

STEEL STEAMER OR MOTORSHIP

MAY 29 1940

Received at London Office

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

No. 767, No. 50672

Date of completion of report 22nd May, 1940.

Port of Hull.

Survey held at Beverley and Hull

Date First Survey 29th June 1939

Last Survey 20th April

1940.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

Steel single screw M/S/S Trawler "BIRCH"

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

Yull scantling

State Type of Erections Forecastle only.

TONNAGE under Tonnage Deck... 408.14

CLASS 100A - TRAWLER (State if with freeboard as condition of Class) *No.*

Built at Beverley.

Do. of space or spaces between Tonnage Dk. and Upper Dk. ✓

Length from fore part of stem to after part of stern most on summer L.V.L. See Sec. 3 (1a) *Centre of rudder stock*

L 150'-0"

Launched 13th Nov 1939 Yard No. 652

Total 408.14

Breadth (greatest moulded) B 27'-6"

Builders Messrs Cook, Welton & Gemmell, Ltd.

Gross Tonnage 452.20

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 15'-0"

Owners The Admiralty

Register Tonnage 143.98

1st Longitudinal Number (L x D) = ✓

Managers ✓

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

2nd Numeral L x (B + D) = ✓

Residence London.

REGISTERED DIMENSIONS.

FEET.

Length 153.85

Breadth 27.2

Depth 14.0

Framing Depth "d," at middle of length. See Sec. 3 (1d) ✓

Proportions—Depth to Length—Uppermost continuous deck to top of keel ✓

Do. Long Bridge to top of keel ✓

Draught Moulded ✓

Port of Registry ✓

If surveyed while building, afloat, or in dry dock & ON SLIPWAY. ✓

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	22 ✓		Bracket Floors, Frame		
" " from $\frac{3}{4}$ length amidships to Collision bulkhead	22 ✓		" " Reversed Frame		
" " in peaks	22 ✓		" " Vertical Struts		
FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	5 3 40 ✓		" " top Angles		
" " Extends up to	Upper deck	✓	" " bottom Angles		
Reversed Frame Amidships, Angle	3 3 38 ✓		Side Girders, No. each side and thickness		
" " Extends up to	acm floors	✓	Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	5 ✓		" " Vertical Angle to Tank side		
Frames in Uppermost Continuous 'tween Decks, Angle, $\frac{1}{2}$ or $\frac{3}{4}$			Bracket abaft $\frac{1}{4}$ len. from stem		
" " Second 'tween Decks, Angle, $\frac{1}{2}$ or $\frac{3}{4}$			" " Vertical Angle to Tank side		
" " Third " "			Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area		
" " from $\frac{1}{4}$ len. for'd. to $\frac{1}{4}$ len. from stem	5 3 46 ✓		Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
" " FORE PEAK	5 3 34 ✓		" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area		
" " in Peaks, Angle $\frac{1}{2}$ or $\frac{3}{4}$	5 3 30 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	$\frac{3}{4}$ - 5 1/4 ✓		INNER BOTTOM PLATING.		
State if Frame Joggled	No.		Breadth and thickness of Middle Line Strake		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	As approved.	✓	Thickness of remainder in Holds		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?		
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	18 x 40 ✓		Uppermost Continuous Deck, amidships	5 3 40 ✓	
Height of Brackets at side above base line at toe of frame	44 B.R. - 42 E.R. ✓		" " in way of Bridge, Angle, $\frac{1}{2}$ or $\frac{3}{4}$		
Middle Line Keelson, on Floors, Angles	5 x 3 x 40-30 ✓		Spacing	22 ✓	
" " Through Plate or Intercoastal Plate	42-38 ✓		LOWER FORWARD.		
" " Foundation Plate on Floors	✓		Second Deck, amidships, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	5 3 35 ✓	
" " Flat Plate Keel Angles	3 x 3 x 44-40 ✓		Spacing	22 ✓	
Side Keelsons, No. each side	ONE ✓		LOWER AFT.		
" " thickness of Intercoastal Plate	✓		Third Deck, amidships, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	5 3 35 ✓	
" " Angles	5 3 50 ✓		Spacing	22 ✓	
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, $\frac{1}{2}$ or $\frac{3}{4}$		
Solid Floors, thickness and spacing			Spacing		
" " Are Frame and Reversed Frame joggled?			Poop Deck, Angle, $\frac{1}{2}$ or $\frac{3}{4}$		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			Bridge Deck, Angle, $\frac{1}{2}$ or $\frac{3}{4}$		
			Spacing		
			Forecastle Deck, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	5 3 32 ✓	
			Spacing	22 ✓	

