

3 Decks.

IRON OR STEEL STEAMER.

FRI. 2 DEC 1904

Received at London Office

State if Report is also sent on the Machinery of the Vessel *Yes*Date of completion of report *30th Nov 1904*Port of *Newcastle-on-Tyne* No. *47956*Survey held at *Newcastle*Date, First Survey *6th April 1903*Last Survey *30th Nov 1904**18, 04*On the *Screw Steamer "Port Phillip" DURHAM* Rig *Schooner.*TONNAGE under *5219.84*

Tonnage Deck...

Do. between Tonnage Dk. (

and 3rd and 4th Dk.)

Total under Upper Dk.

Do. of Poop

Do. of Bridge House

Do. of Forecastle *135.20*Do. of Houses on Dk. *162.61*

Do. of excess of Hatchways

Do. above Crown of *18.91*

Engine Room ..

Gross Tonnage *5536.56*Less Crew Space *185.52*as above Crown of *18.91*

Engine Room ..

TONNAGE FOR FEES.. *5332.13*as Engine Room *1771.70*as Navigation Spaces *46.13*+ *18.91*Register Tonnage *3533.21*

as cut on Beam ..

THREE DECKED VESSEL.

CLASS ** 100 A1.*

FEET.

Half Breadth (moulded) *26.89*Depth from upper part of Keel to top of Upper Deck Beams *32.83*

(with the normal round up of beam)

Girth of Half Midship Frame (as per Rule) *54.16**113.88*deduct 7 feet. *7.00*1st Number *106.88*Length on deck from after part of stem to fore part of stern post *418*2nd Number *44675.84*Proportions—Breadth to Length *7.77*Depth to Length—Upper Deck to top of Keel *12.73*Main Deck ditto *19.14*

Destined Voyage

Master

Year of appointment

(1) As Master in service of owner of present vessel:—18
(2) As Master of this vessel:—18Built at *Hebburn-on-Tyne*When built *1904-8* Launched *18th Feb. 1904*By whom built *R. H. Hawthorn, Leslie & Co.*Owners *Federal Steam Nav Co.*Managers *H. Millman & Co.*

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

Residence *London.*Port belonging to *London*

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

| | | | | | | | | | |
|--|-------|---------|---------------|-------|---------|---|-------|---------|---------------------------------|
| LENGTH on Deck | Feet. | Inches. | BREADTH— | Feet. | Inches. | DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams | Feet. | Inches. | No. of Decks with flat laid |
| as per Rule . . . | 418 | 0 | Moulded . . . | 53 | 9 1/2 | Do. do. do. do. Main Dk. Beams | 28 | 9 1/2 | 3 |
| Dimensions of Ship per Register, Length 420.7 breadth 54.0 depth 28.65 Moulded depth, ft. 31 ins. 9 1/2 To Upper Dk. | | | | | | | | | Round of Upper Dk. Beam, Actual |
| | | | | | | | | | 12 ins. |

