TUES. 21 OCT 1902 — 1405

# 3 Decks. IRON OR STEEL STEAMER.

Received at London Office .....

State if Report is also sent on the Machinery of the Vessel Yes

Date of completion of report 18th Oct. 1902. Port of Glasgow No. 20290

Survey held at Glasgow. Date, First Survey 17 Septr. 1901. Last Survey 10 October 1902.

On the Twin Screw Steamer COMMONWEALTH Rig Schooner

THREE DECKED VESSEL.

CLASS 100 A 1.

Master J. E. Ilbery

Year of appointment (1) As Master in service of owner of present vessel 1868 (2) As Master of this vessel 1902.

Built at Glasgow.

When built 1901-2 Launched 23rd Aug. '02

By whom built Messrs Barclay Curle & Co.

Owners Mr W. Lund.

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

Residence 3 East India Avenue London. E.C.

Port belonging to London.

Destined Voyage London to load. Surveyed while Building, Afloat, ~~in Dry Dock~~

| | Tons |
|---|---|
| TONNAGE under Tonnage Deck | 5627.14 |
| ~~Do. between Tonnage Dk. and 3rd and 4th Dks.~~ | |
| ~~Total under Upper Dk.~~ | |
| Do. of Poop | 245.04 |
| Do. of Bridge House | |
| Do. of Forecastle | 151.90 |
| Do. of Houses on Dk. | 575.62 |
| Do. of excess of Hatchways | 11.34 |
| Do. above Crown of Engine Room | ✓ |
| Gross Tonnage | 6611.05 |
| Less Crew Space | 235.21 |
| Less above Crown of Engine Room | ✓ |
| TONNAGE FOR FEES | 6375.84 |
| Less Engine Room | 2115.04 |
| Less Navigation Spaces | 88.14 |
| Register Tonnage as cut on Beam | 4172.16 |

| | Feet. |
|---|---|
| Half Breadth (moulded) | 26.0 |
| Depth from upper part of Keel to top of Upper Deck Beams (with the normal round up of beam) | 34.58 |
| Girth of Half Midship Frame (as per Rule) | 55.46 |
| | 116.04 |
| deduct 7 feet | 7.0 |
| 1st Number | 109.04 |
| Length on deck from after part of stem to fore part of stern post | 448 |
| 2nd Number | 48850 |
| Proportions—Breadth to Length | 8.6 |
| Depth to Length—Upper Deck to top of Keel | 12.95 |
| Main Deck ditto | 17.2 |

| | Feet. | Inches. |
|---|---|---|
| LENGTH on Deck as per Rule | 448 | 0 |
| BREADTH—Moulded | 52 | 0 |
| DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams | 30 | 7 |
| Do. do. do. do. Main Dk. Beams | 22 | 1 |

No. of Decks with flat laid 3 & 2 aft. No. of Tiers of Beams 3 for; 2 Lds fwd. aft.

Dimensions of Ship per Register, Length 450.2 breadth 52.25 depth 30.7. Moulded depth, ft. 3.3 ins. 6 To Upper Dk. Round of Upper Dk. Beam, Actual 13 ins.

