

## STEEL STEAMER or MOTORSHIP.

Received at London Office 20 AUG 1924

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 *22nd August 1924* Port of *Middlesbrough* No. *12049*Survey held at *Middlesbrough* Date First Survey *13th March* Last Survey *9th August 1924*On the (State if Machinery Fitted Aft and) *Single Screw "STELLING"*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full Scantling* State Type of Erections *Poop-Bridge & Forecastle*TONNAGE under Tonnage Deck... *1853.11* CLASS *100 A.I.* State if with freeboard as condition of Class *Without* Built at *Middlesbrough*Do. of space or spaces between Tonnage Dk. and Upper Dk. *1000* Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *280.0* Launched *July 3rd 1924* Yard No. *796*Total Breadth (greatest moulded) *41.25* Builders *Messrs Smiths Dock Co. Ltd.*Gross Tonnage *2136.35* Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *22.25* Owners *Sharp Steamship Co. Ltd.*Register Tonnage *1236.83* 1st Longitudinal Number (L x D) = *6218* Managers *Sharp & Co.*

## REGISTERED DIMENSIONS.

Framing Depth "d," at middle of length. See Sec. 3 (1d) *18-11* Residence *Milburn House, Newcastle on Tyne*Length *280.0* Proportions—Depth to Length—Uppermost continuous deck to top of keel *12.6* Port of Registry *Newcastle.*Breadth *41.6* Do. Long Bridge to top of keel *19-3/4* If surveyed while building afloat, or in dry dock *yes.*Depth *20.1* Draught Moulded *19-3/4*

## 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.
<b>FRAMES, Spacing amidships</b> .....	<i>26 1/2</i>	<i>✓</i>	<b>Bracket Floors, Frame</b> .....	<i>7 1/2 3 1/2 37</i>	<i>✓</i>
" " from 1/2 length to Collision bulkhead.....	<i>26 1/2</i>	<i>✓</i>	" " Reversed Frame .....	<i>7 3 1/2 37</i>	<i>3" flange increased to 3 1/2</i>
" " in peaks.....	<i>24</i>	<i>✓</i>	" " Vertical Struts .....	<i>7 3 1/2 37</i>	<i>✓</i>
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b> .....	<i>35 1/2 x 45 37</i>	<i>✓</i>
Frame Amidships, Angle <i>E</i> or <i>C</i> .....	<i>9 1/2 3 1/2 46</i>	<i>528 S.P. R. Numbers 102</i>	" " top Angles <i>Single elsewhere</i> .....	<i>3 3 42</i>	<i>✓</i>
" " Extends up to .....	<i>Upper Bridge 24</i>	<i>✓</i>	" " bottom Angles <i>Double for 9 3/4 1 Single elsewhere</i> .....	<i>3 1/2 3 1/2 42</i>	<i>✓</i>
Reversed Frame Amidships, Angle .....			<b>Side Girders, No. each side and thickness</b> .....	<i>16 side 34 44.85</i>	<i>✓</i>
" " Extends up to...			<b>Margin Plate depth (excl. of flange) and thickness</b> .....	<i>75 x 6.25</i>	<i>✓</i>
Depth of Framing Girder.....	<i>9 1/2</i>	<i>✓</i>	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem .....	<i>40 F.S. 60 B.S.</i>	<i>✓</i>
Frames in Uppermost Continuous Decks, Angle, <i>E</i> or <i>C</i> .....			" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem .....	<i>✓</i>	<i>✓</i>
" " Second 'tween Decks, Angle, <i>E</i> or <i>C</i> .....			" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	<i>✓</i>	<i>✓</i>
" " Third " " " " .....			" " Gussets, spacing and scantling forward 1/2 len. from stem.....	<i>✓</i>	<i>✓</i>
Framing in Peaks, Angle or <i>C</i> .....	<i>6 3 32</i>	<i>✓</i>	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b> .....	<i>66 x 34 44.85</i>	<i>✓</i>
Diameter and Spacing of Rivets through Shell Plating .....	<i>7/8 dia 5 1/4 apart ? 6 1/8</i>	<i>✓</i>	<b>INNER BOTTOM PLATING.</b>		
State if Frame Joggled .....	<i>No</i>	<i>✓</i>	Breadth and thickness of Middle Line Strake .....	<i>54 1/2 x 6.25</i>	<i>✓</i>
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars .....	<i>27 Hols 21 x 42 2 Strips 30</i>	<i>✓</i>	Thickness of remainder in Holds .....	<i>6.25 57.85</i>	<i>✓</i>
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars .....	<i>5 x 5 x 34 frames 1 1/2 x 1 1/2 x 1/2 1/2 1/2</i>	<i>✓</i>	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? .....	<i>yes</i>	<i>✓</i>
<b>SINGLE BOTTOM.</b>			<b>BEAMS.</b>		
Floors, Depth and thickness at mid-line in Holds .....			Uppermost Continuous Deck, amidships in Wells, Angle, <i>E</i> or <i>C</i> .....	<i>8 3 36</i>	<i>✓</i>
Height of Brackets at side above base line at toe of frame .....			" " in way of Bridge, Angle, <i>E</i> or <i>C</i> .....	<i>6 3 38</i>	<i>✓</i>
Middle Line Keelson, on Floors, Angles, <i>E</i> or <i>C</i> .....			Spacing .....	<i>Every frame</i>	<i>✓</i>
" " Through Plate or Intercoastal Plate .....			<b>Second Deck, amidships, Angle, <i>E</i> or <i>C</i> .....</b>		
" " Foundation Plate on Floors .....			Spacing.....		
" " Flat Plate Keel Angles .....			<b>Third Deck, amidships, Angle, <i>E</i> or <i>C</i> .....</b>		
Side Keelsons, No. each side .....			Spacing.....		
" " thickness of Intercoastal Plate...			<b>Fourth Deck, amidships, Angle, <i>E</i> or <i>C</i> .....</b>		
" " Angles .....			Spacing.....		
<b>DOUBLE BOTTOM.</b>			<b>Poop Deck, Angle, <i>E</i> or <i>C</i> .....</b>	<i>6 3 38</i>	<i>✓</i>
Solid Floors, thickness and spacing .....	<i>6 7 1/2 apart 34 47.85</i>	<i>✓</i>	Spacing.....	<i>Alternate</i>	<i>✓</i>
" " Are Frame and Reversed Frame joggled? .....	<i>No</i>	<i>✓</i>	<b>Bridge Deck, Angle, <i>E</i> or <i>C</i> .....</b>	<i>7 3 34</i>	<i>✓</i>
Bracket Floors, breadth and thickness at middle line.....	<i>27 x 34 44.85</i>	<i>✓</i>	Spacing.....	<i>Alternate</i>	<i>✓</i>
" " breadth and thickness at margin plate.....	<i>42 x 34 44.85</i>	<i>✓</i>	<b>Forecastle Deck, Angle, <i>E</i> or <i>C</i> .....</b>	<i>8 1/2 3 46</i>	<i>✓</i>
			Spacing .....	<i>Alternate</i>	<i>✓</i>



