

STEEL STEAMER ~~OR MOTORSHIP.~~

3 JUL 1930

Received at London Office

State if Report has been sent on the Freeboard of the Vessel YES.State if Report is sent on the Machinery of the Vessel FROM HARTLEPOOL.Date of completion of report 2nd July 1930Port of SUNDERLANDNo. 30403Survey held at SUNDERLANDDate First Survey 5th Dec. 1929Last Survey at Hartlepool 19On the (State if ~~Motorship~~ and if Single, Twin or Triple Screw) SINGLE SCREW "THETIS"State Type (Full Classification Complete Superstructure with Tonnage Opening) COMPLETE SUPERSTRUCTURE WITH TONNAGE OPENING AFT. State Type of Erections FORECASTLE.TONNAGE under Tonnage Deck... 3832.34CLASS 100A1.State if with freeboard as condition of Class YES.Built at SUNDERLAND

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) L 390.00Launched 14th MAY 1930 Yard No. 1037Breadth (greatest moulded) B 53.54Builders WM GRAY & CO LD

Total

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 33.708Owners E. HADJILIAS.Gross Tonnage 4122.541st Longitudinal Number (L x D) = 13146.10

Managers

(Where necessary to be entered in Reg. Book.)

Register Tonnage 2462.162nd Numeral L x (B + D) = 34026.70Residence LONDON

REGISTERED DIMENSIONS.

FEET.

Length 390.70Framing Depth "d," at middle of length. See Sec. 3 (1d) 22.25Breadth 53.75Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.57Depth 23.30Do. Long Bridge to top of keel 23.03 1/4

If surveyed while building, afloat, or in dry dock

BUILDING & AFLOAT.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	27"		Bracket Floors, Frame (N.B.S.) <u>B.A.</u>	6 3 1/2 3/4	
" " from 1/2 length to Collision bulkhead.....	24 1/2"		" " Reversed Fram (N.B.S.) <u>B.A.</u>	5 1/2 3 3/4	
" " in peaks.....	24"		" " Vertical Struts (N.B.S.) <u>B.A.</u>	9 x 3 1/2 x 3 1/2 x 38	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	4 1/2 x 54	
Frame Amidships, Angle, E or [(N.B.S.)	12 3 1/2 45		" " top Angles <u>DOUBLE</u>	3 1/2 3 1/2 51	
" " Extends up to	2 nd DECK.		" " bottom Angles <u>DO</u>	4 4 57	
Reversed Frame Amidships, Angle	—		Side Girders, No. each side and thickness	ONE 40"	
" " Extends up to...	—		Margin Plate depth (excl. of flange) and thickness	42 x 51	
Depth of Framing Girder	12"		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem <u>SINGLE</u>	3 1/2 3 1/2 42	
Frames in Uppermost Continuous 'tween Decks, Angle, E or [(N.B.S.)	6 3 1/2 34 7 3 1/2 39		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem <u>DOUBLE</u>	4 3 1/2 42	
" " Second 'tween Decks, Angle, E or [—		" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	30 x 40 CONTINUOUS 30 x 30 x 40	APP 2
" " Third " " " "	—		" " Gussets, spacing and scantling forward 1/2 len. from stem.....	44 x 40 50	
Framing in Peaks, Angle or [(N.B.S.)	7 3 1/2 39		Tank Side Brackets, height above base line at toe of Frame and thickness	65 1/2 x 45	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" SPACED 5 1/4		INNER BOTTOM PLATING.		
State if Frame Joggled	YES		Breadth and thickness of Middle Line Strake ..	68 1/2 x 50 - 42	51 1/2 x 50 - 42
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	(N.B.S.) 15 x 4 x 4 x 42 CHANNEL FRAMES 4 INTER-STRINGERS 6 x 3 1/2 x 40 - 40" PLATE.		Thickness of remainder in Holds	42 - 38"	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	SINGLE FRAMES 5 x 5 x 42" DOUBLE RIVETED ADDITIONAL INTERCOSTALS, MID-SHIP THICKNESS OF BOTTOM PLATING TO COLL. BULK		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?.....	YES	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships	7 3 1/2 39	
Height of Brackets at side above base line at toe of frame			(N.B.S.) in Wells, Angle, E or [AND AS PER PROFILE.	
Middle Line Keelson, on Floors, Angles, [or E			" " in way of Bridge, Angle, E or [27"	
" " Through Plate or Intercostal Plate...			Spacing		
" " Foundation Plate on Floors			Second Deck, amidships, Angle, E or [(N.B.S.)	7 3 41	
" " Flat Plate Keel Angles			Spacing.....	27"	
Side Keelsons, No. each side			Third Deck, amidships, Angle, [or E		
" " thickness of Intercostal Plate...			Spacing.....		
" " Angles			Fourth Deck, amidships, Angle, [or E		
DOUBLE BOTTOM.			Spacing.....		
Solid Floors, thickness and spacing	40 sp. 54, 27 x 24 1/2		Poop Deck, Angle, E or [.....		
" " Are Frame and Reversed Frame joggled?.....	YES		Spacing.....		
Bracket Floors, breadth and thickness at middle line	2' 7 1/2" x 40"		Bridge Deck, Angle, E or [.....		
" " breadth and thickness at margin plate.....	2' 6" x 40"		Spacing		
			Forecastle Deck, Angle, E or [(N.B.S.)	10 3 1/2 50 9 3 1/2 44	
			Spacing	49 x 48	