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 ✓		Stringer Plate, breadth and thickness in way of Bridge			
FORWARD			Thickness of Plating abreast Deck openings in way of Wells			
" in 'tween Decks, Size and Spacing.....	2 3/4" DIA- 44" ✓		Thickness of Plating abreast Deck openings in way of Bridge			
" " " " " " ✓			Thickness of Plating within line of openings...			
" in Holds CROSS BUNKER	2 7/8" DIA- 44" ✓		If Sheathed, material and thickness		✓	
Centre Line Bulkhead.			Third Deck.			
Stiffeners and Spacing..... (FRS 14-19) T	6 3 34 2 22" sp.		Stringer Plate, breadth and thickness.....			
Plating, thickness of	26		If Plated, state thickness.....			
STRINGERS AND DECKS.			Fourth Deck.			
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....			
Stringer Plate, breadth and thickness in Walls	6 1/2 x 32 ✓		If Plated, state thickness			
" " " " in way of Bridge	✓		Poop Deck.			
" Angle in Walls	3 3 38 ✓		Stringer Plate, breadth and thickness			
Thickness of Plating abreast Deck openings in way of Wells	32 ✓		Plating, Sheathing, material and thickness ...			
Thickness of Plating abreast Deck openings in way of Bridge	✓		Bridge Deck.			
Thickness of Plating within line of openings...	28 ✓		Stringer Plate, breadth and thickness.....			
If Sheathed, material and thickness (FRS 13-33) BORNEO W.W. 2 1/2" ✓			Plating, Sheathing, material and thickness ...			
LOWER			Forecastle Deck.			
Second Deck. PLATED THWARTSHIPS.			Stringer Plate, breadth and thickness.....	26 ✓		
Stringer Plate, breadth and thickness in Walls ...	26 ✓		Plating, Sheathing, material and thickness ...	26 ✓		
			UNDER WINDLASS	40 ✓		

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) 7 ✓

Deck next below 3

As per Rule 4.

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar		Flat plate keel. ✓		
STEM		Forging 72" x 1 1/8"	Consett Iron Co. Ltd.	
STERN FRAME	Propeller Post	Cast Steel appd. ✓	Stewarts & Lloyds Ltd.	
	Rudder	✓	✓	
Speed of Vessel		✓		
RUDDER—Type		Spade Type		
" A x D		✓		
" Diam. of head		7" x 1 1/2"		
" Mainpiece at top		9 1/2" x 1 1/2"		
" " heel ...		6" x 6"		
" how constructed		Cast steel frame with side plate		
" double or single plate		Double .32.		
" coupling, vertical or		✓		
" horizontal				

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
	BULKH'D ON FRAME	19	40-30	5 6 x 3 x 44		
	MIDSHIP BULKH'D, Upper	20	40-30	3 x 3 x 35	30"	
	"	"	32 x 3 x 38	30"		
"	" Second	"	52	42-26	6 x 3 x 42	27"
"	" Third	"	64	40-26	5 6 x 3 x 40	24-27"
"	" Holds	"	77	40-26	5 3 x 3 x 30	30" x 36"
COLLISION	" (in Hold)	"	5	40-26	5 6 x 3 x 32	24"
AFTER PEAK	"	"	72	40-26	5 3 x 3 x 40	27-30"

