

STEEL STEAMER or MOTORSHIP.

Received at London Office

JUN 17 1940

State if Report has been sent on the Freeboard of the Vessel

No. DISCLOSED

State if Report is sent on the Machinery of the Vessel

yes.

SECTION

Date of completion of report

Port of Hull.

No. 764

No. 50725.

Survey held at Beverley and Hull.

Date First Survey

29th June 1940.

Last Survey

31st May

1940

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

H.M. STEEL SINGLE SCREW. A/S M/S TRAWLER "BLACKTHORN".

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

Hull 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.W.L. See Sec. 3 (1a)

FEET.

L 150'-0"

Launched 29th Nov. 1939. Yard No. 653.

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

Net Tonnage 143.98

1st Longitudinal Number (L x D) =

✓

Managers

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

REGISTERED DIMENSIONS. FEET.

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

✓

Residence London

Length 153.85

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

✓

Port of Registry

Breadth 27.2

Do. Long Bridge to top of keel

✓

If surveyed while building, afloat, or in dry dock

Depth 14.0

Draught Moulded

✓

During construction.

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		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, $\frac{1}{4}$ or $\frac{1}{2}$	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	aux floor		Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	5		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, $\frac{1}{4}$ or $\frac{1}{2}$			" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area		
" " Second 'tween Decks, Angle, $\frac{1}{4}$ or $\frac{1}{2}$			" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
" " Third " Collision bulkhead			" " Gussets, spacing and scantling 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		Tank Side Brackets, height above base line at toe of Frame and thickness		
" " in Peaks, Angle $\frac{1}{4}$	5 3 34		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 - 5/4		Breadth and thickness of Middle Line Strake		
State if Frame Joggled	No.		Thickness of remainder in Holds		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	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?		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, $\frac{1}{4}$ or $\frac{1}{2}$	5 3 40	
Floors, Depth and thickness at mid-line in Holds	18" x 40		" " in way of Bridge, Angle, $\frac{1}{4}$ or $\frac{1}{2}$		✓
Height of Brackets at side above base line at toe of frame	None		Spacing	22	
Middle Line Keelson, on Floors, Angles, $\frac{1}{4}$ or $\frac{1}{2}$	5 x 3 x 40-30		LOWER FORWARD Second Deck, amidships, Angle, $\frac{1}{4}$ or $\frac{1}{2}$	5 3 35	
" " Through Plate or Intercoastal Plate	42-38		Spacing	22	
" " Foundation Plate on Floors	✓		LOWER AFT Third Deck, amidships, Angle, $\frac{1}{4}$ or $\frac{1}{2}$	5 3 35	
" " Flat Plate Keel Angles	3 x 3 x 44-40		Spacing	22	
Side Keelsons, No. each side	One		Fourth Deck, amidships, Angle, $\frac{1}{4}$ or $\frac{1}{2}$		
" " thickness of Intercoastal Plate	✓		Spacing		
" " Angles	5 3 50		Poop Deck, Angle, $\frac{1}{4}$ or $\frac{1}{2}$		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing			Bridge Deck, Angle, $\frac{1}{4}$ or $\frac{1}{2}$		
" " Are Frame and Reversed Frame joggled?			Spacing		
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle, $\frac{1}{4}$ or $\frac{1}{2}$	5 3 32	
" " breadth and thickness at margin plate			Spacing	22	

PILLARS AND DECKS.									
		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.				INCHES IN SHIP.	
PILLARS, No. of Rows.		One							
in 'tween Decks, Size and Spacing		2 3/4" DIA - 4 1/4"							
" " " " "		✓							
" in CROSS BUNKER.		2 7/8" DIA - 4 1/4"							
" " " " "									
Centre Line Bulkhead.									
Stiffeners and Spacing		(Frs 14 to 19) 6 3 34							
Plating, thickness of		22" Sp. 26							
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness		6 3/4" x 32							
" " " " in way of Bridge		✓							
" Angle in Wells		3 3 38							
Thickness of Plating abreast Deck openings in way of Wells		32							
Thickness of Plating abreast Deck openings in way of Bridge		✓							
Thickness of Plating within line of openings		28							
If Sheathed, material and thickness		(Frs 13-33) 3/4" W.W. 2 1/2"							
LOWER DECK. PLATED THWARTSHIPS									
Stringer Plate, breadth and thickness		26							

