

STEEL STEAMER or MOTORSHIP.

Received at London Office 21 MAR 1928

State if Report has been sent on the Freeboard of the Vessel YESState if Report is sent on the Machinery of the Vessel YESDate of completion of report 14th March 1928 Port of GREENOCK No. 18856Survey held at PORT GLASGOW Date First Survey 25th April 1924 Last Survey 14th March 1928On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) SINGLE SCREW STEAMER "CAPE ST ANDREW"State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FULL SCANTLING State Type of Erections POOP, BRIDGE & FUNNELTONNAGE under Tonnage Deck... 4770.99 CLASS 100A1 State if with freeboard as condition of Class No Built at PORT GLASGOWDo. 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 404.75 Launched FEBRUARY 10th 1928 Yard No. 381Total Breadth (greatest moulded) B 53.3 Builders ROBERT DUNCAN & Co.Gross Tonnage 5094.39 Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 29.00 Owners SUN SHIPPING CO LTDRegister Tonnage 3162.67 1st Longitudinal Number (L x D) = 11737.75 Managers COTTS (MITCHELL) & Co
(Where necessary to be entered in Reg. Book.)REGISTERED DIMENSIONS. FEET. Residence 38, HELEN'S PLACE, LONDON.Length 407.0 Framing Depth "d," at middle of length. See Sec. 3 (1d) 17.00 Port of Registry LONDONBreadth 53.5 Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.95 If surveyed while building, afloat, or in dry dockDepth 26.75 Do. Long Bridge to top of keel 11.08 BUILDING & AFLOATDraught Moulded TOP OF KEEL 24'-5 3/4"

