

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office FRI. OCT. - 2. 1914

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

Date of completion of report

Survey held at *Hall & Selby*

Date, First Survey, *Apr 8*

Port of *Bull*

Last Survey

No. *27946*
15 1914

On the (Single, Twin or Triple Screw) *STEAM TRAWLER*

"MENA"

Rig *Yawl*

TONNAGE under Tonnage Deck... *212.09*

CLASS *+100A1*

FEET.

Master

Do. between Tonnage Dk. and 3rd and 4th Dk.

Breadth (greatest moulded) *22.12*

Year of appointment

Total under Upper Dk.

Depth, at middle of length from top of keel to top of upper deck beams at side *12.33*

Built at *Selby*

Do. of Poop

Transverse Number *34.45*

When built *1914*

Do. of R.Q.Dk. *break 14.72*

Length on deck from fore part of stem to after part of stern post *122.0*

Launched *31 June 1914*

Do. of Bridge House

Longitudinal Number *4203*

By whom built *Cochran & Sons Ltd.*

Do. of Forecastle

Depth "d," at middle of length (See Secs. 2 & 13) *11.0*

Owners *Roberts & Ruthven Ltd.*

Do. of Houses on Dk. *6.07*

Proportions—Depths to Length—Upper Deck Beam at side to top of keel *9.89*

Managers

Do. of excess of Hatchways

" " Long Bridge Deck Beam at side to top of keel

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

Do. above Crown of Engine Room

Gross Tonnage *233.74*

Residence *Grimsby*

Less Crew Space

Less above Crown of Engine Room *115.59*

Port belonging to *Grimsby*

Less Engine Room

Less Navigation Spaces *8.06*

And

Register Tonnage *110.09*

Destined Voyage *Fishing*

If Surveyed while Building Afloat, or in Dry Dock

| 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 |
|----------------------------|----------|---------|-----------------|--------------|---------|---|----------|----------|-----------------------------|
| <i>122</i> | <i>0</i> | | <i>22</i> | <i>1 1/2</i> | | <i>11</i> | <i>5</i> | <i>7</i> | <i>One</i> |

| | | | | | | |
|--|----------------------|--------------------|------------------------------|---------------|--|------|
| Dimensions of Ship per Register, Length <i>122.2</i> | breadth <i>22.25</i> | depth <i>11.55</i> | Moulded depth, ft. <i>12</i> | ins. <i>4</i> | To Bridge Dk. Round of Upper Dk. Beam, Actual <i>7</i> | ins. |
|--|----------------------|--------------------|------------------------------|---------------|--|------|