| FRAMING. | | | FORGINGS or CASTINGS. | | | KEELSONS & STRINGERS. | | |
|---|---------------------|---------------------|--|----------------|--------------------------------|--|----------------|--------------------------------|
| FRAME, Angles, or L or E Bars for length | Inches in Ship | Inches in Ship | KEEL, Bar or Side Plates, depth and thickness | Inches in Ship | Inches per Rule Or as Approved | CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate | Inches in Ship | Inches per Rule Or as Approved |
| amidships | <i>7</i> | <i>3 1/2</i> | STEM, moulding and thickness | <i>12</i> | <i>3 1/8</i> | " Rider Plate | | |
| Do. for 1/2 at each end | <i>10</i> | <i>10</i> | STERN-POST for Rudder do. do. | <i>12</i> | <i>3 1/4</i> | " Bulb Plate to Intercoastal Keelson | | |
| Do. in way of Double Bottoms at Solid Floors | <i>3 1/2</i> | <i>3 1/2</i> | " for Propeller | <i>10 1/2</i> | <i>10 1/2</i> | " Horizontal Plates on Floors | | |
| at intermed. Bkts. | <i>30</i> | <i>30</i> | MAIN PIECE of Rudder, diameter at head | <i>8</i> | <i>8</i> | " Angles | | |
| Distance of Frames from moulding edge to moulding edge, all fore and aft | <i>8</i> | <i>3 1/2</i> | RUDDER, how constructed <i>Forging, Arms Shrink, 2 1/2 Single Plate</i> | | | " Bulb or Plate above floors, for lng. | | |
| EVERSED FRAME, Angles | <i>11 1/2</i> | <i>11 1/2</i> | Can the Rudder be unshipped afloat? <i>Yes COUPLED AT NECK.</i> | | | " Intercoastal Plate, for length | | |
| DEEP FRAMING, depth of girder | <i>bell</i> | <i>D. B.</i> | KEELSONS & STRINGERS. | | | " Attached to outside Plating with Angle | | |
| FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships | <i>10.11</i> | <i>10.11</i> | CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate | | | " Bulb Plate to Intercoastal Keelson | | |
| " in way of Engines and Boilers | <i>8</i> | <i>8</i> | " Rider Plate | | | " Horizontal Plates on Floors | | |
| " thickness at the ends of vessel | <i>48</i> | <i>10.9</i> | " Angles | | | " Side KEELSON, Angles | | |
| " depth at 1/2 the half breadth, as per Rule | <i>30</i> | <i>30</i> | " Bulb or Plate above floors, for lng. | | | " Bulb or Plate above floors, for lng. | | |
| " height extended at the Bilges | <i>48</i> | <i>11.9</i> | " Intercoastal Plate for length | | | " Intercoastal Plate for length | | |
| FLOORS & BRACKETS in Cell Dble Bottoms | <i>48</i> | <i>10.9</i> | " Attached to outside Plating with Angle | | | " Bulb or Plate above floors, for lng. | | |
| " Distance apart | <i>30</i> | <i>30</i> | " Bulb Plate to Intercoastal Keelson | | | " Intercoastal Plate for length | | |
| ENTRE GIRDER, in Double bottom, depth and thickness | <i>48</i> | <i>11.9</i> | " Horizontal Plates on Floors | | | " Attached to outside Plating with Angle | | |
| " Angles, Top | <i>4</i> | <i>4</i> | " Angles | | | " Bulb or Plate above floors, for lng. | | |
| " Bottom | <i>4 1/2</i> | <i>4 1/2</i> | " Bulb or Plate above floors, for lng. | | | " Intercoastal Plate for length | | |
| IDE GIRDERS, number on each side & thickness | <i>Two</i> | <i>10.9.8</i> | " Intercoastal Plate for length | | | " Attached to outside Plating with Angle | | |
| " Angles | <i>3 1/2</i> | <i>3 1/2</i> | " Bulb Plate to Intercoastal Keelson | | | " Bulb or Plate above floors, for lng. | | |
| MARGIN PLATE, depth (exclusive of flange) and thickness | <i>40</i> | <i>12.11</i> | " Horizontal Plates on Floors | | | " Intercoastal Plate for length | | |
| " Angles to Outside Plating | <i>4</i> | <i>4</i> | " Angles | | | " Attached to outside Plating with Angle | | |
| INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake | <i>48</i> | <i>13.11.9</i> | " Bulb or Plate above floors, for lng. | | | " Bulb Plate to Intercoastal Keelson | | |
| " in Engine and Boiler space | <i>E. 5 B. 5</i> | <i>11.13</i> | " Intercoastal Plate for length | | | " Horizontal Plates on Floors | | |
| " Remainder in Holds | <i>10.9</i> | <i>9.8</i> | " Attached to outside Plating with Angle | | | " Angles | | |
| BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb | <i>10</i> | <i>6</i> | " Bulb or Plate above floors, for lng. | | | " Bulb or Plate above floors, for lng. | | |
| " Angles on upper edge | <i>8</i> | <i>3 1/2</i> | " Intercoastal Plate for length | | | " Attached to outside Plating with Angle | | |
