

Sailing Vessel

IRON OR STEEL SAILING SHIP.

(Received at London Office)

THURS. 4 AUG 1892

Date of completion of Report *2nd August 1892* Port of *Glasgow*
No. *1140* Survey held at *Glasgow* Date of First Survey *12th Jan.* Last Survey *2nd Aug.* 18*92*
On the *"Cedarbank"* Rig *Barque - 4 Masts.*

TONNAGE under Tonnage Deck *2642.12* ONE OR TWO DECKED VESSEL.
Do. of Poop *102.94* CLASS *100 A*
Master *A. D. Moody*

Year of Appointment *1892* Built at *Glasgow*

When built *1892* Launched *27th June*

By whom built *Mackie & Thomson*

Owners *Andrew Leir & Co.*

Managers *Glasgow*

Residence *Glasgow*

Port belonging to *Glasgow*

Destined Voyage *Porto Rico Plata* & Surveyed while Building, *Afloat, on in Dry Dock*

Register Tonnage *2648.71*

Less Navigation spaces *93.21*

Register Tonnage *2648.71*

LENGTH on deck as per rule *308* BREADTH Moulded *42* DEPTH Top of Floors to Upper Deck Beams *24*

Dimensions of Ship per Register, Length *326.0* breadth *43.0* depth *24.5* Moulded depth, ft. *26* in. *02* Round up of Beam *10 1/2* ins.

FORGINGS AND CASTINGS.

KEEL, Bar or Side Plates, depth and thickness *10 1/2 x 2 3/4* 10 1/2 x 2 3/4

Moulding and thickness *10 1/2 x 2 3/4* 10 1/2 x 2 3/4

STERN POST, do. do. *9 x 3 3/4* 9 x 3 3/4

IN-PIECE OF RUDDER, diameter at head *7 1/2* 7 1/2

at heel *4* 4

RUDDER, how constructed *Frame forged and plated*

Can the Rudder be unshipped afloat? *Yes*

FRAMING.

NAME, Angles, *5 1/2 x 3 1/2* 9 5 1/2 x 3 1/2 9

Do. for *1/2* at each end *5 1/2 x 3 1/2* 8 5 1/2 x 3 1/2 8

in way of Double Bottom *24* 24

Distance of Frames from moulding edge to moulding edge, all fore and aft *4* 3 1/2 9 4 3 1/2 9

REVERSED FRAME, Angles *27* 10 27 10

FLOORS, depth and thickness of Floor Plate *13 1/2* 13 1/2

at mid line for *1/2* length amidships *54* 54

thickness at the ends of vessel *8* 8

depth at *1/2* the half breadth, as per Rule *13 1/2* 13 1/2

height extended at the Bilges *54* 54

LOCKS & BRACKETS, in Solid Bottoms

CENTRE GIRDER, *10* 10

Angles, *10* 10

Side GIRDERS, number and thickness *10* 10

Angles, *10* 10

MARGIN PLATE, depth (exclusive of Angles and thickness) *10* 10

INNER BOTTOM PLATING, *10* 10

Angles, *10* 10

BEAMS, Main Deck, Single Angle, Bulb Angle *10* 10

Plate Tee Bulb *10* 10

Angles on Upper Edge *10* 10

Average space *10* 10

BEAMS, Lower Deck, Plate Tee Bulb *11* 11

Angles on Upper Edge *11* 11

Average space *11* 11

BEAMS, Forecastle Deck, Plate Tee Bulb *8* 8

Angles on Upper Edge *8* 8

Average space *8* 8

PILLARS, in between Decks, at Centre line, Size *24* 24

Spacing *48* 48

In Holds, at Centre line, Size *48* 48

Spacing *48* 48

QUARTER, Size *48* 48

Spacing *48* 48

Number of Side Stringers, breadth and thickness *48* 48

Angles on Tee Bars to Web Beams *48* 48

KEELSONS AND STRINGERS.

