

STEEL STEAMER OR MOTORSHIP.

18 NOV 1944

Received at London Office

State if Report has been sent on the Freeboard of the Vessel Yes
State if Report is sent on the Machinery of the Vessel Yes
Date of completion of report 17th November 1944 Port of Sunderland No. 33531
Survey held at Sunderland Date First Survey 10 April Last Survey 10th November 1944
On the SS MIDDLESEX TRADER Single Screw
State Type Intermediate between CSS & FS State Type of Erections
TONNAGE under Tonnage Deck 6792.84 CLASS +100A.1 State if with freeboard as condition of Class YES
Do. of space or spaces between Tonnage Dk. and Upper Dk. ✓
Total ✓
Gross Tonnage 7240.97
Register Tonnage 4291.18
Built at Sunderland
Launched 28.8.42 Yard No. 621
Builders J.L. Thompson & Sons Ltd.
Owners Grades Navigation Co Ltd.
Managers ✓ (Where necessary to be entered in Reg. Book)
Residence ✓
Port of Registry London
If surveyed while building, afloat, or in dry dock YES

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.....	30		Bracket Floors, Frame	✓
" " from $\frac{1}{2}$ length amidships to Collision bulkhead.....	27		" " Reversed Frame.....	✓
" " in peaks	24		" " Vertical Struts	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	43 1/2 x 54
Frame Amidships, Angle, <u>✓</u> or <u>✓</u>	12 x 4 x 4 x 16	1/2" per plan	" " top Angles	3 1/2 x 3 1/2 x 7/16
" " Extends up to.....	2nd Deck		" " bottom Angles.....	4 x 4 x 1/2 continuous
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness.....	One 6 x 3 1/2 x 7/16 L top bottom
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	T. Top plating carried out to shell 50.
Depth of Framing Girder.....	12		" " Vertical Angle to Tank	6 x 6 x 7/16 T.
Frames in Uppermost Continuous 'tween Decks, Angle, <u>✓</u> or <u>✓</u>	6 x 3 1/2 x 32		" " Bracket abaft 1/4 len. from stem	Omitted in No 1 Hold
" " Second 'tween Decks, Angle, <u>✓</u> or <u>✓</u>	✓		" " Vertical Angle to Tank	15" frames scarphed to floors.
" " Third	✓		" " Bracket from forward 1/4 len. from stem to Panting Area	✓
" " from 1/2 len. for'd. to 15% len. from Stem	15 x 4 x 4 x 1/2	see Thrustdole	" " Gussets, spacing and scantling abaft 1/4 len. from stem.....	✓
" " in Peaks, Angle or <u>✓</u>	8 x 3 1/2 x 35		" " 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	7/8 5 1/4	see plan	Tank Side Brackets, height above base line at toe of Frame and thickness	10 1/4 x 4 x 45
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.....	59 1/2 x 50
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	44
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?	YES
Floors, Depth and thickness at mid-line in Holds.....	✓		BEAMS.	
Height of Brackets at side above base line at toe of frame.....	✓		Uppermost Continuous Deck, amidships	8 x 3 1/2 x 7/16
Middle Line Keelson, on Floors, Angles, <u>✓</u> or <u>✓</u>	✓		" " Walls, Angle, <u>✓</u> or <u>✓</u>	✓
" " Through Plate or Inter-costal Plate	✓		" " in way of Bridge, Angle, <u>✓</u> or <u>✓</u>	✓
" " Foundation Plate on Floors	✓		" " Spacing	every
" " Flat Plate Keel Angles	✓		Second Deck, amidships, Angle, <u>✓</u> or <u>✓</u>	12 x 4 x 4 x 7/16
Side Keelsons, No. each side.....	✓		" " Spacing	every
" " thickness of Inter-costal Plate.....	✓		Third Deck, amidships, Angle, <u>✓</u> or <u>✓</u>	✓
" " Angles	✓		" " Spacing.....	✓
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, <u>✓</u> or <u>✓</u>	✓
Solid Floors, thickness and spacing	36 every		" " Spacing.....	✓
" " Are Frame and Reversed Frame joggled?	YES		Poop Deck, Angle, <u>✓</u> or <u>✓</u>	✓
Bracket Floors, breadth and thickness at middle line	✓		" " Spacing.....	✓
" " breadth and thickness at margin plate.....	✓		Bridge Deck, Angle, <u>✓</u> or <u>✓</u>	✓
			" " Spacing.....	✓
			Forecastle Deck, Angle, <u>✓</u> or <u>✓</u>	✓
			" " 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	✓	Stringer Plate, breadth and thickness in way of Bridge	✓	
„ in 'tween Decks, Size and Spacing	6x6x5/8 80A	✓	Thickness of Plating abreast Deck openings in way of Wells	35	✓
„ „ „ „ „ „	✓		Thickness of Plating abreast Deck openings in way of Bridge	✓	
„ in Holds „ „ „	✓		Thickness of Plating within line of openings	34	✓
„ „ „ „ „ „	✓		If Sheathed, material and thickness	✓	
Centre Line Bulkhead, in Holds.	12x3 1/2 x 45L	✓	Third Deck.		
Stiffeners and Spacing	6 5/8	✓	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	62 1/2 x 64	✓	If Plated, state thickness	✓	
„ „ „ „ in way of Bridge	✓		Poop Deck.		
„ Angle in Wells	6x6x5/8	✓	Stringer Plate, breadth and thickness	✓	
Thickness of Plating abreast Deck openings in way of Wells	55	✓	Plating, Sheathing, material and thickness	✓	
Thickness of Plating abreast Deck openings in way of Bridge	✓		Bridge Deck.		
Thickness of Plating within line of openings	40	✓	Stringer Plate, breadth and thickness	✓	
If Sheathed, material and thickness	✓		Plating, Sheathing, material and thickness	✓	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells	49 1/2 x 43	✓	Stringer Plate, breadth and thickness	✓	
			Plating, Sheathing, material and thickness	✓	

SHELL PLATING.