| " Average space | <i>30</i> | <i>30</i> | " Bulb Plate to Intercoastal Keelson | | | " Bulb or Plate above floors, for lng. | | |
| BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb | <i>12</i> | <i>6 1/2</i> | " Horizontal Plates on Floors | | | " Intercoastal Plate for length | | |
| " Angles on upper edge | <i>9</i> | <i>3 1/2</i> | " Angles | | | " Attached to outside Plating with Angle | | |
| " Average space | <i>30</i> | <i>30</i> | " Bulb or Plate above floors, for lng. | | | " Bulb Plate to Intercoastal Keelson | | |
| BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb | <i>7</i> | <i>3</i> | " Intercoastal Plate for length | | | " Horizontal Plates on Floors | | |
| " Angles on upper edge | <i>30</i> | <i>30</i> | " Angles | | | " Angles | | |
| " Average space | <i>30</i> | <i>30</i> | " Bulb or Plate above floors, for lng. | | | " Bulb or Plate above floors, for lng. | | |
| BEAMS, Hold, or Orlop, Plate or Tee Bulb | <i>7</i> | <i>3</i> | " Intercoastal Plate for length | | | " Attached to outside Plating with Angle | | |
| " Angles on upper edge | <i>30</i> | <i>30</i> | " Bulb Plate to Intercoastal Keelson | | | " Bulb or Plate above floors, for lng. | | |
| " Average space | <i>30</i> | <i>30</i> | " Horizontal Plates on Floors | | | " Intercoastal Plate for length | | |
| BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb | <i>7</i> | <i>3</i> | " Angles | | | " Attached to outside Plating with Angle | | |
| " Angles on upper edge | <i>30</i> | <i>30</i> | " Bulb or Plate above floors, for lng. | | | " Bulb Plate to Intercoastal Keelson | | |
| " Average space | <i>30</i> | <i>30</i> | " Intercoastal Plate for length | | | " Horizontal Plates on Floors | | |
| BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb | <i>7</i> | <i>3</i> | " Angles | | | " Angles | | |
| " Angles on upper edge | <i>30</i> | <i>30</i> | " Bulb or Plate above floors, for lng. | | | " Bulb or Plate above floors, for lng. | | |
| " Average space | <i>30</i> | <i>30</i> | " Intercoastal Plate for length | | | " Attached to outside Plating with Angle | | |
| BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb | <i>7</i> | <i>3</i> | " Bulb Plate to Intercoastal Keelson | | | " Bulb or Plate above floors, for lng. | | |
| " Angles on upper edge | <i>30</i> | <i>30</i> | " Horizontal Plates on Floors | | | " Intercoastal Plate for length | | |
| " Average space | <i>30</i> | <i>30</i> | " Angles | | | " Attached to outside Plating with Angle | | |
| PILLARS, In 'tween Deck, size and spacing | <i>3-2 3/4</i> | <i>60</i> | " Bulb or Plate above floors, for lng. | | | " Bulb Plate to Intercoastal Keelson | | |
| " Hold | <i>4 1/8</i> | <i>4 1/8</i> | " Intercoastal Plate for length | | | " Horizontal Plates on Floors | | |
| " Quarter 'tween Dks., | <i>3-2 3/4</i> | <i>3-2 3/4</i> | " Angles | | | " Angles | | |
| " in Hold | <i>4 1/8</i> | <i>4 1/8</i> | " Bulb or Plate above floors, for lng. | | | " Bulb or Plate above floors, for lng. | | |
| WEB FRAMES, In Fore Body, No. and spacing | <i>Two 6 Spaces</i> | <i>Two 6 Spaces</i> | " Intercoastal Plate for length | | | " Attached to outside Plating with Angle | | |
| " breadth & thickness | <i>31</i> | <i>11</i> | " Bulb Plate to Intercoastal Keelson | | | " Bulb or Plate above floors, for lng. | | |
| " No. of Side Stringers | <i>31</i> | <i>11</i> | " Horizontal Plates on Floors | | | " Intercoastal Plate for length | | |
| WEB FRAMES, In E. & B. Space, No. & spacing | <i>Three</i> | <i>Three</i> | " Angles | | | " Attached to outside Plating with Angle | | |
| " breadth & thickness | <i>6</i> | <i>4</i> | " Bulb or Plate above floors, for lng. | | | " Bulb Plate to Intercoastal Keelson | | |
| WEB FRAMES, In After Body, No. and spacing | <i>6</i> | <i>4</i> | " Intercoastal Plate for length | | | " Horizontal Plates on Floors | | |
| " breadth & thickness | <i>6</i> | <i>4</i> | " Angles | | | " Angles | | |
| " No. of Side Stringers | <i>6</i> | <i>4</i> | " Bulb or Plate above floors, for lng. | | | " Bulb or Plate above floors, for lng. | | |
| " Size of Angles or Tee Bars to Web-Frames | <i>6</i> | <i>4</i> | " Intercoastal Plate for length | | | " Attached to outside Plating with Angle | | |
| BRACKET PLATES to Stringers between Web-Frames, depth and thickness | <i>6</i> | <i>4</i> | " Bulb Plate to Intercoastal Keelson | | | " Bulb or Plate above floors, for lng. | | |

