

STEEL STEAMER ~~OR~~ MOTORSHIP.

2 DEC 1942

Received at London Office

State if Report has been sent on the Freeboard of the Vessel No.State if Report is sent on the Machinery of the Vessel Yes.

Date of completion of report

Port of HULL

No.

51820.Survey held at Selly and Hull.Date First Survey 5th May 1942Last Survey 11th November

1942.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Steel single screw A/S. Trawler "MULLET" (Machinery aft).

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

Full ScantlingState Type of Erections R.Q. DECK & FORECASTLE.TONNAGE under
Tonnage Deck ...339.88Do. of space or spaces
between Tonnage Dk.
and Upper Dk.✓CLASS *100 A.1.State if with freeboard
as condition of Class

✓

"STEAM TRAWLER"

Length from fore part of stem to after part of stern
post on summer L.W.L. See Sec. 3 (1a)L 146.5

Breadth (greatest moulded)

B 25.0Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c)D 14.0

1st Longitudinal Number (L x D)

2051

2nd Numeral L x (B + D)

5713Framing Depth "d," at middle of length. See
Sec. 3 (1d)12.58Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel10.46Do. Long Bridge to
top of keel✓

Draught Moulded

✓Built at Selly.Launched 14th August 1942 Yard No. 1253.Builders Boehne & Sons LtdOwners The Admiralty

Managers

(Where necessary to be entered in Reg. Book)

Residence London

Port of Registry

If surveyed while building, afloat, or in dry dock

During construction

REGISTERED DIMENSIONS.

FEET

Length 147.8Breadth 25.15Depth 13.25

FRAMES, DOUBLE BOTTOM AND BEAMS.

FRAMES, Spacing amidships

21

✓" " from $\frac{1}{2}$ length amidships to
Collision bulkhead

16

✓

" " in peaks

21

✓

SIDE FRAMING.

Frame Amidships, Angle, E or L

5 3 40

✓" " Extends up to UPPER & R.Q. DECKS

Reversed Frame Amidships, Angle

3 3 38

✓" " Extends up to across floors

Depth of Framing Girder

5

✓Frames in Uppermost Continuous 'tween
Decks, Angle, E or L" " Second 'tween Decks, Angle, E or L

" " Third " " " "

" " from $\frac{1}{2}$ len. for'd. to 15% len. from
Stem" " in Peaks, Angle or E

5 3 40

✓Diameter and Spacing of Rivets through
Frame and Shell Plating amid-
ships

3/4" - 5/16"

✓

State if Frame Joggled

No.Are the scantlings and arrangements in the
Panting Area in accordance with the Rules
and/or as approved?Are the scantlings and arrangements in way
of the Bottom Forward in accordance with
the Rules and/or as approved?AS APPROVED

SINGLE BOTTOM.

Floors, Depth and thickness at mid-line in
Holds

17" x 38

50 ERM. - 43 BRM.Height of Brackets at side above
base line at toe of frameMiddle Line Keelson, on Floors, Angle,
E or L12x4x4x36-47 lbs." " " Through Plate or Inter-
costal Plate✓" " " Foundation Plate on
Floors✓

" " " Flat Plate Keel Angles

✓

Side Keelsons, No. each side

ONE

" " thickness of Intercoastal Plate

" " Angle

5 4 50

✓

DOUBLE BOTTOM.

Solid Floors, thickness and spacing

" " Are Frame and Reversed Frame
joggled?Bracket Floors, breadth and thickness at
middle line" " breadth and thickness at
margin plateAS APPROVED

Bracket Floors, Frame

" " Reversed Frame

" " Vertical Struts

Centre Girder, depth and thickness amidships

" " top Angles

" " bottom Angles

Side Girders, No. each side and thickness

Margin Plate depth (excl. of flange) and
thickness" " Vertical Angle to Tank side
Bracket abaft $\frac{1}{4}$ len. from
stem" " Vertical Angle to Tank side
Bracket from forward $\frac{1}{4}$ len.
from stem to Panting Area" " Gussets, spacing and scantling
abaft $\frac{1}{4}$ len. from stem" " Gussets, spacing and scantling
from forward $\frac{1}{4}$ len. from stem
to Panting AreaTank Side Brackets, height above base line
at toe of Frame and thickness

INNER BOTTOM PLATING.

