



## 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.
<b>PILLARS, No. of Rows.....</b>	✓			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 .....	✓		
„ „ „ „ „	✓			Thickness of Plating abreast Deck openings in way of Bridge .....	✓		
„ in Holds	Deep brackets as approved ✓			Thickness of Plating within line of openings...	✓		
„ „ „ „ „				If Sheathed, material and thickness .....	✓		
<b>Centre Line Bulkhead.</b>				<b>Third Deck.</b>			
Stiffeners and Spacing.....	✓			Stringer Plate, breadth and thickness.....	✓		
Plating, thickness of .....	✓			If Plated, state thickness.....	✓		
<b>STRINGERS AND DECKS.</b>				<b>Fourth Deck.</b>			
<b>Uppermost Continuous Deck.</b>				Stringer Plate, breadth and thickness.....	✓		
Stringer Plate, breadth and thickness in Wells	48 x .38 ✓			If Plated, state thickness .....	✓		
„ „ „ „ in way of Bridge	✓			<b>Poop Deck.</b>			
„ Angle in Wells .....	3 1/2 3/4 ✓			Stringer Plate, breadth and thickness .....	54 x .25 ✓		sheathed with limpet ashester 5/8" thick
Thickness of Plating abreast Deck openings in way of Wells .....	.38 ✓			Plating, Sheathing, material and thickness ...	.25 ✓		
Thickness of Plating abreast Deck openings in way of Bridge .....	✓			<b>Bridge Deck.</b>			
Thickness of Plating within line of openings...	.38 - .28. ✓ Poop			Stringer Plate, breadth and thickness.....	✓		
If Sheathed, material and thickness .....	sheathed with limpet ashester 3/8" thick ✓			Plating, Sheathing, material and thickness ...	.8 ✓		
<b>Second Deck.</b>				<b>Forecastle Deck.</b>			
Stringer Plate, breadth and thickness in Wells...	✓			Stringer Plate, breadth and thickness.....	.30 ✓		
				Plating, Sheathing, material and thickness ...	.26 ✓		no sheathing

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	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 .....	36	.42	.38	.38		Double	3/4	3	Treble	3/4	2 5/8	strapped	
„ DBLG. (if any)		✓											
BOTTOM PLATING, No. of Strakes ..... 2 .....		.36	.36	.32		Single	5/8	2 5/8	Double	5/8	2 1/4	lapped	
BILGE PLATING, No. of Strakes ..... 1 .....		.32	.28	.28		Single	5/8	2 5/8	Double	5/8	2 1/4	lapped	
SIDE PLATING, No. of Strakes ..... 1 .....		.32	.32	.32	increased forward.	Double } Single }	3/4 } 5/8 }	3 } 2 5/8 }	Double	5/8	2 1/4	lapped	
UPPER DECK, Sheer-strake in Wells.....	42	.40	.40	.40		Double	3/4	3	Treble	3/4	2 5/8	strapped	
UPPER DECK, Sheer-strake in Bridge ... at break	42	.54											
STRAKE BELOW Sheer-strake in Wells.....		✓											
STRAKE BELOW Sheer-strake in Bridge ...		✓											
POOP SIDE PLATING .....		.24				Single	5/8	2 5/8	single upper strake Double lower strake	5/8	2 1/4	lapped	
BRIDGE SIDE PLATING ...		✓											
FOREC'TLE SIDE PLATING		.26 and as approved.				Single	5/8	2 5/8	Double	5/8	2 1/4	lapped	

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) *2 watertight + 2 oil tight*

„ Deck next below *3 for record* ✓

As per Rule *3.*

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar .....	✓			
STEM .....		M.S. 5 3/4 x 1 1/8	✓	
STERN FRAME {	Propeller Post .....	W-1 5 x 2 1/4		LYTHAM S. & T. Co. Ltd.
	Rudder .....	FORGING 5 1/2 x 2 1/4		
Speed of Vessel .....		9 1/4		
RUDDER—Type .....		Semi balanced, double plated, streamlined		
" A & D .....		See approved plan.		
" Diam. of head .....		4	✓	
" Mainpiece at top pintle .....		4 1/4	✓	
" " heel .....		3 1/2	✓	
" how constructed .....		Steel	✓	
" double or single plate .....		double plated	✓	
" coupling, vertical or .....		Horizontal	✓	
" horizontal .....				

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks		✓				
"	" Second "	✓				
"	" Third "	✓				
"	" Holds .....	32 - 30 7 x 3 x 38 B.A. 24	✓		✓	✓
COLLISION		" (in Hold) .....	34 - 30 7 x 3 x 38 B.A. 23	✓	✓	✓
AFTER PEAK		" .....	56 - 30 4 x 3 x 38 0 A 23	✓	✓	✓

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture).

## STEEL.

Has the Steel been tested as required by the Rules?

