

STEEL STEAMER OR MOTORSHIP.

Received at London Office

9 OCT 1946

WRECK
SECTION

No. 1011

No. 18781

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

4th October 1946

Port of

West Hartlepool

Survey held at

West Hartlepool

Date First Survey

8-10-45

Last Survey

27-9

1946

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

Single Screw

"MALMO"

Machinery amidships

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

Complete Superstructure with tonnage opening

State Type of Erections

TONNAGE under Tonnage Deck ...

1226.92

CLASS +100A.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 post on summer L.W.L. See Sec. 3 (1a)

L 280.0

Launched 31st May 1946 Yard No. 1191.

Breadth (greatest moulded)

B 42.0

Builders William Gray & Co. Ltd.

Total

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

D 25.25

Owners Messrs Ellerman's Wilson Line Ltd.

Gross Tonnage

1778.96

Managers

(Where necessary to be entered in Reg. Book)

REGISTERED DIMENSIONS.

FEET

Length

283.85

Breadth

42.20

Depth

15.55

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

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

11.09

Do. Long Bridge to top of keel

17.2

Draught Moulded

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	24 ✓		Bracket Floors, Frame	7 6 3 34 ✓	
" " from 1/2 length amidships to Collision bulkhead	27 ✓		" " Reversed Frame	7 6 3 32 ✓	
" " in peaks	FP = 24" AP = 22 3/4" 23" ✓		" " Vertical Struts	7 6 3 32 ✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	34" x 44 ✓	
Frame Amidships, Angle, E or C	8 3 35 ✓		" " top Angles	3 3 38 ✓	
" " Extends up to	2nd deck ✓		" " bottom Angles	32 1/2 32 1/2 44 ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	12" x 32 ✓	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	26" x 41 ✓	
Depth of Framing Girder	8" ✓		" " Vertical Angle to Tank side Bracket about 1/4 len. from stem	3 3 34 ✓	Tank top run out to shell N°6 tank
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	5 3 28 ✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	3 3 34 ✓	Tank top run out to shell N°1 Hold
" " Second 'tween Decks, Angle, C or E	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	12 x 34 every 5' 6" clear of oil	Every 2' 6" in way of oil
" " Third	8 3 40 ✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	24" x 34 ✓	Tank top run out to shell N°1 Hold
" " from 1/2 len. for'd. to 15% len. from Stem	9 3 1/2 38 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	52" x 37 ✓	
" " in Peaks, Angle or C	FP 6 3 1/2 28 ✓		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	79" x 40 ✓	
State if Frame Joggled	Yes ✓		Thickness of remainder in Holds	37 ✓	
Are the scantlings and arrangements in the Panting Area 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 ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes ✓		BEAMS.		
ANGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, E or C	6 3 32 ✓	
Floors, Depth and thickness at mid-line in Holds	34 alt. ✓		" " abaft Hatchways, Angle, E or C	5 x 3 x 32, 34 x 36 ✓	
Height of Brackets at side above base line at toe of frame	29" ✓		" " Spacing	27" ✓	
Middle Line Keelson, on Floors, Angles E or C	7 3 35 ✓		Second Deck, amidships, Angle, E or C	6 x 3 x 30 x 34 ✓	
" " Through Plate or Inter-costal Plate	27" ✓		" " Spacing	27" ✓	
" " Foundation Plate on Floors	✓		Third Deck, amidships, Angle, C or E	✓	
" " Flat Plate Keel Angles	✓		" " Spacing	✓	
Side Keelsons, No. each side	✓		Fourth Deck, amidships, Angle, C or E	✓	
" " thickness of Inter-costal Plate	✓		" " Spacing	✓	
" " Angles	✓		Poop Deck, Angle, C or E	✓	
" " Spacing	✓		" " Spacing	✓	
DOUBLE BOTTOM.			Bridge Deck, Angle, C or E	✓	
Solid Floors, thickness and spacing	34 alt. ✓		" " Spacing	✓	
" " Are Frame and Reversed Frame joggled?	Yes ✓		Forecastle Deck, Angle, C or E	✓	
Bracket Floors, breadth and thickness at middle line	36" x 34 ✓		" " Spacing	✓	
" " breadth and thickness at margin plate	36" x 34 ✓				

