

## STEEL STEAMER or MOTORSHIP.

Received at London Office -2 JAN 1925

State if Report has been sent on the Freeboard of the Vessel Yes.State if Report is sent on the Machinery of the Vessel Yes.Date of completion of report January 1<sup>st</sup> 1925 Port of Middlesbrough No. 12198  
Survey held at Middlesbrough Date First Survey 14<sup>th</sup> July 1924 Last Survey January 1<sup>st</sup> 1925.On the Single Screw "HAMSTERLEY" machinery amidshipsState Type Full scantling State Type of Erections Peop. Bridge ForecastlesTONNAGE under 1853.11. CLASS + 100 A1. State if with freeboard No. Built at Middlesbrough  
Tonnage Deck... FEET.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 279.5 Launched October 15<sup>th</sup> 1924 Yard No. 800.Total Breadth (greatest moulded) B 41.25. Builders Messrs Smiths Dock Co. Ltd.Gross Tonnage 2159.51. Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 22.25 Owners The Hartley Steamship Co. Ltd.Register Tonnage 1261.00 1st Longitudinal Number (L x D) = 6218 Managers ✓2nd Numeral L x (B + D) = 17,748. (Where necessary to be entered in Reg. Book.)Framing Depth "d," at middle of length. See Sec. 3 (1d) 18' 11" Residence ✓Proportions—Depth to Length—Uppermost continuous deck to top of keel 12.56 Port of Registry NewcastleDo. Long Bridge to top of keel 9.47 If surveyed while building, afloat, or in dry dockDraught Moulded 19' 3 1/2" Yes

## 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.
Spacing amidships	26 1/2	✓	Bracket Floors, Frame	B. 9. 7 1/2 3 1/2 37	✓
" from 1/2 length to Collision bulkhead	26 1/2	✓	" " Reversed Frame	7 3 1/2 37	✓
" in peaks	24	✓	" " Vertical Struts	7 3 1/2 37	✓
AMING.			Centre Girder, depth and thickness amidships	35 1/2 x 45	✓
Amidships, Angle, E or [	9 1/2 3 1/2 44	✓	" " top Angles	5 5 42 1/2 42 1/2	✓
" Extends up to	Upper Br. Deck	✓	" " bottom Angles	5 5 42 1/2 42 1/2	✓
ed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	1 - 34	
" Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	75 x 48	+ 0.8
of Framing Girder	9 1/2	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	✓	
in Uppermost Continuous 'tween Decks, Angle, [ or [	✓		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	✓	
Second 'tween Decks, Angle, [ or [	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	✓	
Third " " "	✓		" " Gussets, spacing and scantling forward 1/2 len. from stem	✓	
in Peaks, Angle, [ or [	6 3 32	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	66 x 34	✓
er and Spacing of Rivets through Frame and Shell Plating amidships	7 1/2 - 6 apart	✓	INNER BOTTOM PLATING.		
Frame Joggled	No	✓	Breadth and thickness of Middle Line Strake	54 x 55	18 1/2 + 14
ARRANGEMENTS (Sec. 7), state system and particulars	2 Webs 21" x 42	✓	Thickness of remainder in Holds	53	+ 17
HENING OF BOTTOM FOR	5 x 5 x 34 frames	✓	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.	✓
State Particulars	Extra 1/2" intercostal	✓	BEAMS.		
OTTOM.			Uppermost Continuous Deck, amidships	8 3 36	✓
Depth and thickness at mid-line in Holds	✓		" " in Wells, Angle, E or [	8 3 36	✓
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, E or [	8 3 36	✓
Line Keelson, on Floors, Angles, [ or [	✓		Spacing	Every	✓
" " Through Plate or Intercostal Plate	✓		Second Deck, amidships, Angle, [ or [	✓	
" " Foundation Plate on Floors	✓		Spacing	✓	
" " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, [ or [	✓	
elons, No. each side	✓		Spacing	✓	
" thickness of Intercostal Plate	✓		Fourth Deck, amidships, Angle, [ or [	✓	
" Angles	✓		Spacing	✓	
BOTTOM.			Poop Deck, Angle, E or [	6 3 38	✓
Floors, thickness and spacing	34	✓	Spacing	alternate	✓
" Are Frame and Reversed Frame joggled?	Every 3'	✓	Bridge Deck, Angle, E or [	7 3 34	✓
at Floors, breadth and thickness at middle line	27 x 34	✓	Spacing	alternate	✓
" breadth and thickness at margin plate	42 x 34	✓	Forecastle Deck, Angle, E or [	8 1/2 3 46	✓
			Spacing	alternate	✓

W 415-0147 (115)



