

WRECK
SECTION
No. 8776

STEEL STEAMER MOTORSHIP

WRECK

Received at London Office 13 SEP 1930

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 September 8th 1930 Port of Sunderland No. 30455
Survey held at Sunderland Date First Survey Dec. 12th 1929 Last Survey Sept 13th 1930

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Single Screw "HARPENDEN" Machinery amidships

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full Scantling State Type of Erections T, B, & F

TONNAGE under 4,306.14 CLASS +100A1 State if with freeboard as condition of Class No. Built at Sunderland

Do. of space or spaces between Tonnage Dk. and Upper Dk. 1 Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 400.0 Launched July 29th 1930 Yard No. 270

Breadth (greatest moulded) B 54.25 Builders Messrs Bartram & Sons Ltd

Depth at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 27.08 Owners National Steamship Co Ltd

1st Longitudinal Number (L x D) = 10,832 Managers J. & C. Harrold & Co

2nd Numeral L x (B + D) = 32,532 (Where necessary to be entered in Reg. Book.)

REGISTERED DIMENSIONS. FEET. Framing Depth "d," at middle of length. See Sec. 3 (1d) 23.54 Residence Mark Lane, London

Proportions—Depth to Length—Uppermost continuous deck to top of keel 14.75 Port of Registry London

Do. Long Bridge to top of keel 11.24 If surveyed while building, afloat, & in dry dock Yes

Draught Moulded 23' 3 1/4

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.
FRAMES, Spacing amidships	27	✓	Bracket Floors, Frame	B.A. 6 3 1/2 34	✓
" " from 2/3 length to Collision bulkhead	27	✓	" " Reversed Frame	B.A. 5 1/2 3 34	✓
" " in peaks	24	✓	" " Vertical Struts	E 10 x 3 1/2 x 3 1/2 x 52	✓
DE FRAMING.			Centre Girder, depth and thickness amidships	4 1/2 x 50	✓
Frame Amidships, Angle E or F, N.B.S.	12 3 1/2 45	✓	" " top Angle	5 5 50	✓
" " Extends up to	Upper Deck		" " bottom Angle	6 6 54	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	1 - 38	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	34 x 48	✓
Depth of Framing Girder	12	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 1/2 3 1/2 40	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	✓		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	5 5 46	✓
" " Second 'tween Decks, Angle, E or F	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	6 3 1/2 46	✓
" " Bridge Third " " B.A. 6 1/2 3 1/2 42	✓		" " Gussets, spacing and scantling forward 1/2 len. from stem	5 5 50	✓
Framing in Peaks, Angle E or F	7 3 42	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	5 9 1/2 x 44	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 - 6	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	Yes		Breadth and thickness of Middle Line Strake	49 x 50	✓
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	3 Side Struts 19 1/2 x 44 4 15 x 44 x 41 Row 6 x 3 1/2 x 40	✓	Thickness of remainder in Holds	40	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Transverse bottom double 3 bottom strakes moulded between intercostal and side forward	✓	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	✓
ANGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓		Uppermost Continuous Deck, amidships in Wells, Angle E or F	7 3 1/2 35	✓
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle E or F	8 3 1/2 35	✓
Middle Line Keelson, on Floors, Angles, E or F	✓		Spacing	Every	✓
" " Through Plate or Intercostal Plate	✓		Second Deck, amidships, Angle, E or F	✓	✓
" " Foundation Plate on Floors	✓		Spacing	✓	✓
" " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, E or F	✓	✓
Side Keelsons, No. each side	✓		Spacing	✓	✓
" " thickness of Intercostal Plate	✓		Fourth Deck, amidships, Angle, E or F	✓	✓
" " Angles	✓		Spacing	✓	✓
DOUBLE BOTTOM.			Poop Deck, Angle E or F	7 1/2 3 38	✓
Solid Floors, thickness and spacing	38. Every 2'	✓	Spacing	Every	✓
" " Are Frame and Reversed Frame joggled?	Yes	✓	Bridge Deck, Angle E or F	9 3 1/2 38	✓
Bracket Floors, breadth and thickness at middle line	34 1/2 x 38	✓	Spacing	Every	✓
" " breadth and thickness at margin plate	31 x 38	✓	Forecastle Deck, Angle E or F	9 3 1/2 44	✓
			Spacing	alternate	✓

