

STEEL STEAMER or MOTORSHIP.

Received at London Office 10 SEP 1935

State if Report has been sent on the Freeboard of the Vessel

State if Report is sent on the Machinery of the Vessel

Date of completion of report

Survey held at

Date First Survey

Port of

No.

On the

State Type

State Type of Erections

TONNAGE under
Tonnage Deck

CLASS

State if with freeboard
as condition of Class

Built at

Do. of space or spaces
between Tonnage Dk.
and Upper Dk.Length from fore part of stem to after part of stern
post on summer L.W.L. See Sec. 3 (1a)

FEET.

Launched

Total

Gross Tonnage

Register Tonnage

Breadth (greatest moulded)

Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c)

1st Longitudinal Number (L x D)

2nd Numeral L x (B + D)

Framing Depth "d," at middle of length. See
Sec. 3 (1d)Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keelDo. Long Bridge to top
of keel

Draught Moulded

Builders

Owners

Manager

Residence

Port of Registry

If surveyed while building, afloat, ² in dry dock

FRAMES, DOUBLE BOTTOM AND BEAMS.

	8 mm. INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		8 mm. INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	Longitudinal		Bracket Floors, Frame		
" " from $\frac{3}{4}$ length to Collision bulkhead	framing		" " Reversed Frame		
" " in peaks	24		" " Vertical Struts		
" " " D.B. under motor room	30		Centre Girder, depth and thickness amidships	60 54 46	
IDE FRAMING. " Deep tanks fwd.	27		" " top Angles	90 90 12.5	
Frame Amidships, Angle, [or]	See Rpt. 1*		" " bottom Angles	150 150 14	
" " Extends up to			" " bottom Angles	130 130 14	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	3 42	
" " Extends up to			" " + 1/2 hgt. m. eng.	54	
Depth of Framing Girder			Margin Plate depth (excl. of flange) and thickness	Tank Top Level	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]			" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem		
" " Second 'tween Decks, Angle, [or]			" " Vertical Angle to Tank side Bracket forward $\frac{1}{2}$ len. from stem		
" " Third " " " "	150 150 12.5		" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem		
Framing in Peaks, Angle [or]	200 90 12.5		" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem		
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	See Rpt. 1*		Tank Side Brackets, height above base line at toe of Frame and thickness		
State if Frame Joggled	Yes		INNER BOTTOM PLATING, Motor Space		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	As per appr. plan.		Breadth and thickness of Middle Line Strake	69 1/2 52	
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars	As per appr. plan.		Thickness of remainder in Hold, Motor Space	52	
SINGLE BOTTOM.			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Tankers and Boiler Room	Yes	
Floors, Depth and thickness at mid-line in Holds			BEAMS.		
Height of Brackets at side above base line at toe of frame			Uppermost Continuous Deck, amidships		
Middle Line Keelson, on Floors, Angles, [or]			" " in Wells, Angle, [or]		
" " Through Plate or Intercostal Plate			" " in way of Bridge, Angle, [or]		
" " Foundation Plate on Floors			Spacing	200 75 10	
" " Flat Plate Keel Angles			Second Deck, amidships, Angle, [or]	230 90 12.5	
Side Keelsons, No. each side			Spacing	280 90 13.5	
" " thickness of Intercostal Plate			Third Deck, amidships, Angle, [or]		
" " Angles			Spacing		
DOUBLE BOTTOM, in Motor Space.			Fourth Deck, amidships, Angle, [or]		
Solid Floors, thickness and spacing	42 30		Spacing		
" " Are Frame and Reversed Frame joggled?	Yes		Poop Deck, Angle, [or]		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			Bridge Deck, Angle, [or]		
			Spacing		
			Forecastle Deck, Angle, [or]		
			Spacing		

PILLARS AND DECKS.

