

THU. JUL. 22 1920

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office

Date of completion of report 14th July 1920.
Survey held at Renfrew

State if Report is also sent on the Machinery of the Vessel Yes
Port of Glasgow
Date, First Survey 28. 10. 19. Last Survey 14th July 1920.

No. H-0181
Pole Mast.
19 20.

On the NON-PROPELLING HOPPER BARGE "G.W.C. No. 11." Rig

CLASS +A1 "HOPPER BARGE" FEET.

Master ✓
Year of appointment 1920
(1) As Master in service of owner of present vessel: 19
(2) As Master of this vessel: 19

TONNAGE under 427.29
Tonnage Deck ✓
Do. between Dk. and 3rd and 4th Dk. ✓
Total under Upper Dk. ✓
Do. of Poop ✓
Do. of R.Q.Dk. ✓
Do. of Bridge House ✓
Do. of Fore-cabin 28.73
Do. of Houses on Dk. ✓
Do. of excess of Hatchways ✓
Do. above Crown of ✓
Engine Room 456.82
Gross Tonnage 20.64
Less Crew Space ✓
Less above Crown of ✓
Engine Room 435.38
TONNAGE FOR FEES ✓
Less Engine Room 10.26
Less Navigation Spaces ✓
under Section 74 ✓
Register Tonnage 425.12
as cut on Beam ✓

Breadth (greatest moulded) 30.5
Depth, at middle of length from top of keel to top of upper deck beams at side 11.75
Transverse Number 42.25
Length on deck from fore part of stem to after part of stern post 160.0
Longitudinal Number 6760.0
Depth "d," at middle of length (See Secs. 2 & 13) 10.54
Proportions—Depths to Length—Upper Deck Beam at side to top of keel 13.61
" " Long Bridge Deck Beam at side to top of keel ✓

Built at Renfrew
When built 1920 Launched 2nd July 1920.
By whom built Lobnitz & Co. Ltd.
Owners GENERAL WORKS CONSTRUCTION CO. LTD.
12 VICTORIA STREET.
WESTMINSTER, S.W.
LONDON.
Managers ✓
(Where necessary to be entered in Reg. Book.)
Residence London
Port belonging to London.

Destined Voyage River Mersey. If Surveyed while Building, Afloat, or in Dry Dock Building.

| LENGTH on Deck as per Rule | Feet. | Inches. | BREADTH Moulded | Feet. | Inches. | DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams | Feet. | Inches. | No. of Decks with flat laid | No. of Tiers of Beams |
|----------------------------|-------|---------|-----------------|-------|---------|---|-------|---------|-----------------------------|-----------------------|
| 160 | 0 | | 30 | 6 | | Do. do. do. do. do. do. | 11 | 7 1/2 | one | one |
| | | | | | | | | | | |

