

004512-004519-0076 1/3



## 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 „ „ „ .....	✓		Thickness of Plating within line of openings...	✓
2 Long- <del>Centre Line</del> Bulkheads	9 x 3 1/2 x 40	✓	If Sheathed, material and thickness.....	✓
Stiffeners and Spacing ..... 1" @ 30" ✓	6 x 3 x 34	✓	<b>Third Deck.</b>	
Plating, thickness of .....	.50 - .36	✓	Stringer Plate, breadth and thickness.....	✓
<b>STRINGERS AND DECKS.</b>			If Plated, state thickness .....	✓
<b>Uppermost Continuous Deck.</b>			<b>Fourth Deck.</b>	
Stringer Plate, breadth and thickness in Wells	87 x 82	✓	Stringer Plate, breadth and thickness.....	✓
„ „ „ „ in way of Bridge	✓		If Plated, state thickness.....	✓
„ Angle in Wells .....	8 x 8 x 82	app'd 7 x 7 x 82	<b>Poop Deck.</b>	
Thickness of Plating <del>abreast Deck openings</del> in way of Wells .....	.76 x .66	✓	Stringer Plate, breadth and thickness.....	39 x 38 ✓
Thickness of Plating abreast Deck openings in way of Bridge.....	✓		Plating, Sheathing, material and thickness ...	.29 x .24 ✓
Thickness of Plating within line of openings...	✓		<b>Bridge Deck.</b>	
If Sheathed, material and thickness.....	✓		Stringer Plate, breadth and thickness.....	✓
<b>Second Deck.</b>			Plating, Sheathing, material and thickness ...	✓
Stringer Plate, breadth and thickness in Wells	✓		<b>Forecastle Deck.</b>	
			Stringer Plate, breadth and thickness.....	36 x 41 ✓
			Plating, Sheathing, material and thickness...	.27 ✓

# SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?.....	No.✓	No. of Rows of RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing cr. to cr.		Diam.
	Inches.	Inches.	Inches.	Inches.		SINGLE OR DOUBLE.	Inches.	Inches.		Inches.	Inches.	
Flat Plate Keel.....	54	1.00	1.00	.86		D ✓	1 1/8	4 ✓	3 ✓	1 1/8	4 1/2	DOUBLE STRAPS ✓
„ Dblg. (if any)		✓										
Bottom Plating, No. of Strakes A, B, C, D. }		.76 ✓	.87 ✓	.52 ✓		D ✓	1 ✓	3 1/2 ✓	5 ✓	1 ✓	4 1/2 ✓	L ✓
Bilge Plating, No. of Strakes A, B, C, D. }	E	.76 ✓	✓	✓		D ✓	1 ✓	3 1/2 ✓	5 ✓	1 ✓	4 1/2 ✓	L ✓
Side Plating, No. of Strakes F, G, H. }		.64 ✓	.48 ✓	.48 ✓		D ✓	7/8 ✓	3 1/8 ✓	3 ✓	7/8 ✓	3 1/8 ✓	L ✓
Upper Deck, Sheer- strake in Wells.....	73 1/2	1.00	.46	.46 ✓		D ✓	1 ✓	3 1/2 ✓	Butts welded ✓			
Upper Deck, Sheer- strake in Bridge ...		✓										
Strake below Sheer- strake in Wells.....		.77 ✓	.46 ✓	.46 ✓		D ✓	1 7/8 ✓	3 1/2 ✓	4 ✓	1 ✓	4 ✓	L ✓
Strake below Sheer- strake in Bridge ...		✓	✓	✓								
Poop Side Plating.....		✓	✓	.42 ✓		S ✓	7/8 ✓	3 1/2 ✓	2 ✓	3/4 ✓	2 5/8 ✓	L ✓
Bridge Side Plating.....		✓	✓	✓								
Forecastle Side Plating		✓	.46 ✓	✓		S ✓	7/8 ✓	3 1/2 ✓	welded ✓			

Butts of fore end side shell  
plating welded forward of 3 1/2 L.

## WATERTIGHT BULKHEADS.

FORGINGS AND CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		Casting or Forging.		Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
Extending to Upper Deck (Sec. 3 c).....		13.				
,, Deck next below.....		✓				
As per Rule.....		✓				
		STIFFENERS.				
		VERTICAL.		HORIZONTAL.		
		Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKH'D,	Centre Tanks	56-44	12x3½x45	36	26 RIDDERS 42x40	✓
	Upper Tween decks				F. ANGLES 7° 10'	✓
	Wing Tanks	56-38	do.	do.	26 RIDDERS 36x40	✓
	Second				F. ANGLES 7° 10'	✓
	Third	✓				
	Holds	✓				
COLLISION	(in Hold)	56-38	9x3½x38	36	46 RIDDERS 24x46	✓
AFTER PEAK		48-34	do.	36	36 RIDDERS	✓
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)		Open Hearth.				
STEEL.		Consett, South Durham, Dorman Long, Shinninggrove, Appleby Road, Colville.				
Has the Steel been tested as required by the Rules?		YES.				