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 AT ENDS	85" x 34"
" in 'tween Decks ^{AFT} Size and Spacing.....	27/8 SP. 4LT. BEAMS.		Thickness of Plating abreast Deck openings in way of Wells	64" 60" 43" 35"
" " " " " ^{FOR} FOCLE SPACE	27/8 DO DO		Thickness of Plating abreast Deck openings in way of Bridge	—
C.L. BKH ^{IN TWEEN DKS} " " " " STIFFS.	26 } AND AS APP ^r		Thickness of Plating within line of openings...	33" - 30"
Centre Line Bulkhead.	6 3 34		If Sheathed, material and thickness	—
Stiffeners and Spacing ^{IN HOLDS (NBS)}	4 1/2 3 34 } AND AS APP ^r		Third Deck.	
Plating, thickness of	11 x 3 1/2 x 58 BA } TO 6 x 3 x 36 BA } APP ^r		Stringer Plate, breadth and thickness.....	
STRINGERS AND DECKS.	30		If Plated, state thickness.....	
Uppermost Continuous Deck.			Fourth Deck.	
Stringer Plate, breadth and thickness in Wells	7 1/2" x 58" 7 1/2" x 53" APP ^r		Stringer Plate, breadth and thickness.....	
" " " " " ^{AT ENDS} in way of Bridge	38" x 42"		If Plated, state thickness	
" Angle in Wells	5" 5" 53" APP ^r		Poop Deck.	
Thickness of Plating abreast Deck openings in way of Wells	69" 58" 52" 46" 63" 53" 47" 42" APP ^r		Stringer Plate, breadth and thickness	
Thickness of Plating abreast Deck openings in way of Bridge	—		Plating, Sheathing, material and thickness ...	
Thickness of Plating within line of openings...	42" - 37" AFT 34" FOR ^r 38" - 34" APP ^r		Bridge Deck.	
If Sheathed, material and thickness	—		Stringer Plate, breadth and thickness.....	
Second Deck.			Plating, Sheathing, material and thickness ...	
Stringer Plate, breadth and thickness in Wells...	54" x 43" 49 1/4" x 43" APP ^r		Forecastle Deck.	
			Stringer Plate, breadth and thickness.....	35" x 35"
			Plating, Sheathing, material and thickness ...	40" x 30" P.P. 2 1/2"

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? NO			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing or, to or.		Diam.	Spacing or, to or.	
	Inches.	Inches.	Inches.	Inches.								
FLAT PLATE KEEL	50½	.72"	.64	.64		DOUBLE	7/8	3½	4-3	7/8	3½	LAPPED.
„ DBLG. (if any)												
BOTTOM PLATING, No. of Strakes ...	83	.56	.56	.48	STEM PLATES 51"	DOUBLE	7/8	3½	3	7/8	3½	LAPPED.
BILGE PLATING, No. of Strakes ...	83	.56	.48	.48		DO	7/8	3½	3	7/8	3½	DO
SIDE PLATING, No. of Strakes ...	80	.56	.46	.46		DO	7/8	3½	3	7/8	3½	DO
UPPER DECK, Sheer-strake in Wells	85	.65	.46	.46		DO	7/8	3½	4-3	7/8	3½	DO
UPPER DECK, Sheer-strake in Bridge ...												
STRAKE BELOW Sheer-strake in Wells	84	.60	.46	.46		DOUBLE	7/8	3½	4-3	7/8	3½	LAPPED.
STRAKE BELOW Sheer-strake in Bridge ...												
POOP SIDE PLATING												
BRIDGE SIDE PLATING ...												
FOREC'TLE SIDE PLATING			.39			SINGLE	¾	3	1	¾	2 5/8	LAPPED.