Breadth and thickness of Middle Line Strake

Thickness of remainder in Holds

Are Rule requirements complied with regard-
ing increases of scantlings in way of double
bottom in E. & B. space and framing in
Bunkers and Boiler Room?

BEAMS.

Uppermost Continuous Deck, amidships in
Wells, Angle, E or L" " in way of Bridge, Angle,
E or L

Spacing

RAISED QUARTER

Second Deck, amidships, Angle, E or L

Spacing

Third Deck, amidships, Angle, E or L

Spacing

Fourth Deck, amidships, Angle, E or L

Spacing

Poop Deck, Angle, E or L

Spacing

Bridge Deck, Angle, E or L

Spacing

Forecastle Deck, Angle, E or L

Spacing

PILLARS AND DECKS.

| | INCHES IN SHIP. | Any Departure from Approved Plans to be Noted. | INCHES IN SHIP. | Any Departure from Approved Plans to be Noted. |
|---|----------------------------------|--|-----------------|--|
| PILLARS, No. of Rows | One | | | |
| in 'tween Decks, Size and Spacing | 3" dia. as approved. | | | |
| in Holds | ✓ | | | |
| Centre Line Bulkhead. IN CROSS BUNKER | | | | |
| Stiffeners and Spacing | 5 3 30 SP. 40" & 42" | ✓ | | |
| Plating, thickness of | 30 | ✓ | | |
| STRINGERS AND DECKS. | | | | |
| Uppermost Continuous Deck. | | | | |
| Stringer Plate, breadth and thickness in Wells | 50 x 31 | ✓ | | |
| in way of Bridge | R.Q. DECK 53 x 31 | ✓ | | |
| Angle in Wells | 3 3 375 | ✓ | | |
| Thickness of Plating abreast Deck openings in way of Wells | BOILER CASING 35 | ✓ | | |
| Thickness of Plating abreast Deck openings in way of Bridge | ENGINE CASING 31 | ✓ | | |
| Thickness of Plating within line of openings... | 31 | ✓ | | |
| If Sheathed, material and thickness | (UPPER DECK) 5" x 2" BORNEO PINE | ✓ | | |
| Second Deck. | | | | |
| Stringer Plate, breadth and thickness in Wells | ✓ | | | |
| Stringer Plate, breadth and thickness in way of Bridge | | | | |
| Thickness of Plating abreast Deck openings in way of Wells | | | | |
| Thickness of Plating abreast Deck openings in way of Bridge | | | | |
| Thickness of Plating within line of openings... | | | | |
| If Sheathed, material and thickness | | | | |
| Third Deck. | | | | |
| Stringer Plate, breadth and thickness | | | | |
| If Plated, state thickness | | | | |
| Fourth Deck. | | | | |
| Stringer Plate, breadth and thickness | | | | |
| If Plated, state thickness | | | | |
| Poop Deck. | | | | |
| Stringer Plate, breadth and thickness | | | | |
| Plating, Sheathing, material and thickness | | | | |
| Bridge Deck. | | | | |
| Stringer Plate, breadth and thickness | | | | |
| Plating, Sheathing, material and thickness | | | | |
| Forecastle Deck. | | | | |
| Stringer Plate, breadth and thickness | 30" x 30" | ✓ | | |
| Plating, Sheathing, material and thickness | 28 31 | ✓ | | |
| " UNDER WINDLASS | | | | |

SHELL PLATING.