CENTRE LINE KEELSON, Vertical Plate above floors, through Plate, or Intercoastal Plate *22* 14 22 14

Rider Plate *14* 14 14 14

Angles *6 1/2* 4 9 6 1/2 4 9

SIDE KEELSON, Angles *6 1/2* 4 9 6 1/2 4 9

Bulb Plate for *1/2* length *10 1/2* 10 10 1/2 10

Intercoastal Plate for *1/2* length *3 1/2* 3 1/2 9 3 1/2 3 1/2 9

Attached to outside Plating with Angle *3 1/2* 3 1/2 9 3 1/2 3 1/2 9

BULGE KEELSON, Angle *6 1/2* 4 9 6 1/2 4 9

Bulb Plate for *1/2* length *10 1/2* 10 10 1/2 10

Intercoastal Plates for *1/2* len. *3 1/2* 3 1/2 9 3 1/2 3 1/2 9

Attached to outside Plating with Angle *6 1/2* 4 9 6 1/2 4 9

BILGE STRINGER, Angles *13* 12 13 12

Bulb Plate for *1/2* length *10 1/2* 10 10 1/2 10

Intercoastal Plates for *1/2* len. *13* 12 13 12

Attached to outside Plating with Angle *5 1/2* 3 1/2 9 5 1/2 3 1/2 9

SIDE STRINGER, Angles *6 1/2* 4 9 6 1/2 4 9

Bulb Plate for *1/2* length *13* 12 13 12

Intercoastal Plate for *1/2* len. *6* 3 1/2 9 6 3 1/2 9

Attached to outside Plating with Angle *4 1/2* 10 4 1/2 10

Main Deck Stringer Plate, on end of Beams, breadth and thickness *4 1/2 x 4 1/2* 10 4 1/2 x 4 1/2 10

Angle on ditto *4 1/2 x 4 1/2* 10 4 1/2 x 4 1/2 10

Tie Plates fore and aft, outside Hatchways *3 1/2* p. pin *3 1/2*

Flat of Deck*, material and thickness *3 1/2* p. pin *3 1/2*

Steel for *1/2* length *7.6*

How fastened to Beams, *By rivets.*

Lower Deck Stringer Plate, on ends of Beams, breadth and thickness *4 1/2* 9 4 1/2 9

Is the Stringer Plate attached to the Outside Plating? *Yes*

Angles on ditto, No. *4 x 4* 9 4 x 4 9

Tie Plates, outside Hatchways *17* 9 17 9

Flat of Deck, material and thickness *3 1/2* p. pin *3 1/2*

Steel for *1/2* length *7.6*

How fastened to Beams, *By rivets.*

Forecastle Deck Stringer Plate, breadth and thickness *31* 7 31 7

Angle *3 1/2 x 3 1/2* 8 3 1/2 x 3 1/2 8

Tie Plates on Beams *12* 7 12 7

Flat of Deck, material and thickness *3 1/2* p. pin *3 1/2*

Steel for *1/2* length *7.6*

How fastened to Beams, *By rivets.*

Forecastle Deck Stringer Plate, b'dth & thkns *31* 7 31 7

Angle *3 1/2 x 3 1/2* 8 3 1/2 x 3 1/2 8

Tie Plates on Beams *12* 7 12 7

Flat of Deck, material and thickness *3 1/2* p. pin *3 1/2*

Steel for *1/2* length *7.6*

How fastened to Beams, *By rivets.*

PLATING.

