

STEEL STEAMER or MOTORSHIP.

Received at London Office

DEC 14 1939

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

11th December 1939. Port of West Hartlepool.

No. 17991.

Survey held at

West Hartlepool

Date First Survey

17th April, 1939 Last Survey6th December, 1939.

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

"ELMDENE" Mch amidships

Machinery aft.

Single Screw.

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

Complete Superstructure with Tonnage openings

State Type of Erections

Forecastle on top 7 C.S.S.

TONNAGE under Tonnage Deck...

4206.11

CLASS

+ 100 A.1.

State if with freeboard as condition of Class

Yes.

Built at

West Hartlepool

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)

L 406'-0"

Launched

14/10/29

Yard No. 1095

Total

Breadth (greatest moulded)

B 56'-0"

Builders

Wm Gray & Co Ltd.

Gross Tonnage

4853.20

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

D 36'-4 1/2"

Owners

Elmdene Shipping Co Ltd.

Register Tonnage

2875.07

1st Longitudinal Number (L x D) = 14567

Managers

Dene Shipping Co. Ltd

2nd Numeral L x (B + D) = 37303

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

Residence

REGISTERED DIMENSIONS.

FEET.

Length

416.0

Breadth

56.1

Depth

23.9

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

24.34

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

11.16

Port of Registry

London

If surveyed while building, afloat, or in dry dock

Do. Long Bridge to top of keel

24'-10"

Building, afloat and in drydock.

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	6 3 1/2 34 ✓	
" " from 2/3 length amidships to Collision bulkhead	27" ✓		" " Reversed Frame	6 3 32 ✓	
" " in peaks	24" ✓		" " Vertical Struts	6 3 32 and ✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	42 1/2 x 53 ✓	
Frame Amidships, Angle, [or]	12 x 4 x 4 x 45 to second deck and to shell deck at hatch end beams		" " top Angles	double 3 1/2 52 47 ✓	
" " Extends up to	20 8		" " bottom Angles	4 4 53 ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	1 - 37 ✓	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	39 x 53 ✓	
Depth of Framing Girder	12" ✓		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 6 43 ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	6 3 1/2 32 ✓ and 8 3 1/2 40 at transverse		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	6 6 43 ✓	
" " Second 'tween Decks, Angle, [or]	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	21 x 20 x 41 in way of Panting area ✓	
" " Third " " " "	✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	28 x 24 in way of oil fuel in way of Panting area ✓	
" " from 1/2 len. for'd. to 15% len. from Stem	12 x 4 x 4 x 48 ✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	32 x 41 continuous in way of Panting area ✓	
" " in Peaks, Angle or [	8 3 1/2 35 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	68 1/2 x 44 ✓	.41
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 - 5/8 2x4 ✓ and 7/8 - 6/8 bottom		INNER BOTTOM PLATING.		
State if Frame Joggled	Yes ✓		Breadth and thickness of Middle Line Strake	10 x 49 ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes ✓		Thickness of remainder in Holds	43 ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes ✓		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 ✓	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓		Uppermost Continuous Deck, amidships in Wells, Angle, [or]	Long ✓	
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, [or]	Beams ✓	
Middle Line Keelson, on Floors, Angles, [or]	✓		Spacing	12 3 1/2 45 ✓	
" " Through Plate or Intercostal Plate	✓		Second Deck, amidships, Angle, [or]	Half 8 3 1/2 48 ✓	
" " Foundation Plate on Floors	✓		Spacing	30" ✓	
" " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, [or]	✓	
Side Keelsons, No. each side	✓		Spacing	✓	
" " thickness of Intercostal Plate	✓		Fourth Deck, amidships, Angle, [or]	✓	
" " Angles	✓		Spacing	✓	
DOUBLE BOTTOM.			Poop Deck, Angle, [or]	✓	
Solid Floors, thickness and spacing	41 - 60" ✓		Spacing	✓	
" " Are Frame and Reversed Frame joggled?	Yes ✓		Bridge Deck, Angle, [or]	✓	
Bracket Floors, breadth and thickness at middle line	32" x 41 ✓		Spacing	✓	
" " breadth and thickness at margin plate	32" x 41 ✓		Forecastle Deck, Angle, [or]	✓	
			Spacing	9 3 1/2 38 6 ✓	