	mm. 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	<i>as per approved plans.</i>								
<i>in 'tween Decks Size and Spacing</i>					Stringer Plate, breadth and thickness in way of Bridge				
<i>E bulkhead stiffeners no. 1-2</i>	230	90	11	✓	Thickness of Plating abreast Deck openings <i>in way of Wells</i>	45	✓		
" " " " " 2A-4	250	90	11	✓	under bottom plating Thickness of Plating abreast Deck openings in way of Bridge	52	✓		
" " " " " 5-6	280	90	12	✓	Thickness of Plating within line of openings...				
" <i>in Holds</i> " " 7	280	90	13	✓	If Sheathed, material and thickness				
" " " " " 8	300	90	13	✓	Third Deck.				
" " " " " 9 & 12	300	90	13.5	✓	Stringer Plate, breadth and thickness.....				
Centre Line Bulkhead.	"	10	300	90	14.5	✓			
Stiffeners and Spacing	49	44	41	✓	If Plated, state thickness.....				
Plating, thickness of	38	39	42	✓	Fourth Deck.				
STRINGERS AND DECKS.					Stringer Plate, breadth and thickness.....				
Uppermost Continuous Deck.					If Plated, state thickness				
Stringer Plate, breadth and thickness in Wells	83	67	✓		Poop Deck.				
" " " " <i>in way of Bridge</i>	83	77	✓		Stringer Plate, breadth and thickness	38-46	37	✓	
" <i>Angle in Wells</i>	150	150	17.5	✓	Plating, Sheathing, material and thickness	28	32	✓	
Thickness of Plating abreast Deck openings in way of Wells	67	✓			Bridge Deck.				
Thickness of Plating abreast Deck openings in way of Bridge	67	50	✓		Stringer Plate, breadth and thickness.....	72	43	✓	
Thickness of Plating within line of openings...	50	✓			Plating, Sheathing, material and thickness	28	34	✓	
If Sheathed, material and thickness					Forecastle Deck.				
Second Deck.					Stringer Plate, breadth and thickness.....	37	✓		
Stringer Plate, breadth and thickness in Wells...	63 1/2	45	✓		<i>under windlass</i>	56	✓		
					Plating, Sheathing, material and thickness	36	✓		

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			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. mm.	Inches. mm.		Inches. mm.	Inches. mm.		
FLAT PLATE KEEL	50 1/2	1.01	94-80	94-80	✓	Double	28	115	Three	28	115	Dbl. Straps	
" DBLG. (if any)													
BOTTOM PLATING, No. of Strakes 4.....	76 1/4	.60	76-52	50-67	✓	}	22	90	Four	22	90	Lapped	
BILGE PLATING, No. of Strakes 1.....	70 1/8-81 3/4	.65	76-52	50-67	✓		22	90	"	22	90	"	
SIDE PLATING, No. of Strakes 4.....	75 1/2	.66	.54		✓		22	80	"	22	90	✓	
UPPER DECK, Sheer-strake in Wells.....	51-81 1/2	.62	.48	47-67	✓		22	80	"	22	90	✓	
UPPER DECK, Sheer-strake in Bridge & Poop front	66 1/2-71	.92	.52-68	56-48	✓	"	25	90	Three	25	100	Dbl. Straps	
STRAKE BELOW Sheer-strake in Wells.....	70 1/2	1.09			✓	"	25	90	"	28	115	"	
STRAKE BELOW Sheer-strake in Bridge	69	.78	.56-68	50-48	✓	"	25	90	Four	25	100	Lapped	
POOP SIDE PLATING				40-44-48	✓	Dbl. front Single	19	75	Five One	19	65	"	
BRIDGE SIDE PLATING ...	43-51	✓			✓	"	22	90	Five	22	80	✓	
FOREC'TLE SIDE PLATING			43	✓		"	19	75	One	19	65	✓	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel —	16
Extending to Upper Deck (Sec. 3 c)	10 (at ship's sides)
" Deck next below	6 (" " ")
As per Rule	✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM				
STERN FRAME { Propeller Post	Cast	As per		
{ Rudder "	Steel	Appr. plan.		
RUDDER—A x D x L		20 x 20		
Speed of Vessel		12 knots		
RUDDER main piece at head ...		Forg. 335 mm.		
" " heel ...	cast	select.		
" how constructed	steel plate	welded		
" double or single plate		13 mm.		
" coupling, vertical or horizontal		Horizontal		

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<i>Summer tanks</i>					
MIDSHIP BULKHEAD, Upper 'tween decks	34-36	One nrb	165 x 75 x 10.5	✓	
<i>Invd. Cofferdam</i>	37-55	Five nrb	180 x 75 x 9.5	✓	
" " Second "	37-55	Five nrb	180 x 75 x 10.5	✓	
" " Third "	49-44-41	Five nrb	300 x 90 x 14.5	✓	
" " Holds	38-36-37	✓	180 x 75 x 10.5	✓	
COLLISION (in Hold)	29-51	865	15 x 41 x 4 x 62	✓	
AFTER PEAK	43-64	760	280 x 90 x 12.5	✓	
	33-30	610	165 x 75 x 8.5	✓	

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	Open hearth process.
	Guthhoffnungsmühle (Wabervorke Oberhausen), Mannesmannröhren-Werke, Abg. Thümmen, Vermingte Hühnerwerke - Werke Hörde,	
	Has the Steel been tested as required by the Rules?	Yes.

