





# 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 .....	6x6x 5/8 angle @ 5'-0"			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 1/2x 45 L			Third Deck.			
Stiffeners and Spacing .....	@ 5'-0"			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	6 1/2 x 64			If Plated, state thickness .....	✓		
„ „ „ „ in way of Bridge	✓			Poop Deck.			
„ Angle in Wells .....	6x6x 5/8			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?		RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.	No. of Rows of Rivets.	RIVETS.	STRAPPED OR LAPPED.	
Flat Plate Keel .....	52	78	68	68		D	7/8 3 1/3	4	1 4	L.	
„ Dblg. (if any)		✓									
Bottom Plating, No. of Strakes A.C.D.	B.	65	65	50		D	7/8 3 1/3	4 3	7/8 3 1/2	L	
Bilge Plating, No. of Strakes E.	D	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	45		D	7/8 3 1/3	3	7/8 3 1/8	L	
Upper Deck, Sheer-strake in Wells	72	74	45	45		D	7/8 3 1/3	4	1 4	L	
Upper Deck, Sheer-strake in Bridge		✓									
Strake below Sheer-strake in Wells	78	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—	8 BH (Coll 6 Wdk 7 6 2nd etc)
Extending to Upper Deck (Sec. 3 c)	7 5 divisional WT BHs in lower deck
„ Deck next below	1 openings in 'tw dk
As per Rule	7 BHs closed as per N.S. 1825

## 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 .....	cast	12x15 1/4	Boalson Lam	
{ Rudder „ .....				
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 .....				
„ 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 93. 26	6x3 1/2x 3/8 OA			
„ „ Second „	✓				
„ „ Third „	✓				
„ „ Holds .....	39-26	12x3 1/2x 45 L	31"		
COLLISION „ (in Hold) .....	53-33	7x3x 3/8 L	24"	25 B. beam flat	
AFTER PEAK „ „ .....	49-30	7x3x 3/8 L	24"	Recessed 4 ft. 25 B. beam	

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture).
	Appleby Lining Lam, Bonsett, Lorman Long, Colvilles, Shinning & Co.
	Has the Steel been tested as required by the Rules? YES.



EQUIPMENT No. 39798												LETTER A+	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.				
27016	1st Bower	68	3	0	✓			53	1	3	14	68	Stallan	✓	LPHW 14.1.42 AG
27023	2nd "	67	1	21	✓			52	7	2	0	68	do.	✓	do. 16.1.42 AG
	3rd "											58 1/2			
	Collective weight											194 1/2	do.	✓	
27025	Stream	24	0	7	✓			23	19	2	21				do. 16.1.42 AG

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.	
21977	325 1/2	2 5/16	96 5/16	13 1/2	606	1	16		270	2 5/16	Steel Link	✓	LPHS 31.3.42 VVN	TOWLINE	120	4 3/4	64.6	120	4 3/4
														HAWSERS & WARPS	2090	2 3/4	15.2	2090	2 3/4
															2090	2 1/2	13.2	2090	2 1/2
Iron Stream Chain or Steel Wire	90	5	✓	52.8					90	5									

Steering Gear, Type (Power or hand) Steam John Lynn & Co. Ltd Alternative Means of Steering Auxiliary Bldg & Jack  
Steering Chains (Size and Test) Telemotor Windlass Emerson Walker Boats 3-24 lifeboats  
Ceiling in Holds, thickness and material Stank Lsp increased 08" Cargo Battens, thickness, material and spacing no battens  
Cargo Hatchways. (Upper Deck) Steel Plates and Angles Thickness of Hatches 3"  
Size of Hatchways No. 1 (Fwd.) 33'9" x 20' No. 2 35' x 20' No. 3 15' x 20' No. 4 35' x 20' No. 5 35' x 20' No. 6 ✓  
Number of Shifting Beams and/or Fore and Afters N<sup>os</sup> 1, 2, 4, 5 - 5 N<sup>o</sup> 3 - 2  
FOR AND ON BEHALF OF  
JOSEPH L. THOMPSON & SONS, LIMITED  
Builder's Signature R. E. Thompson  
Managing Director