| PLATING. | | | | | | | | | | RIVETING. | | | | | | | | | |
|---|--|----------------|----------------|----------------|--------------------------|----------------|-------------------|-----------------|---------|--------------------|---------------------------------------|---------|--------------------|----------|----------------------|------------|------------------|--|--|
| STRAKES. | AS IN SHIP. | | | | PER RULE OR AS APPROVED. | | EDGES. | | | | BUTTS. | | | | | | | | |
| | AMIDSHIP. | | FORWARD. | AFT. | AMIDSHIP. | | Single or Double. | Breadth of Lap. | RIVETS. | | Double or Treble and for what Length. | RIVETS. | | STRAPS. | | IF LAPPED. | | | |
| | Breadth. | Thickness. | Thickness. | Thickness. | Breadth. | Thickness. | | | Diam. | Spacing cr. to cr. | | Diam. | Spacing cr. to cr. | Breadth. | Thick-ness. | Breadth. | For what Length. | | |
| | Inches. | 16ths or 20ths | 16ths or 20ths | 16ths or 20ths | Inches. | 16ths or 20ths | | | Inches. | Inches. | | Inches. | Inches. | Inches. | 16ths or 20ths | Inches. | Feet. | | |
| FLAT PLATE KEEL..... | 48 | 21 | 14 | 14 | 48 | 21-14 | Double | | 1/8 | 5 | Treble | 1/8 | 3 | 2 1/2 | 15 OUTSIDE 13 INSIDE | | | | |
| (If Bar Keel, state Riveting) | | | | | | | | | | | | | | | | | | | |
| GARBOARD OR A Strake ... | 65 1/2 | 15 | 13 | 13-14 | 66 | 15-13 | | 6 | 1 | 4 1/4 | Quad | 1 | 3 1/2 | | | 13 1/2 | full | | |
| State actual thickness in way of Double Bottom. | | | | | | | | | | | | | | | | | | | |
| B | 71 | 14-13 | 14 | 11-16 | 71 | 14-11 | | 5 1/4 | 7/8 | 3 3/4 | | 7/8 | 3 | | | 12 | | | |
| C | 71 | 14-13 | 14 | 11-16 | 71 | 14-11 | | 6 | 1 | 4 1/4 | | | | | | | | | |
| D | 59 1/2 | 15 | 12 | 12-16 | 59 | 15-12 | | | | | | 1 | 3 1/2 | | | 13 1/2 | | | |
| E | 59 1/2 | 15 | 12 | 12-14 | 58 | 15-12 | | | | | | | | | | | | | |
| F | 60 | 15 | 12 | 12-14 | 58 | 15-12 | * | | | | | | | | | | | | |
| G | 60 1/2 | 14 | 11 | 11-14 | 61 | 14-11 | * | | | | | | | | | | | | |
| H | 61 | 14 | 11 | 11-14 | 61 | 14-11 | * | | | | | | | | | | | | |
| J | 60 | 16-14 | 11 | 11 | 60 | 14-11 | * | | | | | | | | | | | | |
| K | 4 | 14 | 11 | 11 | | 14-11 | * | | | | Treble | | | | | 10 1/2 | | | |
| L | 54 1/2 | 14 | 11 | 11 | | 14-11 | | | | | | | | | | | | | |
| Sheer → M | 46 | 14 | 11 | 11 | 46 | 14-11 | | | | | | | | | | | | | |
| N | 54 | 14 | 9 | 9 | | 14-9 | | | | | Quad. plan. | | | | | 13 1/2 | | | |
| O | 46 | 15 | 9 | 9 | | 15-9 | | | | | | | | | | | | | |
| P | | | | | | | | | | | | | | | | | | | |
| Q | | | | | | | | | | | | | | | | | | | |
| R | | | | | | | | | | | | | | | | | | | |
| DOUBLING OF Flat Plate Keel | Increased in lieu of doubling also Garboard Strakes increased 1/2" for 1/2" len. | | | | | | | | | | | | | | | | | | |
| Length and thickness of Bilges | Three strakes increased 1/2" fore & aft. | | | | | | | | | | | | | | | | | | |
| of Sheerstrakes. | Topsides increased, See Letters N & O in Table. | | | | | | | | | | | | | | | | | | |
| of Strake below | | | | | | | | | | | | | | | | | | | |
| POOP SIDES | | | | | | | | | | | | | | | | | | | |
| BRIDGE SIDES | Letters N & O in table. | | | | | | | | | | | | | | | | | | |
| FORECASTLE SIDES | | | | | | | | | | | | | | | | | | | |

