# 1 ~~or 2~~ Dks., R.Q.Dk., ~~and Pt. Awng. Dk.~~

# ~~IRON OR~~ STEEL STEAMER.

No. 3942

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

Received at London Office, FRI. 19 AUG 1904

Date of completion of Report 15th August

Port of MIDDLESBROUGH-ON-TEES

Survey held at Middlesbrough

Date, First Survey 16 March

Last Survey 11 August 1904

On the steel screw steamer Sch Cherrybrook. (Yard No. 161)

Rig Schooner.

| | |
|---|---|
| TONNAGE under Tonnage Deck | 561.61 |
| Do. of Poop | ✓ |
| Do. of ~~Raised Qr. Dkr.~~ Break | 84.47 |
| Do. of Bridge House | 25.54 |
| Do. of Forecastle | 20.61 |
| Do. of Houses on Deck | 13.49 |
| Do. of excess of Hatchways | 20.71 |
| Do. above Crown of Engine Room | 29.98 |
| Gross Tonnage | 759.41 |
| Less Crew Space | 42.11 |
| Less above Crown of Engine Room | 29.98 |
| TONNAGE FOR FEES | 687.32 |
| Less Engine Room | 300.35 |
| Less Navigation Spaces | 54.70 |
| Register Tonnage as cut on Beam | 404.36 |

ONE ~~OR TWO~~ DECKED VESSEL.

CLASS 100 A1 Well Deck.

| | Feet. |
|---|---|
| Half Breadth (moulded) | 14.89 ✓ |
| Depth from upper part of Keel to top of Main Deck Bms. (with the normal round up of beam) | 15.67 ✓ |
| Girth of Half Midship Frame (as per Rule) | 27.41 ✓ |
| 1st Number ~~For R.Q.D. 61.47~~ | 57.97 ✓ |
| Length on deck from after part of stem to fore part of stern post | 188 ✓ |
| 2nd Number | 10898 ✓ |
| Proportions—Breadths to Length | |
| Depths to Length—Main Deck to top of Keel | 11.99 ✓ |

Master Edmund Adams

Year of appointment (1) As master in service of owner of present vessel:—19 1881; (2) As master of this vessel 8 1904

Built at Middlesbrough.

When built 1904. Launched 14th July 1904

By whom built W. Harkess & Son Ld.

Owners Whiteway & Ball.

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

Residence Torquay.

Port belonging to Teignmouth.

Destined Voyage Goole

If Surveyed while Building, Afloat, or in Dry Dock Building & Afloat.

| LENGTH on Deck as per Rule | Feet. 188 | Inches. 0. | BREADTH—Moulded | Feet. 29 | Inches. 9½ | DEPTH ACTUAL Top of Floors to top of Main Deck Beams | Feet. 13 | Inches. 0. ✓ | No. of Decks with Flat laid One. No. of Tiers of Beams One & Deep Framing |
|---|---|---|---|---|---|---|---|---|---|

Dimensions of Ship per Register, Length, 190.0 breadth, 30.0 depth, 13.0. Moulded Depth, 15 ft. 0½ ins. Round of Beam, Actual 7½ ins.

