

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

No. 94000.

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

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

State Type of Erections *Pool, Bridge & Fossil*

TONNAGE under
Tonnage Deck...

CLASS * 100 A 1

State if with freeboard } No
as condition of Class }

Built at Birkenhead

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

Length from fore part of stem to after part of stern } L 419.41
 most on summer L W L S S S 2 (1d)

Launched 22. 5. 28 Yard No. 935

Total

Breadth (*greatest moulded*) B 54.20

Builders Messrs Cammell Laird & Co. Ltd.

Gross Tonnage

Depth, at middle of length from top of keel to top of lower edge of uppermost continuous

Owners *Charente S. S. & Co*

Register Tonnage

Transverse No. **B + D** **86-8**

Managers J. & J. Harrison.

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

REGISTERED DIMENSIONS.

Framing Depth "d," at middle of length. See } 1800

Residence Liverpool

Length

420.30

Proportions—Depth to Length—Uppermost con- 12.8

Port of Registry Liverpool

Breadth

54.65

Do. Long Bridge to top } 10.3

If surveyed while building, afloat, or in dry dock

Depth

30.45

Draught Moulded *corresponding with*..... (26.4)

7. all three

FRAMES. DOUBLE BOTTOM AND BEAMS.

| | INCHES IN SHIP. | | | Any Departure from Approved Plans to be Noted. |
|---|----------------------|-------|--------|--|
| FRAMES, Spacing amidships | 27 | | | |
| " " from $\frac{1}{2}$ length to Collision bulkhead..... | 27 | | | |
| " " in peaks..... | 24 | | | |
| IDE FRAMING. | | | | |
| Frame Amidships, Angle, [or] | 10 | 3½ | .56 | |
| " " Extends up to | Mk Up Dks Alt. | | | |
| Reversed Frame Amidships, Angle | | | | |
| " " Extends up to | | | | |
| Depth of Framing Girder..... | 10 | 3½ | .56 | |
| Frames in Uppermost Continuous 'tween Decks, Angle, [or] | 8 | 3½ | .42 | |
| " " Second 'tween Decks, Angle, [or] | | | | |
| " " Third " " Fore Pk. " Aft Pk. Rev. frs. | 7½ | 3½ | .448A | |
| Framing in Peaks, Angle [or] | 6½ | 3½ | .38 | |
| Diameter and Spacing of Rivets through Frame and Shell Plating amidships | 7/8 | 6 Dia | | |
| State if Frame Joggled | Yes | | | |
| PANTING ARRANGEMENTS (Sec. 7), state system and particulars | 2 tier beams | | | |
| STRENGTHENING OF BOTTOM FORWARD. State Particulars | 2 side stringers | | | |
| SINGLE BOTTOM. | as per approved plan | | | |
| Floors, Depth and thickness at mid-line in Holds | | | | |
| Height of Brackets at side above base line at toe of frame | | | | |
| Middle Line Keelson, on Floors, Angles, [or] | | | | |
| " " Through Plate or Intercoastal Plate.... | | | | |
| " " Foundation Plate on Floors | | | | |
| " " Flat Plate Keel Angles | | | | |
| Side Keelsons, No. each side | | | | |
| " " thickness of Intercoastal Plate.. | | | | |
| " " Angles | | | | |
| DOUBLE BOTTOM. | | | | |
| Solid Floors, thickness and spacing | 40/ | 36 | 81 | .558S |
| " " Are Frame and Reversed Frame joggled?..... | Yes | | | |
| Bracket Floors, breadth and thickness at middle line..... | 36x | 36 | .558S | |
| " " breadth and thickness at margin plate..... | 33x | 36 | .558S | |
| Bracket Floors, Frame B.A. | 7 | 3½ | .55 | .85 |
| " " Reversed Frame B.A. | 7 | 3 | .40 | |
| " " Vertical Struts B.A. | 7 | 3 | .50 | .85 |
| Centre Girder, depth and thickness amidships | 42 | | .52/ | .42 |
| " " top Angles Single | 4½ x 4½ | x | .60/ | .56 |
| " " bottom Angles Double | 4½ x 4½ | x | .60/ | .56 |
| Side Girders, No. each side and thickness | 2- | 36 | .558S | |
| Margin Plate depth (excl. of flange) and thickness | 42x48 | -75 | E.P. | .85 |
| " " Vertical Angle to Tank side Bracket abaft ¼ len. from stem | 5 | 5 | .50 | |
| " " Vertical Angle to Tank side Bracket forward ¼ len. from stem | 3½ | 3½ | .42/ | .40 |
| " " Gussets, spacing and scantling abaft ¼ len. from stem..... | 5 | 5 | .50 | |
| " " Gussets, spacing and scantling forward ¼ len. from stem..... | 30½ x 20x | 36 | .81 | |
| Tank Side Brackets, height above base line at toe of Frame and thickness) | 30½ x 20x | 36 | .81 | |
| INNER BOTTOM PLATING. | | | | |
| Breadth and thickness of Middle Line Strake ... | 73/8 | | .50/ | .44 |
| Thickness of remainder in Holds | | | .40/ | .36 |
| 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 | | | |
| BEAMS. | | | | |
| Uppermost Continuous Deck, amidships) in Wells, Angle, [or] | 8 | 3 | .42 | |
| " " in way of Bridge, Angle, [or] | 10 | 3½ | .56 | |
| " " Spacing..... | 8 | 3 | .42 | |
| Second Deck, amidships, Angle, [or] | 27 & 54 | | | |
| Spacing..... | 12x3 | 8x3 | 5/8x54 | |
| Third Deck, amidships, Angle, [or] | 54 | | | |
| Spacing..... | | | | |
| Fourth Deck, amidships, Angle, [or] | | | | |
| Spacing..... | | | | |
| Poop Deck, Angle, [or] | 8x3½ | 3½x | .54/ | .525 |
| Spacing..... | 48 & 54 | | | |
| Bridge Deck, Angle, [or] | 7½ | 3 | .42 | |
| Spacing..... | 27 | | | |
| Forecastle Deck, Angle, [or] | 10 | 3½ | .46 | |
| Spacing | 54 | | | |

