

STEEL STEAMER OR MOTORSHIP.

TRAWLER.

25 OCT 1946

Received at London Office

State if Report has been sent on the Freeboard of the Vessel. NOState if Report is sent on the Machinery of the Vessel. YESDate of completion of report 18th October, 1946 Port of HULLNo. 53768Survey held at Beverley & Hull Date First Survey 3rd January Last Survey 3rd October 1946On the (State if Machinery fitted Aft and if Single, Double or Triple Screw) STEEL MOTOR TRAWLER "THORINA"State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FULL SCANTLINGState Type of Erections FORECASTLE & R.Q. DECKTONNAGE under Tonnage Deck ... 269.03CLASS 100A1 Motor Trawler State if with freeboard as condition of Class NOBuilt at BEVERLEYDo. of space or spaces between Tonnage Dk. and Upper Dk. ✓Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 133.50Launched 19th March, 1946 Yard No. 766Total 269.03Breadth (greatest moulded) B 25.50Builders COOK WELTON & GEMMELL LTDGross Tonnage 338.51Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 13.50Owners THORNTON TRAWLERS LTDRegister Tonnage 116.231st Longitudinal Number (L x D) 1802.25Managers ✓
(Where necessary to be entered in Reg. Book)2nd Numeral L x (B + D) 5206.50Residence HULLFraming Depth "d," at middle of length. See Sec. 3 (1d) 12.08Port of Registry HULLProportions—Depth to Length—Uppermost continuous deck to top of keel 9.88

If surveyed while building, afloat, or in dry dock

Do. Long Bridge to top of keel ✓Draught Moulded ✓13 BUILDING & AFLOAT

REGISTERED DIMENSIONS.

FEET

Length 136.8Breadth 25.65Depth 12.65

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.....	21-202-20	✓	Bracket Floors, Frame	5 3 42	✓
" " from 1/3 length amidships to Collision bulkhead.....	18	✓	" " Reversed Frame.....	3 3 38	✓
" " in peaks	18	✓	" " Vertical Struts	NONE	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	44 x 38	✓
Frame Amidships, Angle, <u>✓</u>	5 3 38	✓	" " top Angles <u>DOUBLE</u>	3 3 38	✓
" " Extends up to.....	DECKS	✓	" " bottom Angles.....	NONE	✓
Reversed Frame Amidships, Angle	3 3 36	✓	Side Girders, No. each side and thickness.....	ONE 38	✓
" " Extends up to.....	ACROSS 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, [or]	— — —		" " Bracket abaft 1/4 len. from stem	— — —	
" " Second 'tween Decks, Angle, [or]	— — —		" " Vertical Angle to Tank side	— — —	
" " Third	— — —		" " Bracket from forward 1/4 len. from stem to Panting Area	— — —	
" " from 1/2 len. for'd. to 15% len. from Stem	5 3 38	✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem.....	— — —	
" " in Peaks, Angle <u>✓</u>	5 3 38	✓	" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	— — —	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 5/4	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	— — —	
State if Frame Joggled.....	YES	✓	INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES	✓	Breadth and thickness of Middle Line Strake.....	78 x 38	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	YES	✓	Thickness of remainder in Holds	38	✓
SINGLE BOTTOM.			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?	— — —	
Floors, Depth and thickness at mid-line in Holds.....	17 x 36	✓	BEAMS.		
Height of Brackets at side above base line at toe of frame.....	— — —		Uppermost Continuous Deck, amidships in	6 3 44	✓
Middle Line Keelson, on Floors, Angle, <u>✓</u>	12 x 3 1/2 x 3 1/2 x 30-45 LBS	✓	" " Wells, Angle, <u>✓</u>	— — —	
" " Through Plate or Inter-costal Plate	— — —		" " in way of Bridge, Angle, <u>✓</u>	— — —	
" " Foundation Plate on Floors	— — —		" " Spacing	ON ALTERNATE FRAMES	✓
" " Flat Plate Keel Angles	— — —		R.Q. Second Deck, amidships, Angle, <u>✓</u>	6 3 44	✓
Side Keelsons, No. each side.....	ONE	✓	" " Spacing	ON ALTERNATE FRAMES	✓
" " thickness of Inter-costal Plate.....	— — —		" " IN WAY OF Q.F. BUNKER 5 3 38	— — —	
" " Angle <u>✓</u>	5 4 42	✓	" " ON EVERY FRAME	— — —	
DOUBLE BOTTOM. IN WAY OF R.FEED TANK FRAMES 29-34			LOWER FORWARD Third Deck, amidships, Angle, <u>✓</u>	5 3 30	✓
Solid Floors, thickness and spacing	38 20/2	✓	" " Spacing	ON ALTERNATE FRAMES	✓
" " Are Frame and Reversed Frame joggled?	YES	✓	LOWER AFT Fourth Deck, amidships, Angle, <u>✓</u>	4 3 30	✓
Bracket Floors, breadth and thickness at middle line	NONE	✓	" " Spacing	ON EVERY FRAME	✓
" " breadth and thickness at margin plate.....	38	✓	Poop Deck, Angle, [or]	— — —	
			" " Spacing	— — —	
			Bridge Deck, Angle, [or]	— — —	
			" " Spacing	— — —	
			Forecastle Deck, Angle, <u>✓</u>	6 3 44	✓
			" " Spacing	ON ALTERNATE FRAMES	✓