| FRAMING. | Inches in Ship. | Inches in Ship. | ~~16ths or~~ 20ths in Ship. | Inches per Rule Or as | Inches per Rule Approved. | ~~16ths or~~ 20ths per Rule |
|---|---|---|---|---|---|---|
| FRAME, ~~Angles, Z, [ or~~ L Bars, ~~for ⅝ length amidships~~ in way of Main Deck | 5½ | 3 | 8-7 | 5½ | 3 | 8-7 |
| Do. ~~for ⅕ at each end~~ way of R.Q. Deck | 6 | 3 | 9-8 | 6 | 3 | 9-8 |
| Do. in way of Double Bottoms at Solid Floors | 3½ | 3 | 7-6 | 3½ | 3 | 7-6 |
| Peaks „ ~~at intermdt. Bkts.~~ | 3½ | 3 | 6 ✓ | 3½ | 3 | 6. |
| Spacing of Frames from centre to centre | 22 ✓ | — | — | 22. | — | — |
| REVERSED FRAME, Angles | 3 | 2½ | 6 ✓ | 3 | 2½ | 6 |
| DEEP FRAMING, depth of girder | 5½ & 6 | — | — | 5½ & 6 | — | — |
| FLOORS, depth and thickness of Floor Plate at mid-line for ⅝ length amidships | 16½ | — | 7 ✓ | 16½ | — | 7. |
| „ in way of Engines and Boilers | — | — | 6 & 8 | — | — | 6 & 8 |
| „ thickness at the ends of vessel | — | — | 6 ✓ | — | — | 6 |
| „ depth at ¾ the half breadth, as per Rule | straight across. | | | | | — |
| „ height extended at the Bilges | 41 As Section | | | 41 | — | — |
| FLOORS & BRACKETS, in Cell Dble Bottoms | (Eng. Space) | | 6 | 31½ | - | 6. |
| „ „ state if flanged (top & bottom) | No | — | — | — | — | — |
| „ „ Spacing | 22 ✓ | — | — | — | — | — |
| CENTRE GIRDER, in Double Bottom, depth and thickness | 31½ | — | 8 ✓ | 31½ | — | 8 |
| „ „ Angles, Top | 3½ | 3½ | 7 ✓ | 3½ | 3½ | 7 |
| „ „ „ Bottom | 4½ | 3 | 7 ✓ | 4½ | 3 | 7 |
| SIDE GIRDERS, number on each side & thickness | Three ✓ | | 6 ✓ | Three | | 6 |
| „ „ state if flanged (top & bottom) | No ✓ | — | — | — | — | — |
| „ Angles | 3 | 2½ | 6 ✓ | 3 | 2½ | 6 |
| MARGIN PLATE, depth (exclusive of flange) and thickness | 21 | — | 6 ✓ | 20 | — | 6 |
| „ Angles to Outside Plating | 3 | 3 | 7 ✓ | 3 | 3 | 7. |
| „ „ Floors | — | — | — | — | — | — |
| „ Height of Floors at the Bilges | 41 | — | — | 41. | — | — |
| INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake | 51 | — | 7 ✓ | 51 | — | 7. |
| „ „ thickness in Engine and Boiler space | — | — | 7 & 9 | — | — | 7 & 9 |
| „ „ „ Remainder in Holds | — | — | 6 ✓ | — | — | 6 |
| BEAMS, Main ~~and Raised Quarter~~ Deck, Single Angle, ~~Bulb Angle, Plate or Tee Bulb~~ | 5½ | 3 | 7 ✓ | 5½ | 3 | 7 |
| „ Angles on Upper Edge R.Q.D. Angles | 5 | 3 | 7 | 5 | 3 | 7 |
| „ Spacing | 22 ✓ | — | — | — | 22 | — |
| BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb | — | — | — | — | — | — |
| „ Angles on Upper Edge | — | — | — | — | — | — |
| „ Spacing | — | — | — | — | — | — |
| BEAMS, Hold, Plate or Tee Bulb | — | — | — | — | — | — |
| „ Angles on Upper Edge | — | — | — | — | — | — |
| „ Spacing | — | — | — | — | — | — |
| BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb | — | — | — | — | — | — |
| „ Angles on Upper Edge | — | — | — | — | — | — |
| „ Spacing | — | — | — | — | — | — |
| BEAMS, Bridge ~~or Pt. Awng.~~ Deck, Angle, ~~Bulb Angle Plate, or Tee Bulb~~ | 5 | 3 | 7 ✓ | 5 | 3 | 7 |
| „ Angles on Upper Edge | — | — | — | — | — | — |
| „ Spacing | 44 ✓ | — | — | 44 | — | — |
| BEAMS, Forecastle Deck, Angle, ~~Bulb Angle, Plate or Tee Bulb~~ | 5½ | 3 | 7 | 5½ | 3 | 7. |
| „ Angles on Upper Edge | — | — | — | — | — | — |
| „ Spacing | 44 | — | — | 44 | — | — |
| PILLARS, In 'tween Decks, Size and Spacing | — | — | — | — | — | — |
| „ „ Hold „ „ | 3⅛ | as Rule | | 3⅛ | — | 44 |
| „ Quarter, 'tween Dks., „ „ | — | — | 44 | — | — | — |
| „ „ in Hold „ „ | — | — | — | — | — | — |
| WEB FRAMES, In Fore Body, No. and Spacing | — | — | — | — | — | — |
| „ „ „ Brdth. & Thickness | — | — | — | — | — | — |
| „ No. of Side Stringers „ „ | — | — | — | — | — | — |
| WEB FRAMES, In E. & B. Space, No. & Spacing | One | in Centre | | One | — | — |
| „ „ „ Brdth. & Thickness | 15 | — | 8 | 15 | — | 8 |
| WEB FRAMES, In After Body, No. and Spacing | — | — | — | — | — | — |
| „ „ „ Brdth. & Thickness | — | — | — | — | — | — |
| „ No. of Side Stringers „ „ | — | — | — | — | — | — |
| „ Size of Angles or Tee Bars to Web Frames | — | — | — | — | — | — |
| 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 depth and thickness | — | — |
| STEM, moulding and thickness | 6¾ x 2 ✓ | 6¾ x 2 |
| STERN-POST for Rudder do. do. | 6¾ x 4½ | 6¾ x 4½ |
| „ for Propeller | 6¾ x 4½ | 6¾ x 4½ |
| MAIN PIECE of Rudder, diameter at head | 4¾ ✓ | 4¾ |
| do. at heel | 3½ x 2¾ | 3½ x 2¾ |