## 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> <i>One</i>				
<i>Poop Forecastle</i> in 'ween Decks, Size and Spacing.....	<i>2 7/8 alternate</i>			
" " " " " "				
in Holds " "				
" " " " " "				
<b>Centre Line Bulkhead.</b>				
Stiffeners and Spacing.....				
Plating, thickness of .....				
<b>STRINGERS AND DECKS.</b>				
<b>Uppermost Continuous Deck.</b>				
Stringer Plate, breadth and thickness in Wells	<i>71 x 80</i>	<i>44</i>		
" " " " in way of Bridge	<i>71 x 90</i>	<i>38</i>		
" Angle in Wells .....	<i>6 6</i>	<i>58</i>		
Thickness of Plating abreast Deck openings } in way of Wells .....				
Thickness of Plating abreast Deck openings } in way of Bridge .....		<i>30</i>		
If Sheathed, material and thickness .....				
<b>Second Deck.</b>				
Stringer Plate, breadth and thickness in Wells...				
Stringer Plate, breadth and thickness in way of Bridge				
Plating, Sheathing, material and thickness .....				
If Sheathed, material and thickness .....				
<b>Third Deck.</b>				
Stringer Plate, breadth and thickness.....				
If Plated, state thickness.....				
<b>Fourth Deck.</b>				
Stringer Plate, breadth and thickness.....				
If Plated, state thickness .....				
<b>Poop Deck.</b>				
Stringer Plate, breadth and thickness .....	<i>27 x 34</i>	<i>4.03</i>		
Plating, Sheathing, material and thickness .....	<i>30 partly sheathed 5 x 2 1/2 PP</i>	<i>3 1/2 when exposed + .04</i>		
<b>Bridge Deck.</b>				
Stringer Plate, breadth and thickness.....	<i>44 x 40</i>			
Plating, Sheathing, material and thickness .....	<i>30 Sheathed 5 x 2 1/2 PP</i>			
<b>Forecastle Deck.</b>				
Stringer Plate, breadth and thickness.....	<i>27 x 34</i>	<i>4.02</i>		
Plating, Sheathing, material and thickness .....	<i>34</i>	<i>not sheathed + .04</i>		

