

STEEL STEAMER or MOTORSHIP.

18 FEB 1930

Received at London Office

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel Yes

Date of completion of report 15.2.30

Port of NEWCASTLE-UPON-TYNENo. 85338Survey held at NewcastleDate First Survey 5 Sept 1929Last Survey 12 Feb 1930

1930

On the (State if Machinery fitted Aft andSingle ScrewWAINUIState Type (Full Scantling, Complete SuperstructureFull ScantlingState Type of Erections Boop, Bridge & 4'leTONNAGE under
Tonnage Deck...1356.89CLASS 100 A.1State if with freeboard
as condition of Class NoBuilt at HebburnDo. 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 241'-0"

FEET.

Breadth (greatest moulded) B 38'-0"D 21'-0"

Total

Gross Tonnage 1633.10Register Tonnage 822.39Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c) D 21'-0"1st Longitudinal Number (L x D) = 50612nd Numeral L x (B + D) = 14219Framing Depth "d," at middle of length. See
Sec. 3 (1d) 9.66
18.16Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel 11.48Do. Long Bridge to top
of keel 8.53Draught Moulded 18'-7 3/8"Launched 14th Jan'y 1930 Yard No. 569Builders Messrs R & W Hawthorn & Leslie & Co LtdOwners Union Steamship Co of New Zealand Ltd

Managers

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

Residence Wellington New ZealandPort of Registry WellingtonIf surveyed while building, afloat, or in dry dock
while building, afloat, & in dry docks.

REGISTERED DIMENSIONS.

FEET.

Length 242.0Breadth 38.2Depth 19.0

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 | 24" | | Bracket Floors, Frame | — | |
| " " from 1/2 length to Collision bulkhead | 24" | | " " Reversed Frame | — | |
| " " in peaks | 24" | | " " Vertical Struts | — | |
| SIDE FRAMING. | | | Centre Girder, depth and thickness amidships | 34" x 44" | |
| Frame Amidships, Angle, E or C | 6 3 45 NB | | " " top Angles | single 3 3/4 x 40 double 3 3/4 x 40 | |
| " " Extends up to | To 2nd deck To upper dk in way of E & B | | " " bottom Angles | single 3 3/4 x 44 double 3 3/4 x 44 | |
| Reversed Frame Amidships, Angle | Web frames & deep stringer in E & B | | Side Girders, No. each side and thickness | 1 @ 32" | |
| " " Extends up to | as per approved plans | | Margin Plate depth (excl. of flange) and thickness | 23 1/2 x 38" | |
| Depth of Framing Girder | 6" | | " " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem | 3 3 32" | |
| Frames in Uppermost Continuous 'tween Decks, Angle, E or C | 5 1/2 3 34" | | " " Vertical Angle to Tank side Bracket forward 1/2 len. from stem | 3 3 32" | |
| " Second 'tween Decks, Angle, E or C | from 2nd to upper dk in way of E & B | | " " Gussets, spacing and scantling abaft 1/2 len. from stem | Continuous Gusset plate fore & aft | |
| " Intermediate L frames in poop | 3 3 30" | | " " Gussets, spacing and scantling forward 1/2 len. from stem | 50 x 35" | |
| " Intermediate L " " fore | 3 3 30" | | Tank Side Brackets, height above base line at toe of Frame and thickness | | |
| Framing in Peaks, Angle or C | 5 1/2 3 34" | | INNER BOTTOM PLATING. | | |
| Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships | 6 3 34" | | Breadth and thickness of Middle Line Strake ... | 44" x 38" | |
| State if Frame Joggled | Yes | | Thickness of remainder in Holds | 34 x 32 | |
| PANTING ARRANGEMENTS (Sec. 7), state system and particulars) | deep framing in connection with 2 plate stringers closer spaced lnts 5 x 5 x 34 frames with 2 complete rows of closely spaced rivets in edg flange | | 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 | Thicknesses have been further increased per owners require- ment (see Midship Section) |
| STRENGTHENING OF BOTTOM FOR- WARD. State Particulars | | | BEAMS. | | |
| SINGLE BOTTOM. | | | Uppermost Continuous Deck, amidships in Wells, Angle, E or C | 5 3 42 NB | |
| Floors, Depth and thickness at mid-line in Holds | | | " " in way of Bridge, Angle, E or C | 5 3 42 NB | |
| Height of Brackets at side above base line at toe of frame | | | Spacing | 24" | |
| Middle Line Keelson, on Floors, Angles, E or C | | | Second Deck, amidships, Angle, E or C | 6 3 40 NB | |
| " " Through Plate or Intercostal Plate | | | Spacing | 24" | |
| " " Foundation Plate on Floors | | | Third Deck, amidships, Angle, E or C | — | |
| " " Flat Plate Keel Angles | | | Spacing | — | |
| Side Keelsons, No. each side | | | Fourth Deck, amidships, Angle, E or C | — | |
| " " thickness of Intercostal Plate... | | | Spacing | — | |
| " " Angles | | | Poop Deck, Angle, E or C | 4 1/2 3 34" | |
| DOUBLE BOTTOM. | | | Spacing | 24" | |
| Solid Floors, thickness and spacing | 32 @ 24 spac | | Bridge Deck, Angle, E or C | 6 3 34" | |
| " " Are Frame and Reversed Frame joggled? | Yes | | Spacing | 24" | |
| Bracket Floors, breadth and thickness at middle line | none | | Forecastle Deck, Angle, E or C | 6 3 36" | |
| " " breadth and thickness at margin plate | — | | Spacing | 24" | |