RUDDER, how constructed Iron Forging plated in usual way. ✓

Can the Rudder be unshipped afloat? Yes.

| KEELSONS AND STRINGERS. | Inches in Ship. | Inches in Ship. | ~~16ths or~~ 20ths in Ship. | Inches per Rule Or as | Inches per Rule Approved. | ~~16ths or~~ 20ths per Rule |
|---|---|---|---|---|---|---|
| CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate | — | — | — | — | — | — |
| „ Rider Plate | — | — | — | — | — | — |
| „ Bulb Plate to Intercostal Keelson | — | — | — | — | — | — |
| „ Horizontal Plates on Floors | — | — | — | — | — | — |
| „ Angles | — | — | — | — | — | — |
| SIDE KEELSON, Angles | — | — | — | — | — | — |
| „ Bulb or Plate above floors for lng. | — | — | — | — | — | — |
| „ Intercostal Plate for length | — | — | — | — | — | — |
| „ Attached to outside plating with Angle | — | — | — | — | — | — |
| BILGE KEELSON, Angles | — | — | — | — | — | — |
| „ Bulb or Plate above floors for lng. | — | — | — | — | — | — |
| „ Intercostal Plate for length | — | — | — | — | — | — |
| „ Attached to outside plating with Angle | — | — | — | — | — | — |
| 2 SIDE ~~BILGE~~ STRINGERS, Angles (way of Main Deck) One | 5 | 3 | 8-7 | 5 | 3 | 8-7 |
| „ Bulb Plate for length | — | — | — | — | — | — |
| „ Intercostal Plate for whole length | 8½ ✓ | — | 7-6 | 8½ | — | 7-6 |
| „ Attached to outside plating with Angle | 3 | 3 | 7 | 3 | 3 | 7. |
| 2 SIDE STRINGERS, Angles (way of R.Q.D.) One | 5 | 3 | 9-8 | 5 | 3 | 9-8 |
| „ ~~Bulb or~~ Intercostal Plate for whole lng. | 9 ✓ | — | 7-6 | 9 | — | 7-6 |
| „ Attached to outside plating with Angle | 3 | 3 | 7 ✓ | 3 | 3 | 7 |