| FRAMING. | | Inches in Ship | Inches in Ship | Inches in Ship | Inches in Ship | Inches in Ship | Inches in Ship |
|---|---|----------------|----------------|----------------|----------------|----------------|----------------|
| FRAME, Angles, in way of Hopper amidships | ✓ | 3 | 32 | ✓ | 3 | 32 | ✓ |
| peaks, and where not supported by cabin floor | ✓ | 3 | 44 | ✓ | 3 | 44 | ✓ |
| way of Double Bottom at Solid Floors | ✓ | 3 | 32 | ✓ | 3 | 32 | ✓ |
| at intermdt. Blts. | ✓ | | | ✓ | | | ✓ |
| of Frames from centre to centre amidships | ✓ | 24 | | ✓ | 24 | | ✓ |
| " " length to Collision bulkhead in peaks | ✓ | 24 | | ✓ | 24 | | ✓ |
| USED FRAME, Angles, in way of Double Bottoms at Solid Floors | ✓ | | | ✓ | | | ✓ |
| at intermdt. Blts. | ✓ | | | ✓ | | | ✓ |
| ING, depth of girder | ✓ | Angle | frame | ✓ | | | ✓ |
| RS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships | ✓ | 1 1/2 | 30 | ✓ | 1 1/2 | 30 | ✓ |
| in way of Engine and Boiler Space | ✓ | 1 1/2 | 26 | ✓ | 1 1/2 | 26 | ✓ |
| thickness at the ends of vessel | ✓ | | | ✓ | | | ✓ |
| depth at 1/2 the half breadth, as per Rule | ✓ | | | ✓ | | | ✓ |
| height extended at the Bilges | ✓ | Level | across | ✓ | | | ✓ |
| ORS in Cell. Double Bottoms | ✓ | | | ✓ | | | ✓ |
| state if flanged (top & bottom) | ✓ | | | ✓ | | | ✓ |
| Spacing of Solid floors | ✓ | | | ✓ | | | ✓ |
| TRE GIRDER, in Dbl. bottom, dpth. & thcknss. | ✓ | | | ✓ | | | ✓ |
| " " Angles, Top | ✓ | | | ✓ | | | ✓ |
| " " " Bottom | ✓ | | | ✓ | | | ✓ |
| " " " to Floors | ✓ | | | ✓ | | | ✓ |
| Brackets at intermdt. frmg., wdth & thcknss | ✓ | | | ✓ | | | ✓ |
| DE GIRDERS, number on each side & thickness | ✓ | | | ✓ | | | ✓ |
| state if flanged (top and bottom) | ✓ | | | ✓ | | | ✓ |
| " " Angles (top and bottom) | ✓ | | | ✓ | | | ✓ |
| " " " to Floors | ✓ | | | ✓ | | | ✓ |
| GIN PLATE, depth (exclusive of flange) and thickness | ✓ | | | ✓ | | | ✓ |
| Angle to Outside Plating | ✓ | | | ✓ | | | ✓ |
| " " Floors | ✓ | | | ✓ | | | ✓ |
| Brackets at intermdt. frmg., wdth & thcknss | ✓ | | | ✓ | | | ✓ |
| Height of Outside Brackets above at bilge | ✓ | | | ✓ | | | ✓ |
| INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake | ✓ | | | ✓ | | | ✓ |
| " " in Engine and Boiler space | ✓ | | | ✓ | | | ✓ |
| Remainder in Holds | ✓ | | | ✓ | | | ✓ |
| BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel | ✓ | 5 | 38 | ✓ | 5 | 34 | ✓ |
| In way of Hopper | ✓ | 4 | 32 | ✓ | 4 | 32 | ✓ |
| Spacing | ✓ | 24 | | ✓ | 24 | | ✓ |
| BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel | ✓ | 4 | 32 | ✓ | 4 | 32 | ✓ |
| Spacing | ✓ | 48 | | ✓ | 48 | | ✓ |
| BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel | ✓ | | | ✓ | | | ✓ |
| Angles on upper edge | ✓ | | | ✓ | | | ✓ |
| Spacing | ✓ | | | ✓ | | | ✓ |
| BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel | ✓ | | | ✓ | | | ✓ |
| Angles on upper edge | ✓ | | | ✓ | | | ✓ |
| Spacing | ✓ | | | ✓ | | | ✓ |
| BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel | ✓ | | | ✓ | | | ✓ |
| Angles on upper edge | ✓ | | | ✓ | | | ✓ |
| Spacing | ✓ | | | ✓ | | | ✓ |
| BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel | ✓ | | | ✓ | | | ✓ |
| Angles on upper edge | ✓ | | | ✓ | | | ✓ |
| Spacing | ✓ | | | ✓ | | | ✓ |