| SCANTLINGS. | | | | | RIVETING. | | | | | | | | |
|---|---------------|------------|------------|------------|--|---------------------------------|----------------------|------------|-----------------------|---------------------------|------------|-----------------------|------------------------|
| STRAKES. | AS IN VESSEL. | | | | ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED. | EDGES. | | | BUTTS. | | | | |
| | AMIDSHIPS. | | FORWARD. | AFT. | | State if jogged? <i>Yes.</i> | SINGLE OR DOUBLE. | RIVETS. | | No. OF ROWS OF RIVETS. | RIVETS. | | STRAPPED OR LAPPED. |
| | Breadth. | Thickness. | Thickness. | Thickness. | | | | Diam. | Spacing cr. to cr. | | Diam. | Spacing cr. to cr. | |
| GARBOARD Flat Plate Keel | <i>"A"</i> | <i>32</i> | <i>50</i> | <i>42</i> | <i>42</i> | | <i>Double</i> | <i>3/4</i> | <i>5p.R.</i> | <i>Double</i> | <i>3/4</i> | <i>2 7/8</i> | <i>Strapped</i> |
| <i>Dbg. (if any)</i> | | <i>✓</i> | <i>✓</i> | | | | <i>✓</i> | | | <i>✓</i> | | | |
| Bottom Plating, No. of Strakes <i>2</i> | <i>"B"</i> | <i>51</i> | <i>40</i> | <i>375</i> | <i>375</i> | | <i>Double</i> | <i>3/4</i> | <i>5p.R.</i> | <i>Double</i> | <i>3/4</i> | <i>2 7/8</i> | <i>Lapped</i> |
| Bilge Plating, No. of Strakes <i>1</i> | <i>"C"</i> | <i>51</i> | <i>43</i> | <i>375</i> | <i>375</i> | | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> |
| Side Plating, No. of Strakes <i>1</i> | <i>"D"</i> | <i>53</i> | <i>40</i> | <i>375</i> | <i>375</i> | | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> |
| Upper Deck, Sheer- strake in Wells | <i>"E"</i> | <i>51</i> | <i>43</i> | <i>375</i> | <i>375</i> | | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> |
| Upper Deck, Sheer- strake in Bridge ... | | <i>42</i> | <i>625</i> | <i>50</i> | <i>50</i> | | <i>Double</i> | <i>3/4</i> | <i>5p.R.</i> | <i>Double</i> | <i>3/4</i> | <i>2 7/8</i> | <i>Strapped</i> |
| Strake below Sheer- strake in Wells | | <i>✓</i> | <i>✓</i> | | | | <i>✓</i> | | | <i>✓</i> | | | |
| Strake below Sheer- strake in Bridge ... | | <i>51</i> | <i>40</i> | <i>375</i> | <i>375</i> | | <i>Double</i> | <i>3/4</i> | <i>5p.R.</i> | <i>Double</i> | <i>3/4</i> | <i>2 7/8</i> | <i>Lapped</i> |
| Poop Side Plating | | <i>✓</i> | <i>✓</i> | | | | <i>✓</i> | | | | | | |
| Bridge Side Plating | | <i>✓</i> | <i>✓</i> | | | | <i>✓</i> | | | | | | |
| Forecastle Side Plating | | <i>53</i> | <i>31</i> | | | | <i>Single</i> | <i>3/4</i> | | <i>Single</i> | <i>3/4</i> | <i>2 7/8</i> | <i>Strapped</i> |

WATERTIGHT BULKHEADS.

| | |
|--|---|
| Total No. of W.T. BULKHEADS in Vessel— | |
| Extending to Upper Deck (Sec. 3 c) | 4 |
| Deck next below | ✓ |
| As per Rule | 4 |

FORGINGS AND CASTINGS.

| | Casting or Forging. | Scantlings. | Maker's Name. | Any Departure from Approved Plans to be Noted. |
|---|---------------------|--------------------------|---------------------------|--|
| KEEL, Bar | Rolled | 8" x 2" | APPLEBY- | |
| STEM | " | 8" x 2" | FRODINGHAM STEEL CO. | |
| STERN FRAME | Propeller Post | 7 1/2 x 3 1/2 | T. S. FORSTER & SONS LTD. | |
| | Rudder | 12 x 3 1/2 | | |
| Speed of Vessel | | 12 knots | | |
| RUDDER—Type | | Ordinary Steam line type | | |
| " A x D | | 116.86 | | |
| " Diam. of head | | 6" | | |
| " Mainpiece at top pintle | | 6 1/2 x 4 1/2 | | |
| " heel | | 3 1/2 x 4 1/2 | | |
| " how constructed | | Yrked built | | |
| " double or single plate coupling, vertical or horizontal | | Double | | |
| | | Horizontal | | |

| | Plating Thickness. | STIFFENERS. | | | |
|--------------------------------------|--------------------|-------------|-------------|-------------|------------|
| | | VERTICAL. | | HORIZONTAL. | |
| | | Scantlings. | Spacing. | Scantlings. | Spacing. |
| MIDSHIP BULKHEAD, Upper 'tween decks | ON FRAME No 47 | 40-26 | 6 x 3 x 305 | 24" | W.T. FLAT. |
| " " Second | " 67 | 36-26 | 6 x 3 x 305 | 30" | W.T. FLAT. |
| " " Third | " 84 | 36-26 | 6 x 3 x 305 | 24" | ✓ |
| " " Holds | " 5 | 43-28 | 4 x 3 x 405 | 24" | ✓ |
| COLLISION " (in Hold) | " 12 | 26 | 3 x 3 x 305 | 30" | ✓ |
| AFTER PEAK | | ✓ | ✓ | | |