SCANTLINGS.						RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged ?.....	No.	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.....	52	78	68	68	-	D	7/8	3 1/3	WELDED.	-				
„ Dblg. (if any)	B.	.65	.65	.50	-									
Bottom Plating, No. of Strakes B, C.....	D	.60	.65	.50	-	D	7/8	3 1/3	4	7/8	3 1/2	L		
Bilge Plating, No. of Strakes E.....		.60	.50	.50	-	D	7/8	3 1/3	3	7/8	3 1/8	L		
Side Plating, No. of Strakes F, G, H.....		.60	.56	.50	-	D	7/8	3 1/3	3	7/8	3 1/8	L		
Upper Deck, Sheer- strake in Wells.....	87	.70	.45	.45	-	D	7/8	3 1/3	4	1	4	L		
Upper Deck, Sheer- strake in Bridge ...		✓												
Strake below Sheer- strake in Wells.....	80	.60	.45	.45	-	D	7/8	3 1/3	3	7/8	3 1/8	L		
Strake below Sheer- strake in Bridge ...														
Poop Side Plating.....														
Bridge Side Plating.....														
Forecastle Side Plating														

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	9
„ Deck next below	✓
As per Rule	7

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				
STEM	ROLLED	10x2 1/2		
STERN FRAME { Propeller Post				
{ Rudder „	CAST	12x14 1/4	working plan	
Speed of Vessel				
RUDDER—Type				
„ A x D		282.2		
„ Diam. of head		9 1/2		
„ Mainpiece at top pintle		12		
„ „ heel		9 1/4		
„ how constructed		Fabricated as per plan		
„ double or single plate coupling, vertical or horizontal		62		

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	Nº 86	26	6x3 1/2 x 3/8	28 1/2	30
„ „ Second „	✓				
„ „ Third „	✓				
„ „ Holds	39	26	12x3 1/2 x 45L	28 1/2	30
COLLISION „ (in Hold)	53	33	7x3 x 3/8 L	24	358 beam
AFTER PEAK „ „	49	30	7x3 x 3/8 L	24	58 beam

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
	Dorman Long, Cargo Fleet, Consett, South Durham, Appleby Ford.
	Shinning rove.
	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.)

SISTER VESSEL.

SS. THISTLEDALE SLD. RPT. N° 33503.

PARTICULARS OF ELECTRIC WELDING (if employed)

Butts of keel & centre girders welded, 2nd deck stringer plating welded to shell, tank top plating welded to shell, seams of deep tank bulkheads welded, transverse deck pillars welded to deck, & bulkhead stiffeners welded to tank top, transverse bulkhead stiffeners, brackets welded to tank top, small hatch & ventilator coamings welded to deck.

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

Keel & centre girder butts electrically welded.
D.F. ; E.S.D.

Cargo battens not fitted.
5 structural M.T. B.H. in main deck.

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

including pin

1st Bower

43

3

21

J.H.J.

5103

13-8-42

2nd

,

44

3

14

J.H.J.

5119

19-8-42

3rd

,

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop

ft., R.Q.D. ft., Bridge ft., Forecastle ft.

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

Official No. 168343

Signal Letters

Extreme Breadth over Belting

Over-all Length

441'-5"

No. and Material of Decks

2 Steel decks

Parts of Bottom of Vessel coated with cement or approved composition

N^{os} 1, 2, 4, 6, 7 D.B. tanks, fore & after peaks cemented.

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft,	117.5	352	Fore peak tank,	23	152
Double bottom, under Engines and Boilers,			After peak tank,	24	198
Double bottom, if under Engines only,	25.0	117	Deep tank, aft,	20	740
Double bottom, if under Boilers only,	20.0		Deep tank, forward,		
Double bottom, forward,	188.25	748	Other tanks, if fitted,		
Total length (if continuous) and Capacity	350.75	1217	(If necessary furnish further information by sketch.)		

Order for Special Survey No.

Date 6.2.42

Dates of Surveys held while building

1942. Apr. 10, 13, 22, 23, May 6, 13, 14, 15, 18, 19, 21, 26, 27, 29, June 3, 4, 5, 8, 10, 16, 17, 22, 23, 24, 25, 30, July 1, 8, 9, 12, 13, 14, 15, 16, 30, Aug. 7, 10, 11, 12, 13, 14, 17, 18, 19, 20, 23, 24, 25, 26, 27, 28, 29, Oct. 9, 12, 15, 16, 21, 23, 28, 29, Nov. 2, 5, 6, 9, 12

Total No. of Visits

65