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 | <u>30</u> | | Bracket Floors, Frame | <u>8 3/2 47</u> | |
| " " from 1/4 length to Collision bulkhead..... | <u>27</u> | | " " Reversed Frame..... | <u>7 1/2 3 47</u> | |
| " " in peaks..... | <u>24</u> | | " " Vertical Struts..... | <u>7 1/2 3 47</u> | |
| SIDE FRAMING. | | | Centre Girder, depth and thickness amidships | <u>40 x 52</u> | |
| Frame Amidships, Angle, [or] | <u>10 3 1/2 42</u> | | " " top Angles..... | <u>3 1/2 3 1/2 50</u> | |
| " " Extends up to..... | <u>2nd Dk.</u> | | " " bottom Angles..... | <u>4 4 56</u> | |
| Reversed Frame Amidships, Angle | <u>B.A. FRAMING</u> | | Side Girders, No. each side and thickness | <u>ONE @ 38</u> | |
| " " Extends up to..... | <u>✓</u> | | Margin Plate depth (excl. of flange) and thickness | <u>45 x 51</u> | |
| Depth of Framing Girder | <u>10</u> | | " " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem..... | <u>3 1/2 3 1/2 44</u> | |
| Frames in Uppermost Continuous 'tween Decks, Angle, [or] | <u>7 1/2 3 1/2 37</u> | | " " Vertical Angle to Tank side Bracket forward 1/4 len. from stem..... | <u>3 1/2 3 1/2 44</u> | |
| " " Second 'tween Decks, Angle, [or] | <u>✓</u> | | " " Gussets, spacing and scantling abaft 1/4 len. from stem..... | <u>EVERY 2nd</u> | <u>SCANTLING AS.</u> |
| " " Third " " " " " | <u>✓</u> | | " " Gussets, spacing and scantling forward 1/4 len. from stem..... | <u>EVERY FRAME</u> | <u>PER APPROV. PLAN</u> |
| Framing in Peaks, Angle or [..... | <u>7 1/2 3 38</u> | | Tank Side Brackets, height above base line at toe of Frame and thickness | <u>5 1/2 x 44</u> | |
| Diameter and Spacing of Rivets through Frame and Shell Plating amidships | <u>3/8" ABOUT 5 1/4</u> | | INNER BOTTOM PLATING. | | |
| State if Frame Joggled | <u>YES</u> | | Breadth and thickness of Middle Line Strake ... | <u>73 x 48</u> | |
| PANTING ARRANGEMENTS (Sec. 7), state system and particulars..... | <u>WEB FRAMES SYSTEM, 3 WEB FRAMES, 35 SIDE STRINGERS, 2 EXTRANER COSTALS, PLATING FRAMES FOR AS PER RULE APPROVED PLAN</u> | | Thickness of remainder in Holds..... | <u>43</u> | |
| STRENGTHENING OF BOTTOM FORWARD. State Particulars..... | <u>YES INCREASED OVER RULE REQUIREMENT.</u> | | 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?..... | | |
| SINGLE BOTTOM. | | | BEAMS. | | |
| Floors, Depth and thickness at mid-line in Holds | | | Uppermost Continuous Deck, amidships in Wells, Angle, [or] | <u>9 3 1/2 47</u> | |
| Height of Brackets at side above base line at toe of frame..... | | | " " in way of Bridge, Angle, [or] | <u>10 1/2 3 1/2 46</u> | |
| Middle Line Keelson, on Floors, Angles, [or] | | | Spacing..... | <u>30</u> | |
| " " Through Plate or Intercoastal Plate..... | | | Second Deck, amidships, Angle, [or] | <u>11 3 1/2 45</u> | |
| " " Foundation Plate on Floors..... | | | Spacing..... | <u>30</u> | |
| " " Flat Plate Keel Angles | | | Third Deck, amidships, Angle, [or] | | |
| Side Keelsons, No. each side | | | Spacing..... | | |
| " " thickness of Intercoastal Plate... | | | Fourth Deck, amidships, Angle, [or] | | |
| " " Angles..... | | | Spacing..... | | |
| DOUBLE BOTTOM. | | | Poop Deck, Angle, [or] | <u>7 3 42</u> | |
| Solid Floors, thickness and spacing | <u>40 EVERY 3RD.</u> | | Spacing..... | <u>30</u> | |
| " " Are Frame and Reversed Frame joggled?..... | <u>YES</u> | | Bridge Deck, Angle, [or] | <u>8 1/2 3 45</u> | <u>8 1/2 x 3 x 48</u> |
| Bracket Floors, breadth and thickness at middle line | <u>43 x 40</u> | | Spacing..... | <u>30</u> | |
| " " breadth and thickness at margin plate..... | <u>54 x 40</u> | | Forecastle Deck, Angle, [or] | <u>8 3 41</u> | <u>8 x 3 x 42</u> |
| | | | Spacing..... | <u>27</u> | |

| 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 | | CENTRELINE BHP | | Stringer Plate, breadth and thickness in way of Bridge | | 8 1/2 x 36 | | | |
| " in 'tween Decks, Size and Spacing | | 14" REINFORCED HATCH | | Thickness of Plating abreast Deck openings in way of Wells | | 35 | | | |
| " " " " " | | SIDES HATCH END | | Thickness of Plating abreast Deck openings in way of Bridge | | 32 | | | |
| " in Holds | | BEAMS | | Thickness of Plating within line of openings | | NOT SHEATHED | | | |
| " " " " " | | | | If Sheathed, material and thickness | | 32-30 | | | |
| Centre Line Bulkhead. | | | | Third Deck. | | | | | |
| Stiffeners and Spacing | | * 10 3/4 x 48 B.F. SPACED 5'-0" | APP 10 3/4 x 56 B.F. | Stringer Plate, breadth and thickness | | | | | |
| Plating, thickness of | | 30 | | If Plated, state thickness | | | | | |
| STRINGERS AND DECKS. | | | | Fourth Deck. | | | | | |
| Uppermost Continuous Deck. | | | | Stringer Plate, breadth and thickness | | | | | |
| Stringer Plate, breadth and thickness in Wells | | 84 x 92 | (as per) | If Plated, state thickness | | | | | |
| " " " " in way of Bridge | | 84 x 39 | | Poop Deck. | | | | | |
| " Angle in Wells | | 6 x 6 x 92 | | Stringer Plate, breadth and thickness | | 35 x 34 | | | |
| Thickness of Plating abreast Deck openings in way of Wells | | 58 | | Plating, Sheathing, material and thickness | | 32 1/2 SHEATHED 3" PP | | | |
| Thickness of Plating abreast Deck openings in way of Bridge | | 35 | | Bridge Deck. | | | | | |
| Thickness of Plating within line of openings | | 40 1/4 AS APPROVED | | Stringer Plate, breadth and thickness | | 75 x 55 | APP 50 | | |
| If Sheathed, material and thickness | | NOT SHEATHED | | Plating, Sheathing, material and thickness | | 47-43 NOT SHEATHED | 42-38 | | |
| Second Deck. | | | | Forecastle Deck. | | | | | |
| Stringer Plate, breadth and thickness in Wells | | 8 1/2 x 37 | | Stringer Plate, breadth and thickness | | 34 x 34 | | | |
| | | | | Plating, Sheathing, material and thickness | | 34 NOT SHEATHED | APP 28 SHEATHED | | |