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, Plating, &c. *Siemens-Martin Steel*
Consett, Palmers, Spencer, South Durham
Frodingham, Steel Co. of Scotland.

Upper Deck (Butts, treble riveted for full length amidship.
Stringer Plate (Straps, single, double or overlapped for full length amidship.
Middle Deck (Butts, treble riveted for full length amidship.
Stringer Plate (Straps, single, double or overlapped for full length amidship.
Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted.
Inner Bottom Plating, riveting of Edges *DOUBLE* Butts Double
Centre Girder Butts, Treble riveted Keelson Butts, riveted.
Frames, riveted through Plates with 1 in. Rivets, about 5 to 6" apart.
Rivets, state whether Iron or Steel *Iron.*

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

FRAMES extend in one length from *Tankside* to *Weather Deck.*
REVERSED FRAMES on floors and frames extend from *all to Upper Deck & alternately to Forecastle Deck.*

| MASTS, SPARS, &c. | | | | | | | | | | RIVETING. | | | |
|--|--------------------------|-------------------------------|-------------------------|-------------|-----------|-------------------------|----------|-------------------|--------|-----------|--|--|--|
| | Material. | Total Length. | DIAMETER AND THICKNESS. | | | No. of Plates in round. | ANCHORS. | | Seams. | Butts. | | | |
| | | | At Partners. | Russ. Heel. | Hounds. | | Number. | Size. | | | | | |
| LOWER MASTS..... | Fore <i>Steel</i> | 91'-6" | 24 x 5/32 | 19 x 7/32 | 20 x 7/32 | 8 x 7/32 | Two | Increased in lieu | Single | Treble | | | |
| | Main | | | | | | | | | | | | |
| | Mizen | | | | | | | | | | | | |
| Bowsprit | | | | | | | | | | | | | |
| Topmasts, Yards and Remainder of Spars | <i>Pitch Pine</i> | | | | | | | | | | | | |
| Rigging, Material and Size, Shrouds | <i>3/4" Galv'd Wire.</i> | | | | | | | | | | | | |
| Sails. | <i>One</i> | Suit of <i>Fore & Aft</i> | | | | | | | | | | | |
| | | | | | | | | | | | | | |