| PILLARS. | | Inches in Ship | Inches in Ship | Inches in Ship | Inches in Ship | Inches in Ship | Inches in Ship |
|--|---|----------------|--------------------|----------------|----------------|----------------|----------------|
| PILLARS In 'tween Deck, size and spacing | 3" spaced | ✓ | 3" spaced | ✓ | | | ✓ |
| " " Hold | about 6 feet apart | ✓ | about 6 feet apart | ✓ | | | ✓ |
| " " Quarter 'tween Dks. | | ✓ | | ✓ | | | ✓ |
| " " in Hold | | ✓ | | ✓ | | | ✓ |
| KEELSONS & STRINGERS. | | Inches in Ship | Inches in Ship | Inches in Ship | Inches in Ship | Inches in Ship | Inches in Ship |
| CENTRE LINE KEELSON, Vertical Plate above Deck, Through Plate, or Intercoastal Plate | 18" | ✓ | 32 | ✓ | 18" | ✓ | 32 |
| " " Rider Plate | 3" | ✓ | 28 | ✓ | 3" | ✓ | 28 |
| " " Flat Plate Keel Angles | 12" | ✓ | 34 | ✓ | 12" | ✓ | 34 |
| " " Horizontal Plates on Floors | 3" | ✓ | 30 | ✓ | 3" | ✓ | 30 |
| " " Angles or Bulb Angles | Double | ✓ | | ✓ | | | ✓ |
| SIDE KEELSONS, Number | one | ✓ | | ✓ | | | ✓ |
| " " Angle or Bulb Angles | 5" | ✓ | 38 | ✓ | 5" | ✓ | 38 |
| " " Plate above floors, for length | 5" flange | ✓ | Horizontal | ✓ | | | ✓ |
| " " Intercoastal Plate, for length | 32 | ✓ | | ✓ | | | ✓ |
| " " Attached to outside Plating with Angle | flanged 3" to shell | ✓ | | ✓ | | | ✓ |
| BILGE KEELSON, Angles | ✓ | | | ✓ | | | ✓ |
| " " Intercoastal Plate for length | ✓ | | | ✓ | | | ✓ |
| " " Attached to outside Plating with Angle | ✓ | | | ✓ | | | ✓ |
| SIDE STRINGERS, Number | one | ✓ | | ✓ | | | ✓ |
| " " Angle | 3" | ✓ | 28 | ✓ | 3" | ✓ | 28 |
| " " Intercoastal Plate, for whole length | 28 | ✓ | | ✓ | | | ✓ |
| " " Attached to outside plating with Angle | flanged 3" to shell | ✓ | | ✓ | | | ✓ |
| Upper Deck Stringer Plate, br'dth & thickness (clear of HOPPER) | 33" x 10" x 28 | ✓ | | ✓ | 33" x 10" x 28 | ✓ | |
| " " " " br'dth & thickness (in way of HOPPER) | 57" x 10" x 40 | ✓ | | ✓ | 57" x 10" x 40 | ✓ | |
| " " " " Angle (clear of HOPPER) | 32 x 32 x 10 | ✓ | | ✓ | 32 x 32 x 10 | ✓ | |
| " " " " Tie Plate at sides of Hatchways | 4 x 3 x 46 | ✓ | | ✓ | 4 x 3 x 46 | ✓ | |
| " " Deck, Iron or Steel, for Bulk lng. | 28 | ✓ | | ✓ | 28 | ✓ | |
| " " Thickness (clear of Bridge) | ✓ | | | ✓ | | | ✓ |
| " " " " (in way of Bridge) | ✓ | | | ✓ | | | ✓ |
| Wood Deck, Material & thickness | Formed by side stringers flanged to shell | ✓ | | ✓ | | | ✓ |
| Cabin Floor | ✓ | | | ✓ | | | ✓ |
| Second Deck Stringer Plate, br'dth & thickness | ✓ | | | ✓ | | | ✓ |
| " " Angle on ditto, No. | ✓ | | | ✓ | | | ✓ |
| " " Tie Plates outside Hatchways | ✓ | | | ✓ | | | ✓ |
| " " Deck, Material & thickness | ✓ | | | ✓ | | | ✓ |
| Poop Deck Stringer Plate, breadth & thickness | ✓ | | | ✓ | | | ✓ |
| " " Angle on ditto | ✓ | | | ✓ | | | ✓ |
| " " Tie Plates | ✓ | | | ✓ | | | ✓ |
| " " Deck, Material and thickness | ✓ | | | ✓ | | | ✓ |
| Bridge Deck Stringer Plate, br'dth & thickness | ✓ | | | ✓ | | | ✓ |
| " " Angle on ditto | ✓ | | | ✓ | | | ✓ |
| " " Tie Plates | ✓ | | | ✓ | | | ✓ |
| " " Deck, Material and thickness | ✓ | | | ✓ | | | ✓ |
| Forecastle Deck Stringer Plate, br'dth & th'kns | ✓ | | | ✓ | | | ✓ |
| " " Angle on ditto | ✓ | | | ✓ | | | ✓ |
| " " Tie Plates | ✓ | | | ✓ | | | ✓ |
| " " Deck, Material and thickness | ✓ | | | ✓ | | | ✓ |