PLATES in Garboard Strakes, br'dth & thickness *54* 12 54 12

from Garboard to lower part of Bilges *12 1/2* 13 12 1/2 13

Bilges, number of Strakes, and thickness *Three* 13 *Three* 13

at Bilge, increased thickness, and length applied *Whole length*

from up. part of Bilge to edge of SK rstrake *13 1/2* 13 13 1/2 13

Strake in way of Lower Deck Beams *13* 13

Sheerstrake, breadth and thickness *44* 15 44 15

Poop Bridge Sides *7* 7

Forecastle Sides *7* 7

Lengths of Plating *Seven from stern*

1167098

| BUCKHEADS. | | No. in Vessel | | Reqd. by Rule | |
|---|---------|--|------------|----------------------|---------------|
| Thickness. | Angles. | Spacing. | Height up. | Sngl or Dbl. Frames. | |
| Ceiling betwixt Decks, thickness and material <i>2 1/2 in. p.p.</i> | | | | | |
| " in hold do. <i>2 1/2 in. p.p.</i> | | | | | |
| V. T. BULHEADS. | | Vrtl. <i>30</i> | | <i>Main deck</i> | <i>Double</i> |
| PARTITIONS | | Hrztl. <i>18</i> | | | |
| LONGITUDINAL | | Vrtl. <i>18</i> | | | |
| Are the outside Plates doubled two spaces of Frames in length? | | <i>Yes</i> | | | |
| The FRAMES extend in one length from <i>keel</i> to <i>upper deck</i> | | Riveted through Plates with <i>3/4</i> in. Rivets, about <i>6 1/2</i> apart. | | | |
| The REVERSED ANGLES on floors and frames extend from <i>middle line</i> to <i>main deck</i> and to <i>forecastle</i> alternately. | | | | | |
| RIVETING OF EDGES AND BUTTS OF SHELL PLATING AND BUTTS OF STRINGER PLATES, TIE PLATES, KEELSONS, &c. | | | | | |
| Garboard, double riveted to Bar Keel <i>18</i> in. diameter, averaging <i>5 1/2</i> ins. from centre to centre. | | | | | |
| Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets <i>3/4</i> in. diameter, averaging <i>3 1/2</i> ins. from centre to centre. | | | | | |
| Butts from <i>keel</i> to turn of Bilge, worked carvel, treble <i>double</i> riveted; <i>whole</i> length; with rivets <i>3/4</i> in. dia., averaging <i>3 1/2</i> ins. from cr. to cr. | | | | | |
| Butts from <i>keel</i> to turn of Bilge, worked carvel, treble <i>double</i> riveted; <i>whole</i> length; with rivets <i>3/4</i> in. dia., averaging <i>3 1/2</i> ins. from cr. to cr. | | | | | |
| Edges from Bilge to Sheerstrake, worked clencher, double <i>double</i> riveted; with rivets <i>3/4</i> in. diameter, averaging <i>3 1/2</i> ins. from centre to centre. | | | | | |
| Butts from Bilge to Sheerstrake, worked carvel, treble <i>double</i> riveted; <i>whole</i> length; with rivets <i>3/4</i> in. dia., averaging <i>3 1/2</i> ins. from cr. to cr. | | | | | |
| Edges of Sheerstrake, <i>double</i> riveted. | | | | | |
| Butts of Sheerstrake, treble riveted for <i>whole</i> length. | | | | | |
| Butts of Main Stringer Plate, treble riveted for <i>whole</i> length. | | | | | |
| Butts of Inner Bottom Plating, <i>double</i> riveted for <i>whole</i> length. | | | | | |
| Breadth of edge laps of Shell Plating in double riveting <i>5 1/2</i> in. | | | | | |
| Butt Straps of Shell Plating, breadth and thickness <i>1 1/2</i> in. <i>1/2</i> in. | | | | | |
| Butt Straps of Keelsons, Stringer and Tie Plates, treble or double riveted? <i>treble and double</i> | | | | | |
| Manufacturer's name or trade mark of the <i>Steel</i> (state process of manufacture of <i>Steel</i>) used for Frames, Beams, Keelsons, Tie, and Stringer Plates. Outside Plating, &c. <i>Parkhead, Dalzell, Calmeyer, Butterley, Halliwell, and Cydubridge. Siemens process.</i> | | | | | |
| Workmanship. Are the butts of plating planed or otherwise fitted? <i>Planed.</i> | | | | | |
| Is the riveted work properly closed? <i>Yes.</i> | | | | | |
| Are the liners between the frames and plates solid single pieces? <i>Yes.</i> | | | | | |
| Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? <i>Yes.</i> | | | | | |
| Are the five holes well and sufficiently countersunk in the plate and punched from the facing surfaces? <i>Yes.</i> | | | | | |
| Do any rivets break into or through the seams or butts of the plating? <i>No.</i> | | | | | |
| Are the butts of Plating, Stringers, &c., properly shifted and strapped or lapped? <i>Yes.</i> | | | | | |