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth process.*
Plates:- Dorman Long & Co. Ltd. Corbett Iron Co. Ltd. South Durham Steel & I. Co. Ltd. Appleby-Frodingham S. & Co. Ltd.
Sections:- Munnings & Co. Ltd. Dorman Long & Co. Ltd. Appleby-Frodingham S. & Co. Ltd. Cargo Steel I. Co. Ltd.
 Has the Steel been tested as required by the Rules? *Yes.*

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, and specifications.
The materials & workmanship are good. ✓
The fore & after peak tanks, chain locker & trimmings tanks, fresh water tank, reserve feed tank have been tested in accordance with the rule requirements & found satisfactory. ✓
Bottom flooded in way of W.T. trunk space, magazine & port room &c., coal bunkers, engine & boiler spaces and engine room and found satisfactory. ✓
Shell hoisted and found satisfactory. ✓
Decks, casings, and deckhouses, woodlass, steering gear and arrangements have been tested and found satisfactory. ✓
The demand for Admiralty Stores and the supervision of same have been carried out by us. ✓

The amount of Entry Fee £ : ✓ :
 Fee in classification
 Special Survey Fee... £ 140: 0 : 0
 Travelling Expenses, if any £ 1 : 1 : 5

Fees applied for,
 16.5.1940
 Received by me,
 13/6/1940

(Special notations, where part of class, to be stated.)

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

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

Certificate to be sent to **Full.** Date of issue **19/6/40**

Signature **J. Macleod & J. English**
 Surveyors to Lloyd's Register of Shipping

Committee's Minute
 Character assigned ***100A - Steam Trawler
 for Government Service + Limb 4.40**

TUE. 4 JUN 1940

Wrote this

Lloyd's Register of Shipping

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 at present under construction; copies for reference are in the London Office.

The following reports are enclosed herewith:—

Pls. No. 8893 Propeller part. ✓
Pls. " 8946 Rudder head bearing. ✓
Pls. " 654 Yeller 149. Quadrant and Arrows ✓
Pls. " 791 4'0" Quadrant. ✓

PARTICULARS OF ELECTRIC WELDING (if employed)

Lower deck plating electrically welded to ship's sides, also butts of lower deck plating welded.

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

*100 A—TRAWLER.

Particulars of Drop Test of Cast Steel Anchors, viz.—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower

2nd "

3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 20.16 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 ☒ 28.16'
(Circ. 1611)

Over-all Length 164.12'
(Circ. 1703) ☒

No. and Material of Decks 1 DK STL—PART W.S.

Parts of Bottom of Vessel coated with cement or approved composition cross & side bunkers and fresh water tanks.

Particulars of composition (if fitted) and of approval Bitumastic solution in bunkers; Bitumastic solution in F.W. tank

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,	9.4"	16
Double bottom, under Engines and Boilers,			After peak tank,	9.2"	11
Double bottom, if under Engines only,			Deep tank, aft,	15	42
Double bottom, if under Boilers only,			Deep tanks forward,	11	17
Double bottom, forward,			Other tanks, if fitted, MT		
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 3190

Date 10th July 1939.

Dates of Surveys held while building

1939:—June 29. July 6. 13. 21. 28. August 3. 25. 30. Sept. 1. 4. 6. 11. 12. 15. 21. 28. 27. 27. Oct. 2. 2. 5. 10. 12. 18. 20. 23. 25. 30. 30. 31. Nov. 3. 4. 9. 13. 15. 21. 29. Dec. 11. 13. 18. 21. 1940. Jan. 1. 6. 8. 8. 10. 15. 24. 26. Jan. 30. Feb. 5. 7. 12. 21. 28. March 5. 11. 14. 20. 28. 30. April 1. 3. 5. 6. 10. April 12. 13. 14. 15. 15. 16. 17. 20.

Total No. of Visits 76