If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

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| WEB FRAMES. | | | | FORGINGS or CASTINGS. | | | |
|---|--|--|--|---|--|--|--|
| Inches in Ship. | | | | Inches per Rule. | | | |
| WEB FRAMES, In Fore Body, No. and spacing | | | | KEEL, Bar, depth and thickness | | | |
| No. of Side Stringers | | | | STEM, moulding and thickness | | | |
| WEB FRAMES, In E. & B. Space, No. and spacing | | | | STERN-POST for Rudder do. do. | | | |
| No. of Side Stringers | | | | for Propeller | | | |
| WEB FRAMES, In After Body, No. and spacing | | | | RUDDER—A & D Table 22. Speed | | | |
| No. of Side Stringers | | | | Main-Piece, diameter at head | | | |
| Size of Face Angles to Web-Frames | | | | " " " " at heel | | | |
| BRACKET PLATES to Stringers between | | | | " " " " " " | | | |
| Web-Frames, depth and thickness | | | | " " " " " " | | | |
| BULKHEADS. | | | | STIFFENERS. | | | |
| Number, Thickness, Horizontal, Vertical, Single or Double, Height up, state deck. | | | | Number, Thickness, Horizontal, Vertical, Single or Double, Height up, state deck. | | | |
| W.T. BULKHEADS | | | | " COLLISION " | | | |
| PARTITION " | | | | LONGITUDINAL " | | | |
| Are the outside Plates doubled two spaces of Frames in length? | | | | Are the Spline Valves and Watertight Doors in efficient working order? | | | |
| PLATING. | | | | RIVETING. | | | |
| STRAKES. | | | | EDGES. | | | |
| AS IN SHIP. | | | | PER RULE OR AS APPROVED. | | | |
| Breadth, Thickness, Forward, Aft. | | | | Breadth, Thickness, Forward, Aft. | | | |
| FLAT PLATE KEEL | | | | GABBOARD OF A STRAKE | | | |
| State actual thickness in way of Double Bottom. | | | | Sheerstrakes | | | |
| H | | | | I | | | |
| J | | | | K | | | |
| L | | | | M | | | |
| N | | | | O | | | |
| P | | | | Q | | | |
| R | | | | S | | | |
| T | | | | U | | | |
| V | | | | W | | | |
| FRAMES OF LONG BRIDGE | | | | DO. OF STRAKE BELOW | | | |
| DELG. of Flat Plate Keel | | | | Sheerstrakes | | | |
| Length and thickness. | | | | POOP SIDES | | | |
| SHORT BRIDGE SIDES | | | | LONG BRIDGE SIDES | | | |
| Upper Deck | | | | Butts of Side Stringers | | | |
| Stringer Plate | | | | Tie Plates | | | |
| Second Deck | | | | Inner Bottom Plating, riveting of Edges | | | |
| Stringer Plate | | | | Centre Girder Butts, Double riveted. | | | |
| Frames, riveted through Plates with | | | | Rivets, state whether Iron or Steel | | | |
| FRAMES extend in one length from | | | | REVERSED FRAMES on floors and frames extend from | | | |
| MASTS, SPARS, &c. | | | | RIVETING. | | | |
| Material, Total Length, At Partners, Head, Hoops, Head, No. of Plates in round, Number, Size, Seams, Butts. | | | | Material, Total Length, At Partners, Head, Hoops, Head, No. of Plates in round, Number, Size, Seams, Butts. | | | |
| LOWER MASTS | | | | Topmasts, Yards and Remainder of Spars | | | |
| Rigging, Material and Size, Shrouds | | | | Sails. | | | |