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..... | 2 | | Stringer Plate, breadth and thickness in way of Bridge | 42 x 34 | |
| " in 'tween Decks, Size and Spacing..... | | | Thickness of Plating abreast Deck openings in way of Wells | 30 | |
| " " " " " " | | | Thickness of Plating abreast Deck openings in way of Bridge | 30 | |
| " in Holds " " | | | Thickness of Plating within line of openings... | 30 | |
| " " " " " " | | | If Sheathed, material and thickness | none | |
| Centre Line Bulkhead. | | | Third Deck. | | |
| Stiffeners and Spacing..... | | | Stringer Plate, breadth and thickness..... | — | |
| Plating, thickness of | | | If Plated, state thickness..... | — | |
| STRINGERS AND DECKS. | | | Fourth Deck. | | |
| Uppermost Continuous Deck. | | | Stringer Plate, breadth and thickness..... | — | |
| Stringer Plate, breadth and thickness in Wells | 45 x 44 | 45 x 36 | If Plated, state thickness | — | |
| " " " " in way of Bridge | 45 x 34 | | Poop Deck. | | |
| " Angle in Wells | 5 5 48 | | Stringer Plate, breadth and thickness | 24 x 30 | |
| Thickness of Plating abreast Deck openings in way of Wells | 40 | 32 | Plating, Sheathing, material and thickness ... | 26 2 1/2 P.P. | |
| Thickness of Plating abreast Deck openings in way of Bridge | 30 | | Bridge Deck. | | |
| Thickness of Plating within line of openings... | 30 | | Stringer Plate, breadth and thickness..... | 43 x 34 | |
| If Sheathed, material and thickness | 1/2 Teakoid under Bridge only | | Plating, Sheathing, material and thickness ... | 30 2 1/2 P.P. | |
| Second Deck. | | | Forecastle Deck. | | |
| Stringer Plate, breadth and thickness in Wells... | 42 x 34 | | Stringer Plate, breadth and thickness | 24 x 30 | |
| | | | Plating, Sheathing, material and thickness ... | 26 2 1/2 P.P. | |