## FRAMING.

| | Inches in Ship | Inches in Ship. | Nos. or 20ths in Ship. | Inches per Rule Or as Approved | Inches per Rule Or as Approved | Nos. or 20ths per Rule ved. |
|---|---|---|---|---|---|---|
| FRAME, Angles, ~~or Bars~~ for ⅜ length amidships in after holds | 7 | 3½ | 11 | 7 | 3½ | 11 |
| Do. for ⅓ at ~~each~~ aft end in E & B Space | " | " | 10 | " | " | 10 |
| Do. in way of Double Bottoms at Solid Floors | 3½ | 3½ | 10-9 | 3½ | 3½ | 10-9 |
| " forward holds ~~abaft Dbts.~~ | 6½ | 3½ | 10-9 | 6½ | 3½ | 10-9 |
| Distance of Frames from moulding edge to moulding edge, all fore and aft in fore & aft holds | 26 / 5 | 3½ | 10-9 | 26 / 5 | 3½ | 10-9 |
| REVERSED FRAME, Angles in after holds | 7 | 3½ | 11-10 | 7 | 3½ | 11-10 |
| DEEP FRAMING, depth of girder | 11 × 8½ | | see profile | 11 × 8½ | | |
| FLOORS, depth and thickness of Floor Plate at mid-line for ⅜ length amidships | 33 | | 10 | 33 | | 10 |
| " ~~in way of Engines and Boilers~~ | | | | | | |
| holds " thickness at the ends of vessel | | | 8 | | | 8 |
| " depth at ¾ the half breadth, as per Rule | 16½ | | | 16½ | | |
| " height extended at the Bilges | 66 | | | 66 | | |
| FLOORS & BRACKETS in Cell Dble Bottoms | 48 | B.Sh. | 9-8/10 | 48 | B.Sh. | 9-8/10 |
| " " Distance apart | 26 | | | 26 | | |
| CENTRE GIRDER, in Double bottom, depth and thickness | 48 | B.Sh. | 11/12 | 48 | B.Sh. | 11/12 |
| " " Angles, Top | 4 | 4 | 10.11 | 4 | 4 | 10.11 |
| " " " Bottom | 6½ | 4½ | 10 | 6½ | 4½ | 10 |
| SIDE GIRDERS, number on each side & thickness | Two | B.Sh. | 10/9 | Two | B.Sh. | 10/9 |
| " " Angles | 3½ | 3½ | 10.11 | 3½ | 3½ | 10.11 |
| MARGIN PLATE, depth (exclusive of flange) and thickness | 40 | B.Sh. | 11/12 | 40 | B.Sh. | 11/12 |
| " " Angles to Outside Plating | 4 | 4 | 10 | 4 | 4 | 10 |
| INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake | 54 | | 11 | 54 | | 11 |
| " " " in Engine and Boiler space | E 18/20 | L 16/20 | B 12/10 | E 11 | B 12 | |
| " " " Remainder in Holds | | | 9-8 | | | 9-8 |
| BEAMS, Upper Deck, ~~Single Angle, Bulb Angle, Plate or~~ Tee Bulb | 9 | 5¼ | 10 | 9 | 5¼ | 10 |
| " ⊥ Angles ~~on upper edge~~ to alt. beams | 4 | 4 | 10 | 4 | 4 | 10 |
| " Average space | 52 | | | 52 | | |
| BEAMS, Middle Deck, ~~Single Angle, Bulb Angle, Plate or~~ Tee Bulb | 10 | 6 | 10 | 10 | 6 | 10 |
| " ⊥ Angles ~~on upper edge~~ to alt. beams | 4 | 4 | 10 | 4 | 4 | 10 |
| " Average space | 52 | | | 52 | | |
| BEAMS, Lower Deck, ~~Single Angle, Bulb Angle, Plate or~~ Tee Bulb (in fore holds only) | 10 | 6 | 10 | 10 | 6 | 10 |
| " ⊥ Angles ~~on upper edge~~ to alt. beams | 4 | 4 | 10 | 4 | 4 | 10 |
| " Average space | 52 | | | 52 | | |
| ~~BEAMS, Hold or Orlop, Plate or Tee Bulb~~ | | | | | | |
| " ~~Angles on upper edge~~ | | | | | | |
| " ~~Average space~~ | | | | | | |
| BEAMS, Poop Deck, ~~Angle, Bulb Angle, Plate or~~ Tee Bulb | 7 | 5 | 8 | 7 | 5 | 8 |
| " ~~Angles on upper edge~~ | | | | | | |
| " Average space | 52 | | | 52 | | |
| BEAMS, Bridge Deck, ~~Angle,~~ Bulb Angle, ~~Plate or Tee Bulb~~ | 8½ | 3½ | 10 | 8½ | 3½ | 10 |
| " ~~Angles on upper edge~~ | | | | | | |
| " Average space | 52 | | | 52 | | |
| BEAMS, Forecastle Deck, ~~Angle, Bulb Angle, Plate or~~ Tee Bulb | 8 | 5 | 9 | 8 | 5 | 9 |
| " ~~Angles on upper edge~~ | | | | | | |
| " Average space | 52 | | | 52 | | |
| PILLARS, In 'tween Deck, size and spacing | 2⅝ × 3 | 3½ × 3¾ | 52 | 2⅝ × 3 | 3½ × 3¾ | 52 |
| " " Hold " " | 4 × 5 | | 52 | 4 × 5 | | 52 |
| " Quarter 'tween Dks., " " | 2⅝ × 3½ | | 104 | 2⅝ | 3½ | 104 |
| " " in Hold " " | 4 | | 104 | 4 | | 104 |
| ~~WEB-FRAMES, In Fore Body, No. and spacing~~ | | | | | | |
| " " " ~~brdth. & thickness~~ | | | | | | |
| " ~~No. of Side Stringers~~ " " | | | | | | |
| WEB-FRAMES, In E. & B. Space, No. & spacing | Size as per profile | | | | | |
| " " " brdth. & thickness | 24 | | 10 | 24 | | 10 |
| ~~WEB-FRAMES, In After Body, No. and spacing~~ | | | | | | |
| " " " ~~brdth. & thickness~~ | | | | | | |
| " No. of Side Stringers " " | 3 | 24 | 10 | 3 | 24 | 10 |
| " Size of Angles or Tee Bars to Web-Frames | 6½ | 4½ | 15 | 6½ | 4½ | 15 |
| ~~BRACKET PLATES to Stringers between Web Frames, depth and thickness~~ | | | | | | |