| EQUIPMENT No. 54997 LETTER <i>a-f</i> . <i>Old Table</i> ANCHORS. | | | | | | | | | | | | | | | HAWSEERS AND WARPS | | | |
|---|-------------------|--------------------|------|------|------------------|------|------|------------------------|-------|------|------|------------------------------|------|------|---|------------------------------|---|-------------------------------|
| Number of Certificate. | Anchors. | WEIGHT, EX. STOCK. | | | WEIGHT OF STOCK. | | | TEST, PER CERTIFICATE. | | | | WEIGHT REQUIRED BY TABLE 22. | | | Description of Anchor. | Makers. | Where and when tested and Superintendent. | |
| | | Cwts. | qrs. | lbs. | Cwts. | qrs. | lbs. | Tons. | cwts. | qrs. | lbs. | Cwts. | qrs. | lbs. | | | | |
| 50578 | 1st Bower ... | 67 | 3 | 7 | - | - | - | 52 | 12 | 2 | 0 | 68 | 0 | 0 | <i>Parker's "Cast steel Head."</i> <i>If Present state name of Patent.</i> | <i>"Parker & Co Ltd"</i> | <i>Whitby 30-11-03 Green.</i> | |
| 25586 | 2nd „ ... | 64 | 0 | 0 | - | - | - | 50 | 10 | 0 | 0 | 68 | 0 | 0 | | | <i>do.</i> | <i>Tphn 14-10-03 Pennist.</i> |
| 50579 | 3rd „ ... | 62 | 0 | 16 | - | - | - | 49 | 12 | 2 | 0 | 57 | 3 | 0 | | | <i>do.</i> | <i>Whitby 31-12-03 Green.</i> |
| | 4th „ ... | | | | | | | | | | | | | | | | | |
| | Collective weight | 193 | 3 | 23 | | | | | | | | 193 | 3 | 0 | | | | |
| 50203 | Stream | 16 | 3 | 7 | 4 | 1 | 25 | 18 | 2 | 3 | 7 | 16 | 3 | 0 | <i>Iron stock</i> | <i>Parker & Co</i> | <i>Whitby 16-9-03 Green.</i> | |
| 50431 | Kedge..... | 8 | 0 | 4 | 2 | 0 | 10 | 10 | 5 | 0 | 0 | 8 | 0 | 0 | <i>do.</i> | <i>Parker & Co</i> | <i>Whitby 23-10-03 Green.</i> | |
| <i>Mechanical tests of Cast-steel heads by Mr A Campbell & R F Manton</i> | | | | | | | | | | | | | | | | | | |

| CHAIN CABLES. | | | | | | | | | | HAWSEERS AND WARPS. | | | | |
|-------------------------------------|----------|--------|-----------------------------|------------------------|---------------|--------------------------------|--------------|-------------------|--|---------------------|----------|-------|--------------------------------------|--------------------------------|
| Number of Certificate. | Fathoms. | Size. | Test per Certificate. Tons. | WEIGHT OF CHAIN CABLE. | | Fathoms and Size per Table 22. | Description. | Makers of Cables. | When and where tested, and Superintendent. | Material. | Fathoms. | Size. | Breaking Test of Steel Wire Towline. | Fathoms and Size per Table 22. |
| | | | | Supplied. | Per Table 22. | | | | | | | | | |
| 25954 | 135 | 2 5/16 | 134-15-0 | 362-0-16 | 720-3-4 | 270-2 5/16 | stud | Parker & Co. | 31-10-03 Tipton & Co. Penins. | TOWLINE | 120 | 5 1/2 | 75 | 130-5 1/4 |
| 25955 | 135 | 2 5/16 | 96-5-0 | 360-2-5 | | | " | " | | HAWSER | 180 | 3 1/2 | 26 | 370-8 in 2 5/8 |
| | | | | | | | | | | WARP | 180 | 3 | 18 | 370-7 in 2 5/8 |
| Iron Stream Chain or Steel Wire ... | 120 | 5 1/2 | 75 | | | 90-5 | | | | | | | | |

Boats *Five boats* (2 life boats 2, whale boats & a dingy)
Pumps, Number *11* Diameter of Barrel *5 1/2 x 3*. State whether they are in efficient working order *yes*
Windlass is *by Clarke Chapman* Capstan
Engine Room Skylights.—How constructed? *Teak*
What arrangements for deadlights in bad weather? *Bulls eyes.*
Coal Bunker Openings.—How constructed? *C.S. Rings on S. Dr.* How are lids secured? *Bayonet clutch* Height above deck? *1"*
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *7 Scuppers & 1 F.P. 32 x 18" in Tonnage opening each side.*
Ceiling in Holds, thickness and material *2 1/2" W.P. insulated FORE Holds.* Ceiling 'tween Decks, thickness and material *6 x 2 W.P. insulated FORE Holds.*
Cargo Hatchways.—How formed? *Steel plates & bars.* Hatches, If strong and efficient? *Yes 3"*
State size No. 1 Hatch (Forward) *20' x 18' x 30"* No. 2 Hatch *20' x 18' x 30"* No. 3 Hatch *20' x 18' x 30"* No. 4 Hatch *20' x 18' x 30"*
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. *12-1-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-*

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case) *E 19/5/03.*

MT 20/2/03, 23.30/3/03, 2.9.25/4/03, 5.8/5/03, 13.25/6/03, 3/7/03. 9-11/9/04

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? *Joggled Plating*

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 plating? *No*

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)? *Yes*

State results of tests *good*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *Yes*

State results of tests *good*

General Remarks (State quality of workmanship, &c.)