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..... | <i>Two rows of</i> | | Stringer Plate, breadth and thickness in way of Bridge | <i>52½ .44</i> | |
| „ in 'tween Decks, Size and Spacing..... | <i>widely spaced</i> | | Thickness of Plating abreast Deck openings in way of Wells | <i>.42/.36</i> | |
| „ „ „ „ „ | <i>pillars with</i> | | Thickness of Plating abreast Deck openings in way of Bridge | <i>.40</i> | |
| „ in Holds „ „ | <i>deck girders as per</i> | | Thickness of Plating within line of openings... | <i>.40</i> | |
| „ „ „ „ „ | <i>approved plan</i> | | If Sheathed, material and thickness | <i>✓</i> | |
| Centre Line Bulkhead. | | | Third Deck. | | |
| Stiffeners and Spacing..... | <i>✓ 14.714</i> | | Stringer Plate, breadth and thickness..... | <i>✓</i> | |
| Plating, thickness of | <i>✓ 92.42</i> | | If Plated, state thickness..... | <i>✓</i> | |
| STRINGERS AND DECKS. | | | Fourth Deck. | | |
| Uppermost Continuous Deck. | | | Stringer Plate, breadth and thickness..... | <i>✓</i> | |
| Stringer Plate, breadth and thickness in Wells | <i>61 .62</i> | | If Plated, state thickness | <i>✓</i> | |
| „ „ „ „ in way of Bridge | <i>61 .50</i> | | Poop Deck. | | |
| „ Angle in Wells | <i>5 5 .70</i> | | Stringer Plate, breadth and thickness | <i>36 x .36</i> | |
| Thickness of Plating abreast Deck openings in way of Wells | <i>.50/.46</i> | <i>✓</i> | Plating, Sheathing, material and thickness ... | <i>.40 5 x 3 x .28</i> | |
| Thickness of Plating abreast Deck openings in way of Bridge | <i>.50/.44</i> | <i>✓</i> | Bridge Deck. | | |
| Thickness of Plating within line of openings... | <i>.44/.40</i> | <i>✓</i> | Stringer Plate, breadth and thickness..... | <i>70 .52</i> | |
| If Sheathed, material and thickness | <i>P.P. 5 x 2½ under Poop</i> | <i>✓</i> | Plating, Sheathing, material and thickness ... | <i>34 .44/.40</i> | |
| Second Deck. | | | Forecastle Deck. | | |
| Stringer Plate, breadth and thickness in Wells... | <i>51 .48</i> | <i>✓</i> | Stringer Plate, breadth and thickness | <i>36 .36</i> | |
| | | | Plating, Sheathing, material and thickness ... | <i>.34 .50 under windlass</i> | |

SHELL PLATING.

