

State if Report is sent on the Machinery of the Vessel.....

On the (State if Machinery fitted with and if Single, Twin or Triple Screw) Single Screw. EMPIRE SOUTHWARK machinery aft.

State Type (Full Scantling, Complete Superstructure with or without Coverage Openings) *Full Scantling with Inboard.* State Type of Erections *4 Prop.*

Register Tonnage 2,89.09  
1st Longitudinal Number (L  $\times$  D) 1122  
2nd Numeral L  $\times$  (B + D) 22177  
Managers Moss Turner Brightman & Co.  
(Where necessary to be entered in Reg. Book)

FEET

315.55

46.6

22.15

Draught Moulded ..... 20-82

Managers Mario Turner Brightman & Co.  
(Where necessary to be entered in Reg. Book)

Building afloat & in dry dock

## 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 .....		✓			
" " from $\frac{3}{8}$ length amidships to Collision bulkhead.....		24	✓			" " Reversed Frame.....		✓			
" " in peaks .....		24	✓			" " Vertical Struts .....		✓			
SIDE FRAMING.						Centre Girder, depth and thickness amidships		42" x 42	✓		
Frame Amidships, Angle, <b>E</b> or <b>F</b> .....		11	3 1/2	42	✓	" " top Angles .....		3 3 40	✓		
" " Extends up to.....		11	3 1/2	42	✓	" " bottom Angles.....		3 1/2 3 1/2 44	✓		
Reversed Frame Amidships, Angle.....		12	3 1/2	40	✓	Side Girders, No. each side and thickness.....		1 - 32	✓		
" " Extends up to.....		12	3 1/2	40	✓	Margin Plate depth (excl. of flange) and thickness .....		32 x 43	✓		
Depth of Framing Girder.....		11	3 1/2	42	✓	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem.....		3 1/2 3 1/2 34	✓		
Frames in Uppermost Continuous 'tween Decks, Angle, <b>E</b> or <b>F</b> .....		✓			" " Vertical Angle to Tank side Bracket from forward $\frac{1}{2}$ len. from stem to Panting Area.....		5 5 34	✓			
" " Second 'tween Decks, Angle, <b>E</b> or <b>F</b> .....		✓			" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem.....		34 continuous	✓			
" " Third .....		✓			" " Gussets, spacing and scantling from forward $\frac{1}{2}$ len. from stem to Panting Area .....		34 continuous (R.Q. dk)	✓			
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem .....		11	3 1/2	46	✓	Tank Side Brackets, height above base line at toe of Frame and thickness		61" x 35 x 40	✓		
" " in Peaks, Angle, <b>E</b> or <b>F</b> .....		7	3 1/2	33	✓	INNER BOTTOM PLATING.					
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....		7/8 - 6 1/2			Breadth and thickness of Middle Line Strake...		85" x 57	✓			
State if Frame Joggled.....		yes			Thickness of remainder in Holds .....		57	✓			
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved? .....		no 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?.....		yes	✓			
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?.....		no approved			BEAMS.						
ANGLE BOTTOM.						Uppermost Continuous Deck, amidships in Wells, Angle, <b>E</b> or <b>F</b> .....		5 3 1/2 34	✓	and large brkls every 4' frame	
Floors, Depth and thickness at mid-line in Holds.....						" " in way of Bridge, Angle, <b>E</b> or <b>F</b> .....		6 3 1/2 36	✓		
" " Height of Brackets at side above base line at toe of frame.....						" " Spacing .....		every	✓		
Middle Line Keelson, on Floors, Angles, <b>E</b> or <b>F</b> .....						R.Q. Second Deck, amidships, Angle, <b>E</b> or <b>F</b> .....		5 3 1/2 34	✓	and large brkls every 4' frame	
" " Through Plate or Inter-costal Plate .....						" " Spacing .....		every	✓		
" " Foundation Plate on Floors .....						R.Q. Third Deck, amidships, Angle, <b>E</b> or <b>F</b> .....		8 3 34	✓	B.A. and angle	
" " Flat Plate Keel Angles .....						" " Spacing .....		every	✓		
Side Keelsons, No. each side.....						Fourth Deck, amidships, Angle, <b>E</b> or <b>F</b> .....		✓			
" " thickness of Intercoastal Plate.....						" " Spacing .....		6 3 43	✓		
" " Angles .....						Poop Deck, Angle, <b>E</b> or <b>F</b> .....		6 3 32	✓		
DOUBLE BOTTOM.						" " Spacing .....		every	✓		
Solid Floors, thickness and spacing .....		34	every	✓	Bridge Deck, Angle, <b>E</b> or <b>F</b> .....		✓				
" " Are Frame and Reversed Frame joggled? .....		no			" " Spacing .....		✓				
Bracket Floors, breadth and thickness at middle line .....		✓			Forecastle Deck, Angle, <b>E</b> or <b>F</b> .....		6 3 32	✓			
" " breadth and thickness at margin plate.....		✓			" " Spacing .....		every	✓			