| SHELL PLATING. | | | | | | | | | |
|-------------------------------------|---------------|------------|----------|------|-------------------|--|--|--|--|
| SCANTLINGS. | | | | | RIVETING. | | | | |
| STRAKES. | AS IN VESSEL. | | | | EDGES. | | | | |
| | AMIDSHIPS. | | | | BUTTS. | | | | |
| | Breadth. | Thickness. | Forward. | AFT. | State if Joggled? | | | | |
| FLAT PLATE KEEL | 49 | 77 | 67 | 67 | No | | | | |
| " (if any) | | | | | | | | | |
| BOTTOM PLATING, No. of Strakes | THREE | 62 | 59 | 50 | | | | | |
| BILGE PLATING, No. of Strakes | ONE | 62 | 46 | 53 | | | | | |
| SIDE PLATING, No. of Strakes | THREE | 62 | 44 | 49 | | | | | |
| UPPER DECK, Sheer-strake in Wells | 50 | | 76 | 86 | | | | | |
| UPPER DECK, Sheer-strake in Bridge | 50 | 62 | | | | | | | |
| STRAKE BELOW SHEER-strake in Wells | 64 | | 66 | 72 | | | | | |
| STRAKE BELOW SHEER-strake in Bridge | 64 | 62 | | | | | | | |
| POOP SIDE PLATING | | | | 38 | | | | | |
| BRIDGE SIDE PLATING | | 60 | | | | | | | |
| FORECASTLE SIDE PLATING | | | 40 | | | | | | |

| WATERTIGHT BULKHEADS. | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| Total No. of W.T. BULKHEADS in Vessel— | | | | | | | | | |
| Extending to Upper Deck (Sec. 3 c) SIX | | | | | | | | | |
| " Deck next below NONE | | | | | | | | | |
| As per Rule SIX | | | | | | | | | |
| FORGINGS AND CASTINGS. | | | | | | | | | |
| Casting or Forging. | | | | | | | | | |
| Scantlings. | | | | | | | | | |
| Maker's Name. | | | | | | | | | |
| Any departure from approved plans to be noted. | | | | | | | | | |
| KEEL, Bar | | | | | | | | | |
| STEM | | | | | | | | | |
| STERN FRAME | | | | | | | | | |
| RUDDER—A x D | | | | | | | | | |
| Speed of Vessel | | | | | | | | | |
| RUDDER mainpiece at head | | | | | | | | | |
| " " heel | | | | | | | | | |
| " how constructed | | | | | | | | | |
| " double or single plate | | | | | | | | | |
| " coupling, vertical or horizontal | | | | | | | | | |
| STIFFENERS. | | | | | | | | | |
| VERTICAL. | | | | | | | | | |
| HORIZONTAL. | | | | | | | | | |
| MIDSHIP BULKHEAD, Upper tween decks | | | | | | | | | |
| " " Second | | | | | | | | | |
| " " Third | | | | | | | | | |
| " " Holds | | | | | | | | | |
| COLLISION (in Hold) | | | | | | | | | |
| AFTER PEAK | | | | | | | | | |
| Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) | | | | | | | | | |
| CONSETT, STEEL CO OF SCOTLAND, COLVILLE, LANARKSHIRE, BEARDMORE, DUNLOP. | | | | | | | | | |
| Has the Steel been tested as required by the Rules? YES | | | | | | | | | |