| | Inches in Ship. | 20ths in Ship. | Inches per Rule. | 20ths per Rule. |
|---|---|---|---|---|
| Main and Raised Quarter Deck Stringer Plate, breadth and thickness | 27 ✓ | 8 ✓ | 27 | 8. |
| „ Angle on ditto | 3½ x 3½ | 7 ✓ | 3½ x 3½ | 7. |
| „ Tie Plates, outside Hatchways | — | — | — | — |
| „ Diagonal Tie Plates on Bms., No. of Pairs | — | — | — | — |
| „ Main Dk* ~~Iron or~~ Steel for full ✓ lng. | — | 6 ✓ | — | 6 |
| „ R. Q. Dk* ~~Iron or~~ Steel for full ✓ lng. | — | 6 | — | 6 |
| „ Wood Deck, Material & thickness | — | — | — | — |
| Lower Deck Stringer Plate, breadth and thickness | — | — | — | — |
| „ Angles on ditto, No. | — | — | — | — |
| „ Tie Plates, outside Hatchways | — | — | — | — |
| „ Deck* Material and thickness | — | — | — | — |
| Hold Stringer Plate | — | — | — | — |
| „ Angles on ditto, No. | — | — | — | — |
| Poop Deck Stringer Plate, breadth & thickness | — | — | — | — |
| „ Angle on ditto | — | — | — | — |
| „ Tie Plates | — | — | — | — |
| „ Deck, Material and thickness | — | — | — | — |
| Bridge ~~or Pt. Awning~~ Deck Stringer Plate, breadth and thickness | 18 | 6 ✓ | 18 | 6 |
| „ Angle on ditto | 3 x 3 | 6 ✓ | 3 x 3 | 6 |
| „ Tie Plates | 6 | 6 | 6 | 6 |
| „ Deck, Material and thickness Pitchpine | 2½ ✓ | | 2½ | |
| Forecastle Deck Stringer Plate, brdth & thcknss | 25 | 6 | 18 | 6 |
| „ Angle on ditto | 3 x 3 | 6 | 3 x 3 | 6 |
| „ Tie Plates | 6 | 6 | 6 | 6 |
| „ Deck, Material and thickness Pitchpine | 2½ | — | 2½ | — |

* 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. ~~16ths or~~ 20ths. | Stiffeners Horizontal Size. Inches. | Horizontal Spacing Inches. | Vertical Size. Inches. | Vertical Spacing Inches. | Single or Double Frames. | Height up. |
|---|---|---|---|---|---|---|---|---|---|
| W.T. BULKHEADS | 4 ✓ | 4 ✓ | 5 / 6 | Eng. Rm. B.H. | Angle | 5½ x 3 x 7/20 | 30 | Single | As Rule |
| | Boiler Rm. | | B.H. | Angle 3½ x 3 x 7/20 | H.P. | 3½ x 3 x 7/20 | 30 | Frames | do. |
| ~~PARTITION~~ „ | Fore Peak B.H. | | | * 5½ x 3 x 8/20 | 24 | 5½ x 3 x 8/20 B.A. | — | Double | do. |
| | | | | * 3½ x 3 x 7/20 | 30 | | | Riveted | |
| ~~LONGITUDINAL~~ „ | After Pk. B.H. | | | Bulb Angle | — | 5½ x 3 x 8/20 B.A. | 24 | " | do. |