## 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 .....	✓	
" " " " between Decks, Size and Spacing .....	✓		Thickness of Plating abreast Deck openings in way of Wells ... <i>Iron plate deck</i> .....	.50 ✓	
" " " " " "	✓		Thickness of Plating abreast Deck openings in way of Bridge.....	✓	
" " " " " "	✓		Thickness of Plating within line of openings....	.37 in way of bridge house .44 + .36 ✓	
" " " " " "	✓		If Sheathed, material and thickness.....	unsheathed ✓	
Centre Line Bulkhead, Stiffeners and Spacing .....	✓		Third Deck. Stringer Plate, breadth and thickness.....	.88 - 9.00	
Plating, thickness of .....	✓		If Plated, state thickness .....	✓	
STRINGERS AND DECKS.			Fourth Deck. Stringer Plate, breadth and thickness.....	✓	
Uppermost Continuous Deck:			If Plated, state thickness.....	.58 - .88 + 6	
Stringer Plate, breadth and thickness in Wells	85½ x .76 ✓		Poop Deck. Stringer Plate, breadth and thickness.....	.38 L. .32 ✓ .32 + .30 ✓	
" " " " " " in way of Bridge	✓		Plating, Sheathing, material and thickness ...	2½" wood deck over wocom ✓	
" " " " " " Angle in Wells .....	6 6 .62 ✓		Bridge Deck. Stringer Plate, breadth and thickness.....	✓ 23.018	
Thickness of Plating abreast Deck openings } in way of Wells ... <i>Iron plate deck</i> .....	.60 ✓		Plating, Sheathing, material and thickness ...	✓ 2.04 21.25	
Thickness of Plating abreast Deck openings } in way of Bridge.....	✓ .12-15		Forecastle Deck. Stringer Plate, breadth and thickness.....	.32 ✓ .32 ✓	
Thickness of Plating within line of openings...	.42 Iron plate deck ✓		Plating, Sheathing, material and thickness...	unsheathed ✓	
If Sheathed, material and thickness.....	unsheathed				
Second Deck.					
Stringer Plate, breadth and thickness in Wells	85½ x .54 ✓				

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	RIVETS.		No. of ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.	Diam.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
Flat Plate Keel.....	46 1/2	.65	.59	.59		Double	7/8	3 3/8	Irreble	7/8	3 1/2	lapped
„ Dblg. (if any)												
Bottom Plating, No. of Strakes 3.....		.53	.44	.44		Double	7/8	3 3/8	Irreble	7/8	3 1/2	lapped
Bilge Plating, No. of Strakes 1.....		.53	.44	.44		"	7/8	3 3/8	Irreble	7/8	3 1/2	"
Side Plating, No. of Strakes 1.....		.52	.43	.43	Fitted .52 in line of stringers.	"	7/8	3 3/8	Irreble	7/8	3 1/2	"
Upper Deck, Sheer-strake in Wells.....	82 1/2	.62	.43	.43					Quad	1"	4	"
Upper Deck, Sheer-strake in Bridge.....		.52	-	.43		Double	7/8	3 3/8	Irreble	7/8	3 1/2	"
Strake below Sheer-strake in Wells.....	82	.56	.43	.43		"	7/8	3 3/8	Irreble	7/8	3 1/2	"
Strake below Sheer-strake in Bridge.....		.52	-	.43		"	7/8	3 3/8	Irreble	7/8	3 1/2	"
Poop Side Plating.....				.515 3/4		Single	7/8	3	Irreble to Single	7/8	3 1/2	"
R.G. Oak Sheer Bridge Side Plating.....	62	.58	-	.43					Irreble	7/8	3 1/2	"
Forecastle Side Plating			.38			Single	7/8	3	Single	7/8	3 1/2	"