EQUIPMENT No. 35363

LETTER 2

41 MAR 1928

| Number of Certificate. | Anchor. | WEIGHT EX. STOCK | WEIGHT OF STOCK | TEST, PER CERTIFICATE | WEIGHT REQUIRED BY TABLE 53. | Description of Anchor. | Makers. | Where and when tested and Superintendent. |
|------------------------|-----------|------------------|-----------------|-----------------------|------------------------------|------------------------|--------------|---|
| 30684 | 1st Bower | 60 3 14 | 50 3 14 | 48 17 2 0 | 63 1/2 | ROVERS IMPROVED | NOT GIVEN | SUNDERLAND 18/28 J.H. BUTLER. |
| 30713 | 2nd " | 60 3 0 | 50 3 0 | 48 15 0 0 | 63 1/2 | " | " | " 18/28 " |
| 30688 | 3rd " | 60 3 0 | 50 3 0 | 48 15 0 0 | 54 1/2 | " | " | " 18/28 " |
| 43141 | Stream | 182 1 14 | 172 1 14 | 18 14 1 14 | 182 | ORDY. F.G.D. W. J. | RSYKES & SON | GLASGOW 11/27 LE PAUL |

CHAIN CABLES.

| Number of Certificate. | Length and size supplied. | Test per Certificate. | WEIGHT OF CHAIN CABLE. | Length and size supplied. | Description. | Makers of Cables. | Where and when tested, and Superintendent. | Material. | Length and size supplied. | Test of Steel Wire. | Length and size per Table 53. |
|--------------------------------|---------------------------|-----------------------|------------------------|---------------------------|--------------|------------------------|--|-----------|---------------------------|---------------------|-------------------------------|
| 31298 | 270 2 1/4 9 1/8 | 127 1/2 | 692 2 1/4 | 682 1/4 | 270 2 1/4 | SPUDLINE RSYKES & SON. | GLASGOW 11/27 LE PAUL | TOWLINE | 20 90 2 1/4 | 15 1/2 | 20 90 2 1/4 |
| Iron Steam Chain or Steel Wire | 90 4 3/4 | 47 | | | 90 4 3/4 | | | | 20 90 2 1/2 | 12 1/2 | 20 90 2 1/2 |

Steering Gear, Steam HASTIE'S TELE MOTOR CONTROL

Steering Gear, Hand RELIEVING TACKLE FROM AFTER WINCH

Boats 2 LIFEBOATS @ 21' 4" ON DECK

Steering Chains, Size and Test

STEAM Windlass CLARKE, CHAPMAN & CO

Ceiling in Holds, thickness and material

2 1/2" W. POVER TANK TOP BLGES

Cargo Battens, thickness, material and spacing

6 x 2 W.P. SPACED 9" APART.

Cargo Hatchways—(Upper Deck)

30" x 44 COAMINGS

Thickness of Hatches 2 1/2"

BRIDGE DECK

BRIDGE DECK

BRIDGE DECK

Size of No. 1 Hatchway (Forward)

27' x 19'

No. 2 30' x 19'

No. 3 25' x 19'

No. 4 32' 6" x 19'

No. 5 32' 6" x 19'

No. 6

Number of Shifting Beams and/or Fore and Afters

Nos 1, 4 & 5 = 5 SHIFTING BEAMS

Nos 2 & 3 = 4 SHIFTING BEAMS

Builder's Signature

Robert Duncan & Co Ltd

per Alex. Kelly

GENERAL DECLARATION

This vessel has been built in accordance with the approved plans and in general conformity with the Society's rules for the class contemplated.