Rpt. 1\*.

S.S. EMPIRE BERESFORD SUNDERLAND. N<sup>o</sup> 33853  
 PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.				
		In Ship.			In Ship.				Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.		Rivets in Brackets to Bulkheads.
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam. Ins.	Speng. Ins.	Inches.		Number.	Diameter. Inches.
Framing of <del>L</del> , <del>L</del> or <del>E</del> .....			✓										
Frames in Bridge 'tween Decks ...			✓										
Frames from Uppermost Continuous Deck No. 1		7 x 3 1/2 x .40 ✓								1 6	throughout ✓		
" 2		do. ✓								7/8 5 1/4	do. ✓		
" 3		do. ✓								7/8 5 1/4	do. ✓		
" 4		7 x 3 1/2 x .43 ✓								7/8 5 1/4	do. ✓		
" 5		8 x 3 1/2 x .36 ✓								7/8 5 1/4	do. ✓		
" 6		do. ✓								7/8 5 1/4	do. ✓		
" 7		8 x 3 1/2 x .44 ✓								7/8 5 1/4	8 Rivs @ 4" ✓		
" 8		9 x 3 1/2 x .37 ✓								7/8 5 1/4	do. ✓		
" 9		do. ✓								7/8 5 1/4	do. ✓		
" 10		9 x 3 1/2 x .41 ✓								7/8 5 1/4	do. ✓		
" 11		10 x 3 1/2 x .40 ✓								7/8 5 1/4	8 Rivs. @ 3 1/8" ✓		
" 12		11 x 3 1/2 x .43 ✓								7/8 5 1/4	do. ✓		
" 13		12 x 3 1/2 x 3 1/2 x .42 .50 d. ✓								7/8 5 1/4	do. ✓		
" 14		✓								7/8 5 1/4	do. ✓		
" 15		✓											
" 16		✓											
Spacing of Longitudinal Frames		Amidships 30 h as app <sup>d</sup> ✓											
At Ends .....		✓											
Double Bottoms <del>L</del> , <del>E</del> or <del>C</del> } Tank Top Longitudinals		✓											
Bottom " 15 x 4 x 4 x .44 ✓		✓								7/8 5 1/4	9 Rivs @ 3 1/8" 8-11" spacing ✓		
Amidships 36 ✓		✓									7 do. 7-2" spacing ✓		
At Ends ...		✓									Rivs. spaced 4" fwd Bld 75. in plan ✓		
Bottom Transverses.		48 x .46 ✓											
Centre Side Tanks (in 'tween Decks) } Depth and Thickness		10 x 3 1/2 x .52 [ @ 8-11" ✓											
Face Angles .....		welded ✓											
Lugs to Shell* .....		36 x .44 ✓											
Wing Side Tanks (in Hold) } Depth and Thickness		6 x 3 1/2 x .40 OA. ✓											
Face Angles .....		6 x 6 x .44 inter <sup>1</sup> ✓											
Lugs to Shell* .....		36 x .44 ✓											
Side Transverses Bottom } Depth and Thickness		6 x 3 1/2 x .48 OA. ✓											
Face Angles .....		6 x 6 x .46 inter <sup>1</sup> ✓											
Lugs to Shell* .....		✓											
" " Back Bars ...		✓											
Brackets .....		7-2" & 8-11" ✓											
Spacing of Transverse Frames .....		State if joggled or liners.											
Longitudinal Beams of <del>L</del> , <del>L</del> or <del>E</del> Bridge Deck ...		✓											
Upper " 8 x 3 1/2 x .35 ✓		✓								36" ✓	27" x 40" 5 x 3 1/2 x 40 ✓		
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.



EQUIPMENT No.....												LETTER <b>e</b> +		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.					
HHH 82	1st Bower	86	1	19	✓			61	17	2	0	85½	Stockless	✓	LPHS 2-10-43 RIV.	
HHH 83	2nd "	85	2	21	✓			61	10	0	0	85½	do	✓	do. H-10-43 do.	
	3rd "															
	Collective weight											244½				
56317	Stream	24	3	12	✓	6	1	20	24	12	3	7	25	Long Stock	✓	LPHCH 30-7-43 WVN.

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.		Descrip- tion.	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.	Statu- ry.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.	Length.					Ins.	Tons.		Fathoms.	Ins.	Fathoms.	Ins.		
19161	240	2 9/16	116 7/10	163 3/8	807.3.7			300	2 9/16	Stud Link		LPHLW 13-10-43 AG	TOWLINE	130	5 1/4	77.5	130	5 1/4				
													HAWSERS & WARPS	40	100	2 3/4	15.2	40	100	2 3/4		
Iron Stream Chain or Steel Wire	120	4 1/2			586			120	4 3/4													

Steering Gear, Type (Power or hand) John Lyman & Co. Ltd. Alternative Means of Steering Auxiliary Black & Tackle

Steering Chains (Size and Test) Telemotor Windlass Blake Chapman 2-24' lifeboats steel

Ceiling in Holds, thickness and material ✓ Cargo Battens, thickness, material and spacing ✓

Cargo Hatchways.—(Upper Deck) 10" 3/4" coamings welded to deck Thickness of Hatches 40" O.T. covers

Size of Hatchways No. 1 (Fwd.) 48" dia No. 2 ✓ No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓

Number of Shifting Beams and/or Fore and Afters ✓

Builder's Signature Sir James Laing & Sons Limited. Assistant 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 YES

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo tankee 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).