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— *1 Intermediate bhd dispensed with*  
Extending to Upper Deck (Sec. 3 c) *2 + 2 deep tank bhd. ✓*  
,, Deck next below *1 (aft peak). ✓*  
As per Rule *5*

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar .....		✓		
STEM .....		rolled bar $8\frac{1}{4} \times 2\frac{1}{2}$		
STERN FRAME {	Propeller Post	Forged iron $9\frac{1}{4} \times 6$	✓ CMEN	
	Rudder	" " $9\frac{1}{4} \times 6$	✓ "	
Speed of Vessel .....		under 12 knots	✓	
RUDDER—Type .....		ordinary 2 pintles	✓	
" A $\times$ D .....		270	✓	
" Diam. of head .....		Forged iron $8\frac{1}{8} + 10\% = 8\frac{1}{2}$	✓ CMEN	
" Mainpiece at top pintle .....		wrapper plate 10" dia	✓	
" " heel .....		" "		
" how constructed .....		Welded	✓	
" double or single plate .....		double plate	✓	
" coupling, vertical or .....		vertical	✓	
" horizontal .....				

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP	BULKH'D, Upper 'tween decks					
"	" Second "					
"	" Third "					
"	" Holds .....	47-32	10 x 3 1/2 x .467	29 1/2"	Hot girders	
			10 x 3 1/2 x .467	24"	as per plan	
			4 x 3 x .36 L 5			
			8 x 3 x .35 J	24"	Semi box beam	
COLLISION	" (in Hold) .....	46-30	4 x 3 x .36 L 5			
			7 x 3 x .33 J	24"		
AFTER PEAK	" .....	46-30				

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



EQUIPMENT No. 23941										LETTER U				ANCHORS.		
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.				
47643	1st Bower	45	2	-	Stockless				39	11	1	0	45	Bynorp. Dyke	✓	Sld 5/5/45. F. Dwyer.
47273	2nd "	45	1	21	"				39	11	1	0	45	" "		Sld 27/3/45. F. Dwyer.
	3rd "															
	Collective weight															
60179	Stream	12	1	0	3	0	10	14	1	3	14	12		Rodgers J. & Co. Ltd.		C.H. 21/6/45. W. 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.	Diam.	Statically.	Breaking.	Supplied.	Per Rule.		Fathoms.	Diam.					Fathoms.	Diam.		Fathoms.	Diam.	
69834	22Y	1 1/2	6 1/2	9 1/2	435.2.1	425	For 225 fms emergency magnimint	270	1 1/2	Slud	Kundrich & Sohn Ltd.	C.H. 20/6/45 W. Norman	TOWLINE	100	4	33.2	100	4	
													HAWSEERS & WARPS	2.90	2 1/2	13.2	2.90	2 1/2	
														2.75	2 1/2				
														4.90	6"	manilla			
														2.75	3	18.6	2.90	2 1/2	
From Stream Chain or Steel Wire	90	4 1/2			43.3			90	4 1/2										

Steering Gear, Type (Power or hand) *John Mastie & Co Ltd. Steam & Ld. Control* Alternative Means of Steering *Block & Tackle to Launch*

Steering Chains (Size and Test) *✓* Windlass *Emerson Walker & Co Ltd* Boats *1 wood boat 28x8.5x3.55  
1 wood boat 28x8.75x3.65  
filled with motor.*

Ceiling in Holds, thickness and material *2 1/2" over bilge* Cargo Battens, thickness, material and spacing *no cargo battens or fittings*

Cargo Hatchways.—(Upper Deck) *Steel plates & angles* Thickness of Hatches *3"*

Size of Hatchways No. 1 (Fwd.) *29'3" x 21'0"* No. 2 *38'3" x 28'* No. 3 *38'3" x 28'* No. 4 *38'3" x 28'* No. 5 *38'3" x 28'* No. 6 *38'3" x 28'*