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

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

Form No. 1A. 29/8/01

(1/2) W84-0167

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| STRAKES. | PLATING. As in Ship. Amidship. Breadth. (Inches) | Amidship. Thickness. (20ths) | Forward. Thickness. | Aft. Thickness. | Per Rule or as Approved. Amidship. Breadth. (Inches) | Amidship. Thickness. | RIVETING. Lowe Edges. Ordinary or ~~Joggled~~? Single or Double. | Breadth of Lap. (Inches) | Rivets. Diam. (Inches) | Rivets. Spacing cr. to cr. (Inches) | Butts. Double or Treble and for what Length. | Butts. Rivets. Diam. | Butts. Rivets. Spacing cr. to cr. | Straps. Breadth. | Straps. Thickness. | If Lapped. Breadth. | If Lapped. For what Length. (Feet) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Flat Plate Keel (If Bar Keel, state Riveting) | 32 | 12 | 10 | 10 | 32 | 12 | Double | 5 1/4 | 7/8 | 3 2/3 | Treble | 7/8 | 3 7/8 | 16 3/4 | 13 | — | — |
| Garboard or A Strake | 54 | 9 | 8 | 9 | — | 9 | Do | 5 1/4 | 7/8 | 3 2/3 | Treble rivets for half length amidship, double at ends, butts over rule breadth quadruple rivets | 3/4 | 2 5/8 | — | — | 7 1/2 | whole |
| B (State actual thickness in way of Double Bottom.) | 54 | 9 | 8 | 8 | — | 9 | Do | 4 1/2 | 3/4 | 3 1/7 | | 3/4 | 2 5/8 | — | — | 7 1/2 | |
| C | 54 | 9 | 8 | 7 | — | 9 | Do | 4 1/2 | 3/4 | 3 1/7 | | 3/4 | 2 5/8 | — | — | 7 1/2 | |
| D | 48 | 9 | 7 | 7 | — | 8 | Do | 4 1/2 | 3/4 | 3 1/7 | | 3/4 | 2 5/8 | — | — | 7 1/2 | |
| E | 54 | 8 | 7 | 7 | — | 8 | Do | 4 1/2 | 3/4 | 3 1/7 | | 3/4 | 2 5/8 | — | — | 7 1/2 | |
| F | 54 | 8 | 7 | 7 | — | 8 | Single | 2 1/2 | 3/4 | 3 1/7 | | 3/4 | 2 5/8 | — | — | 7 1/2 | |
| G Sheer | 34 | 11 | 8 | 8 | 34 | 11 | Doubl | 4 1/2 | 3/4 | 3 1/7 | | 7/8 | 3 7/8 | — | — | 9 | |
| H | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| J | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| K | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| L | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| M | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| N | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| O | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| P | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Doubling of Flat Plate Keel | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Length and thickness of Bilges | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Length and thickness of Sheerstrakes | Doubled at Bridge Front for about 18 feet. | | | | | | — | — | — | — | — | — | — | — | — | — | — |
| Length and thickness of Strake above ~~below~~ | Doubled at Break for about 14 ft. | | | | | | — | — | — | — | — | — | — | — | — | — | — |
| Poop Sides | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Raised Quarter Dk. Sides | 39 | 7 | — | 6 | — | 7 | Single | 2 1/2 | 3/4 | 3 1/7 | Tr 1/2 len. | 3/4 | 2 5/8 | — | — | 7 1/2 | whole |
| Bridge Sides | — | 5 | — | — | — | 5 | Do | 2 1/2 | 3/4 | 3 1/7 | Double | 3/4 | 2 5/8 | — | — | 5 | |
| Forecastle Sides | — | — | 5 | — | — | 5 | Do | 2 1/2 | 3/4 | 3 1/7 | Doubl | 3/4 | 2 5/8 | — | — | 5 | |
| Lengths of Plating | — | 8 and 12 spaces | | | — | — | — | — | — | — | — | — | — | — | — | — | — |

*Write 'Sheer Strake' opposite its corresponding letter.*

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, outside Plating, &c.? Siemen's Martin Process
Steel Plates Malleable.
Steel Angles Consett

Has the Steel been tested as required by the Rules Yes.

