

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		50 - 46	✓
,, 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		45	✓
,, " " " " " "		6x3x.39 7x3x.34 7x3x.42 8x3x.38 8x3x.39 8x3x.48 9x3x.42 9x3x.48 9x3x.42	space 30"	If Sheathed, material and thickness		✓	
Centre Line Bulkhead.				Third Deck.			
Stiffeners and Spacing.....				Stringer Plate, breadth and thickness.....		✓	
Plating, thickness of		5/16 - 3/16		If Plated, state thickness.....		✓	
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....		✓	
Stringer Plate, breadth and thickness in Wells		73 - 84	✓	If Plated, state thickness		✓	
,, " " " " in way of Bridge		73 - 85	(as planned)	Poop Deck.			
,, Angle in Wells		7 7 - 85	✓	Stringer Plate, breadth and thickness		42 - 38	
Thickness of Plating abreast Deck openings in way of Wells		80	(on deck plating)	Plating, Sheathing, material and thickness		32" 5x2 1/2" P. Pine sheathing when exposed	
Thickness of Plating abreast Deck openings in way of Bridge		✓		Bridge Deck.			
Thickness of Plating within line of openings.....		45	✓	Stringer Plate, breadth and thickness.....		43 - 44	
If Sheathed, material and thickness		✓		Plating, Sheathing, material and thickness		34" sheathing 5x2 1/2" P. Pine	
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells.....		50 - 46	✓	Stringer Plate, breadth and thickness.....		60 - 38	
				Plating, Sheathing, material and thickness		26" sheathing 5x3" P. Pine	

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled?			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		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	54	1.01	.80	.80		Double	1 1/8	4 1/2	5 R	1 1/8	5	Lapped	
„ DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BOTTOM PLATING, No. of Strakes 4	3-82 1-84	.67	.52	.52		Double	7/8	3 1/8	4 R	7/8	3 1/2	Lapped	
BILGE PLATING, No. of Strakes 1	82	.67	.52	.52		Double	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes 4	2-72 2-78	.64	.48	.48		Triple	"	3 1/2"	"	"	"	"	
UPPER DECK, Sheer- strake in Wells. 1...	52	1.12	.48	.48	+ .08	Double	1 1/8	4 1/2	5 R	1 1/8	5	"	
UPPER DECK, Sheer- strake in Bridge 1..	52	1.12	.48	.48	+ .08	Double	"	"	"	"	"	"	
STRAKE BELOW Sheer- strake in Wells.....	52	.96	.48	.48	+ .06	Double	"	"	"	"	"	"	
STRAKE BELOW Sheer- strake in Bridge ...	52	.96	.48	.48	+ .06	Double	"	"	"	"	"	"	
POOP SIDE PLATING	✓	.42	✓	✓		Single	3/4	2 5/8	1 R	3/4	2 5/8	"	
BRIDGE SIDE PLATING ...	✓	.44	✓	✓		Single	"	"	1 R	"	"	"	
FOREC'TLE SIDE PLATING	✓	.44	✓	✓		Single	"	"	1 R	"	"	"	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		Ten	
Extending to Upper Deck (Sec. 3 c)		Six	
" Deck next below			
As per Rule		✓	

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks					
" " Second "					
" " Third "					
" " Holds					
COLLISION " (in Hold)					
AFTER PEAK " "					

as approved.

$9\frac{1}{2}" \times 3\frac{1}{2}" \times .52" \text{ B.A.}$
 $48"-30" \quad 8\frac{1}{2}" \times 3\frac{1}{2}" \times .38" \text{ B.A.}$ spaced 31" (suplens)
 $52"-38" \quad 12\frac{1}{2}" \times 3\frac{1}{2}" \times .48" \text{ B.A.}$ spaced 24"

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓	✓	✓	✓
STEM	Forged Steel	10 1/2 x 2 3/4		
STERN FRAME {	Cast Steel	(as approved)	Messrs Fried Krupp A.G. of Essen	
Propeller Blks.	"	11 x 3 3/8	"	
Rudder Post	"	"	"	
RUDDER—A x D.....	675	✓	✓	✓
Speed of Vessel	11 Knots	✓	✓	
RUDDER mainpiece at head	Forged	12 5/8 DIA.	Messrs Fried Krupp A.G. of Essen.	
" " heel	2 soft steel.	9 1/2 DIA.		
how constructed	Built, arms shrouns & Keyed.			
double or single plate	single 1-14			
coupling, vertical or horizontal	Horizontal			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *S. M. open hearth.*
Please & Partners; Cargo Fleet; Baldwin & Co.; Wm Beardmore; Cleveland Steel works; Dorman Long; Appleby Iron Co.;
Frodingham Iron & Steel Co.; Cornett Iron Co. Vereinigte Stahlwerke Aktiengesellschaft; Kanamkhu Steel Co.
 Has the Steel been tested as required by the Rules? *Yes.*

HAWSERS AND WARPS.