The workmanship is good and the materials used in the vessels construction are also good.

The freeboard has been verified and the marks cut in on the vessels sides

The double bottom tanks, after peak tank and the fore peak have been tested to rule requirements and found satisfactory.

The weather decks, W.T. bulkheads and tunnel were hose tested and found satisfactory.

The amount of Entry Fee

9 : 0 : 0

Fees applied for,

15" MARCH 1928

Special Survey Fee

327 : 7 : 0

Received by me,

16" MARCH 1928

Travelling Expenses, if any £

10 : 1 : 8

I am of opinion the Vessel should be Classed

+100A.1.

State whether the Vessel has been built under Special Survey

YES

Signature

Remond Inglis

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to

Glasgow Office

Date of issue

28/3/28

Committee's Minute

GLASGOW 20 MAR 1928

Character assigned

+100A.1

3.20.

Lloyd's A.C.P.

+L.M.C. 3.20.28.

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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.)

Rpt. 4.

This vessel is a sister vessel of the *S. S. Reynolds* Greenock first entry report No 18653.

The following plans are herewith enclosed:-

Midship section

Profile & Deck plans

Rudder & Stern frame

Pumping arrangement

Amended hatch end beams & side coamings at Nos 2 & 5 hatches.

Stiffening at bridge ends

Amended sketch of gussets & margin connections

Second deck in way of E & B casing

Watertight bulkheads & tunnel

Tiller

Stiffening at fore & after ends & painting arrangements

The plans of midship section and profile & deck plans of vessel as built are also enclosed together with the forging reports of stern frame, rudder frame & tiller

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

1st Bower 36.1.18: R.W. \$: 6713 : 23/12/27.
2nd " 35.1.17: R.W. \$: 6723 : 23/12/27.
3rd " 36.1.14: R.W. \$: 6724 : 28/12/27.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 36.75 ft., R.Q.D. ✓ ft., Bridge 24.25 ft., Forecastle 33.5 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 (Stl)

Official No. 160385 ; Signal Letters

Is bottom of Vessel coated with cement YES if not g

particulars of composition SHELL PLATING IN DOUBLE BOTTOM ENTIRELY COVERED WITH CEMENT.

PARTICULARS OF WATER BALLAST.—

| Where Fitted. | Length. Feet. | Water Capacity. Tons. | Where Fitted. | Length. Feet. | Water Capacity. Tons. |
|--|------------------|--------------------------|--|------------------|--------------------------|
| Double bottom, aft, | 135 | 500 | Fore peak tank, | | 19 |
| Double bottom, under Engines and Boilers, | | | After peak tank, | | |
| Double bottom, if under Engines only, | 22.5 | 112 | Deep tank, aft, | | |
| Double bottom, if under Boilers only, 17.6" DRYTANK W.T. COMPARTMENT | 176 | 628 | Deep tank, forward, | | |
| Double bottom, forward, | | | Other tanks, if fitted, | | |
| | 212.0 | 1240 | (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. 3211

Date 14th March 1924

Dates of Survey held while building

(1924) Apr. 25 May 12 14 14 23 24 June 9 16 20 21 22 24 28 July 15 18 20 22 24 28 Aug 1 3 4 8 10 11 12 15 14 18 19 20 26 29 30 31 Sept 2 5 8 9 12 14 15 20 29 Oct 3 5 14 17 21 24 Nov 1 9 11 14 18 22 29 Dec 2 5 4 12 15 19 21 26 29 (1928) Jan 5 9 11 12 14 18 19 23 24 31 Feb 1 4 8 9 12 14 15 20 29 Mar 3 5 14 17 21 24 Nov 1 9 11 14 18 22 29 Dec 2 5 4 12 15 19 21 26 29 (1928) Jan 5 9 11 12 14 18 19 23 24 31 Feb 1 4 8 9 12 14 15 20 29 Mar 3 5 14 17 21 24

Total No. of Visits 8