**Main Stringer Plate** { **Butts,** treble riveted for half / Double at ends length amidship. **Straps,** single, ~~double or~~ overlapped for full length ~~amidship~~.
**Butts of Bilge & Side Stringers, and Tie Plates,** treble or double riveted? Double
**Inner Bottom Plating,** riveting of **Edges** Single. **Butts** Dble in Eng & Blr Space
**Centre Girder Butts,** Treble riveted. **Keelson Butts,** — riveted.
**Frames,** riveted through Plates with 3/4 in. Rivets, about 5 1/4 apart.
**Rivets,** state whether of Iron or Steel Iron.

**FRAMES** extend in one length from middle line to Tank Side & thence to Gunwale. state if ordinary or joggled Ordinary
**REVERSED FRAMES** on floors and frames extend from (Bulb angle frames). state if ordinary or joggled Do

## MASTS, SPARS, &c.

| | | Material. | Total length. | Diameter and Thickness. At Partners. | Heel. | Hounds. | Head. | No. of Plates in round. | Angles. Number. | Angles. Size. | Riveting. Seams. | Riveting. Butts. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lower Masts | Fore | Steel | 55-3 | 15 1/2 x 6/20 | 12 1/2 x 5/20 | 12 1/2 x 5/20 | 10 1/2 x 5/20 | Two | — | — | Single | Treble. |
| | Main | Do | 52-5 | 15 1/2 x 6/20 | 12 x 5/20 | 12 1/2 x 5/20 | 10 x 5/20 | Do | — | — | Do | Do |
| | Mizen | — | — | — | — | — | — | — | — | — | — | — |
| Bowsprit | | — | — | — | — | — | — | — | — | — | — | — |

Topmasts, Yards and Remainder of **Spars** Pitchpine
**Rigging,** Material and Size, **Shrouds** 3" Steel Wire **Stays** 3 1/4" Steel Wire
**Sails.** One Suit of Fore & Aft Sails and the following spare sails Nil

**Equipment No.** 118)5 **Letter** K. Old Table 22; **Tonnage U.Dk. or Plating No. for Trawlers** ✓

## ANCHORS.

| Number of Certificate. | Anchors. | Weight, Ex Stock Cwts. | qrs. | lbs. | Weight of Stock Cwts. | qrs. | lbs. | Test, per Certificate. Tons. | Cwts. | qrs. | lbs. | Weight Required by Table 22. Cwts. | qrs. | lbs. | Description of Anchor. | Makers. | Where and when tested and Superintendent. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5202 | 1st Bower | 19 | 2 | 14 | | ✓ | | 20 | 8 | 1 | 21 | 19 | 0 | 0 | Britannic Stkls | R. Sykes & Son Ld | Sunderland 21/7/04 W J Ralf |
| 5205 | 2nd | 17 | 3 | 0 | | ✓ | | 18 | 16 | 1 | 0 | 19 | 0 | 0 | —"— | —"— | —"— "— —"— |
| 5204 | 3rd | 16 | 3 | 14 | | ✓ | | 18 | 2 | 3 | 7 | 16 | 1 | 0 | —"— | —"— | —"— "— —"— |
| | Collective weight | 54 | 1 | 0 | | | | | | | | 54 | 1 | 0 | | | |
| 5207 | Stream | 5 | 1 | 0 | 1 | 1 | 7 | 7 | 11 | 3 | 14 | 5 | 1 | 0 | Common | —"— | —"— 4/7/04 W J Ralf |
| 5208 | Kedge | 2 | 2 | 0 | 0 | 2 | 14 | 5 | 0 | 0 | 0 | 2 | 2 | 0 | —"— | —"— | —"— —"— |

*If Patent state Name of Patentee.* *If Stockless state Mechanical Tests.*

Certificates of Cast Steel Heads produced (Meyer Hauss & Watt)