PILLARS AND DECKS.

PILLARS, No. of Rows			INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
in 'tween Decks, Size and Spacing					Stringer Plate, breadth and thickness in way of Bridge			
in Holds					Thickness of Plating abreast Deck openings in way of Wells			.30 ✓
in Holds			2-3" DIAM	✓	Thickness of Plating abreast Deck openings in way of Bridge			
in Holds					Thickness of Plating within line of openings			.30 ✓
in Holds					If Sheathed, material and thickness			5 x 2 1/2 DOUGLAS FIR ✓
Two FLA Bulkheads in O.F. BUNKER					Third Deck.			
Stiffeners and Spacing			6 x 3 x 3 1/4	20 1/2 x 220	Stringer Plate, breadth and thickness			
Plating, thickness of			.30	✓	If Plated, state thickness			
STRINGERS AND DECKS.					Fourth Deck.			
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness			
Stringer Plate, breadth and thickness in Wells			.38	.36	If Plated, state thickness			
in way of Bridge					Poop Deck.			
Angle in Wells			3 1/2	3	Stringer Plate, breadth and thickness			
Thickness of Plating abreast Deck openings in way of Wells			.36	✓	Plating, Sheathing, material and thickness			
Thickness of Plating abreast Deck openings in way of Bridge					Bridge Deck.			
Thickness of Plating within line of openings			.36	✓	Stringer Plate, breadth and thickness			
If Sheathed, material and thickness			5 x 3 DOUGLAS FIR	✓	Plating, Sheathing, material and thickness			
Second Deck.					Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells			.38	.31	Stringer Plate, breadth and thickness			.26 ✓
					Plating, Sheathing, material and thickness			.26 ✓ .38 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 joggled? <i>No</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.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
Flat Plate Keel.....	—	—	—	—									
GARBOARD STRAKE Dble. (if any)	54 ✓	44 ✓	44 ✓	44 ✓		DOUBLE	3/4	5/8 RIVETS DOUBLE	3/4	2 5/8	STRAPPED		
Bottom Plating, No. of Strakes	A 66 ✓	38 ✓	38 ✓	38 ✓		"	"	"	"	"	LAPPED		
Bilge Plating, No. of Strakes	B 58 ✓	44 ✓	38 ✓	38 ✓		"	"	"	"	"	"		
Side Plating, No. of Strakes 2	C 49 1/2 ✓	38 ✓	38 ✓	38 ✓	50 A BREAST GALLONS ✓	"	"	"	"	"	"		
Upper Deck, Sheer-strake in Wells.....	D 46 ✓	38 ✓	38 ✓	38 ✓		"	"	"	"	"	STRAPPED		
Upper Deck, Sheer-strake in Bridge ...	E 42 ✓	50 ✓	40 ✓	40 ✓		"	"	"	"	"			
Strake below Sheer-strake in Wells.....	—	—	—	—									
Strake below Sheer-strake in Bridge ...	—	—	—	—									
Poop Side Plating.....	—	—	—	—									
Bridge Side Plating.....	—	—	—	—									
Forecastle Side Plating			31 ✓			SINGLE	5/8	5 RIVETS EX. F. RIVETS DOUBLE	5/8	2 1/4	STRAPPED		

WATERTIGHT BULKHEADS.

