EDGES.                           |         |                        |         |                     |  |
|   | AMIDSHIPS.    |            | FORWARD.   | AFT.       |  | State if jogged? on bottom only. |         | BUTTS.                 |         |                     |  |
|   | Breadth.      | Thickness. | Thickness. | Thickness. |  | SINGLE OR DOUBLE.                | RIVETS. | No. OF ROWS OF RIVETS. | RIVETS. | STRAPPED OR LAPPED. |  |
| FLAT PLATE KEEL .....                   | 35"           | 40         | 40         | 40         |  |                                  |         |                        |         |                     |  |
| " (if any)                              |               |            |            |            |  |                                  |         |                        |         |                     |  |
| BOTTOM PLATING, No. of Strakes .....    |               |            |            |            |  |                                  |         |                        |         |                     |  |
| BILGE PLATING, No. of Strakes .....     |               |            |            |            |  |                                  |         |                        |         |                     |  |
| SIDE PLATING, No. of Strakes .....      |               |            |            |            |  |                                  |         |                        |         |                     |  |
| UPPER DECK, Sheer-strake in Wells.....  | 30"           | E          | 43         | 38         |  |                                  |         |                        |         |                     |  |
| 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.

|  |   |
|--|---|
| Total No. of W.T. BULKHEADS in Vessel— |   |
| Extending to Upper Deck (Sec. 3 c)     | 6 |
| " Deck next below                      | ✓ |
| As per Rule                            | 4 |

## FORGINGS and CASTINGS.

|                                    | Casting or Forging.    | Scantlings.           | Maker's Name.  | Any departure from approved plans to be noted. |
|------------------------------------|------------------------|-----------------------|----------------|--|
| KEEL, Bar                          | Plating                |                       |                | See above.                                     |
| STEM                               | as per approved plans. | Forging 5 3/4 x 1 1/8 | Forster Smith. | Dundee.  |
| STERN FRAME                        | Propeller Post         |                       |                |  |
|                                    | as per approved plans  |                       |                |  |
|                                    | Rudder                 | Forging 5 3/4 x 1 1/8 | Do. Do.        |  |
| RUDDER—A x D                       | 55                     |                       |                | Built Bars and Otter Rudders                   |
| Speed of Vessel                    |                        |                       |                | as per approved plans                          |
| RUDDER                             | Stanks                 |                       |                | 9 1/2 knots.                                   |
|                                    | mainpiece at head      | Forging 4" dia        | The Calson     | S. R. L. Ltd.                                  |
| " "                                | heel                   |                       |                |  |
| " how constructed                  |                        |                       |                | built of plates and angles                     |
| " double or single plate           |                        |                       |                | as per approved plans.                         |
| " coupling, vertical or horizontal |                        |                       |                |  |

| MIDSHIP BULKHEAD, Upper tween decks | Plating Thickness. | STIFFENERS. |          |             |          |
|-------------------------------------|--------------------|-------------|----------|-------------|----------|
|                                     |                    | VERTICAL.   |          | HORIZONTAL. |          |
|                                     |                    | Scantlings. | Spacing. | Scantlings. | Spacing. |
| " " Second                          |                    |             |          |             |          |
| " " Third                           |                    |             |          |             |          |
| " " Holds                           |                    |             |          |             |          |
| COLLISION                           |                    |             |          |             |          |
| AFTER PEAK                          |                    |             |          |             |          |

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

STEEL. D. Colville & Sons Ltd. Cargo Ship Ironworks. Steel Coy of Scotland Ltd. Pearson & Partners Ltd.

Has the Steel been tested as required by the Rules? Yes. Open heart process.

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Lloyd's Register Foundation







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.)

Approved Plans, etc. enclosed herewith.

Midship Section.

Profile and Decks.

Rudder and Stem frame

W.T. Bulkheads

Pumping Plan.

Bow Rudder and frame.

Access doors and Hatches to Compartments.

Forged Steel Crosshead for 3" dia. Screws & Gear.

Midship Section As built.

Forging Reports.

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

1st Bower

2nd "

3rd "

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 19.58 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) 1 Deck Wood sheathing.

Official No. 144711 ; Signal Letters

Is bottom of Vessel coated with cement ☒ if not give

particulars of composition Bitumastu

#### PARTICULARS OF WATER BALLAST.—

| Where Fitted.                             | *Length.<br>Feet. | Water Capacity.<br>Tons. | Where Fitted.  | *Length.<br>Feet. | Water Capacity.<br>Tons. |
|---|-------------------|--------------------------|--|-------------------|--------------------------|
| Double bottom, aft,                       |                   |                          | Fore peak tank,  |                   |                          |
| Double bottom, under Engines and Boilers, |                   |                          | After peak tank,                                       |                   |                          |
| Double bottom, if under Engines only,     |                   |                          | Deep tank, aft,  |                   |                          |
| Double bottom, if under Boilers only,     |                   |                          | Deep tank, forward,                                    | 10.0              | 45 SH.                   |
| Double bottom, forward,                   |                   |                          | Other tanks, if fitted,                                |                   |                          |
| Total capacity of double bottom           |                   |                          | (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. 974

Date 9<sup>th</sup> Nov. 28.

Dates of Surveys held while building

1928. Nov. 6, 7, 8, 19, 20, 29, 30. Dec. 3, 5, 6, 7, 11, 13, 14, 17, 18, 19, 21, 24, 25, 26, 27, 28, 31.  
1929. Jan. 7, 8, 9, 11, 14, 16, 17, 18, 21, 22, 25, 29, 30, 31.  
Feb. 1, 4, 5, 7, 11, 12, 13, 14, 18, 20, 21, 22, 26, 27, 28, 29.  
March 1, 4, 5, 6, 7, 8, 11, 12, 13, 14, 18, 20, 21, 22, 25, 26, 29.  
April 2, 5, 9, 10, 15, 17, 26, 30. May 2, 4, 9, 16, 23, 27, 28, 31. June 4<sup>th</sup>

Total No. of Visits 87