## 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 .....	45	.59	.55	.55		Double	7/8	3 1/2	3	7/8	3 1/8	Lapped
„ DBLG. (if any)												
BOTTOM PLATING, No. of Strakes .....3.....		.50	.40 .40 .40	.42 .44 .42		Double	7/8	3 1/2	3	7/8 + 3/4	3 1/8 + 2 5/8	Lapped
BILGE PLATING, No. of Strakes .....1.....		.51	.42	.44	+ .01 amidships		3/4	3				
SIDE PLATING, No. of Strakes .....3.....		.55	.40 .40 .40	.42 .42 .40	+ .05 amidships		7/8 + 3/4	3 1/2 + 3		3/4	2 5/8	
UPPER DECK, Sheer- strake in Wells.....	48	.60	.40	.40			1 - 7/8 + 3/4	4 - 3 1/2 + 3		7/8 + 3/4	3 1/8 + 2 5/8	
UPPER DECK, Sheer- strake in Bridge ...		.50 .90 @ ends					1 + 3/4	4 + 3		1	3 1/2	
STRAKE BELOW Sheer- strake in Wells.....		.56			+ .01		7/8 + 3/4	3 1/2 + 3		3/4	2 5/8	
STRAKE BELOW Sheer- strake in Bridge ...		.55					1 + 3/4	4 + 3				
POOP SIDE PLATING .....				.33		Single	3/4	3	2	3/4	2 5/8	
BRIDGE SIDE PLATING ...		.54					7/8	3 1/2	Triple Riv.	7/8	3 1/8	
FOREC'TLE SIDE PLATING			.35				3/4	3		3/4	2 5/8	

## 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)		Four		Flat Plate Keel					
,, Deck next below		Four		Rotted Steel Bar		7 3/4 x 2 1/8		Industrial Steel Co. Sheffield	
As per Rule		Four		Stern Frame		8 5/8 x 5 1/2		Forging	
				Propeller Post		7 5/8 x 5 1/2		Sunderland	
				Rudder		237		10 knots	
RUDDER—A x D				RUDDER mainpiece at head		7 1/4		S.S. Forging	
Speed of Vessel				,, heel		5 1/2		Sunderland	
,, how constructed				,, double or single plate		Forged scrap iron, Arms & Co. Ltd.		98	
,, coupling, vertical or horizontal									
STEEL.									
Manufacturer's name or trade mark of the Steel used in the construction of the Vessel (state process of manufacture)									
Dorman Long & Co. Ltd. Siemens Martin (Open Hearth)									
Has the Steel been tested as required by the Rules?									
Yes									



EQUIPMENT No. 18578												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.				
86863	1st Bower ...	40	1	14	26	2	10	36	0	2	14	38-3-0	Hartshorn's Patent	R. Hingley & Sons	L.P.H.N. 2-5-24 H. Green.
86865	2nd „ ...	39	1	0	26	1	10	35	5	2	14	38-3-0	—	—	—
86864	3rd „ ...	32	2	8	20	0	22	30	11	3	14	32-2-0	—	—	—
	Collective weight.	112	0	22								110-0-0			
86866	Stream .....	10	0	5	2	2	16	12	2	0	21	10-0-0	Ordinary	—	—

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.		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.	Statutory.	Break-ing.	Supplied.	Per Rule.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.									
77537	120	1 13/16	59 1/8	62 3/4	200-0-16		397-3-0	240	1 1/16	Standard	H. Hingley & Sons	L.P.H.N. 2-5-24 H. Green	TOWLINE...	Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
77540	120	1 1/16			199-0-17									60	2 1/2	12 1/2	20	2 1/2	
Stream Chain or Steel Wire	75	1 1/4	35		399-1-4									20	2 1/4	9 1/2	20	2 1/4	

Steering Gear, Steam *Douglas (vertical)* Steering Gear, Hand *Yes (Westmor Eng<sup>y</sup> Co)*