| EQUIPMENT No. | | | | LETTER | | | | ANCHORS. | | | | TONNAGE U. D. K. OR PLATING No. FOR TRAWLERS | | | |
|---|--|--|--|---|--|--|--|---|--|--|--|--|--|--|--|
| Number of Certificate. | | | | WEIGHT, EX. STOCK. | | | | TEST, PER CERTIFICATE. | | | | Description of Anchor. | | | |
| 24984 | | | | 12 2 14 | | | | 14 8 1 21 | | | | Byers | | | |
| 24948 | | | | 12 2 14 | | | | 14 8 1 21 | | | | Byers | | | |
| 25034 | | | | 12 2 14 | | | | 14 8 1 21 | | | | Byers | | | |
| 33204 | | | | 12 2 14 | | | | 14 8 1 21 | | | | Byers | | | |
| 33233 | | | | 12 2 14 | | | | 14 8 1 21 | | | | Byers | | | |
| Particulars of Drop Test of Cast Steel Anchors, viz.: | | | | 1st Bower | | | | 2nd | | | | 3rd | | | |
| Weight, Surveyor's Initials, Number of Certificate, Date of Test. | | | | 6.3.14 | | | | 2669 | | | | 2735 | | | |
| CHAIN CABLES. | | | | HAWSERS AND WARPS. | | | | | | | | | | | |
| Number of Certificate. | | | | Length and size supplied. | | | | Test per Certificate. | | | | Description of Cable. | | | |
| 25218 | | | | 10 1/2 1/2 | | | | 10 1/2 1/2 | | | | 10 1/2 1/2 | | | |
| 25219 | | | | 10 1/2 1/2 | | | | 10 1/2 1/2 | | | | 10 1/2 1/2 | | | |
| 25340 | | | | 10 1/2 1/2 | | | | 10 1/2 1/2 | | | | 10 1/2 1/2 | | | |
| Boats | | | | Steering Gear, Steam | | | | Steering Gear, Hand | | | | Pumps, Number | | | |
| Windlass is | | | | Diameter of Barrel | | | | State whether they are in efficient working order | | | | Coal Bunker Openings | | | |
| Engine Room Skylights | | | | How constructed? | | | | What arrangements for deadlights in bad weather? | | | | Number of Scuppers | | | |
| Ceiling in Holds, thickness and material | | | | Cargo Hatchways | | | | Hatches, If strong and efficient? | | | | State size No. 1 Hatch | | | |
| Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch | | | | No. of Breasthooks | | | | No. of Crutches | | | | Bulwarks, height above deck and description | | | |
| The foregoing is a correct description | | | | FOR LOBBY | | | | Main Rail, material and size | | | | Builder's Signature | | | |
| Correspondence | | | | State dates and initials of letters respecting this case | | | | Reference should be made in any correspondence connected with the case | | | | Workmanship | | | |
| Is the riveted work properly closed? | | | | Are the liners between the frames and plates solid single pieces? | | | | Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? | | | | Do any rivets break into or through the seams or butts of the plating? | | | |
| Are the butts of Plating, Stringers, &c., properly shifted and strapped? | | | | Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? | | | | State results of tests | | | | Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? | | | |
| General Remarks (State quality of workmanship, &c.) | | | | This vessel has been built in accordance with the plans approved. | | | | The materials and workmanship are of good quality. | | | | Three approved plans are forwarded herewith. | | | |
| One forging certificate is enclosed | | | | A copy of the midship section and profile is enclosed herewith for filing with report | | | | Please return approved plans for reference Dist. Vessel N. 855. | | | | "G.W.C. N. 12." | | | |
| The Surveyor should state the Number of Report and Name of any Sister Vessel. | | | | Plans to be forwarded with F.E. Report showing vessel as built. | | | | Fees applied for, 21.7.1920. | | | | Received by me, J. Thomson & M. Macleod. | | | |
| State whether the Vessel has been built under Special Survey | | | | I am of opinion this Vessel should be Classed | | | | With, or without Freeboard, as condition of Class | | | | Committee's Minute | | | |
| Character assigned | | | | GLASGOW 21 JUL 1920 | | | | + A1 Hopper Barge | | | | Lloyd's A.C. 7.20. | | | |
| + D.B. 7.20. - 120 lb. | | | | © 2021 Lloyd's Register Foundation | | | | 0124 2/2 | | | | | | | |

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated.

No. and Material of Decks (if ~~Iron~~ or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given should appear in the Register Book) **1. Deck Otl.**

Official No. ; Signal Letters

State if Machinery is fitted aft *non prop.*

How are the surfaces preserved from oxidation? Inside

Paint and Cement

Outside

Paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors *none*

| Where Fitted. | *Length. Feet. | Water Capacity. Tons. | Where Fitted. | *Length. Feet. | Water Capacity. 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, | | |
| 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.

State whether the above have been tested as required by the Rules ☒

Order for Special Survey No. **5345**

Date **3. 3. 20.**

No. **854** in builder's yard.

DATE OF SURVEYS
held while building

1919 Oct. 28. Dec 2. 14. 25 1920 Jan 2. 6. 22. 28. Feb 4. 9. 16. 24. Mar 1. 8. 17. 23. 26. 31.
Apr 2. 8. 13. 26. 27. May 3. 14. June 2. July 5. 7. 8. 12. 14.

Surveyor's Signature

J. S. Hanson & *M. Macleod.*

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Total No. of Visits

31

Foundation