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.)

Plans of the vessel as built, 2 in number, i.e. Midship Section, Profile and Plans are forwarded under separate cover.

The following approved plans are forwarded under separate cover (7/5 182 & 183):—

- Midship Section & O.T. transverse bulkheads.
- Profile and deck plans.
- Fore end sections.
- After end sections.
- Oil fuel bunker.
- Transverse in pump room.
- Section in way of bridge.
- Forward cofferdam bulkheads.
- Riveting of doublings at transverse O.T. bulkheads.

Other approved plans are common for 7/5 182, 183 and 184 and will be forwarded you with the first entry report on the 7/5 "ORION", Kockenrs yard No. 184.

Certificates:—

- ✓ Stern frame
- ✓ Rudder steel castings
- ✓ Rudder head, rudder pintles and nuts.
- ✓ Rudder quadrant, pinion and pinion shaft.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	HEADS	51.1.15 M.B. 4392 6-2-35	SHANKS	27.1.13 M.B. 1514 6-2-35
	2nd "		52.0.08 M.B. 4393 6-2-35		27.0.19 M.B. 1515 6-2-35
	3rd "		43.3.17 M.B. 4394 6-2-35		23.2.25 M.B. 1516 6-2-35
	Stream		22.1.00 M.B. 4395 6-2-35		

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 102.0 ft., R.Q.D. ✓ ft., Bridge 37.0 ft., Forecastle 40.9 ft.

(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 Stks. & web frames. ✓

Official No. : Signal Letters L J A G Is bottom of Vessel coated with cement ✓ if not give particulars of composition Cement in peaks, fore water tanks and in the well at after end of the motor space.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	24	147
Double bottom, under Engines and Boiler, Feed w. tank		68	After peak tank,	21	168
Double bottom, under Engines only, Inbr. oil tank	69	26	Deep tank, aft, Cross bunker & wing tanks.	10	453
Double bottom, under Boilers only, Oil fuel		92	Deep tank, forward,	36	535
Double bottom, forward,			Other tanks, if fitted,		
Total capacity of double bottom		786	(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. 67