| SCANTLINGS. | | | | | RIVETING. | | | | | | | | |
|---|---------------|------------|------------|------------|--|-------------------|----------------------|------------------|-----------------------|---------------------------|---------|-----------------------|-------------------------|
| STRAKES. | AS IN VESSEL. | | | | ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED. | EDGES. | | | BUTTS. | | | | |
| | AMIDSHIPS. | | FORWARD. | AFT. | | State if joggled? | SINGLE OR DOUBLE. | RIVETS. | | No. of Rows OF RIVETS. | RIVETS. | | STRAIPPED OR LAPPED. |
| | Breadth. | Thickness. | Thickness. | Thickness. | | | | Diam. | Spacing cr. to cr. | | Diam. | Spacing cr. to cr. | |
| | Inches. | Inches. | Inches. | Inches. | | | Inches. | Inches. | | Inches. | Inches. | | |
| FLAT PLATE KEEL | 48½ | 1.06 | .74 | .74 | / | 2 R | BR per space | each row | 3.4.5 R. | 1 1/8 | 4 1/2 | Lapped | |
| „ DBLG. (if any) | ✓ | | | | | | | | | | | | |
| BOTTOM PLATING, No. of of Strakes <i>ABCD...</i> | 72 | .66 | .66 | .52 | / | 2 R | 1 1/8 | 3 1/4 | 3 3/8 | 4 | 7/8 | 4 D Lapped | |
| BILGE PLATING, No. of Strakes <i>.....E.....</i> | 68½ | .66 | .48 | .51 | / | " | 7/8 | 3 3/8 | 3 3/8 | 4 | 7/8 | 4 D " | |
| SIDE PLATING, No. of Strakes <i>FGH.....</i> | 68 | .66 | .46 | .48 | / | " | 7/8 | 3 3/8 | 3 3/8 | 3 | 7/8 | 3 1/2 D " | |
| UPPER DECK, Sheer- strake in Wells. <i>L..</i> | 57 | .94 | .46 | .46 | / | " | 1 | 3 1/4 | 3 1/4 | 5 | 1 1/8 | 4 1/2 D " | |
| UPPER DECK, Sheer- strake in Bridge <i>L..</i> | 57 | .66 | ✓ | ✓ | / | " | 7/8 | 3 3/8 | 3 3/8 | 3 | 7/8 | 3 1/2 D " | |
| STRAKE BELOW Sheer- strake in Wells. <i>K..</i> | 57 | .76 | .46 | .46 | / | " | 1 1/8 | 3 1/4 | 3 1/4 | 4 | 1 | 4 D " | |
| STRAKE BELOW Sheer- strake in Bridge ... | | .66 | | | / | | | | | | | | |
| POOP SIDE PLATING | | | | .40 | / | 1 R | 3/4 | BR for strake | 3/4 | 2 | 3/4 | 2 5/8 Lapped | |
| BRIDGE SIDE PLATING ... | | .70/.66 | | | / | 2 R | 7/8 | 3 3/8 | 3 3/8 | 4 | 7/8 | 4 " | |
| FOREC'TLE SIDE PLATING | | | .42 | | / | 1 R | 3/4 7/8 | 3 3/8 | 3 3/8 | 2 | 3/4 | 2 5/8 " | |

WATERTIGHT BULKHEADS.

| | |
|---|---|
| Total No. of W.T. BULKHEADS in Vessel— | 8 |
| Extending to Upper Deck (Sec. 3 c)..... | 7 |
| „ „ „ Deck next below..... | 1 |
| As per Rule..... | 7 |

| | | Plating Thickness. | STIFFENERS. | | | |
|-------------------------|-------------------|-----------------------|-------------------------------------|----------|-------------|----------|
| | | | VERTICAL. | | HORIZONTAL. | |
| | | | Scantlings. | Spacing. | Scantlings. | Spacing. |
| MIDSHIP BULKH'D, | Upper tween decks | .30/.28 | flanged 6" - 30" | | | / |
| " | Second " | ✓ | | | | |
| " | Third " | ✓ | | | | |
| " | Holds | .38/.35 | BA 10 x 3 1/2 x 54 | | | / |
| COLLISION | (in Hold) | .44/.32 | 10 x 3 1/2 x 54 BA 6 x 3 x 40 BA | | 24 | / |
| AFTER PEAK | " | .75/.28 | 7 x 3 x 42 x 6 1/2 flange | | 24 | Flat / |

FORGINGS and CASTINGS.