This vessel has been built under the 30K rule, with a complete shelter deck, having tonnage opening aft, in accordance with the approved plans, the Secretary's letters of the above dates, & otherwise in conformity with the rules. The material & workmanship are good throughout. The freeboards assigned by the Committee have been marked on the vessel and verified. All the lower holds & tween decks, excepting the aftmost hold, have been insulated for the carriage of frozen meat (see insulation report). Since building the vessel has changed name & owner. She is a sister vessel to the S.S. "Waipara" by the same builders. The vessel's bottom was examined in Hobson dry dock on 30th Nov 1904, cleaned & coated.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *40* ft., R.O.D. or Break *—* ft., Bridge Dk. *308* ft., F'castle *52* ft.

(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated. *The Poop, Bridge & Forecastle*

are joined, forming a complete shelter deck with Tonnage Opening aft.

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) *2 DKS (STL), DEEP FRAMING & Shelter Deck (STL)*

Official No. *118499*; Signal Letters

How are the surfaces preserved from oxidation? Inside *Paint & Cement.* Outside *Paint.*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with g'rders on floors *Cell S.D.B.*

| Where fitted. | *Length. Feet. | Water Capacity. Tons. | Where fitted. | *Length. Feet. | Water Capacity. Tons. |
|---|-------------------|--------------------------|--|-------------------|--------------------------|
| Double bottom, aft, | <i>100</i> | <i>217</i> | Fore peak tank, | <i>22</i> | <i>139</i> |
| Double bottom, under Engines and Boilers, | | | After peak tank, | <i>15</i> | <i>15</i> |
| Double bottom, if under Engines only, | <i>30</i> | <i>108</i> | Midship deep tank, | | |
| Double bottom, if under Boilers only, | | | Other tanks, if fitted, | | |
| Double bottom, forward, | <i>195</i> | <i>586</i> | (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. <i>3439</i> | DATES of Surveys held while building | <i>1903. Apr 6. 17. May 7. 11. 13. 20. 21. 25. 26. 27. June 3. 5. 9. 12. 17. 19. 29. 30. July 23. 26. 27. 29. 30. Aug 1. 11. 18. 24. 28. 30. Sep 13. 17. 19. 21. 22. 24. 25. 27. Oct 12. 15. 17. 18. 19. 20. 23. 23. 26. 29. 30. Nov 2. 3. 4. 5. 6. 9. 10. 12. 16. 18. 19. 20. 23. 24. 25. Dec 3. 10. 11. 16. 17. 21. 22. 23. 1904. Jan 6. 8. 14. 15. 19. 27. 29. Feb 11. 15. 17. 18. 25. Mar 9. Apr 2. 28. May 29. 19. June 14. 30. July 21. Aug 22. 29. 30. Sep 23. 26. 29. 30. Oct 3. 7. 10. 30.</i> |
| Date <i>7.4.03</i> | | |
| No. <i>392</i> in builder's yard. | | Total No. of Visits <i>121</i> |

The amount of Entry Fee.....£ *5* : : : Fees applied for, *1 DEC 1904*
Special Survey Fee£ *58* : *6* : : Received by me, *6/12/04*
Travelling Expenses, if any £ : : : *6/12/04*

Certificate to be sent to

Newcastle-on-Tyne.

State whether the Vessel has been built under Special Survey

I am of opinion this Vessel should be Classed ** 100 A1*

With, or without Freeboard, as condition of Class. *"Shelter deck with freeboard"*

W. L. Gilman & Co. Surveyors to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

Character assigned

100 A1

Shelter deck with fbd 5. 6. 1.

Lloyd's 25.6.04

*+ L.M.B. 12.04
F.D. Elec. light*