## FORGINGS and CASTINGS.

| | Inches in Ship. | Inches per Rule. Or as Approved. |
|---|---|---|
| KEEL, ~~Bar or Side Plates~~ filled under keel plate, depth and thickness | 10 × 2½ | 10 × 2½ |
| STEM, moulding and thickness (forging hard cast steel) | 12 × 3¼ | 12 × 3¼ |
| STERN-POST for Rudder do. do. (Cast Steel) | 12½ × 7¾ | 12½ × 7¾ |
| " for Propeller | " " | " " |
| MAIN PIECE of Rudder, diameter at head | 10½ | 10½ |
| " " do. at heel | 8 | 8 |

RUDDER, how constructed Barrel frame of forged scarf irons, single plate 1⅛" thick

Can the Rudder be unshipped afloat? Yes.

## KEELSONS & STRINGERS.

| | Inches in Ship. | Inches in Ship. | Nos. or 20ths in Ship. | Inches per Rule Or as | Inches per Rule Or as Appro | Nos. or 20ths per Rule ved. |
|---|---|---|---|---|---|---|
| CENTRE LINE KEELSON, ~~Vertical Plate~~ height above floors, Through Plate, ~~or Intercostal Plate~~ | 22 | | 14 | 22 | | 14 |
| " Rider Plate | 13¾ | | 14 | 13¾ | | 14 |
| " ~~Bulb Plate to Intercostal Keelson~~ | | | | | | |
| " Horizontal Plates on Floors | 20 | | 11 | 20 | | 11 |
| Two " Angles | 5 | 5 | 11 | 5 | 5 | 11 |
| SIDE KEELSONS Angles | 5 | 5 | 11 | 5 | 5 | 11 |
| " ~~Bulb or~~ Plate above floors, for over ½ lng. | 22 | | 14 | 22 | | 14 |
| " Intercostal Plate, for full length | | | 9 | | | 9 |
| " Attached to outside Plating with Angle | 3½ | 3½ | 10 | 3½ | 3½ | 10 |
| BILGE KEELSON, Angles | 5 | 5 | 11 | 5 | 5 | 11 |
| " ~~Bulb or~~ Plate above floors, for ½ lng. | 22 | | 14 | 22 | | 14 |
| " Intercostal Plate for full length | | | 9 | | | 9 |
| 3 Side " Attached to outside Plating with Angle | 3½ | 3½ | 10 | 3½ | 3½ | 10 |
| BILGE STRINGERS Angles Bulbs (2) in after holds | 11 | 3½ | 14 | 11 | 3½ | 14 |
| " ~~Bulb Plate for~~ length | | | | | | |
| " Intercostal Plate for whole length | 22 | | 14 | 22 | | 14 |
| " Attached to outside Plating with Angle | 3½ | 3½ | 10 | 3½ | 3½ | 10 |
| 2 SIDE STRINGERS Angles Bulbs (2) in forward holds | 9 | 3½ | 11 | 9 | 3½ | 11 |
| " ~~Bulb or~~ Intercostal Plate, for whole lng. | 17½ | | 10 | 17½ | | 10 |
| " Attached to outside plating with Angle | 3½ | 3½ | 10 | 3½ | 3½ | 10 |
| Upper Deck Stringer Plates, br'dth & thickness | 69 | | 13 | 69 | | 13 |
| " Angle on ditto | 5 5 | | 11 | 5 5 | | 11 |
| " Tie Plates fore and aft, outside Hatchways | PG increased in thks at drops | | | | | |
| " Deck.* ~~Iron or~~ Steel, for whole lng. | | | 9-8 | | | 9-8 |
| " Wood Deck. Material & thickness P.P. | 3½ | | | 3 | | |
| Middle Deck Stringer Plate, br'dth & thickness | 69 | | 11 | 69 | | 11 |
| " Angles on ditto, No. 2 | 4 4 | | 9 | 4 4 | | 9 |
| " Tie Plates outside Hatchways AK plating inc. in thks at drops | | | | | | |
| " ~~Diagonal Tie Plates on Bms., No. of prs.~~ | | | | | | |
| " Deck.* ~~Iron or~~ Steel, for whole lng. | | | 9-8 | | | 9-8 |
| " Wood Deck. Material & thickness P.P. on flitched | 2½ | | | 2½ | | |
| Lower Deck Stringer Plate, br'dth & thickness (in fore holds only) | 57 | | 10 | 57 | | 10 |
| " Angles on ditto, No. 2 | 4 4 | | 9 | 4 4 | | 9 |
| " Tie Plates, outside Hatchways in h.s 1 & 4 | 25 | | 8 | 25 | | 8 |
| " Deck.* Material and thickness in h.s 2 & 3 | Steel | | 8 | | | 8 |
| ~~Hold or Orlop Stringer Plate, br'dth & thckn's~~ | 2½ W.P. shaping in h.s 1 | | | | | |
| " ~~Angles on ditto, No.~~ | | | | | | |
| " ~~Tie Plates outside Hatchways~~ | | | | | | |
| " ~~Deck. Material and thickness~~ | | | | | | |
| Poop Deck Stringer Plate, breadth & thickness | 36 | | 7 | 36 | | 7 |
| " Angle on ditto | 3½ 3½ | | 8 | 3½ 3½ | | 8 |
| " Tie Plates | 13 | | 7 | 13 | | 7 |
| " Deck. Material and thickness P.P. | 3 | | | 3 | | |
| Bridge Deck Stringer Plate, br'dth & thickness | 40 | | 8 | 40 | | 8 |
| " Angle on ditto | 4 4 | | 9 | 4 4 | | 9 |
| " ~~Tie Plates~~ Steel | | | 5 | | | 5 |
| " Deck. Material and thickness Teak up. P. | 3 | | | 3 | | |
| * Forecastle Deck Stringer Plate, b'dth & th'kns | 36 | | 7 | 36 | | 7 |
| " Angle on ditto | 3½ 3½ | | 8 | 3½ 3½ | | 8 |
| " Tie Plates | 13 | | 7 | 13 | | 7 |
| " Deck. Material and thickness P.P. | 3 | | | 3 | | |