| FRAMING. | Inches in Ship | Inches in Ship | Inches in Ship | Inches in Ship | Inches in Ship | PILLARS. | Inches in Ship | Inches in Ship | Inches in Ship | Inches in Ship | Inches in Ship |
|---|----------------|----------------|----------------|----------------|----------------|---|----------------|----------------|----------------|----------------|----------------|
| FRAME, Angles, or <i>or</i> Bars amidships | <i>4</i> | <i>3</i> | <i>40</i> | <i>4</i> | <i>3</i> | PILLARS, In 'tween Deck, size and spacing | | | | | |
| Do. in peaks | | | | | | " " Hold | | | | | |
| Do. in way of Double Bottoms at Solid Floors | | | | | | " Quarter 'tween Dks., | | | | | |
| " " at intermdt. Bkts. | | | | | | " " in Hold | | | | | |
| Spacing of Frames from centre to centre amidships | | | | | | | | | | | |
| " " from <i>1</i> | | | | | | KEELSONS & STRINGERS. | | | | | |
| " " length to Collision bulkhead | | | | | | CENTRE LINE KEELSON, Vertical Plate above | | | | | |
| REVERSED FRAME, Angles | <i>3</i> | <i>3</i> | <i>37</i> | <i>3</i> | <i>37</i> | floors, Through Plate, or Intercoastal Plate | <i>8 1/2</i> | <i>50</i> | <i>8 1/2</i> | <i>50</i> | |
| Do. in way of Double Bottoms at Solid Floors | | | | | | " Rider Plate | | | | | |
| " " at intermdt. Bkts. | | | | | | " Flat Plate Keel Angles | | | | | |
| FRAMING, depth of girder | | | | | | " Horizontal Plates on Floors | | | | | |
| FLOORS, depth and thickness of Floor Plate | <i>16</i> | <i>37</i> | | <i>16</i> | <i>37</i> | " Angles or Bulb Angles | <i>5</i> | <i>3</i> | <i>50</i> | <i>5</i> | <i>3</i> |
| at mid-line for <i>1</i> length amidships | | | | | | " " " " | | | | | |
| " in way of Engine and Boiler Spaces | | | | | | SIDE KEELSONS, Number | | | | | |
| " thickness at the ends of vessel | | | | | | " Angles or Bulb Angles | | | | | |
| " depth at <i>1</i> the half breadth, as per Rule | | | | | | " Plate above floors, for length | | | | | |
| " height extended at the Bilges | | | | | | " Intercoastal Plate, for length | | | | | |
| FLOORS in Cell. Double Bottoms | | | | | | " Attached to outside Plating with Angle | | | | | |
| " state if flanged (top & bottom) | | | | | | BILGE KEELSON, Angles | <i>5</i> | <i>4</i> | <i>40</i> | <i>5</i> | <i>4</i> |
| " Spacing of Solid floors | | | | | | " Intercoastal Plate for length | | | | | |
| CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss. | | | | | | " Attached to outside Plating with Angle | | | | | |
| " Angles, Top | | | | | | SIDE STRINGERS, Number | | | | | |
| " " Bottom | | | | | | " " Angle | <i>5</i> | <i>4</i> | <i>40</i> | <i>5</i> | <i>4</i> |
| " " to Floors | | | | | | " Intercoastal Plate, for length | | | | | |
| " Brackets at intermdt. frmg., wdth & thkns | | | | | | " Attached to outside plating with Angle | | | | | |
| SIDE GIRDERS, number on each side & thickness | | | | | | Upper Deck Stringer Plate, br'dth & thickness | <i>50</i> | <i>31</i> | <i>50</i> | <i>31</i> | |
| " state if flanged (top and bottom) | | | | | | " " " " (clear of Bridge) | | | | | |
| " Angles (top and bottom) | | | | | | " " " " (in way of Bridge) | <i>3 x 3</i> | <i>37</i> | <i>3 x 3</i> | <i>37</i> | |
| " " to Floors | | | | | | " " " " Angle (clear of Bridge) | <i>8</i> | <i>37</i> | <i>8</i> | <i>37</i> | |
| MARGIN PLATE, depth (exclusive of flange) and thickness | | | | | | " Deck * Iron or Steel, for <i>per deck plan</i> | | | | | |
| " Angle to Outside Plating | | | | | | " Thickness (clear of Bridge) | | | | | |
| " " Floors | | | | | | " " (in way of Bridge) | | | | | |
| " Brackets at intermdt. frmg., wdth & thkns | | | | | | " Wood Deck. Material & thickness <i>P. Plan</i> | <i>5 x 3</i> | | <i>5 x 3</i> | | |
| Height of Outside Brackets above at bilge | | | | | | Second Deck Stringer Plate, br'dth & thickness | | | | | |
| INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake | | | | | | " Angles on ditto, No. | | | | | |
| " in Engine and Boiler space | | | | | | " Tie Plates outside Hatchways | | | | | |
| " Remainder in Holds | | | | | | " Deck * Iron or Steel, for <i>lng.</i> | | | | | |
| BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel | <i>5</i> | <i>3</i> | <i>50</i> | <i>5</i> | <i>3</i> | " Wood Deck. Material & thickness | | | | | |
| " In way of Long Bridge | | | | | | Third Deck Stringer Plate, br'dth & thickness | | | | | |
| " Spacing | | | | | | " Angles on ditto, No. | | | | | |
| BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel | | | | | | " Tie Plates, outside Hatchways | | | | | |
| " Spacing | | | | | | " Deck * Material and thickness | | | | | |
| BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel | | | | | | Fourth and Fifth Deck Stringer Plate, breadth & thickness | | | | | |
| " Angles on upper edge | | | | | | " " Angles on ditto, No. | | | | | |
| " Spacing | | | | | | " " Tie Plates outside Hatchways | | | | | |
| BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel | | | | | | " " Deck. Material & thickness | | | | | |
| " Angles on upper edge | | | | | | Poop Deck Stringer Plate, breadth & thickness | | | | | |
| " Spacing | | | | | | " Angle on ditto | | | | | |
| BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel | | | | | | " Tie Plates | | | | | |
| " Angles on upper edge | | | | | | " Deck. Material and thickness | | | | | |
| " Spacing | | | | | | Bridge Deck Stringer Plate, br'dth & thickness | | | | | |
| BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel | <i>4</i> | <i>3</i> | <i>40</i> | <i>4</i> | <i>3</i> | " Angle on ditto | | | | | |
| " Angles on upper edge | | | | | | " Tie Plates | | | | | |
| " Spacing | | | | | | " Deck. Material and thickness | | | | | |