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture).
 PLATES:—DORMAN, LONG & CO. LD. APPLEBY-FRODINGHAM STEEL CO. LD. CONSETT IRON CO. LD.
 SECTIONS:—APPLEBY-FRODINGHAM STEEL CO. LD. DORMAN, LONG & CO. LD.

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

| EQUIPMENT No. ✓ | | | | | | | | | | | | LETTER ✓ 9 | | | | ANCHORS. | |
|------------------------|-------------------|--------------------|------|------|------------------|------|------|------------------------|-------|------|------|------------------------------|----------------------------------|--------------------------|--|----------|--|
| Number of Certificate. | Anchors. | WEIGHT, EX. STOCK. | | | WEIGHT OF STOCK. | | | TEST, PER CERTIFICATE. | | | | WEIGHT REQUIRED BY TABLE 53. | Description of Anchor. | Makers. | Where and when tested, and Superintendent. | | |
| | | Cwts. | qrs. | lbs. | Cwts. | qrs. | lbs. | Tons. | cwts. | qrs. | lbs. | | | | | | |
| 27466 | 1st Bower | 8 | 3 | 7 | Stockless | | | 11 | 0 | 0 | 0 | ✓ 8½ | Byers Stockless | Not stated | Low Walker 11-7-42 A. Glenn | | |
| 27458 | 2nd " | 8 | 0 | 14 | " | | | 10 | 5 | 0 | 0 | ✓ 8 | " " | " " | 9-7-42 Joseph Higgs | | |
| | 3rd " | | | | | | | | | | | | | | | | |
| | Collective weight | 16 | 3 | 21 | | | | | | | | 16½ | | | | | |
| 1828A | KEDGE Stream | 4 | 0 | 21 | 0 | 3 | 4 | 6 | 12 | 2 | 0 | ✓ 4 (ex stock) | Cast steel Admiralty plan anchor | Brown, Benson & Co. Ltd. | Cardiff 11-11-42 A. Butler | | |

CHAIN CABLES.

HAWSERS AND WARPS.

| Number of Certificate. | Length and size supplied. | | Test per Certificate. | | WEIGHT OF CHAIN CABLE. | | | Length and size per Table 53. | | Description. | Makers of Cables. | Where and when tested, and Superintendent. | Material. | Length and size supplied. | | Breaking Test of Steel Wire. | Length and size per Table 53. | |
|------------------------|---------------------------|--------|-----------------------|-------------|------------------------|-----------|------|-------------------------------|--------|--------------|-----------------------|--|-----------------|---------------------------|-------|---------------------------------------|-------------------------------|------|
| | Length. | Diam. | Stations. | Break- ing. | Supplied. | Per Rule. | | Length. | Diam. | | | | | Length. | Ins. | | Length. | Ins. |
| | Fathoms | Ins. | Tons. | Tons. | Cwts. | qrs. | lbs. | Fathoms | Ins. | | | | | Fathoms | Ins. | Tons. | Fathoms | Ins. |
| 66023 | 82 15F | 1 3/16 | 25 3/8 | 38 | 87-1-2 | 87 | | 120 | 1 3/16 | Stud | Richard Bradley Heath | | TOWLINE | 30 | 6 | MANILA FITTED WITH 35F. SWR EACH END. | | |
| | 120 | | | | | | | | | Link | Bykes & Son | 9-11-42 W.V. Norman | HAWSERS & WARPS | 120 | 6 | MANILA | 60 | 6 |
| | | | | | | | | | | | | | | 120 | 4 | COIR | 60 | 5 |
| | 150 | 2 1/2 | | | | | | 100 | 2 | | | | MOORING ROPE | 150 | 2 1/2 | IN 3 LENGTHS OF 50 FATHOMS. | | |
| | | | | | | | | | | | | | | | | (SUPPLIED BY ADMIRALTY) | | |

Steering Gear, Type (Power ~~or hand~~) DONKINS STEAM HYDRAULIC TYPE. Alternative Means of Steering TILLER WITH BLOCKS & TACKLE.