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.....	✓		Stringer Plate, breadth and thickness in way of Bridge	✓	
" in 'tween Decks, Size and Spacing.....	✓		Thickness of Plating abreast Deck openings in way of Wells .....	.36 ✓	
" " " " " "	✓		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	not sheathed ✓	
Centre Line Bulkhead,	11" to 7" B A stiff ✓		Third Deck.		
Stiffeners and Spacing.....	60" apart ✓		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of.....	5" angle stiff in twin dhs .30 in hold & .26 in turn th ✓		If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	28-8284 ✓	
Stringer Plate, breadth and thickness in Wells	77 x .56 ✓ .51 ✓		If Plated, state thickness	40-2282 ✓	
" " " " in way of Bridge	✓		Poop Deck.		
" Angle in Wells	6 6 .51 ✓ .47 ✓		Stringer Plate, breadth and thickness	✓	
Thickness of Plating abreast Deck openings) in way of Wells .....	.52 ✓ .47 inside ✓ Saloon house ✓		Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings) in way of Bridge .....	.41 ✓ .37 ✓		Bridge Deck.		
Thickness of Plating within line of openings...	.37 inside ✓ Saloon house ✓		Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness	✓		Plating, Sheathing, material and thickness ...	P-32 ✓	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	77½ x .39 ✓		Stringer Plate, breadth and thickness.....	35" x .41 ✓ .36 ✓	
			Plating, Sheathing, material and thickness ...	.39 inch under ✓ 45 inches under ✓ .34 ✓	

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.		STRAPPED OR LAPPED.	
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.			Diam. Inches.	Spacing cr. to cr. Inches.		Diam. Inches.	Spacing cr. to cr. Inches.		
FLAT PLATE KEEL	5 1/2	.77	.67	.67		double	7/8	3 1/2	4	1	4	lapped	
„ DBLG. (if any)	-												
BOTTOM PLATING, No. of Strakes .....		.58	.49	.49		double	7/8	3 1/2	3	7/8	3 1/8	lapped
BILGE PLATING, No. of Strakes .....		.58	.49	.49		„	7/8	3 1/2	3	7/8	3 1/8	„
SIDE PLATING, No. of Strakes .....		.58	.46	.46		„	7/8	3 1/2	3	7/8	3 1/8	„
UPPER DECK, Sheer- strake in Wells	76 1/2	.65	.46	.46		✓	✓	✓	4	7/8	3 1/2	„	
UPPER DECK, Sheer- strake in Bridge ...		✓				✓	✓	✓	✓	✓	✓	✓	
STRAKE BELOW Sheer- strake in Wells	see plan	.62	.46	.46		double	7/8	3 1/2	4	7/8	3 1/2	lapped	
STRAKE BELOW Sheer- strake in Bridge ...		✓				✓	✓	✓	✓	✓	✓	✓	
POOP SIDE PLATING		✓				✓	✓	✓	✓	✓	✓	✓	
BRIDGE SIDE PLATING ...		✓				✓	✓	✓	✓	✓	✓	✓	
FOREC'TLE SIDE PLATING			.42			Single	3/4	3	Single	3/4	2 5/8	lapped	