WATERHEADS

Total No. of ^{Q.O.T.} W.T. BULKHEADS in Vessel— (6) ✓ For record 5 BH ✓

Extending to Upper ^{W.T.} Decks (Sec. 3 c) ~~THREE (W.T.) & THREE (O.T.)~~

„ 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	
STERN FRAME { Propeller Post	{ Forging	6" x 3 3/4"	T.S. FORTY	
{ Rudder	{ "	"		
Speed of Vessel		10/12 KNOTS		
RUDDER—Type		ORDINARY		
A x D		94.91		
Diam. of head		5 3/4"		
Mainpiece at top pintle		6"	T.S. FORTY	
" heel		4 1/4"		
how constructed		DOUBLE PLATED		
double or single plate		30		
coupling, vertical or		HORIZONTAL		
horizontal				

STIFFENERS.

		Plating Thickness.	VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper	O.T. No 1 Fr	.30	4 x 3 x .32 a.	24	COUNTER TO DECK	
	W.T. - 7"	.38	5 x 3 x .36 a.		KEEL TO LOWER DECK	
	Second W.T. No 17 Fr	.26	3 1/2 x 3 x .56 a.	30	LOWER TO RQ DECK	
	Third O.T. No 35 Fr	.32	6 x 3 x .40	24	KEEL TO RQ DECK	
COLLISION	O.T. - 43 Fr	.32	5 x 3 x .40 a.	24 x 27	"	"
	Hold O.T. - 44	.32	6 x 3 x .34 a.	30	"	" MAIN DK
	W.T. .65	.30	4 x 3 x .34 a.	12	"	"
	(in Hold) W.T. .76	.30				
AFTER PEAK			2 x 12 w/ plan			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH
PLATES:- APPLEYBY-FRODINGHAM S. CO LTD. AND DORMAN LONG CO LTD.
SECTIONS:- " " " " CONSETT & CO LTD CARGO FLEET & CO LTD AND SKINNING ROVE S. 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.)

A 'Soft-nosed' plate stern has been fitted above 16' 9" draft mark; plate 30" thick.
An Echo-Sounding device has been fitted.

FORGING REPORTS ATTACHED.

STERN FRAME: No 6507; SUNDERLAND.

RUDDER. No 6600; - 11 -

PARTICULARS OF ELECTRIC WELDING (if employed)

Lower deck plating (forward & aft) welded to shell plating and stiffening to plate stern.

In way of O.F. bunkers: - The seams @ butts of E (Chumstrake) D.C. & 13 strakes are welded, frames upper turn of bilge to deck welded to shell plating.

Approved electrodes employed on this work.

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

✠ 100A1 "MOTOR TRAWLER"

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

1st Bower 5-0-22 A.E.G. 7686: 8/11/45.
2nd " 4-1-4 " 8112: 13/12/45.
3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 74' 42" ft., Bridge ☒ ft., Forecastle 27' 25" ft.

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

Official No. 181277 Signal Letters ☒ Extreme Breadth over ^{BEADING} Belting 25' 83" Over-all Length 149' 0" ☒
(Circ. 1611) (Circ. 1703)

No. and Material of Decks ONE WOOD DECK WITH STEEL STRINGERS & TIE PLATES.

Parts of Bottom of Vessel coated with cement or approved composition. SKIN CEMENT THROUGHOUT SHIP (EXCEPT IN OIL FUEL BUNKER.) FROM KEEL TO LOWER TURN OF BILGE, SOLID CEMENT TO TOP OF FLOORS IN PEAKS.

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, RESERVE FEED TANK FRAMES 29-34	8.54	11	Other tanks, if fitted,		
Total length (if continuous) and Capacity.			(If necessary furnish further information by sketch.)		

Order for Special Survey No. 34495

Date 28.3.45

Dates of Surveys held while building

1946.
Jan 3. 9. 30. Feb 18. 22. Mar. 4. 13. 16. 18. 19. 22. 25. 28. April 3. 9. 26. Sept. 24. 30. Oct. 3.

Total No. of Visits 19

Lloyd's Register
Foundation