Boats *2 Lifeboats 22'0" x 16'0" Singly 16'0"* Steering Chains, Size and Test *1 dia<sup>y</sup> test 14-8-0-0* Windlass *Emmerson Walker*

Ceiling in Holds, thickness and material *Lank 2 1/2 inches in line* Cargo Battens, thickness, material and spacing *6x2 H.P. spaced 15"*

Cargo Hatchways.—(Upper Deck) *Steel plates & angles* Thickness of Hatches *3" H.P.*

Size of No. 1 Hatchway (Forward) *30'11" x 22'0"* No. 2 *31'7 1/2" x 28'4"* No. 3 *30'11" x 28'4"* No. 4 *25'4" x 22'0"* No. 5 No. 6

Number of Shifting Beams and/or Fore and Afters *N-1 = 5 Webs, N-2 = 5 Webs, N-3 = 5 Webs, N-4 = 6 Webs.*

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

Builder's Signature

Shipyard Manager

#### GENERAL DECLARATION

This vessel has been built in accordance with the approved plans & the Revised Rules & Regulations of the Society for the class contemplated also the Secretaries letters from Jan<sup>y</sup> 4<sup>th</sup> to Aug<sup>st</sup> 8<sup>th</sup> 1924.

The Workmanship & Materials are Good.

The assigned Freeboard has been cut in on the vessels side & verified. Tested All the Double Bottom Tanks & Peak Tanks; Weather Decks, Bulkheads & Tunnel have been hose tested & found satisfactory. H.T. Doors examined & pump tried & found satisfactory. Steam Steering Gear & connections, Windlass & Winches tested under steam & found satisfactory. A letter has been received from Builders stating that the consent of the Owners has been received to the vessel being built under the Revised Rules.

3 Forging certificates & 9 approved plans are attached herewith & it is requested that the approved plans be returned for reference for sister vessels. Plans of Midship Section & Profile of vessel as built will be forwarded when received from Builders.

The amount of Entry Fee ..... £ 6 : 0 : 0 Fees applied for, 25.8. 1924

Special Survey Fee.... £ 181 : 16 : 0 Received by me, 24.8. 1924

Freeboard £ 7 - 0 - 0

Travelling Expenses, if any £ :

I am of opinion the Vessel should be Classed *100 A-1.*

State whether the Vessel has been built under Special Survey *Yes.*

Signature

*H.A. Brydon.*

Surveyor to Lloyd's Register of Shipping.

Certificates to be sent to *Middlesbrough*

Date of issue *2/9/24.*

Committee's Minute

TUES. 2 SEP 1924

Character assigned

*100 A-1*

FRI. 24 OCT 1924

FRI. 12 DEC 1924

*Lloyd's Reg. Co.*

*+ L.M.B. 8.24 C.L.*

*Wm. M. B.*



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Lloyd's Register Foundation

002119-002126-0062 2



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 & Decks, Stern Frame & Rudder, Pumping Plan, Outline Rigging Plan, Stiffening in way of Mast & Triches in way of Raised D<sup>st</sup> Stiffening of D<sup>st</sup> 76 Bulkhead.

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

1st Bower	24-1-7	D.D.W	4451	tested	18-1-21.
2nd "	24-0-7	"	4102	"	19-10-20.
3rd "	18-1-7	"	4600	"	11-3-21.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 27.05 ft., R.Q.D. ✓ ft., Bridge 48.58 ft., Forecastle 25.49 ft.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

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

One D<sup>st</sup> Steel

Official No. 148082

; Signal Letters

If bottom of Vessel has been coated Inside

yes

particulars of composition

Paint + cement + Bitumastic Solution.

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.		Water Capacity.	Where Fitted.	*Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	92.9	250		Fore peak tank,	21.0	160	
Double bottom, under Engines and Boilers,				After peak tank,	22.0	119	
Double bottom, if under Engines only,	17.8	56		Deep tank, aft,			
Double bottom, if under Boilers only,	17.8	56		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. 1383

Date 29.2.24

Dates of Surveys held while building

1924, Mar. 13, 17, 18, 19, 25, 26, 27, 31, Apr. 2, 4, 7, 8, 10, 15, 16, 17, 24, 29, May, 1, 5, 7, 12, 15, 17, 20, 23, 28, 30, June, 2, 4, 11, 12, 13, 16, 18, 23, 25, 27, 28, 30, July, 1, 3, 4, 9, 15, 21, 30, Aug. 6, 7, 8, 9

Total No. of Visits 52