## 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</b> , No. of Rows.....	Gme	/	Stringer Plate, breadth and thickness in way of Bridge .....	-	
" Poop Deck in Tween Decks, Size and Spacing.....	25 alternate	/	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...	✓	
" " " " "	✓		If Sheathed, material and thickness .....	✓	
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of .....	✓		If Plated, state thickness.....	✓	
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	71" x .81.	✓	If Plated, state thickness .....	✓	
" " " " in way of Bridge	71" x .38.	✓	<b>Poop Deck.</b>		
" Angle in Wells .....	6 6 .58	✓	Stringer Plate, breadth and thickness .....	27 x .34	+ .03.
Thickness of Plating abreast Deck openings in way of Wells .....	.81	✓	Plating, Sheathing, material and thickness ...	30.5 x 2 1/2 P.P. 34 weate unsheathed	+ .04 ✓
Thickness of Plating abreast Deck openings in way of Bridge .....	.30	✓	<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	.35	✓	Stringer Plate, breadth and thickness.....	44 x .40	✓
If Sheathed, material and thickness .....	✓		Plating, Sheathing, material and thickness ...	30.5 x 2 1/2 P.P.	✓
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	✓		Stringer Plate, breadth and thickness.....	27 x .34	+ .02 ✓
			Plating, Sheathing, material and thickness ...	.34	✓

## SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>joggled.</i>			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 .....	45	.59	.55	.55	✓	Double	7/8	3 1/2	✓	3	7/8	3 1/2	Strapped.
„ DBLG. (if any)	✓	✓	✓	✓	✓								
BOTTOM PLATING, No. of Strakes .....	3	.50	.40	.42 .44 .42	✓	Double	7/8	3 1/2	✓	3	7/8 - 3/4	3 1/8 - 2 5/8	Strapped
BILGE PLATING, No. of Strakes .....	1	.51	.42	.44	+ .01.	„	3/4	3	✓	3	„ „ „ „	„	„
SIDE PLATING, No. of Strakes .....	2	.50	.40	.42	✓	„	7/8 + 3/4	3 1/2 + 3	✓	3	3/4	2 5/8	„
UPPER DECK, Sheer- strake in Wells.....	48	.60	.40	.40	✓	„	1 1/8 3/4	4 - 3 1/2 + 3	✓	3	7/8 - 3/4	3 1/8 - 2 5/8	„
UPPER DECK, Sheer- strake in Bridge ...	48	.50 goat ends			✓	„	1 1/4	4 - 3.	✓	3	1	3 1/2	„
STRAKE BELOW Sheer- strake in Wells.....	72	.51	.40	.40	✓	„	7/8 + 3/4	3 1/2 - 3	✓	3	3/4	2 5/8	„
STRAKE BELOW Sheer- strake in Bridge ...		.50			✓	„	1 1/4	4 - 3	✓	3	„	„	„
POOP SIDE PLATING .....				.33	✓	Single	3/4	3	✓	2	„	„	„
BRIDGE SIDE PLATING ...		.54			✓	Single	7/8	3 1/2	✓	3	7/8	3 1/8	„
FOREC'TLE SIDE PLATING			.35		✓	Single	3/4	3	✓	2	3/4	2 5/8	„

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c).

Deck next below.

As per Rule.

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKHD,</b>	Upper tween decks	✓				
"	Second "	✓				
"	Third "	✓				
"	Holds .....	✓	24.65 x 32.34	30"		
"			36-32	9 x 32 x 44	31"	
<b>COLLISION</b>	(in Hold) .....	✓	40-30	9 x 31 x 48	29.24"	As plan.
<b>AFTER PEAK</b>		✓	33-30	8 x 32 x 50	29.24"	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....	✓			
<b>STEM</b> .....	✓ Rolled Steel Bar	$7\frac{3}{4} \times 2\frac{1}{2}$		
<b>STERN FRAME</b> { Propeller Post .....	✓ Forging	$8\frac{5}{8} \times 5\frac{1}{2}$	J. S. Foster	
{ Rudder .....	✓	$7\frac{1}{8} \times 5\frac{1}{2}$		
<b>RUDDER—A × D</b> .....	✓	237		
<b>Speed of Vessel</b> .....	✓	10 knots		
<b>RUDDER</b> mainpiece at head .....	✓ Forging	$7\frac{1}{2}$	" "	
" " heel .....	✓	$5\frac{1}{2}$		
" " how constructed .....	✓	Arms at pintles		
" " <del>double or</del> single plate .....	✓	98.		
" " coupling, <del>vertical or</del> horizontal .....				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

✓ Dorman Honga Co Ltd, Siemens-Martin - Open Hearth.

Has the Steel been tested as required by the Rules?

Yes.



EQUIPMENT No. 18,518										LETTER 'S'	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.	Cwts.			
87158	1st Bower ...	38	3	24				35	2	2	0	38-3-0.	Hartshorn's F.W.G.	Hingley.	L.P.H.N. 3.10.24. H.G.
87159	2nd " ...	38	2	0				34	16	1	0	38-3-0.	"	"	" " H.G.
87157	3rd " ...	33	1	23				31	5	0	0	32-2-0.	"	"	" " "
	Collective weight.	110	3	19								110-0-0.	"	"	
87111	Stream .....	10	0	4	2	2	24	12	2	0	21	10-0-0.	"	"	" 4.9.24. L.L.W.