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

## BULKHEADS.

| | Number. In Vessel. | Number. Per Rule. | Thickness. Nos. or 20ths. | Stiffeners. Horizontal. Size. Inches. | Horizontal. Spacing Inches. | Vertical. Size. Inches. | Vertical. Spacing Inches. | Single or Double Frames. | Height up. |
|---|---|---|---|---|---|---|---|---|---|
| W.T. BULKHEADS | 7 | 7 | 8-7 | 7 9½ | 3½ | 15 | 8 11 | 30 | obl. up dk |
| PARTITION " | | | | each side stringer | | | | | |
| LONGITUDINAL " | Semi-box beams and webs as per rule | | | | | | | | |

Are the outside Plates doubled two spaces of Frames in length? Yes.

Are the ~~Sluice Valves and~~ Watertight Doors in efficient working order? Yes

Form No. 1B. 9-96

Lloyd's Register Foundation

W702-0157½

## PLATING.

| STRAKES. | As in Ship. Amidship. Breadth. | Amidship. Thickness. | Forward. Thickness. | Aft. Thickness. | Per Rule or as Approved. Amidship. Breadth. | Amidship. Thickness. |
|---|---|---|---|---|---|---|
| | Inches. | ~~Millim.~~ 20ths | ~~Millim.~~ 20ths | ~~Millim.~~ 20ths | Inches. | ~~Millim.~~ 20ths |
| Flat Plate Keel ~~(Width of Flat Plate Keel)~~ | 38 | 20 | 15 | 15 | 38 | 20 |
| Garboard or A Strake | 54 | 15 | 14 | 14 | 54 | 15 |
| State actual thickness in way of Double Bottom. B " | x | 12 & 13 | 10 | 10 | | 12 & 13 |
| C " | x | 13 & 14 | 11 | 11 | | 13 & 14 |
| D " | x | 12 & 13 | 10 | 10 | | 12 & 13 |
| E " | | 14 | 11 | 11 | | 14 |
| F " | | 13 | 10 | 10 | | 13 |
| G " | | 14 | 11 | 11 | | 14 |
| H " | | 13 | 10 | 10 | | 13 |
| J " | | 14 | 11 | 11 | | 14 |
| K " | | 13 | 10 | 10 | | 13 |
| L " | | 14 | 11 | 11 | | 14 |
| M " | | 16 | 10 | 10 | | 16 |
| Sheer ⅙ N " | 46 | 20 | 12 | 12 | 46 | 20 (21 clean of Butt) |
| O " | | | | | | |
| P " | x Plating not reduced in way of ordinary | | | | | |
| Q " | floors forward of machinery space. | | | | | |
| R " | | | | | | |

Write 'Motor Strake' opposite its corresponding letter.

Doubling of Flat Plate Keel: Flat bar 10 × 2½ riveted on underside of flat keel plate with 1¼" rivets 6¼" apart.

Length and thickness of Bilges of Sheerstrakes of Strake below: Increased 5/20 in thickness for ¾ length in lieu of doubling to sheerstrake, also increased 1/20 for side lights. Increased 3/20 " " "