Has the Steel been tested as required by the Rules? Yes

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EQUIPMENT No												LETTER	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.			
54167.	1st Bower ...	7	1	21	—	—	—	9	13	3	0	7-1-0	stockless	—	L.P.H.-C.H. 4/6/41 S.C. PAUL.
54168	2nd „ ...	7	1	17	—	—	—	9	11	2	7	7-0-0	stockless	—	L.P.H.-C.H. 4/6/41 S.C. PAUL
	3rd „ ...														
	Collective weight.	14	3	10								14-7-0			
54226	Stream ....	2	1	8	2	14	4	4	17	2	0	2-1-0	Iron stake	✓	L.P.H.-C.H. 30/6/41 S.C. PAUL.

CHAIN CABLES.										HAWSERS 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.	
	Length.	Diam.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.	Length.	Diam.					Length.	Cir.		Length.	Cir.
63815	165 1/2	7/8	13.75	20.65	68.3.0	64 1/4	165	7/8	165	7/8	Steel link	✓	L.P.H.-C.H. S.C. PAUL.	TOWLINE... F.S.W.R.	75	2 1/4	10.8.	75	2 1/4
														HAWSERS & WARPS	90	4	manila	90	4
Iron Stream Chain or Steel Wire	45	2 1/4	FLYER STEEL WIRE ROPE	10.8			45	2 1/4											

Steering Gear, Type (Power or hand) *Worm & Pinion (Hand)* Alternative Means of Steering *Hand Tiller*

Steering Chains (Size and Test) *5/8 4-12 2-5 Tensile* Windlass *Hand & by messenger Boats* Two 16'0" x 5'8" x 2'3".  
*chain from fore cargo winch.*

Ceiling in Holds, thickness and material *3' Scotch Fir* Cargo Battens, thickness, material and spacing *None*

Hatchways—(Upper Deck) *Steel plates & Angles* Thickness of Hatches *2 1/2*

Hatchways No. 1 (Fwd.) *20'0" x 14'6"* No. 2 *35'7" x 14'6"* No. 3 *—* No. 4 *—* No. 5 *—* No. 6 *—*

of Shifting Beams } *4* *10*  
 for Fore and Afters }

FOR ISAAC PIMBLOTT & SONS LTD.

Builder's Signature

*John Pimblott*

**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

(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 accordance with the approved plans and instructions as per Secretary's letter, and in conformity with the printed rules. The material and workmanship are good. The fore and after peak tanks, oil fuel deep tank, weather decks, bulkheads, and sidelights have been tested in accordance with Rule requirements and found satisfactory. The windlass, steering gear, capstan & pumps have been tested and found satisfactory.*

The amount of Entry Fee ..... £ *3 15 -* Fees applied for, *14 JUL 1942*

Special Survey Fee .... £ *40 17 6* Received by me, *19*

*Freeboard* *6*

Travelling Expenses, if any £ *4 6 8*

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

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

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

Signature

*W. Boylan*  
 Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *LIVERPOOL* Date of issue *13/7/42*

Committee's Minute *LIVERPOOL* *14 JUL 1942*

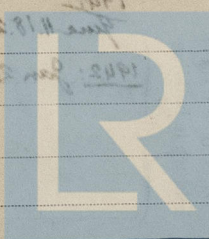
Character assigned *+100A1*

*Lloyds A.C.P. + LMC 6.42 OG.*

*OIL ENGINES*

The Surveyor is requested not to write on or before the Committee's Minutes.

*ghh*



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Lloyd's Register Foundation

009278-009286-0267

This vessel is a sister ship of the same Builders Yard Nos 635 & 636 i.e. "EMPIRE KYLE" and "EMPIRE GROVE" respectively with the exception of modifications to the bridge and accommodation which do not effect the structural arrangement.

Approved drawings of :-

Mid. Section.  
Profile and Decks.  
Shell Expansion.  
Stemframe and Rudder  
Engine Seatings.

have been returned with the F.E. for "EMPIRE GROVE"

Returned herewith is a forging certificate of the Stemframe, Rudder frame and upper Rudder stock.

PARTICULARS OF ELECTRIC WELDING (if employed)

Minor Fittings only, welded.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book + 100 A.I. Cruiser stem

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

1st Bower  
2nd "  
3rd "

J.D. 16.10.40. 5758  
J.D. 16.10.40. 5770

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 35.92 ft., R.Q.D. ft., Bridge ft., Forecastle 15.0 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 168824. Signal Letters Extreme Breadth over Belting 24' 9" Over-all Length 137.0. (Circ. 1611) (Circ. 1703)

No. and Material of Decks one steel

Parts of Bottom of Vessel coated with cement or approved composition

In hold, cement

Particulars of composition (if fitted) and of approval

In Engine room, Bitumastic Enamel.

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,	12.26	36.6
Double bottom, under Engines and Boilers,			After peak tank,	9.5	21.0
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted, (OIL FUEL DEEP TANK)	3.5	19.0
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 1339

Date

23/12/40

Dates of Surveys held while building

1941 June 11.18.25. July 1.9.16.23.30. Aug 13.20.27. Sept 3.11.17.24. Oct 1.8.8.15.22.29. Nov 6.12.19.26. Dec 3.10.17.23  
1942 Jan 2.9.14.29. Feb 4.11.18.25. Mar 5.13.19.25.31. Apr 8.16.22.29. May 6.14.21. June 3.10.17.24.

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Total No. of Visits 53.