## CHAIN CABLES.

| Number of Certificate. | Length supplied (Fathoms) | Diam. supplied (Ins.) | Test per Certificate Statutory (Tons) | Breaking (Tons) | Weight of Chain Cable Supplied (Cwts. qrs. lbs.) | Per Table 22 | Length per Table 22 (Fathoms) | Diam. per Table 22 (Ins.) | Description. | Makers of Cables. | When and where tested and Superintendent. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2146 | 210 1/2 | 1 5/16 | 31 | 46 1/2 | 186.3.0 | 185.2.12 | 210 | 1 5/16 | Stud | Sykes | Sld. 5/7/04 W J Ralf |
| ~~Iron~~ Stream ~~Chain~~ / Steel Wire | 60 | 3 1/4 | ✓ | 22 | ✓ | ✓ | 60 | 3 1/4 | ✓ | ✓ | ✓ |

## HAWSERS AND WARPS.

| | Material. | Length supplied (Fathoms) | Cir. supplied (Ins.) | Breaking Test of Steel Wire Towline (Tons) | Length per Table 22 (Fathoms) | Cir. per Table 22 (Ins.) |
|---|---|---|---|---|---|---|
| Towline | Steel | 90 | 3 1/4 | 22 | 90 | 3 1/4 |
| Hawsers & Warps | Manilla | 60 | 6 | ✓ | 60 | 6 |
| " " | | 60 | 6 | ✓ | 60 | 5 |
| " " | | 60 | 4 1/2 | | | |
| | | 3-60 | 4 3/4 | | | |

2 steel wire - 60 - 2"

**Boats** 2 Lifeboats 18'-6" 1 Jolly boat 15'-0"
**Pumps,** Number 1 Downton 2" 1 Hand pump for Peak 4 1/2" Diameter of Barrel 2" & 4 1/2" State whether they are in efficient working order Yes
**Windlass is** Emmerson Walker & Thompson Bros **Capstan** Nil
**Engine Room Skylights.**—How constructed? Steel Plates & angles with Teak Flaps
What arrangements for deadlights in bad weather? Nil
**Coal Bunker Openings.**—How constructed? Steel Plts & angle How are lids secured? Hatch bars Height above deck? 18"
Number of **Scuppers,** and number and dimensions of **Freeing Ports, &c.** 4 RQD & 3 Main Dk on each side. RQD 3 & Main Dk 3 on each side 3'-0" / 1'-8"
**Ceiling in Holds,** thickness and material 2 1/2" White Wood **Cargo Battens,** thickness and material 6" x 2" White Wood
**Cargo Hatchways.**—How formed? Steel Plates & angles. **Hatches.**—If strong and efficient? Yes
State size **No. 1 Hatch** (Forward) 12'-10" x 12'-0" x 3'-0" **No. 2 Hatch** 20'-2" x 14'-0" x 3'-0" **No. 3 Hatch** 22'-0" x 14'-0" x 2'-6" **No. 4 Hatch** ✓
Number of **Web Plates, Shifting Beams,** and **Fore** and **Afters** to each Hatch No 1. 1 Shifting Beam & 3 Fore & afters No 2. 2 Web plates & 3 Fore & afters No 3. 2 Web Plates + 3 Fore & afters
**No. of Breasthooks** Four **No. of Crutches** Two.
**Bulwarks.** height above deck and description RQD 3'-1 Main Dk 3-6 Steel plates Main Rail and Stays, material and size 5 1/2" x 3" x 7/20 BA, 6 x 7/20 Bulb Plate (Steel)

*The above is a correct description.*

*Builder's Signature (here only)* FOR W. HARKESS & SON, LIMITED.
A Weatherhead SECRETARY.

*Surveyor's Signature* O Narbeth. Henry C J Ireland.
*~~Surveyor~~ to Lloyd's Register of British and Foreign Shipping.*

Form No. 1A.

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**Correspondence.**—State dates and initials of letters respecting this case (*Reference should be made to any correspondence connected with the case*) 4.3.04 (M) 12 & 31.3.04 (M). 6 apl 04 (M) 6 apl 04 (M) 9.5.04 (S).