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. | STRAPPED OR LAPPED. |
| | Breadth. | Thickness. | Thickness. | Thickness. | | SINGLE OR DOUBLE. | RIVETS. | Diam. | Spacing cr. to cr. | | |
| | Inches. | Inches. | Inches. | Inches. | | | Inches. | Inches. | | | |
| FLAT PLATE KEEL | 44 | 55 | 53 | 56 | 44 x 55 - 50 | Double | 7/8 | 3 3/4 | Treble | 7/8 | lapped |
| " DBLG. (if any) | | | | | | | | | | | |
| BOTTOM PLATING, No. of Strakes | | 45 | 45 | 41 | 45 - 45 F. 38A | Double | 3/4 | 3 | Treble | 3/4 | lapped |
| BILGE PLATING, No. of Strakes | | 45 | 38 | 38 | | upper edge single. | " | " | " | " | " |
| SIDE PLATING, No. of Strakes | | 44 | 38 | 38 | | single | " | " | " | " | " |
| UPPER DECK, Sheer-strake in Wells..... | 46 | 53 | 40 | 38 | 53 - 38 | double to single | 7/8 | 3 3/4 | " | 7/8 | " |
| UPPER DECK, Sheer-strake in Bridge ... | 46 | 44 | | | | single | 3/4 | 3 | " | 3/4 | " |
| STRAKE BELOW Sheer-strake in Wells..... | 46 | 49 | 38 | 38 | | single | " | " | " | " | " |
| STRAKE BELOW Sheer-strake in Bridge ... | 46 | 44 | | | | single | " | " | " | " | " |
| POOP SIDE PLATING | | 30 | | | | single | " | " | single | " | " |
| BRIDGE SIDE PLATING ... | | 41 | | | | single, double at B. ends | " | " | Treble | " | " |
| FORECASTLE SIDE PLATING | | 32 | | | | single | " | " | single | " | " |

WATERTIGHT BULKHEADS.

| | |
|---|---|
| Total No. of W.T. BULKHEADS in Vessel— | |
| Extending to Upper Deck (Sec. 3 c)..... | 4 |
| " 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 | | Flat plate Keel | | |
| STEM | Rolled steel | 1 1/2" x 2" | lanarkshire | |
| STERN FRAME { Propeller Post | Forged | 1 1/2" x 5 1/2" | T.S. Forster | |
| { Rudder | Iron. | 6 3/4" x 5 1/2" | | |
| RUDDER—A x D..... | | 152.5 | | |
| Speed of Vessel..... | | 10 Knots | | |
| RUDDER mainpiece at head ... | Forged steel | 6 1/8" above coupling | | |
| | post. Strap | 6 3/8" below " | T.S. Forster | |
| " " heel ... | Iron arms. | 4 3/4" | | |
| " how constructed | | arms shrunk on & keyed to stock | | |
| " double or single plate | | single | | |
| " coupling, vertical or horizontal..... | | horizontal | | |

| | |
|---------------|--|
| STEEL. | Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) |
| | Dorman Long, Consett Iron Co., South Durham steel & Iron Co., Appleby Iron Co. |
| | Open Hearth Process |
| | Has the Steel been tested as required by the Rules? Yes |

| EQUIPMENT No. 14950 | | | | | | | | | | | | LETTER "P" | ANCHORS. | | |
|------------------------|--------------------|------------------|------|------|------------------|------|------|------------------------|-------|------|------|------------------------------|--------------------------|---------|---|
| Number of Certificate. | Anchors. | WEIGHT, BY 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. | | | |
| 32689 | 1st Bower ... | 29 | 1 | 0 | | | | 28 | 1 | 1 | 0 | 29 | Byres Improved stockless | - | Sunderland 18. 12. 29 J.H.B. |
| 32696 | 2nd „ ... | 29 | 1 | 21 | | | | 28 | 5 | 0 | 0 | 29 | „ „ „ | | „ 20. 12. 29 J.H.B. |
| 32754 | 3rd „ ... | 29 | 1 | 0 | | | | 28 | 1 | 1 | 0 | 29 | „ „ „ | | „ 10. 1. 30 J.H.B. |
| | Collective weight. | 87 | 3 | 21 | | | | | | | | 87 | | | |
| 44985 | Stream | 7 | 3 | 16 | 2 | 0 | 12 | 10 | 0 | 1 | 4 | 7 3/4 | Iron stock | | Cradley Heath 23. 12. 29 LCP. |