Number of Shifting Beams and/or Fore and Afters *4* *6* *6* *6*

Builder's Signature *FOR WILLIAM GRAY & CO. LIMITED*  
*Wm. S. Simpson* GENERAL MANAGER

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 *No*

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *✓* 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 built in conformity with the Society's rules & regulations and the Secretary's letters. The scantlings & arrangements are in accordance with, or equivalent to, those shown on the approved plans. The materials and the workmanship are good. All double bottom tanks, peak tanks, and midship deep tanks have been tested as required by the rules & found satisfactory. The weather decks, W.T. Bulkheads & W.T. door have been satisfactorily tested. The assigned freeboards have been marked on the vessel's sides, verified & cut in. The windlass & steering gear have been satisfactorily tested under working conditions.*

The amount of Entry Fee *£7 0 0* Fees applied for, *12/9/1945* (Special notations, where part of class, to be stated)

Special Survey Fee *£311 12 6* Received by me, *I am of opinion the Vessel should be Classed + 100 A.1. with freeboard*

Travelling Expenses, if any *£ - - -* 19

State whether the Vessel has been built under Special Survey *Yes* Signature *W. H. Hpl.* Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *W. Hpl.* Date of issue *11/10/45*

Committee's Minute *28 SEP 1945*

Character assigned *+ 100 A1 with freeboard*

*9.45 Hpl. Lloyd's A.C.P.*

*"Cargo battens not fitted" machy. aft.*

*LMC \* 9.45*

*W.P. 200lbs Spt.*

*F.D. C.L.*

*note for S.R.L.*



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.)

Vessel similar to "EMPIRE ALDgate" William Gray & Co No 1180 Vessel  
Forging reports attached.  
approved plans attached.

22' x 8' 8" 25' x 8' 8" 28' x 8' 8" 31' x 8' 8"

22' x 8' 8" 25' x 8' 8" 28' x 8' 8" 31' x 8' 8"

22' x 8' 8" 25' x 8' 8" 28' x 8' 8" 31' x 8' 8"

PARTICULARS OF ELECTRIC WELDING (if employed) Bilge keel T bar welded to shell. ✓

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book  
Square Amsier stern. Lloyd's A.C.P. Notation about equipment. Cargo battens not fitted.  
Intermediate Bulkhead dispensed with. 4 Bkds.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	2nd	3rd	Surveyor's initials	No. of test	Date of Test
	28-2.7	28-0-0		A.E.G.	7265	13.3.45
				J.H.J.	6229	28.4.44

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 71 ft., R.Q.D. 202 ft., Bridge — ft., Forecastle 29 ft.

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

Official No. 180085 Signal Letters — Extreme Breadth over Belting (Circ. 1611) — Over-all Length 328' (Circ. 1703)

No. and Material of Decks 1 deck steel.

Parts of Bottom of Vessel coated with cement or approved composition. Bilges, peaks & boiler room & B. tank cemented.

Cement covering rivet heads in bottom frames, girders etc in remaining & B. tanks.

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,	Feet.	Tons.	Fore peak tank,	Feet.	Tons.
Double bottom, under Engines and Boilers,	44.25	117	After peak tank,	16.25	44
Double bottom, if under Engines only,			Deep tank, aft, Amidships	15.75	60.3
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	218.25	768	Other tanks, if fitted,		
Total length (if continuous) and Capacity.	265.5	885	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 2496  
Date 13.9.44  
Dates of Surveys held while building  
1944 Nov. 21, 29, Dec. 1, 14, 28, 1945 Jan. 4, 11, 24 Feb. 8, 12, 16, 27, Mar. 9, 13, 20, 23, 24, 26, 28, Apr. 12, 17, 20, 24, 26, May, 1, 12, 16, 18, 22, 31, June, 2, 11, 13, 14, 26, July, 2, 4, 11, 13, 16, 18, 27, 30, Aug. 1, 23, 30, Sept. 1.

Lloyd's Register Foundation  
Total No. of Visits 47