**Workmanship.** Are the butts of plating planed or otherwise fitted? Planed.
Is the riveted work properly closed? Yes.
Are the liners between the frames and plates solid single pieces? Yes Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? Yes. Do any rivets break into or through the seams or butts of the plating? A few at butts only
Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes.
Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par 24)? State results of tests
Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? State results of tests

**General Remarks** (State quality of workmanship, &c.) This steel screw steamer, which is a similar vessel to the SS "Belliver" Mdb. Report No. 3698 has been built in accordance with the approved plans of midship section & Profile as amended, the Secretary's letters of the above-mentioned dates bearing upon the case, and in other respects as required by the Rules and Circulars for the Class contemplated.
The workmanship is good throughout.
She has a Bilge Keel composed of Bulb Plate 7" x 7/20 & one angle 3 x 3 x 7/20 fitted for a length of about seventy five feet.

(3 plans + 1 forging report sent herewith)

*The Surveyor should state the Number of Report and Name of any Sister Vessel.*

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop ✓ ft., R.Q.D. ~~or Break~~ 97.6 ft., Bridge Dk. 16.5 ft., F'castle 21.6 ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. is joined to the B.D., this should be distinctly stated Raised Quarter Deck & Bridge Deck joined.
**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 as it should appear in the Register Book*) 1 dk (stl) 1 tr of B & deep framg.
**Official No.** 109,685; Signal Letters State if Machinery is fitted aft No.
How are the surfaces preserved from oxidation? Inside Portland Cement & Paint. Outside Paint.

**PARTICULARS OF WATER BALLAST.**—State whether the Double bottom is constructed on the cellular system or with girders on floors Cell. system way of Engines girders on floors elsewhere.

| Where fitted. | | *Length. Feet. | Water Capacity. Tons. | Where fitted. | *Length. Feet. | Water Capacity. Tons. |
|---|---|---|---|---|---|---|
| Double bottom, aft, | No 4 | 40-4 | 41.5 | Fore peak tank, | 11-6 | 22.9 |
| Double bottom, under Engines and Boilers, | No 3 | 31-2 | 45.5 | After peak tank, | 11-0 | 19.0 |
| Double bottom, if under Engines only, | ✓ | ✓ | ✓ | Deep tank, aft | ✓ | ✓ |
| Double bottom, if under Boilers only, | ✓ | ✓ | ✓ | Deep tank, forward | ✓ | ✓ |
| Double bottom, forward, | Nos 1 & 2 | 82-6 | 103.0 | Other tanks, if fitted, | ✓ | ✓ |
| | | | 190.0 | (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 Yes.

Order for Special Survey No. 646
Date 15.3.04
No. 161 in builder's yard.

Dates of Surveys held while building: 1904 Mar 16.21.23.24.25.29 Apr 6.8.14.16.20.21.26.29 May 3.3.6.9.17.18.19.20.26.27.31 June 1.8.15.15.21.22.23.27.28.30 Jul 4.5.7.8.11.12.14.19.21.22.26.29. Aug 3.8.9.10.11 — 1904

Total No. of Visits 52

The amount of Entry Fee £ 3 : 0 : 0
Special £ 34 : 7 : 0
Travelling Expenses, if any £ : ✓ :
Fees applied for, 10.8.1904
Received by me, 13.8.1904

*Certificate to be sent to* this office

State whether the Vessel has been built under Special Survey Yes.
I am of opinion this Vessel should be Classed ✠ 100 A.1.
With, or without Freeboard, as condition of Class without.

O Narbeth. Henry C J Ireland
*~~Surveyor~~ to Lloyd's Register of British and Foreign Shipping.*

*Committee's Minute* TUES. 23 AUG 1904
*Character assigned* 100 A1 (Stl)

Lloyd's ATCP + LMC 8.04

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

23/8/04

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