GAMMELL LAIRD AND COMPANY LIMITED.

Builder's Signature

~~SECRETARY~~

Approved plans 16 in number (details on page 4) are forwarded with this report.

Fees applied for,

Received by me,

11 - 13 - 4

Yes

"Carrying keelasses or Petroleum in bulk"
Longitudinal framing.

Signature

C. H. Dean

Surveyor to Lloyd's Register of Shipping.

~~Certificate to be sent to~~

Date of issue

Committee's Minute.

LIVERPOOL

18 MAR. 1930

Character assigned

+ 100 Al. 3. 20

Carrying Molasses
or Petroleum in bulk. Long. Haining
Islands A & C.P.

+ L.M.C. 3.30. F.D.

C. L. Oil Engine.
Electric Light

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.)

The following approved plans are forwarded herewith:

1. Endship Section
2. Engine Section 1 & 2
3. Upper Deck Scantlings
4. 2nd Deck Scantlings
5. Rudder and Stemframe
6. Propeller Brackets
7. Stiffeners for Port side Bhd. 42
8. Aft end framing.
9. Fore peak
10. Forward oil tight flat, side stringers &c.
11. Wast Plan.
12. Oil Fuel Bunkers
13. Longitudinal Section.
14. Riveting of Longs to Centre line Bulkhead.
15. Alt. proposal showing Bottom Longitudinal Bkts.

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

1st Bower Wt 46-2-7 cwt.; Initials M.B.; Cert. No. 6988; Date 27th September 1929.
2nd " " 47-1-15 " ; " M.B.; " - 6971; " 27th November 1929.
3rd " " 40-2-6 " ; " K.H.; " - 7169; " 12th November 1929.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 118'0", R.Q.D. ✓ ft., Bridge 34'33", Forecastle 47'88".
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 2 Bks (see).

Official No. 161147; Signal Letters

particulars of composition

Is bottom of Vessel coated with cement ✓ Yes
F. Peak & after peak tank & Fore tank if not give Yes

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓	✓	Fore peak tank,	<u>22'0"</u>	<u>211</u>
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	<u>28'0"</u>	<u>425</u>
Double bottom, if under Engines only, <u>Feed tank</u>	<u>20'0"</u>	<u>103</u>	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only, <u>Remainder</u>	<u>60'0"</u>	<u>238.5</u>	Deep tanks forward,	<u>43'6"</u>	<u>712</u>
Double bottom, forward,	✓	✓	Other tanks, if fitted,	✓	✓
Total capacity of double bottom	<u>359</u>	<u>344.5</u>	(If necessary, furnish further information by sketch.)	✓	✓

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 1233

Date

22/3/29.

Dates of Surveys held while building

Apr 16. 22. May 7. 14. 31. June 5. 12. 18. 21. 24. 28. July 3. 20. 24. 26. 30. Aug 1. 2. 7. 8. 12. 13. 14. 20. 22. Sept 6. 10. 12. 17. 19. 20. 24. 25. Oct 1. 2. 4. 7. 9. 10. 15. 18. 22. 23. 25. 28. 29. 30. 31. Nov 1. 4. 5. 6. 8. 11. 13. 14. 15. 18. 19. 20. 22. 25. 27. 28. Dec 2. 3. 5. 6. 7. 10. 11. 16. 17. 18. 19. Jan 7. 11. 21. 22. 28. Feb 3. 7. 12. 13. 14. 17. 19. 20. 21. 24. 25. 28. Mar 1. 3. 4. 6.

Lloyd's Register
Total No. of Visits 96

19 30

Rp 1*.

PARTICULARS OF LONGITUDINAL FRAMING.