| CHAIN CABLES. | | | | | | | | | | HAWSERS AND WARPS. | | | | | | | | | |
|---------------------------------|---------------------------|--------|-----------------------|-----------|------------------------|-----------|----|---------|-------------------------------|--------------------|--------------|-------------------|--|-----------------|---------------------------|-------|------------------------------|-------------------------------|-------|
| Number of Certificate. | Length and size supplied. | | Test per Certificate. | | WEIGHT OF CHAIN CABLE. | | | | Length and size per Table 53. | | Description. | Makers of Cables. | Where and when tested, and Superintendent. | Material. | Length and size supplied. | | Breaking Test of Steel Wire. | Length and size per Table 53. | |
| | Length. | Diam. | Statutory. | Breaking. | Supplied. | Per Rule. | | | Length. | Diam. | | | | | Length. | Cir. | | Length. | Cir. |
| 16559 | 90 | 1 1/16 | 4 1/2 | 66 1/2 | 119 | 0 | 21 | | 240 | 1 1/16 | Stud Link | | Sund 15. 1. 30 J.H.B. | | 90 | 3 1/4 | 22 | 90 | 3 1/4 |
| 16544 | 30 | " | " | " | 40 | 0 | 7 | 319 1/2 | | | | | " 15. 1. 30 " | TOWLINE | | | | | |
| 43449 | 15 | " | " | " | 19 | 3 | 25 | | | | | | C.H. 31. 12. 29 LCP. | HAWSERS & WARPS | 20 90 | 2 1/4 | 9 1/2 | 20 90 | 2 1/4 |
| 43480 | 15 | " | " | " | 19 | 3 | 24 | | | | | | " 31. 12. 29 " | | | | | | |
| 43883 | 60 | " | " | " | 79 | 3 | 21 | | | | | | " 31. 12. 29 " | | 20 90 | 1 3/4 | 5 1/2 | 20 90 | 1 3/4 |
| 44006 | 30 | " | " | " | 40 | 1 | 7 | | | | | | " 20. 1. 30 " | | 40 90 | 6 | Manilla. (browns) | | |
| Total | 240 | | | | 319 | 1 | 21 | | | | | | | | | | | | |
| Iron Stream Chain or Steel Wire | 75 | 3 3/4 | | 29 | | | | | 75 | 3 3/4 | Steel Wire. | | | | | | | | |

| | | | | |
|---|--|--|---|-----------------|
| Steering Gear, Steam | Messrs Brown Bros. steam. | Steering Gear, Hand | An arrangement of blocks & tackle in lieu of hand gear. | |
| Boats | 2 lifeboats 25'-0" | Steering Chains, Size and Test | none. Telemotor Gear | |
| | | Windlass | Clarke Chapman & Co | |
| Ceiling in Holds, thickness and material | 2 1/2" W.P. laid on 2" battens. in addition 2" oak under hatchways. | Cargo Battens, thickness, material and spacing | 6 x 2" W.P. fitted vertically 2 in each frame space. | |
| Cargo Hatchways.-(Upper Deck) | Coamings. 30" high. 50 Sides. 44 ends. | Thickness of Hatches | 3" | |
| Size of No. 1 Hatchway (Forward) | 14'-0" x 15'-0" | No. 2 | 22'-0" x 15'-0" | |
| | No. 3 | 16'-0" x 15'-0" | No. 4 | 14'-0" x 15'-0" |
| | No. 5 | — | No. 6 | — |
| Number of Shifting Beams and/or Fore and Afters | 2 in Nos 1, 3 & 4. hatchways | 3 | in No 2 hatch way. | |
| FOR R. & W. HAWTHORN, LESLIE & Co. LIMITED | | | | |
| Builder's Signature | | R. W. Hawthorn | | |

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

Oil fuel is carried in No 2 Double bottom Tank & side settling Tanks. Further, Nos 1 & 5 Tanks can be used as additional compartments for the carriage of oil fuel. Flash point above 150°F.