| MASTS AND SPARS. | | | | | | | | | | | |
|-------------------|-----------|---------------|-------------------------|-------|---------|-------|----------------------------|---------|-------|-----------|---------|
| | Material. | Total length. | DIAMETER AND THICKNESS. | | | | Number of Plates in Round. | ANGLES. | | RIVETING. | |
| | | | At Partners. | Heel. | Hounds. | Head. | | Number. | Size. | Seams. | Butts. |
| Fore Mast | Steel | 91-9 | 30-0 | 23-0 | 25-0 | 20-0 | 3 | 3 | 1-0-0 | Double | Treble. |
| Main Mast | " | 91-9 | " | " | " | " | 3 | 3 | " | " | " |
| Mizen Mast | " | 91-9 | " | " | " | " | 3 | 3 | " | " | " |
| Jigger Mast | " | 89-9 | 24-0 | 19-0 | 20-0 | 16-0 | 2 | 4 | 4-3-0 | " | " |
| Fore Mast | " | 56-9 | " | 20-0 | 18-0 | 15-0 | 2 | " | " | Single | " |
| Main Mast | " | 56-9 | " | " | " | " | 2 | " | " | " | " |
| Mizen Mast | " | 56-9 | " | " | " | " | 2 | " | " | " | " |
| Jigger Mast | " | 41-0 | " | 17-0 | " | 14-0 | 2 | " | " | " | " |
| Fore Mast | " | 86-0 | At Centre | 21-0 | At Ends | 10-0 | 2 | " | " | " | " |
| Main Mast | " | 86-0 | " | " | " | " | 2 | " | " | " | " |
| Crossjack | " | 86-0 | " | " | " | " | 2 | " | " | " | " |
| Jigger Mast | " | " | " | " | " | " | " | " | " | " | " |
| Lower Fore Mast | " | 81-6 | " | 20-0 | " | 10-0 | 2 | " | " | " | " |
| Upper Fore Mast | " | 78-6 | " | 19-0 | " | 9-0 | 2 | " | " | " | " |
| Lower Main Mast | " | 81-6 | " | 20-0 | " | 10-0 | 2 | " | " | " | " |
| Upper Main Mast | " | 78-6 | " | 19-0 | " | 9-0 | 2 | " | " | " | " |
| Lower Mizzen Mast | " | 81-6 | " | 20-0 | " | 10-0 | 2 | " | " | " | " |
| Upper Mizzen Mast | " | 78-6 | " | 19-0 | " | 9-0 | 2 | " | " | " | " |
| Lower Jigger Mast | " | " | " | " | " | " | " | " | " | " | " |
| Upper Jigger Mast | " | " | " | " | " | " | " | " | " | " | " |

Remainder of Spars *Steel and pine.*

Rigging. Material and Size. *Shrouds Steel wire. Fore, main, mizen & jigger stays. Fore, main, mizen & jigger 3/4 in. Quality Guaranteed.*

Sails. *On.* Suit of Sails, and the following Spare Sails *1 suit of fore sail, and 1 suit of mizen square sail.*