Steering Chains (Size and Test) NONE. Windlass STEAM (J.S. DOIG, GRIMSBY) LD. Boats 1-16'0" DINGHY.

Ceiling in Holds, thickness and material NONE. Cargo Battens, thickness, material and spacing NONE.

Cargo Hatchways.—(Upper Deck) NONE. Thickness of Hatches ✓

Size of Hatchways No. 1 (Fwd.) ✓ No. 2 ✓ No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓

Number of Shifting Beams and/or Fore and Afters ✓ **FOR COCHRANE & SONS, LTD.**

Builder's Signature V. Gray DIRECTOR

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel No.
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo No. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

This vessel has been built in accordance with the approved plans, the Secretary's letters of various dates, the specification, and in general conformity with the Rules for the class contemplated.

The materials and workmanship are good.

Fore & after peaks, fresh water and feed water tanks tested to rule requirements and found satisfactory.

Bottom of vessel and watertight flats flooded, shell plating and watertight bulkheads hoistested and found in order.

Decks, casings, watertight hatches &c. hoistested and found in order.

Windlass, steering gear &c. tried under working conditions and found in order.

No freeboard has been assigned.

The amount of Entry Fee..... £ ✓ : Fees applied for, 23-11-1942 (Special notations, where part of class, to be stated.)

Special Survey Fee AND FOR £ 110 0 0
SUPERVISION OF SPECIFICATION.

Travelling Expenses, if any..... £ 2:14:4

Received by me,

25-11-1942

I am of opinion the Vessel should be Classed *100 A-1. TRAWLER

"FOR GOVERNMENT SERVICE".

State whether the Vessel has been built under Special Survey Yes.

Signature J. Macleod
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Hull.

Date of issue 21/12/42

Committee's Minute

Character assigned

+100 A-1

Steam Trawler

In Government Service

Lloyd's Arch. Off. E.S.D.

+Lm 11.4.2020

Ad. Cd.

Lloyd's Register Foundation

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

The approved plans are being retained for dealing with sister vessels under construction

The following reports are forwarded herewith.

Stem frame Sld. Rpt. No 7517.
Rudder frame + rudder head " " " 7614.

This is a sister vessel to H.M. Trawler "GRAYLING" - Hull Rpt. No 51681.

An echo sounding device has been fitted.

PARTICULARS OF ELECTRIC WELDING (if employed)

Lower deck forward & cabin flat aft electrically welded at ship's sides.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book.

*100 A.I. "STEAM TRAWLER".
"FOR GOVERNMENT SERVICE".

| | | | |
|---|-----------|------------------------------|----------|
| Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test. | 1st Bower | 6.1.0 incl. pins. C.P. 4040. | 19.3.42. |
| | 2nd " | 5.0.14 " " A.E.G. 4088. | 10.4.42. |
| | 3rd " | | |

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 81.33 ft., Bridge ☒ ft., Forecastle 25.08 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. ☒ Signal Letters ☒ Extreme Breadth over Belting 25.17' Over-all Length 162.1' ☒
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 1 DK (STL).

Parts of Bottom of Vessel coated with ~~cement~~ or approved composition Fore & after peaks, E. & B. spaces, lumbers & chain lockers coated with Bituminous solution. Fresh water tank coated with Bitumen.

Particulars of composition (if fitted) and of approval ☒

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)
(Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

| 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, | | |
| Total length (if continuous) and Capacity | | | (If necessary furnish further information by sketch.) | | |

Order for Special Survey No 3309

Date 31st Decr. 1941.

Dates of Surveys held while building

1942:- May. 5. 8. 12. 15. 20. 22. 26. 29. June 3. 12. 17. 20. 24. 29. July. 2. 6. 10. 15. 21. 24. 28. 31.
August. 12. 19. 21. Sept. 2. 9. 15. 18. 22. Oct. 12. 16. 21. 26. 28. 29. 30. Nov. 2. 3. 4. 6
Nov. 7. 10. 11.

Total No. of Visits 44