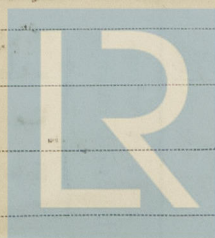
This vessel has been built in accordance with the approved plans, the Committee's instructions & the Society's Rules. The workmanship & materials are good and to my satisfaction. All double bottom tanks, peaks & settling tanks have been tested under pressure to rule requirements. W.T. Bulkheads (not tested under pressure) weather decks & tunnel have been hose tested.

The assigned freeboards have been marked on vessels sides verified and cut in. All the requirements of the rules regarding the carrying of oil fuel have been complied with.

The approved plans & forging reports are attached. Print of midship section of vessel as built already forwarded.

| | | | |
|--|-------------------|--|----------------|
| The amount of Entry Fee | £ 5 : 0 : 0 | Fees applied for. | 17 FEB 1930 |
| Special Survey Fee.... | £ 156 : 13 : 0 | Received by me, | 20/2/30 |
| Travelling Expenses, if any | £ : : | | |
| State whether the Vessel has been built under Special Survey | Yes | I am of opinion the Vessel should be Classed | + 100A1 |
| Certificate to be sent to | Newcastle-on-Tyne | Signature | G. M. J. J. J. |
| Date of issue | 19/2/30 | Surveyor to Lloyd's Register of Shipping. | |

| | |
|---------------------|--------------------------|
| Committee's Minutes | FRI. 21 FEB 1930 |
| Character assigned | + 100A1 |
| | Lloyd's A.R.C.P. |
| | Fitted for oil fuel 2.30 |
| | F.P. above 150°F |



© 2020

Lloyd's Register Foundation

002418-002426-0218 2/2

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.)

PILLAR

"

"

"

"

Centr
Stiff

Plat

STRING
Upper
Stri

"

"

Thic
in

Thic
in

Thic

If S

Secon
Strin

STE

FLAT PLA

"

BOTTOM
of Stra

BILGE PL
Strake

SIDE PL
Strake

UPPER I
strake

UPPER I
strake

STRAKE
strake

STRAKE
strake

POOP SID

BRIDGE S

FOREO'TL

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

1st Bower 14-3-19 19-2-14 with pin K.H. Dusseldt 4180 14-11-29
2nd " 14-2-18 19-2-0 " " K.H. " 4149 14-11-29
3rd " 18-0-2 19-3-0 " " M.B. " 4385 24-12-29

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 26.56 ft., R.Q.D. — ft., Bridge 40.0 ft., Forecastle 26.52 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 decks (ste).

Official No. ; Signal Letters Is bottom of Vessel coated with cement ^{In feed & F.W. Tanks} only if not give
particulars of composition In nos 1 & 5 Tanks "oil fuel" bitumastic * (no 2 Tank - permanent oil fuel Tank) -

PARTICULARS OF WATER BALLAST.—

| Where Fitted. | *Length. | Water Capacity. | Where Fitted. | *Length. | Water Capacity. |
|---|----------|-----------------|--|----------|-----------------|
| | Feet. | Tons. | | Feet. | Tons. |
| Double bottom, aft, | 58-0 | 42 | Fore peak tank, | 14.5 | 22 |
| Double bottom, under Engines and Boilers, | 32-0 | 46 | After peak tank, | 14.0 | 42 |
| Double bottom, if under Engines only, | | | Deep tank, aft, | | |
| Double bottom, if under Boilers only, | | | Deep tank, forward, | | |
| Double bottom, forward, | 102-0 | 189 | 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. | | | | | |
| 192-0 337 | | | | | |

Order for Special Survey No. 5373

Date 28.9.29

Dates of Surveys
held while building

1929
Sep. 5. 6. 9. 11. 13. 24. 26. 30. Oct. 3. 4. 8. 9. 11. 14. 15. 16. 17. 25. 29. 31. Nov. 1. 4. 5. 8. 12. 20. 25. 26. 27.
1930
Dec. 3. 4. 5. 6. 9. 10. 13. 16. 17. 18. 20. 21. 23. 27. 31. Jan. 8. 10. 14. 15. 16. 21. 22. 27. 28. 29. 30. 31. Feb. 3. 4.
5. 6. 7. 10. 11. 12.

Total No. of Visits 64