| EQUIPMENT No. 31192 LETTER X | | | | | | | | | | | | ANCHORS. | | | | |
|------------------------------|-------------------|------|------|-----------------|------|------|-----------------------|------|------|------|----------------------|----------|------|------------------------|---|-------------------------|
| Number of Certificate. | WEIGHT, EX. STOCK | | | WEIGHT OF STOCK | | | TEST, PER CERTIFICATE | | | | WEIGHT REQ. PER RULE | | | Description of Anchor. | Where and when tested and Superintendent. | |
| | Cwts. | qrs. | lbs. | Cwts. | qrs. | lbs. | Tons. | cwts | qrs. | lbs. | Cwts. | qrs. | lbs. | | | |
| 23758 | 1st Bower... | 44 | 0 | 0 | 10 | 2 | 14 | 38 | 12 | 2 | 0 | 42 | 0 | 0 | Rodgers. | |
| 23757 | 2nd " ... | 42 | 0 | 0 | 10 | 2 | 0 | 37 | 2 | 2 | 0 | 42 | 0 | 0 | " | |
| 23773 | 3rd " ... | 35 | 3 | 14 | 9 | 0 | 0 | 33 | 0 | 2 | 14 | 35 | 3 | 0 | " | H. F. Parker Sunderland |
| | 4th " ... | | | | | | | | | | | | | | | 31st May 1892 |
| | Collective weight | 121 | 3 | 14 | | | | | | | | 119 | 3 | 0 | | J. K. H. H. H. |
| 23759 | Stream | 13 | 2 | 7 | 3 | 2 | 21 | 15 | 5 | 3 | 21 | 13 | 2 | 0 | Common. | H. F. Parker |
| 23774 | Kedge | 6 | 3 | 0 | 1 | 2 | 21 | 9 | 0 | 0 | 0 | 6 | 3 | 0 | " | |
| 23770 | 2nd Kedge .. | 3 | 2 | 0 | 0 | 3 | 14 | 5 | 18 | 3 | 0 | 3 | 2 | 0 | " | |

| CHAIN CABLES. | | | | | | | | | | | | HAWSEERS AND WARPS | | | |
|---|---|-------|-----------------------|------------------------|-----------------|------------------|---------------------|--|----------------|-------------------|-------|--------------------|--|--|--|
| Number of Certificate. | Fathoms | Size | Test per Certificate. | Weight of Chain Cable. | Fathoms & Size. | Description. | Makers of Cables. | Where and when tested, and Superintendent. | Material. | Fathoms | Size. | Fathoms & Size. | | | |
| 9862 | 150 | 2 1/2 | 120 5 86 3 | 3120-22 | 300-2 1/2 | <i>Stud link</i> | | <i>Sunderland</i> | <i>Towline</i> | <i>Hemp</i> | 20 | 13 | | | |
| 9863 | 150 | " | " | 363-1-9 | " | " | <i>H. J. Parker</i> | <i>1st & 10th June 1892</i> | <i>Hawser</i> | <i>Steel wire</i> | 90 | 1 1/2 | | | |
| Iron Stream Chain | 120 | 1 1/2 | 348-22 1/2 | 81-3-7 | 120-1 1/2 | " | <i>H. J. Parker</i> | <i>1st & 10th June 1892</i> | <i>2 off</i> | <i>Hemp</i> | 120 | 2 1/2 | | | |
| Towline | 90 | 1 1/2 | 39 | 90-4 1/2 | " | " | <i>H. J. Parker</i> | <i>1st & 10th June 1892</i> | <i>2 off</i> | <i>Hemp</i> | 90 | 1 1/2 | | | |
| Boats | <i>Two life boats and 2 others.</i> | | | | | | | | | | | | | | |
| Pumps | <i>Two in hold and 1 in fore peak.</i> | | | | | | | | | | | | | | |
| Windlass | <i>On each side, 5 scupperns, 4 ports 36 x 24, 3 ports 30 x 9, and 4 scupperns.</i> | | | | | | | | | | | | | | |
| Number of Scupperns, and number and dimensions of Freeing Ports | <i>On each side, 5 scupperns, 4 ports 36 x 24, 3 ports 30 x 9, and 4 scupperns.</i> | | | | | | | | | | | | | | |
| Cargo Hatchways. How formed? | <i>Of plates and angles.</i> | | | | | | | | | | | | | | |
| State size No. 1 Hatch (Forward) | <i>7-6 x 8-1 x 30.</i> | | | | | | | | | | | | | | |
| Number of Web Plates, Shifting Beams, and Fore and Afters to each hatch | <i>No. 2 Hatch 15-6 x 12-0 x 30.</i> | | | | | | | | | | | | | | |
| Hulwarks, Height above deck and description | <i>4-3. Steel plating to</i> | | | | | | | | | | | | | | |
| The above is a correct description. | <i>Surveyor's Signature</i> | | | | | | | | | | | | | | |
| Builder's Signature (here only) | <i>Thacker & Thompson</i> | | | | | | | | | | | | | | |

Order for Special Survey No. **2569**
Date **16th Dec 1891**
Order for Ordinary Survey No. **1**
Date **1**
No. **56** in builder's yard.