SHELL PLATING.												
SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled?			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. of Rows of RIVETS.	RIVETS.		STRAIPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.			Diam. Inches.	Spacing or, to cr. Inches.		Inches.	Spacing or, to cr. Inches.	
FLAT PLATE KEEL	3 1/2	4 1/2	4 1/2	4 1/2		Double	3/4	6 ecc. 4 Riv	Two.	3/4	2 7/8	Strapped
„ DBLG. (if any)	✓	✓				✓	✓					
BOTTOM PLATING, No. of Strakes	8 66	40	40	40		Double	3/4	6 ecc. 4 Riv	Two	3/4	2 7/8	Lapped
BILGE PLATING, No. of Strakes	C 66	40	40	40		“	“	“	“	“	“	“
SIDE PLATING, No. of Strakes	D 66	40	40	40		“	“	“	“	“	“	“
UPPER DECK, Sheer-strake in Wells	E 66	40	40	36		“	“	“	“	“	“	“
UPPER DECK, Sheer-strake in Bridge	F 58	50	43	42		“	“	“	“	“	“	“
STRAKE BELOW SHEER-strake in Wells	Z											
STRAKE BELOW SHEER-strake in Bridge												
POOP SIDE PLATING												
BRIDGE SIDE PLATING												
FORECASTLE SIDE PLATING	75	28	50									

WATERTIGHT BULKHEADS.					FORGINGS and CASTINGS.																				
Total No. of W.T. BULKHEADS in Vessel—																									
Extending to Upper Deck (Sec. 3 c)					3																				
" Deck next below					3																				
As per Rule					4																				
Plating Thickness.		STIFFENERS.				Casting or Forging.				Scantlings.				Maker's Name.				Any Departure from Approved Plans to be Noted.							
		VERTICAL.		HORIZONTAL.																					
		Scantlings.	Spacing.	Scantlings.	Spacing.																				
BULK'D. ON FRAME 19		40-30	6 3/4 x 3 1/2	30					KEEL, Bar				Flat plate Keel.												
WATER BULK'D. Upper two decks		30-10	3 1/2 x 3 1/2	30					STEM				Inquiry 7 1/2 x 7/8 Crisett Iron Cold												
" " Second		52-42	26 1/2 x 3 1/2	27					STERN FRAME				Propeller Post				Cast 1/2				Stewarts & Lloyds Ltd				
" " Third		64-40	26 1/2 x 3 1/2	24 x 27					Rudder				Keel				approved.								
" " Hold		77-40	26 1/2 x 3 1/2	30 x 36					Speed of Vessel								✓								
COLLISION		(in Hold)	5 40-26	6 x 3 x 3 1/2	24					RUDDER—Type				Spade type.											
AFTER PEAK			72 40-26	5 x 3 x 4 1/2	27 x 30					" A x D				" Diam. of head				Cast 7 x 1 1/2				Stewarts			
										" Mainpiece at top				Steel				9 1/2 x 1 1/2				Stewarts			
										" heel				" "				6 x 6				Stewarts			
										" how constructed				Cast steel frame with side plates											
										" double or single plate				32											
										" coupling, vertical or horizontal				✓											
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture).					Open hearth process																				
PLATES:— Smith Durham & Co. Ltd. Dorman Long & Co. Ltd. Crisett Iron Co. Ltd.																									
SECTIONS:— Cargo Keel Iron Co. Ltd. Crisett Iron Co. Ltd. Appley & Loughborough Steel Co. Ltd. Spinningmire Iron Co. Ltd.																									
Has the Steel been tested as required by the Rules?					Yes.																				

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 have been retained for dealing with sister-vessels at present under construction.

The following reports are enclosed herewith:-

Rudder frame & rudder head bearing. Lbs. No. 8930.
Propeller post. Lbs. No. 8930.
1-4'0" quadrant. Sld. No. 853
1-4'0" tiller + 1 4'9" Quadrant. Sld. No. 663.

PARTICULARS OF ELECTRIC WELDING (if employed)

Lower deck plating electrically welded to ship's sides. Butts of lower deck plating also electrically welded. Electrodes employed are as approved.

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

+ 100 A- 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

2nd "

3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 26.8 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 27' 8 1/2" (Circ. 1611) Over-all Length 164' 1 1/2" (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 + 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,		
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. 3190

Date 10th July 1939.

Dates of Surveys held while building

1939:- June 29. July 6. 13. 21-28. Aug. 3. 25. 30. Sept. 1. 1. 4. 6. 11. 12. 15. 16. 21
Sept. 25. 27. 27. Oct. 2. 2. 5. 10. 12. 18. 20. 23. 25. 30. 30. Nov. 3. 9. 13. 15
Nov. 16. 21. 21. 23. 27. 28. 29. Dec. 11. 13. 18. 21. 28. 1940:- Jan. 4. 8. 10
Jan. 17. 17. 31. Feb. 13. 16. 21. 22. 28. Mar. 5. 11. 28. April 3. 10. 16. 22.
May. 2. 4. 9. 15. 20. 21. 22. 23. 25. 27. 28. 31.

Total No. of Visits 77