| | Casting or Forging. | Scantlings. | Maker's Name. | Any departure from approved plans to be noted. |
|--|---------------------------|--------------------------|--------------------------|--|
| KEEL, Bar | Flat plate | / | | |
| STEM | rolled steel | $10 \times 2\frac{7}{8}$ | / | |
| STERN FRAME { | Propeller Post | Cast steel | $10\frac{1}{2} \times 8$ | F. Krupp |
| | Rudder " | " " | $9\frac{1}{2} \times 8$ | A.G. / " |
| RUDDER—A × D | 498 | / | | |
| Speed of Vessel | " knots | / | | |
| RUDDER mainpiece at head ... | Forged steel | $10\frac{1}{2}$ | Langley Forge Co Ltd | Rule 10" |
| " " heel ... | " | 8 | / | " |
| " how constructed | Built plate & keyed arms. | / | | |
| " double or single plate | Single | 1.08 | / | |
| " coupling, vertical or horizontal | Vertical | / | | |

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth process.*
Dormer Long & Co., Consett Iron Co., R. Balliol Steel Wks, J. Ldville & Sons, Skinningrove Iron Works, Appleby Iron Co., Bolckow Vaughan & Co.,
Hoddingham Iron & Steel Wks, James Dunlop & Co., Stewart & Lloyds, Round Oak Steel Wks, Cargo Fleet Iron Co., The
Lanarkshire Steel Co, Société Anonyme d'Angrie - Marthayre, Société Anonyme des Usines métallurgiques de la Bassée
 Has the Steel been tested as required by the Rules? *Yes.*

| EQUIPMENT No. <u>36424</u> | | | | | | | | | | LETTER <u>a</u> | | ANCHORS. <u>4</u> | | | |
|----------------------------|--------------------|------------------------------|------|------|------------------|------|------|------------------------|-------|-----------------|------|---------------------------------|-----------------------|------------------|---|
| Number of Certificate. | Anchors. | WEIGHT, PER 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. | | | |
| 89902 | 1st Bower ... | 65 | 1 | 14 | ✓ | ✓ | ✓ | 51 | 5 | 0 | 0 | 64 ⁵ / ₁₆ | Halls | N. Hingley & Son | Nth 24/4/28 H. Green |
| 89901 | 2nd „ ... | 65 | 0 | 0 | ✓ | ✓ | ✓ | 51 | 0 | 0 | 0 | 64 ⁵ / ₁₆ | „ | „ | „ |
| 89903 | 3rd „ ... | 64 | 2 | 21 | ✓ | ✓ | ✓ | 50 | 17 | 2 | 0 | 64 ⁵ / ₁₆ | „ | „ | „ |
| | Collective weight. | 195 | 0 | 7 | | | | | | | | 194 ¹ / ₂ | | | |
| 89891 | Stream | 19 | 2 | 0 | 5 | 0 | 10 | 20 | 6 | 1 | 0 | 19 | Ordinary | „ | 20/4/28 „ |

| 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. | |
| | | | | | Supplied. | Per Rule. | | | | | | | | | | | | | |
| | Fathoms. | Ins. | Tons. | Tons. | Cwts. | qrs. | lbs. | Cwts. | Fathoms. | Ins. | | | | | Fathoms. | Ins. | Tons. | Fathoms. | Ins. |
| 80853 | 135 | 2 5/16 | 96 1/4 | 134 3/4 | 360.2-1 | | | 720 3/4 | 270 | 2 5/16 | End link | N. Hingley & Son | Nth 4/4/28 H. Green | TOWLINE | 120 | 5 1/4 | 80.3 | 120 | 5 1/4 |
| 80857 | 135 | " | " | " | 360.1-21 | | | | | | " | " | " 13/4/28 " | HAWSERS & WARPS | 2.90 | 2 3/4 | 22 | 2.90 | 2 3/4 |
| | 270 | | | | | | | | | | | | | " | 2.90 | 2 1/2 | 18.2 | 2.90 | 2 1/2 |
| | 90 | 5 | 73 tons | | | | | | 90 | 5 | | Wright's Ropes Ltd. | | " | | | | | |

Steering Gear, Steam *Brown's Tiller Type.* Steering Gear, Hand *Brown Bros.*

Boats *2 at 28'-0", 2 at 24'-0", 1 Dinghy* Steering Chains, Size and Test *✓* Windlass *Blanke, Chapman & Co.*

Ceiling in Holds, thickness and material *2 1/2 Spruce* Cargo Battens, thickness, material and spacing *6x2; Spruce; Spaces 9"*