Date

4th Jan. 1934

Dates of Surveys held while building

12/11, 21/11, 30/11, 6/12, 21/12, 10/12, 11/12, 17/12, 18/12, 19/12, 20/12, 21/12, 22/12, 23/12, 24/12, 25/12, 26/12, 27/12, 28/12, 29/12, 30/12, 31/12, 1/1, 2/1, 3/1, 4/1, 5/1, 6/1, 7/1, 8/1, 9/1, 10/1, 11/1, 12/1, 13/1, 14/1, 15/1, 16/1, 17/1, 18/1, 19/1, 20/1, 21/1, 22/1, 23/1, 24/1, 25/1, 26/1, 27/1, 28/1, 29/1, 30/1, 31/1, 1/2, 2/2, 3/2, 4/2, 5/2, 6/2, 7/2, 8/2, 9/2, 10/2, 11/2, 12/2, 13/2, 14/2, 15/2, 16/2, 17/2, 18/2, 19/2, 20/2, 21/2, 22/2, 23/2, 24/2, 25/2, 26/2, 27/2, 28/2, 29/2, 30/2, 31/2, 1/3, 2/3, 3/3, 4/3, 5/3, 6/3, 7/3, 8/3, 9/3, 10/3, 11/3, 12/3, 13/3, 14/3, 15/3, 16/3, 17/3, 18/3, 19/3, 20/3, 21/3, 22/3, 23/3, 24/3, 25/3, 26/3, 27/3, 28/3, 29/3, 30/3, 31/3, 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 8/4, 9/4, 10/4, 11/4, 12/4, 13/4, 14/4, 15/4, 16/4, 17/4, 18/4, 19/4, 20/4, 21/4, 22/4, 23/4, 24/4, 25/4, 26/4, 27/4, 28/4, 29/4, 30/4, 31/4, 1/5, 2/5, 3/5, 4/5, 5/5, 6/5, 7/5, 8/5, 9/5, 10/5, 11/5, 12/5, 13/5, 14/5, 15/5, 16/5, 17/5, 18/5, 19/5, 20/5, 21/5, 22/5, 23/5, 24/5, 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PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.					
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.		Rivets in Bulkheads.	
		Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Diam.	Spong.	at Transv.	at Bulkheads.	Number.	Spacing.	
Framing of \perp , \angle and \square		Inches for \perp			Rivets angles.			Inches for \perp			Rivets angles.			19		115			
Frames in Bridge 'tween Decks ...		165	75	9.5	165x75x8 FCLE.			165	75	9.5	165x75x8 FCLE.								
Frames from Uppermost Continuous Deck		230	90	11	180x90x9.5 A			230	90	11	180x90x9.5 A								
32"		230	90	11	180x90x9.5 F			230	90	11	180x90x9.5 F								
" 2		230	90	11	180x90x10 A			230	90	11	180x90x10 A								
" 3		250	90	12	180x90x10 F			250	90	12	180x90x10 F								
" 4		280	90	12	180x90x11 A			280	90	12	180x90x11 A								
" 5		280	90	12	200x90x10.5 A			280	90	12	200x90x10.5 A								
30"		280	90	14	180x90x10 F			280	90	14	180x90x10 F								
" 6		300	90	13	230x90x11 A			300	90	13	230x90x11 A								
" 7		300	90	13.5	200x90x12 F			300	90	13.5	200x90x12 F								
" 8		300	90	15.5	230x90x12.5 A			300	90	15.5	230x90x12.5 A								
" 9		12x50x4-4x62			250x90x11 A			12x50x4-4x62			250x90x11 A								
" 10		15x41x4-4x62			280x90x12 A			15x41x4-4x62			280x90x12 A								
" 11		17x48x4-4x68			250x90x12 F			17x48x4-4x68			250x90x12 F								
" 12		17x57x4-4x68			280x90x12 A			17x57x4-4x68			280x90x12 A								
" 13		17x48x4-4x68						17x48x4-4x68											
" 14-19		15x57x4-4x62						15x57x4-4x62											
" 20-23		15x48x4-4x62						15x48x4-4x62											
" 24-26		See above			Same as amidships			Longitud. 12-E			Transv. 68-71								
Spacing of Longitudinal Frames		Amidships			At Ends														
Tank Top Longitudinals					200	90	11.5				200	90	11.5						
F.P.T. Bottom					180	90	11.5				180	90	11.5						
Spacing of Longitudinals		30"			30"														
Transverses.		Inches for PL, mm. for F			Inches for PL, mm. for F			Inches for PL, mm. for F			Inches for PL, mm. for F			Rivets in Lugs to Shell					
Depth and Thickness		24"-30"x38"			18x38 POOP			24"-30"x38"			18x38 POOP								
Face Angles		Hgd. 3"			21x38 FCLE			Hgd. 3"			21x38 FCLE								
Lugs to Shell*		90 90 9.5			Hgd. 3" POOP			90 90 9.5			Hgd. 3" POOP								
Depth and Thickness		30"x40"			75x75x9.5 POOP			30"x40"			75x75x9.5 POOP								
Face Angles		90x90x10			75x75x10 FCLE			90x90x10			75x75x10 FCLE								
Lugs to Shell*		90x90x10			24x40 A			90x90x10			24x40 A								
Depth and Thickness		76"x48"			90x90x10 A			76"x48"			90x90x10 A								
Face Angles		48-66x48			Hgd. 3" F			48-66x48			Hgd. 3" F								
Lugs to Shell*		150x90x11			90x90x10 A			150x90x11			90x90x10 A								
Depth and Thickness		150x90x10			30x50 A			150x90x10			30x50 A								
Face Angles		150x150x12			30x40 F			150x150x12			30x40 F								
Lugs to Shell*		90x90x12			150x90x11 F			90x90x12			150x90x11 F								
Back Bars ...					150x150x12.5 A						150x150x12.5 A								
Brackets					7'-6" to 10'-0" A						7'-6" to 10'-0" A								
Spacing of Transverse Frames		9'-13'-9"			6'-9" " 11'-3" F			9'-13'-9"			6'-9" " 11'-3" F								
Longitudinal Beams of L, L or C		150	75	8	150x75x8 A			150	75	8	150x75x8 A								
Bridge Deck ...		230	90	11	165x75x9 F			230	90	11	165x75x9 F								
Upper		250	90	11	165x75x9.5 A			250	90	11	165x75x9.5 A								
Second POOP & FCLE		230	90	11.5	165x75x9 F			230	90	11.5	165x75x9 F								
Third					150x75x8						150x75x8								

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.

1m.10.20. T.C. Note:—Scanlings at ends (P.E.F.) are in way of motor space and hold forward.

Double bottom, aft,

Double bottom, under Engines and Boiler Feed w. tank

Fore peak tank,

After peak tank,

0104 3/3

Feet

24

Tons

147

11.8