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)	1
„ Deck next below	5
As per Rule	6

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)	1				
" Deck next below	5				
As per Rule	6				

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD, Uppertween decks					
" " Second "					
" " Third "					
" " Holds					
		(N.B.S.)			
		10x32x46			
		B.A. 27"			
		44'-26"			
		53'-40'-29"			
		7x3x40" B.A. 3 SEMI-BOX BEAMS.			
		(N.B.S.) 24"			
		7x3x40" B.A. 1 SEMI-BOX BEAM.			
		(N.B.S.) 24"			

		Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar					
STEM		ROLLED STEEL.	9"x2½"	LANARKSHIRE STEEL CO	
STERN FRAME	Propeller Post	FORGING.	10"x79/16"	CENTRAL MARINE ENG.CO.	
	Rudder	DO	9"x75/16"		
RUDDER—A×D			396.85		
Speed of Vessel			10 2/3 KNOTS.		
RUDDER mainpiece at head		FORGING.	9 1/4"	C.M.E.CO.	
" " heel			7"		
" how constructed		FORGED WITH ARMS SHRUNK ON.			
" double or single plate		DOUBLE PLATES .50			
" coupling, vertical or horizontal		VERTICAL.			

© 2020

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). OPEN HEARTH PROCESS.
PLATES:- SOUTH DURHAM & DORMAN LONG.
ANGLES:- CARGO FLEET, DORMAN LONG, CONSETT IRON CO, SOUTH DURHAM & S. TYZACK & CO.
 Has the Steel been tested as required by the Rules? YES.

Lloyd's Register
Foundation

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 vessel has proceeded to West Hartlepool for completion & installation of machinery. To complete the survey on the hull the following remain to be done:—

The freeboard markings to cut on vessels' sides & verify. The decks, the bulwarks (except the collision & stowage hold), the tunnel & the W.T. doors to be hose tested. Steam & auxiliary steering gear to be examined & tried under working conditions. Scuppers in twelve decks & storm boards in tonnage openings to fit. Ash shoot to complete & test. The E.O.B. casings to rivet & caulk after installation of machinery.

The following ropes to be supplied to complete the Equipment:—

One 90 fathoms of $4\frac{3}{4}$ " stream wire.
" 120 " " $4\frac{3}{4}$ " towline.
Two 90 " " 3" wire hawser.
One 90 " " $2\frac{3}{4}$ " " "
Four 90 " " $8\frac{1}{2}$ " manilla
One 90 " " 7" "

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

1st Bower 36.0.21 - J.Q. - 425 - 29.3.30
2nd " 36.1.4 - M.B. - 4135 - 26.8.30
3rd " 31.3.18 - J.Q. - 427 - 29.8.30

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 34.5 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) 1 dls (stl) & shelter dls (stl)

Official No. : Signal Letters Is bottom of Vessel coated with cement Yes. if not give particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	127.75	393	Fore peak tank,	21.50	139
Double bottom, under Engines and Boilers,	—	—	After peak tank,	26.00	189
Double bottom, if under Engines only,	27.00	120	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward,	172.12	624	Other tanks, if fitted,	—	—
Total capacity of double bottom	326.87	1137	(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. *Apr*

Date *Sec. Ltr. 14.9.39*

Dates of Surveys held while building

1939. Dec. 5, 10, 12, 16, 18, 23, 31. 1930. Jan. 3, 7, 13, 16, 20, 21, 22, 23, 24, 29, 31. Feb. 3, 5, 7, 10, 12, 13, 14, 17, 18, 19, 20, 24, 25, 26, 27, 28. Mar. 1, 4, 5, 7, 12, 13, 17, 19, 20, 21, 24, 26, 28. Apr. 1, 3, 4, 7, 8, 9, 10, 11, 14, 15, 16, 23, 24, 28, 29, 30. May. 1, 2, 5, 6, 7, 8, 9, 12, 13, 14, 16, 19 & 75 also *C. L. Apr.*

Total No. of Visits