19 MAR 1930

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.					
		In Ship.			In Ship.			By Rule or as approved.			By Rule or as approved.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.		Rivets in Brackets to Bulkheads.	
														Diam.	Speng.				
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Inches.	Number.	Diameter.	
Framing of 主, 中 梁		✓			✓			✓			✓			3/4	4 1/2	✓	✓	✓	
Frames in Bridge 'tween Decks ...		6 1/2	3	.36	✓	✓	✓	6 1/2	3	.36	✓	✓	✓	3/4	4 1/2	✓	✓	✓	
Frames from Uppermost Continuous Deck No. 1		8	3 1/2	.38	8	3 1/2	.38	8	3 1/2	.38	8	3 1/2	.38			✓	6	7/8	
" 2		8	3 1/2	.38	8	3 1/2	.38	8	3 1/2	.38	8	3 1/2	.38			✓	6	7/8	
" 3		8	3 1/2	.38	8	3 1/2	.38	8	3 1/2	.38	8	3 1/2	.38	7/8	5 1/4	✓	✓	✓	
" 4		8	3 1/2	.38	8	3 1/2	.41	8	3 1/2	.38	8	3 1/2	.41			✓	8	7/8	
" 5		8	3 1/2	.38	9	3 1/2	.40	8	3 1/2	.38	9	3 1/2	.40			✓	8	7/8	
" 6		8	3 1/2	.46	9	3 1/2	.46	8	3 1/2	.46	9	3 1/2	.46			4	8	7/8	
" 7		8 1/2	3 1/2	.45	10	3 1/2	.42	8 1/2	3 1/2	.45	10	3 1/2	.42			"	9	7/8	
" 8		9	3 1/2	.43	10	3 1/2	.48	9	3 1/2	.43	10	3 1/2	.48			"	9	7/8	
" 9		9 1/2	3 1/2	.45	11	3 1/2	.42	9 1/2	3 1/2	.45	10 1/2	3 1/2	.51			3	10	7/8	
" 10		9 1/2	3 1/2	.45	11	3 1/2	.46	9 1/2	3 1/2	.45	11	3 1/2	.46	7/8	5 1/4	"	10	7/8	
" 11		10	3 1/2	.45	12	3 1/2	.42	10	3 1/2	.45	11	3 1/2	.47			"	10	7/8	
" 12		10	3 1/2	.48	12	3 1/2	.50	10	3 1/2	.48	12	3 1/2	.50			"	10	7/8	
" 13		12	3 1/2	.53	12	3 1/2	FORD .46	12	3 1/2	.53	12	3 1/2	.46			"	11	7/8	
Channel " 14		12 x 4 x 4 x .48			✓	✓		12 x 4 x 4 x .48			✓	✓				"	16	7/8	
" 15		✓	✓	✓	12	3 1/2	FORD .52	✓	✓	✓	12	3 1/2	.52			✓	✓	✓	
" 16		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	
" 17					12	3 1/2	FORD .58				12	3 1/2	.58			✓	✓	✓	
acing of longitudinal frames		Amidships 24"			At Ends			24"			At Ends			✓	✓	✓	✓	✓	
TANKS		Tank Top Longitudinals												✓	✓				
Bottom LONGITUDINALS		15 x 4 x 4 x .41			15 x 4 x 4 x .41			15 x 4 x 4 x .41			15 x 4 x 4 x .41			✓	✓				
acing of Longitudinals		Amidships 31			At Ends...			31			At Ends...			✓	✓				
Transverses.														Rivets in Lugs to Shell					
Bridge		Depth and Thickness 21 x .38						21 x .38						✓	✓				
on Decks		Face Angles 3 1/2 3 1/2 .40						3 1/2 3 1/2 .40						✓	✓				
		Lugs to Shell* 3 3 .38						3 3 .38						7/8	4 1/2 DIAS				
In		Depth and Thickness 23 x .40			ru plan 18 x .40			23 x .40			ru plan 18 x .40			✓	✓				
'tween		Face Angles 3 1/2 3 1/2 .40			3 1/2 3 1/2 .44			3 1/2 3 1/2 .40			3 1/2 3 1/2 .44			✓	✓				
ecks.		Lugs to Shell* 3 1/2 3 .40			3 1/2 3 1/2 .40			3 1/2 3 .40			3 1/2 3 1/2 .40			7/8	4 1/2 DIAS				
CARGO		Depth and Thickness 36 x .46			33 x .42 FORD 33 x .48			36 x .46			33 x .42 FORD 33 x .48			✓	✓				
TANKS		Face Angles 7 3 1/2 .50			5" flange 10 x 3 1/2 x 68 BA			7 3 1/2 .50			5" flange 10 x 3 1/2 x 68 BA			✓	✓				
Hold.		Lugs to Shell* 6 6 .46			6 x 6 x 4 1/2 6 x 6 x 4 1/2			6 6 .46			6 x 6 x 4 1/2 6 x 6 x 4 1/2			7/8	4 1/2 DIAS				
not give		" " Back Bars 3 1/2 3 1/2 .40			3 1/2 3 1/2 .40			3 1/2 3 1/2 .40			3 1/2 3 1/2 .44			✓	✓				
		Brackets 6 6 .44			.42 FORD .48			.44			.42 FORD .48			✓	✓				
ing of Transverse Frames		9' 4 1/2" x 7' 9 3/4"						9' 4 1/2" x 7' 9 3/4"						✓	✓				
er Capacity.																			
Tons.																			
211																			
25																			
712																			