Cargo Hatchways.—(Upper Deck) *Steel plates & angles* Thickness of Hatches *3"*

Size of No. 1 Hatchway (Forward) *22'-5 1/2" x 17'-1" No. 2 31'-5 1/2" x 17'-1" No. 3 11'-2" x 17'-1" No. 4 35'-11 1/2" x 17'-1 1/2" No. 5 22'-5 1/2" x 17'-1" No. 6 ✓ =*

Number of Shifting Beams and/or Fore and Afters *4 at n° 1, 5 at n° 2, 1 at n° 3, 6 at n° 4, 4 at n° 5*

CAMMELL LAIRD AND COMPANY LIMITED.
Builder's Signature *Robt. S. Johnson* MANAGING DIRECTOR

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *no* (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *No* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been constructed in accordance with the approved plans & instructions as well as with the 1921-2 printed rules.

The materials and workmanship are good

A freeboard of 6'-6" has been assigned, verified and the freeboard marks cut in on the vessels sides.

all double bottom tanks, deep tank, peak tanks, decks, tunnel and bulkheads have been satisfactorily tested.

Four forging & casting certificates and two plans - midship Section and Framing Plan (as built) - are forwarded herewith.

P. T. O.

The amount of Entry Fee £ *9 : 0 : 0* Fees applied for, *12 JULY 1928*

Special Survey Fee.... £ *349 : 18 : 0* Received by me, *23-8-28*

Freeboard
Travelling Expenses, if any £ *10 : 1 : 8*

State whether the Vessel has been built under Special Survey *Yes* I am of opinion the Vessel should be Classed ** 100 A1*

Certificate to be sent to *Liv* Date of issue *7/8/28* Signature *W. S. Shields & Geo. R. Ryle*
Surveyor to Lloyd's Register of Shipping.

Committee's Minute *LIVERPOOL 13 JULY 1928*

Character assigned *+100 A1-7.28.*
Lloyds A.R.C.P.
+ Lmc 7.28. Ch
Elec: Light

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

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 the Plans should be embodied.)

Sister Vessels - Messrs Cammell Laird's Yard No 934 S.S. Logician Liv. rpt. n. 939
Messrs Connell & Co's Yard No 408/9.

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

| | | | | |
|-----------|-------------|----|------|----------|
| 1st Bower | 38 - 2 - 26 | DW | 1416 | 16.3.28 |
| 2nd " | 38 - 2 - 2 | DW | 1417 | 16.3.28 |
| 3rd " | 37 - 2 - 14 | DW | 1414 | 16.3.28. |

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 37 ft., R.Q.D. ft., Bridge 137.25 ft., Forecastle 43.75 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 (see).

Official No. 149683 ; Signal Letters

particulars of composition.

Is bottom of Vessel coated with cement yes if not

PARTICULARS OF WATER BALLAST.—

| Where Fitted. | *Length. Feet. | Water Capacity. Tons. | Where Fitted. | *Length. Feet. | Water Capacity. Tons. |
|---|-------------------|--------------------------|--|-------------------|--------------------------|
| Double bottom, aft, | 119.25 | 325 | Fore peak tank, | | 62 |
| Double bottom, under Engines and Boilers, | 65.25 | 276 | After peak tank, | | 24 |
| Double bottom, if under Engines only, | | | Deep tank, aft, | 31.5 | 90 |
| Double bottom, if under Boilers only, | | | Deep tank, forward, | | |
| Double bottom, forward, | 177.75 | 545 | Other tanks, if fitted, | | |
| Total capacity of double bottom | | 1146 | (If necessary, furnish further information by sketch.) | | |

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

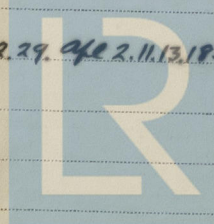
Order for Special Survey No 1210.

Date

20/12/27.

Dates of Surveys held while building

1927. Nov. 11. 16. 23. 24. 25. 28. 30. Dec. 1. 2. 8. 16. 30.
1928. Jan. 3. 9. 11. 19. 25. Feb. 1. 6. 10. 13. 16. 21. 27. 29. Mar. 1. 6. 7. 19. 22. 29. Apr. 2. 11. 13. 18. 20. 24. 30. May 1. 3. 4. 9. 10. 11. 14. 15. 17. 18.
22. 29. June 4. 5. 6. 7. 11. 14. 15. 20. 21. 25. 26. 27. 28. July 2.



Lloyd's Register Foundation

Total No. of Visits