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

[illegible]

FRI OCT - 2 1914

| EQUIPMENT No. | | | | LETTER | | | | ANCHORS | | | | TONNAGE U.D.K. OR PLATING NO. FOR TRAWLERS | | | |
|------------------------|--|--|--|---------------|--|--|--|---------------------------|--|--|--|--|--|--|--|
| Number of Certificate. | | | | Anchors. | | | | WEIGHT REQUIRED BY RULES. | | | | Description of Anchor. | | | |
| | | | | Wt. per Cert. | | | | Test Per Certificate | | | | Where and when tested and Superintendent. | | | |
| 17295 1st Bower ... | | | | 6 2 6 Stokers | | | | 8 15 0 0 | | | | Taylors | | | |
| 17296 2nd " | | | | 4 3 22 | | | | 7 7 2 0 | | | | Ordinary | | | |
| 17297 3rd " | | | | 2 2 6 | | | | 5 0 0 0 | | | | " | | | |
| 4th " | | | | | | | | | | | | | | | |
| Collective weight | | | | 14 0 6 | | | | | | | | 13 3 0 | | | |
| Stream | | | | | | | | | | | | | | | |
| Kedge..... | | | | | | | | | | | | | | | |

| CHAIN CABLES. | | | | HAWSERS AND WARPS. | | | | | | | | | | | |
|---------------------------------|--|--|--|------------------------|--|--|--|-------------------------------|--|--|--|--------------------------------------|--|--|--|
| Length and size supplied. | | | | Weight of Chain Cable. | | | | Length and Size per Table 31. | | | | Material. | | | |
| No. of Chain. | | | | Supplied. | | | | Per Rule. | | | | Breaking Test of Steel Wire Towline. | | | |
| 15405 90. | | | | 46-3-0 45-3-17 | | | | 90 1. | | | | TOWLINE | | | |
| Iron Stream Chain or Steel Wire | | | | Cir. | | | | Cir. | | | | HAWSERS & WARPS | | | |

Boats one x faad.
Pumps, Number 3.
Windlass is Rimmel & Frows (hand)
Engine Room Skylights.—How constructed? Leak
Coal Bunker Openings.—How constructed? C. I. Dices
Number of Scupperns, and numbers and dimensions of Freeing Ports, &c. Scupperns 4 each wath ports (3 @ 18"x9", one @ 24"x10") each side
Ceiling in Holds, thickness and material. 2". P. Fine.
Cargo Hatchways.—How formed? Seattle.
State size No. 1 Hatch (Forward) ✓ No. 2 Hatch ✓
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch ✓
Bulwarks, height above deck and description 48' x .81' solid
The foregoing is a correct description.
Builder's Signature (here only) J.H. Cochrane.
Surveyor's Signature R.C. Laws.
Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this case (*Reference should be made in any correspondence connected with the case*)
M 6/3/14 E 2/4/14
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? few
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. 26, par. 20)? Trawler State results of tests ✓
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Trawler State results of tests ✓
General Remarks (State quality of workmanship, &c.) This vessel has been built in accordance with the approved plans herewith enclosed, The Secretary's letter generally in conformity with the Society's Rules, and the materials & workmanship throughout are good.

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, | Certificate to be sent to | Date of issue |
|---|---------------------------|---------------|
| The amount of Entry Fee £ 2 : 0 : 0 | Full | 6/10/14 |
| Special Survey Fee.... £ 11 : 14 : 0 | | |
| Travelling Expenses, if any £ — : 14 : 8 | | |

I am of opinion this Vessel should be Classed +100A Non-Trawler"
With, or without Freeboard, as condition of Class without.

Committee's Minute
Character assigned
TUE.OCT.-6.1914
+ L.M.B. 9.14

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 76 ft., R.Q.D. 76 ft., Bridge 17 ft., Forecastle 17 ft.
(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 as it should appear in the Register Book) 1 Stk.
Official No. _____; Signal Letters _____ State if Machinery is fitted aft Yes
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 girders on floors.

| 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, | | |
| | | | (If necessary, furnish further information by sketch.) | | |
| | | Total capacity of double bottom | | | |

* 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. 2061
Date 10/3/14
No. 607 in Builder's yard.
DATES of Surveys held while building
1914 - Apr 8. 15. 16. 28. May 5. 9. 14. 21. 28 Jun 5. 12. 23. 25 Jul 1. 10. 24. 28
Sep 3. 7. 10. 14. 15
Total No. of Visits 22

Surveyor's Signature P. C. Lawrence