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate. Statutory.	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.			
	Length.	Diam.		Supplied.	Per Rule.			Length.	Diam.				Length.	Cir.		Length.	Cir.		
75714	120	1 1/2	13	59.2	82.15	200.2	0.	397	3/4	240	1 1/2	Steel Hingley L.P.H.N. 29.8.24.H.G.	90	4	33	90	4		
75710	120	"	"	"	"	201.0	0	"	"	"	"	" 28.8.24 "	20	90	2 1/2	12 1/2	20	90	2 1/2
75716	1 1/2	"	"	"	"	3.0	22	"	"	"	"	" 3.9.24 L.W.	20	90	2 1/2	9 1/2	20	90	2 1/2
75717	1 1/2	"	"	"	"	3.0	25	"	"	"	"	" 10.9.24 L.W.	20	90	2 1/2	9 1/2	20	90	2 1/2
Iron Stream Chain or Steel Wire	75	4 1/4		35				75	4 1/4										

Steering Gear, Steam Donkin, Vertical Steering Gear, Hand Yes

Boats 2 lifeboats, 1 Dinghy Steering Chains, Size and Test 1" dia 14 8.0.0 Windlass Emerson Walker

Ceiling in Holds, thickness and material Tank top increased in lieu Cargo Battens, thickness, material and spacing 6"x2" W.P. spaced 15"

Cargo Hatchways.-(Upper Deck) Steel plates & angles Thickness of Hatches 3"

Size of No. 1 Hatchway (Forward) 30'-11" x 28'-4" No. 2 31'-7 1/2" x 28'-4" No. 3 30'-11" x 28'-4" No. 4 35'-4" x 28'-4" No. 5 7'-3" x 28'-4" No. 6 Bunker

Number of Shifting Beams and/or Fore and Afters No 1-5; No 2-5; No 3-5; No 4-6; Bunker 1.

FOR SMITH'S DOCK COMPANY, L<sup>d</sup>

Builder's Signature Jwbairns Shipyard Manager.

GENERAL DECLARATION This vessel has been built in accordance with the approved plans and the revised Rules and Regulations of the Society for the class contemplated also the Secretary's Letter from Jan<sup>y</sup> 4<sup>th</sup> 1924 to Sep: 17<sup>th</sup> 1924.

The workmanship and materials are good.

The assigned freeboard has been cut in on the vessel's side and verified, all the double bottom tanks and Peak tanks tested under water pressure, The weather Decks, Bulkheads & Tunnel have tested and found satisfactory. W.Y. Doors & pump tested.

Steam steering gear connections, windlass, capstan & winches tested under steam.

A letter has been received from the builders stating that the Owner's consent has been received to the vessel being built under the Revised Rules.

Two forging certificates and 8 approved plans are attached. It is requested that these be returned for the sister ship building.

Plans (2) of midship Section and Profile as built are also forwarded.

Sister ship. S.S. "Hartley" Mdbro: Rpt: 12076.

The amount of Entry Fee ..... £ 6 : 0 : 0 Fees applied for, 31.12.1924

Special Survey Fee.... £ 183 : 0 : 0 Received by me, Freeboard 7:0:0

Travelling Expenses, if any £ - : : 12.1.25

I am of opinion the Vessel should be Classed + 100 R.1.

State whether the Vessel has been built under Special Survey Yes Signature Colin Bartlett

Certificate to be sent to Mdb. Date of issue 2/1/25 Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 2 JAN 1925

Character assigned 100A1

Lloyds A+B.P + Lmb 1.25

C.L.

My

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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.)

Approved plans:—Midship Section, Profile & Deck plans, Stern frame & Rudder, Pumping arrangements, Outline rigging, Stiffening in way of masts, Bulkhead 7b, Mast plan. Strengthening of double bottom forward

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

1st Bower 23.2.25. K.H. 3075 29.8.24.  
2nd „ 23.1.16. K.H. 3079 29.8.24.  
3rd „ 19.3.14. M.B. 2036 29.7.24

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop 27 ft., R.Q.D. — ft., Bridge 48.6 ft., Forecastle 25 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 D.F. STEEL.

Official No. ; Signal Letters Is bottom of Vessel coated with cement Yes.  
particulars of composition

**PARTICULARS OF WATER BALLAST.—**

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.
Double bottom, aft,	92.75.	250	Fore peak tank,	21.0.
Double bottom, under Engines and Boilers,	35.3.	112	After peak tank,	22.0.
Double bottom, if under Engines only,	✓		Deep tank, aft,	
Double bottom, if under Boilers only,	✓		Deep tank, forward,	
Double bottom, forward,	106.0	282	Other tanks, if fitted,	
	Total capacity of double bottom	644	(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. 1386

Date 29.2.24

Dates of Surveys held while building

1924 July 14. 15. Aug 4. 13. 14. 15. 25. 29. Sept. 3. 10. 12. 17. 19. 22. 23. 25. 30. Oct. 2. 4. 8. 13. 15. 24. 29. Nov 4. 13 Dec 24 (1925) Jan 1