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)	1
Deck next below	6
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				
STERN FRAME {	Propeller Post	Iron Forging	10 1/2 x 7 1/2	Contract Machine Eng works.
{	Rudder	" " "	10 1/2 x 7 1/2	" "
Speed of Vessel	12 knots	✓		
RUDDER—Type	17 Arms	✓		
" A x D	50 x 5	✓		
" Diam. of head	Iron Forging	✓	10 1/2"	C.M.E.W.
" Mainpiece at top pintle	Iron	✓	10 1/2"	
" " heel	Forging	✓	8"	
" how constructed	arms	✓	Keyed to mainpiece	
" double or single plate		✓	double at Middle	Single Top
" coupling, vertical or horizontal	Horizontal	✓		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *open South*
South Durham S. & I. Co. Dorman Long & Co. Anglo Saxon Iron Co. Ltd.
Sheffield Iron Co. Ltd.
Has the Steel been tested as required by the Rules? *Yes.*

"ELMDENE" GRAY'S 1992

PARTICULARS OF LONGITUDINAL FRAMING.

RPT. No. 17991

FRAMING.	AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.				
	In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames. Diam. Spang. Ins. Ins.	Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.		
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.			Number.	Diameter. Inches.	
Framing of L, L or C																	
Frames in Bridge 'tween Decks ...																	
Frames from Uppermost Continuous Deck No. 1																	
" 2																	
" 3																	
" 4																	
" 5																	
" 6																	
" 7																	
" 8																	
" 9																	
" 10																	
" 11																	
" 12																	
" 13																	
" 14																	
" 15																	
" 16																	
Spacing of Longitudinal Frames																	
Amidships																	
At Ends																	
Double Bottoms L, L or C																	
Tank Top Longitudinals																	
Bottom "																	
Spacing of Longitudinals																	
Amidships																	
At Ends...																	
Transverses.																	
In Bridge 'tween Decks																	
Depth and Thickness																	
Face Angles																	
Lugs to Shell*																	
In Upper 'tween Decks.																	
Depth and Thickness																	
Face Angles																	
Lugs to Shell*																	
In Hold.																	
Depth and Thickness																	
Face Angles																	
Lugs to Shell*																	
Brackets																	
Spacing of Transverse Frames																	
* State if joggled of liners.																	
Longitudinal Beams of																	
Bridge Deck ...																	
Upper "																	
Second "																	
Third "																	

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

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 (14 in number) and Jerning reports are attached.

PARTICULARS OF ELECTRIC WELDING (if employed)

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

Cruiser stern, Long framing at shelter deck, Fitted for oil fuel F.P. above 150°F.
D.F. ESD. Lloyd A. CP.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	2nd	3rd	Weight, lbs.	Surveyor Initials	No. of Certificate	Date of Test
				43-3-3	JA.	2074	12-7-39
				44-0-0	JA.	2048	10-7-39
				38-1-21	JA.	2031	4-7-39

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 42 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 164341 Signal Letters Extreme Breadth over Belting Over-all Length 431.5
No. and Material of Decks 1 deck + shelter deck.
Parts of Bottom of Vessel coated with cement or approved composition Double bottom tanks, peak tanks + bulge 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,	130'-0"	353	Fore peak tank,	20'-4"	122
Double bottom, under Engines and Boilers,			After peak tank,	20'-0"	174
Double bottom, if under Engines only, + dup tank	55'-0"	361	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, (WATER BALLAST TANK)	27'-6"	1060
Double bottom, forward,	173'-3"	615	Other tanks, if fitted,		
Total length (if continuous) and Capacity	358'-3"	1329	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 2412

Date 15/6/39

Dates of Surveys held while building

1939. Apr 17. 20. 26. May 1. 4. 8. 12. 17. 22. 24. June 5. 7. 12. 14. 21. 30. July 3. 6. 10. 11. 15. 18. 25. 27. Aug 2. 4. 22. 28. 28. 31. Sept 4. 5. 6. 7. 13. 18. 20. 26. 28. 29. Oct 2. 5. 9. 10. 13. 14. 17. 18. 19. 30. Nov 6. 10. 15. 20. 21. 22. 30. Dec 5. 6.

Lloyd's Register Foundation

Total No. of Visits 59.