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 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).  
The vessel has been built in accordance with the approved plans, the Secretary's letter, & the Rules.  
The materials & workmanship are good.  
The freeboard marks have been verified & cut in on the vessel's side.  
The double bottom, peak, deep, FW, tanks have been tested in accordance with the Rules.  
The decks, hullheads, tunnels, W.T. door, and aloft have been satisfactorily tested.  
The steering gear, emergency steering gear, windlass, have been tried under working conditions.  
The equipment of anchors & cables has been reduced as per Secretary's letter of 22.2.40 & 21.9.40  
2<sup>nd</sup> Deck Hatch covers fitted at No. 3 hatch only.  
The following reports are enclosed :- Stern Frame, Rudder Head & Frame, Quadrant & Liller.

The amount of Entry Fee..... £ 10 : 0 :  
Special Survey Fee..... £ 79 : 3 : 6  
Treaboard 18  
Travelling Expenses, if any ..... £ : :  
Fees applied for, 19 May 1942  
Received by me, 19  
I am of opinion the Vessel should be Classed + 100 A.1.  
with freeboard  
Signature W. C. Hulls  
Surveyor to Lloyd's Register of Shipping.  
State whether the Vessel has been built under Special Survey YES  
Certificate to be sent to SUNDERLAND Date of issue 16/6/42

Committee's Minute TUE 2 JUN 1942  
Character assigned + 100 A.1  
With freeboard  
Lloyd's arch  
OK, E.S.D.  
note for S.R.L.  
+ Sub 5.42  
J.D. Ch.  
Lloyd's Register Foundation

IX165-00691212



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 Vessels  
SS. Empire Liberty SLO. Rpt. N<sup>o</sup> 33249  
SS. Empire Halley " " 33270  
SS. Empire Johnson " " 33300  
SS. Empire Leonard " " 33334  
SS. Empire Barrier " " 33374

PARTICULARS OF ELECTRIC WELDING (if employed)

2<sup>nd</sup> Deck stringer plate welded to shell, T.S. gussets welded to T.S. brackets & to T. Top, tween deck pillars welded to deck, & bulkhead stiffeners welded to T. Top, ventilator coaming & small latches welded to deck.

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

D.F.

E.S.D.

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

including pins

1st Bow

44

0

21

K.L.

H350

25.10.41

2nd "

44

2

14

K.L.

H355

29.10.41

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. 168285 Signal Letters ☒ Extreme Breadth over Belting ☒ Over-all Length 441'-5" ☒  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 2 Steel Deck ☒

Parts of Bottom of Vessel coated with cement or approved composition

All DB tanks 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,	135.00	306	Fore peak tank,	23	145
Double bottom, under Engines and Boilers,			After peak tank,	24	160
Double bottom, if under Engines only,	25.00	106	Deep tank, <del>20</del> 20	20	773
Double bottom, if under Boilers only,	20.00		Deep tank, forward,		
Double bottom, forward,	188.25	648	Other tanks, if fitted,		
Total length (if continuous) and Capacity	368.25	1060	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 5793

Date 17.7.41

Dates of Surveys held while building

1941. Sep. 30. Oct. 1. 3. 7. 8. 9. 13. 14. 16. 22. 24. 28. 31. Nov. 4. 7. 11. 13. 18. 19. 21. 24. 26. Dec. 1. 2. 5. 9. 15. 19. 23. 1942. Jan. 2. 9. 10. 11. 13. 16. 18. 21. 24. 26. 27. Mar. 2. 3. 24. 27. 30. 31. Apr. 3. 8. 13. 16. 17. 21. 22. 24. 28. 29. May. 1. 6. 8. 12. 13. 14.

Total No. of Visits 71