DATES OF SURVEYS
held while building
as per Section 18.

- 1st. On the several parts of the frame, when in place, and before the plating was wrought
2nd. On the plating during the process of riveting
3rd. When the beams were in and fastened, and before the decks were laid
4th. When the ship was complete, and before the plating was finally coated or cemented
5th. After the ship was launched and equipped

1892: - Jan. 12, 15, 21, 25, 29. Feb. 2, 4, 11, 15.
22, 26, 29. Mar. 4, 8, 14, 17, 21, 24, 31. April 7, 12,
14, 16, 22, 26. May 2, 10, 13, 20, 24, 30. June 2, 7, 8, 13, 17,
21, 23, 27, 30. July 8, 27. Aug. 2.

Total No. of Visits **43**

State dates and initials of letters respecting this case

17th Nov & 3rd Dec 1891. 11th, 19th & 23rd Feb, 8th, 9th, 11th & 21st Mar 1892 M.

General Remarks (State quality of workmanship, &c.) **The workmanship throughout is good.**

This vessel is built of steel in accordance with midship section forwarded to London on the 27th July 1892, the accompanying tracings (3 in 1/2), the Secretary's letters referred to above, and in general conformity with the Rules for the Class contemplated.

PARTICULARS FOR RECORD IN THE REGISTER BOOK.

Length of Poop **Included 36** ft., R.Q.D. or Break **40** ft., Bridge Dk. **28** ft., Forecastle **28** ft. (in feet and tenths).
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 **One Deck (Steel w.s.) 2 tiers of Beams.**
Official No. **99839** Signal Letters

PARTICULARS OF WATER BALLAST.

Double bottom, aft, length **✓** and water capacity in tons **✓**. Double bottom, amidships, length **✓** and water capacity in tons **✓**.
Double bottom, forward, length **✓** and water capacity in tons **✓**.
Double bottom, constructed on the cellular system, length **✓** and water capacity in tons **✓**.
Fore peak tank, water capacity in tons **✓**. After peak tank, water capacity in tons **✓**.
Midship deep tank, length **✓** and water capacity in tons **✓**. Other tanks, if fitted, length **✓** and water capacity in tons **✓**.
The above have **✓** been tested as required by the Rules.
(If necessary, furnish further information by sketch.)

How are the surfaces preserved from oxidation? Inside **By cement and paint** Outside **By paint.**

FREEBOARD assigned by the Committee, as per Secretary's Letter,
dated **1st July 1892**

5 ft. **10** ins. In Salt Water
5 ft. **4 1/2** ins. In Fresh Water
6 ft. **3** ins. In Winter, in North Atlantic

To top of Wood **Iron**
Steel upper deck.
Statutory
Deck line.

The amount of Entry Fee £ **5** is received by me, **JTH**
Special... £ **93** : **1** : **0** **5/8** 1892
Certificate* £ " : " : "
Travelling Expenses, if any £ " : " : "

Certificate to be sent to

Glasgow

I am of opinion this Vessel should be Classed

***100A1**

J. Thomson
Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute
Character assigned

FRI 5 AUG 1892

FR 2 JUN 1893

FR 7 JUL 1893

a r c p

100A1 Steel

15k (Steel-ws) 2 tiers

This vessel appears to have been built in accordance with the Rules and the approved plans, and it is submitted that she is eligible to be classed 100A1 (Steel) as recommended.

100A1 (Steel)

15k (Steel-ws) 2 tiers



© 2019
Lloyd's Register
Foundation

(211) 6820-591579