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	2 forward, 1 aft.			Stringer Plate, breadth and thickness in way of Bridge		✓	
" in 'tween Decks, Size and Spacing	as per approved plan			Thickness of Plating abreast Deck openings in way of Wells	.28	✓	
" " " " " "				Thickness of Plating abreast Deck openings in way of Bridge Machinery Casings	.31	✓	.28 ✓
" in Holds				Thickness of Plating within line of openings	.28	✓	
" " " " " "				If Sheathed, material and thickness	none	✓	
Centre Line Bulkhead. Stiffeners and Spacing		✓		Third Deck. Stringer Plate, breadth and thickness			
Plating, thickness of		✓		If Plated, state thickness		✓	
STRINGERS AND DECKS. Uppermost Continuous Deck.				Fourth Deck. Stringer Plate, breadth and thickness		✓	
Stringer Plate, breadth and thickness in Wells	84½ x .40	✓	.36 ✓	If Plated, state thickness			
" " " " " in way of Bridge		✓		Poop Deck. Stringer Plate, breadth and thickness		✓	
" Angle in Wells	3½ 3½ .40	✓		Plating, Sheathing, material and thickness		✓	
Thickness of Plating abreast Deck openings in way of Wells	.39	✓	.34 ✓	Bridge Deck. Stringer Plate, breadth and thickness	28 x 88		
Thickness of Plating abreast Deck openings in way of Bridge	.30	✓		Plating, Sheathing, material and thickness	28 x 88		
Thickness of Plating within line of openings	.33 4 paid	✓	.30 ✓	Forecastle Deck. Stringer Plate, breadth and thickness		✓	
If Sheathed, material and thickness	none	✓		Plating, Sheathing, material and thickness		✓	
Second Deck. Stringer Plate, breadth and thickness in Wells	85½ x .35	✓					

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.						
	AMIDSHIPS.		FORWARD.								
	Breadth.	Thickness.	Thickness.	Thickness.							
Flat Plate Keel	46	.54	.50	.50		Double	3/4	3	Double	3/4	3 1/2 lapped
" Dblg. (if any)											
Bottom Plating, No. of Strakes	A	.44	.68	.42		Double	3/4	3	Double	3/4	3 lapped
Bilge Plating, No. of Strakes	C	.44	.68	.42		"	3/4	3	Double	3/4	3 "
Side Plating, No. of Strakes	E	.44	.68	.40		"	3/4	3	Double	3/4	3 "
Upper Deck, Sheer-strake in Wells	G 71½	.50	.40	.40					Double	3/4	3 "
Upper Deck, Sheer-strake in Bridge											
Strake below Sheer-strake in Wells	F 74	.47	.40	.40		Double	3/4	3	Double	3/4	3 lapped
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—	5 BH (Coll to Sh dk, 4 to 2nd dk)
Extending to Upper Deck (Sec. 3 c)	1 to Shelter deck
" Deck next below	3 W.T. Bldgs to 2nd deck
As per Rule	4

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	BH				
" " Second	69				
" " Third					
" " Holds	.38-.32	7x3x.33	24"	Horiz Binder	
COLLISION (in Hold)	.46-.26	6x3x.32	24"	W.T. Plat	
AFTER PEAK	.42-1/8	5x3x.34	24"		

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	Flat plate	Keel		✓
STEM	rolled bar	8x2		✓
STERN FRAME	Propeller Post	Forged iron	8½x5½	CMEW
	Rudder	"	8½x5½	"
Speed of Vessel		12 ¾ knots		✓
RUDDER—Type		ordinary		✓
" A x D.		225.9		✓
" Diam. of head	Forged iron	8¾		CMEW
" Mainpiece at top pintle	"	8¾		✓
" " heel	"	6¾		✓
" how constructed		run keyed to mainpiece		✓
" double or single plate coupling, vertical or horizontal		double		✓
		horizontal		✓

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

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.		Description of Anchor.	Makers.	Where and when tested, and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.			
49850	1st Bower	38	3	0	34	19	1	14	34	19	1	38 1/2	✓	Bygon Imp. Type	✓	Std 10/8/46 F.W. Dorey
49851	2nd "	39	1	12	"	"	"	35	7	0	14	38 1/4	✓	" " "	✓	Std 10/8/46 F.W. Dorey
49654	3rd "	32	2	0	"	"	"	30	10	0	0	32 1/2	✓	" " "	✓	Std 6/7/46 F.W. Dorey
	Collective weight	110	2	12								110	✓			
62540	Stream	10	0	21	2	2	14	12	4	1	14	10	✓	Rodgers forged W. J. anchor	not stated	C.H. 12/7/46 W.Y. Norman

CHAIN CABLES.

HAWSEERS AND WARPS.

Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.			Length and size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire.	Length and size per Table 53.	
	Fathoms.	Ins.	Stations.	Break-ing.	Supplied.	Per Rule.		Fathoms.	Ins.					Fathoms.	Ins.		Fathoms.	Ins.
71680	240 5/8	1 13/16	59 3/8	82 1/2	415 - 1-12	397 1/4		240	1 13/16	Shed	Kendrick + male Ld.	C.H. 14/6/46 W.Y. Norman	TOWLINE	90	4	33.2	90	4
													HAWSEERS & WARPS	6-90	2 1/2	13.2	2-90	2 1/2
																	2-90	2 1/4
	75	4 1/4	✓	36.4	✓			75	4 1/4	✓								