Oil Fuel (F.P. above 150°F) carried in ER.D.B. tank, BR.D.B. tank, O.F. Tank, and in forward deep tank.

This ship has been built in conformity with the Society's Rules and Regulations and the Secretary's Letters. The scantlings and arrangements are in accordance with, or equivalent to, those shown on the approved plans.

The materials and workmanship are good.

The freeboard marks have been verified and cut in on the vessel's sides.

The double bottom, fore & aft peak, deep, F.W., cargo oil tanks, O.F. tanks, cofferdams have been tested in accordance with the Rules.

The decks, steering gear, emergency steering gear, windlass, have been satisfactorily tested.

The equipment of anchors and cables has been reduced as per Secretary's Letter of 22.2.40 & 21.9.40

The following reports are enclosed:— Rudder Head & Arm, Quadrant, Tiller.

The amount of Entry Fee..... £ 11 : : : Fees applied for, **22 DEC 1943**

Special Survey Fee..... £ 67.13 : : Received by me, 19

Specification 166 18

Freedom 20

Travelling Expenses, if any £ : : :

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

I am of opinion the Vessel should be Classed +100A1

Carrying Petroleum in Bulk.

State whether the Vessel has been built under Special Survey YES

Signature W. B. Muller

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to SUNDERLAND.

Committee's Minute ✓

Date of issue 31/1/44

**FRI. 21 JAN 1944**

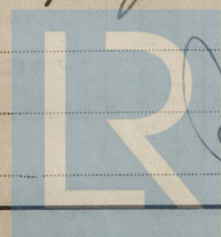
Character assigned

+100A1 Carry 2 Petroleum in Bulk.

Tiller for Oil Fuel 12.43 F.P. above 150°F

Lloyd's A.C.P. Mchly aft. +LMC 12.43

write etc.



Lloyd's Register

0076 3/3



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 Vessel SS. THAMESFIELD Sld. Rpt. N° 33820.

Vessel placed in dry dock on account of suspected damage during launching, bottom & rudder cleaned, examined and coated. Rudder & stem frame specially examined and found to be undamaged.

PARTICULARS OF ELECTRIC WELDING

(if employed)

Butts of sheerstrake, fore and side shell plating welded; long hullheads welded to deck & to shell; transverse hullheads & transverse in centre tanks welded to bottom shell; transverse hullhead girders welded to hullheads; shell plating welded to stem & to upper deck plating inside poop & fore & aft & midship deckhouse welded to deck; tank top plating and engine room stringer welded to shell; fore & aft peak stringers, deep tank top welded to shell, small hatch and ventilator coamings welded to deck.

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

Butts of Sheerstrake Electrically welded.  
D.F.

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

including pins

1st Bower

55 1 19

A.E.G.

H935

16.4.43

2nd

55 1 7

A.E.G.

H807

9.2.43

3rd

109.3 See 4th Rpt. & plans

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 113.3 ft., R.Q.D. ft., Bridge ft., Forecastle 38.25 ft.

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

Official No. 180052

Signal Letters

Extreme Breadth over Belting (Circ. 1611)

Over-all Length 503.92" (Circ. 1703)

No. and Material of Decks 1 Steel Deck

Parts of Bottom of Vessel coated with cement or approved composition

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,	✓	✓	After peak tank,	28	322
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	17.5	205
Double bottom, if under Boilers only,	55.25	22.44	Deep tank, forward,	31.08	613
Double bottom, forward,	✓	✓	Other tanks, if fitted,	3.00	164
Total length (if continuous) and Capacity	✓	✓	(If necessary furnish further information by sketch. After Dn.	3.00	180

Order for Special Survey No. 6075

Date 15.12.42

Dates of Surveys held while building

19.4.21, Feb. 23, Apr. 27.9.19.20.21.23.28.30. May. 3.5.6.7.11.12.14.18.21.26.27.28.31. June 2.7.10.18.22.23.28.30. July. 6.9.12.13.14.16.19.20.21.23. Aug. 3.4.9.10.12.15.16.18.20.23. 24.25.26.27.29.30.31. Sep. 1.2.3.5.6.7.8.9.10.13.14.15.21.22.23.24.26. Oct. 2.9.11.18.19.20. 21.25.30. Nov. 4.20.24.27.29. Dec. 4.6.11.17.21

Total No. of Visits 94