ing Gear, Type (Power or hand) Donkin + Co. Steam + Idemotor Central ✓ Alternative Means of Steering Hand ✓
ing Chains (Size and Test) 2 1/2" ceiling under hatchways except N° 2 hold ✓ Windlass Emeraon Walker + Co ✓ Boats 1 wood boat 29.05 x 9.05 x 3.6 fitted with motor
ing in Holds, thickness and material 2 1/2" ceiling on 2" beams in N° 2 hold ✓ Cargo Battens, thickness, material and spacing 6" x 2" - 9" spacing ✓
Hatchways.-(Upper Deck) Steel plates + angles ✓ Thickness of Hatches 3" ✓
of Hatchways No. 1 (Fwd.) 22'6" x 14'0" No. 2 29'2" x 16'0" No. 3 20'2" x 14'0" No. 4 13'6" x 14'0" No. 5 No. 6
ber of Shifting Beams } 3 ✓ 4 ✓ 3 ✓ 2 ✓
for Fore and Afters }

Builder's Signature

WILLIAM GRAY & CO. LIMITED

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 Yes ✓
(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 constructed in accordance with the Society's rules + regulations
The scantlings + arrangements are in accordance with or equivalent to those shown on the approved plans. The materials + workmanship are good.
all double bottom tanks, peak tanks, F.W. tanks in twin decks, oil fuel bunker have been tested by the rules + found satisfactory. The weather decks, W.T. bulkheads, W.T. door have been satisfactorily tested. The assigned foulboards have been marked on the vessel's sides, verified + cut in. The windlass + steering gears have been satisfactorily tested under working conditions. The requirements of section 20 of the Rules for steel ships, where applicable, for the carriage of oil fuel having a flash point above 150°F have been carried out.
oil fuel is carried in the 20.3 S.B. tanks + oil fuel bunker.
The vessel has been satisfactorily strengthened for navigation in ice in accordance with the approved plans.

The amount of Entry Fee..... £ 5 - - - Fees applied for, 7-10-1946
Special Survey Fee..... £ 163: 19: -
Travelling Expenses, if any £ : : Received by me, 19

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

I am of opinion the Vessel should be Classed + 100 A.1.

with freeboard.

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

Signature

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to

W. Hpl.

Date of issue

8/11/46

Committee's Minute ✓

FRI. 8 NOV 1946

Character assigned

+ 100A1 "with freeboard"

9.46 Hpl. Fitted for oil fuel 9.46 F.P. above 150°F

Lloyd's A+C.P.

+ LMC 9.46

Strengthened for navigation in ice

White Hpl.

Spt.

Lloyd's Register Foundation

0006 2/12

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.)

Plans & forging reports attached.

SASSO Sw. L H 1586

PARTICULARS OF ELECTRIC WELDING (if employed) Welded plates fitted round frames where they pass through tank top of Nos 1 & 6 D.B. tanks & of fore & after peaks. overlap seams & butts of forward bhd of oil fuel bunker welded in addition to single riveting. Approved electrodes used.

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

Cruiser stern, Lloyd's Accp. Collision bhd to shelter deck & bhd to 2nd deck. 2. decks, D.F. ESD. Fitted for oil fuel 9.46 F.P. above 150°F. Strengthened for navigation in ice (See Gen. Declaration)

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

1st Bower
2nd "
3rd "

26.0.0
26.1.26
20.0.0

AEG
AEG
J.H.G.

8347
8358
6892

29.3.46
2.4.46
13.4.45

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. 181276

Signal Letters

Extreme Breadth over Belting (Circ. 1611)

Over-all Length 297'0 1/2" (Circ. 1703)

No. and Material of Decks

Parts of Bottom of Vessel coated with cement or approved composition

2nd peaks cemented, Double bottom 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.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	83.25	109	Fore peak tank,	15.9	14
Double bottom, under Engines and Boilers,	29.25	72	After peak tank,	11.4	31
Double bottom, if under Engines only, 2 Coff.	6.75		Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	9.0	159
Double bottom, forward,	121.450	214	Other tanks, if fitted,		
Total length (if continuous) and Capacity	233.10	395	(If necessary furnish further information by sketch.)		
	240.75				

Order for Special Survey No. 2479

Date 27-3-45

Dates of Surveys held while building

1945 Oct. 8.17.22.23.24.26.30. Nov. 5.7.14.20.23.28.30. Dec. 4.5.6.11.13.14.17.27.31.
1946 Jan. 8.9.11.14.17.22.25.26. Feb. 6.12.13.25.28. March 5.6.11.13.18.26.27. April 1.3.4.5.
11.12.18.24.26.29. May 3.6.16.21.29. June 12.17.28.29. July 3.8.10.18.23.25. Aug. 6.7.
12.13.14.15.16.22. Sept. 2.6.9.11.12.17.18.19.23.24.25.26.27.

Total No. of Visits 93