WRECK
SECTION
No. 8776

(see plans)

2020 Lloyd's Register Foundation

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.....	1		✓	Stringer Plate, breadth and thickness in way of Bridge	✓		
„ in 'tween Decks, Size and Spacing.....	C.L. Bulkhead Plating .32 SUG 5'3\"		✓	Thickness of Plating abreast Deck openings in way of Wells	✓		
„ „ „ „ „	C.L. BHD.		✓	Thickness of Plating abreast Deck openings in way of Bridge	✓		
„ in Holds „ „	C.L. BHD.		✓	Thickness of Plating within line of openings...	✓		
„ „ „ „ „	C.L. BHD.		✓	If Sheathed, material and thickness	✓		
Centre Line Bulkhead.	12'3\"			Third Deck.			
Stiffeners and Spacing.....	6'3\"		✓	Stringer Plate, breadth and thickness.....	✓		
Plating, thickness of .....	.38		✓	If Plated, state thickness.....	✓		
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....	✓		
Stringer Plate, breadth and thickness in Wells	72'x.91		+15	If Plated, state thickness	✓		
„ „ „ „ in way of Bridge	72'x.44		+07	Poop Deck.			
„ Angle in Wells	6 6 .78		✓	Stringer Plate, breadth and thickness	34'x.41		+07
Thickness of Plating abreast Deck openings in way of Wells .....	.86		+14	Plating, Sheathing, material and thickness .....	.26 3\"		P.P.
Thickness of Plating abreast Deck openings in way of Bridge .....	.41		+07	Bridge Deck.			
Thickness of Plating within line of openings...	.35		+03	Stringer Plate, breadth and thickness.....	70'x.62		+10
If Sheathed, material and thickness	✓		✓	Plating, Sheathing, material and thickness .....	.53		+05
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...	✓		✓	Stringer Plate, breadth and thickness.....	34'x.37		+03
				Plating, Sheathing, material and thickness .....	.37		+03

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	49	.74	.66	.66		Double	1	4	4	1	3 ³ / ₄	Snapped
„ DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
BOTTOM PLATING, No. of Strakes	4	.58	.46	.46		Double	7/8	3 ¹ / ₂	3	7/8	3	Snapped
BILGE PLATING, No. of Strakes	1	.58	.44	.46		Double	7/8	3 ¹ / ₂	3	7/8	3	do
SIDE PLATING, No. of Strakes	2	.58	.44	.44		Double	7/8	3 ¹ / ₂	3	7/8	3	do
UPPER DECK, Sheer-strake in Wells.....	50	.78	.44	.44		Double	1	3 ³ / ₄	4	1	3 ³ / ₄	do
UPPER DECK, Sheer-strake in Bridge ...	50	.58	✓	✓		Double	7/8	3 ¹ / ₂	3	7/8	3	do
STRAKE BELOW Sheer-strake in Wells.....	68	.67	.44	.44		Double	7/8	3 ¹ / ₂	3	7/8	3	do
STRAKE BELOW Sheer-strake in Bridge ...	68	.58	✓	✓		Double	7/8	3 ¹ / ₂	3	7/8	3	do
POOP SIDE PLATING .....		.38				Single	3/4	3	2	3/4	2 ⁵ / ₈	do
BRIDGE SIDE PLATING ...		.62	.56	.56		Double	7/8	3 ¹ / ₂	3	7/8	3	do
FOREC'TLE SIDE PLATING		.40				Single	3/4	3	2	3/4	2 ⁵ / ₈	do

WATERTIGHT BULKHEADS.

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

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	✓				
„ „ Second „	✓				
„ „ Third „	✓				
„ „ Holds .....	.45-.38	12'x3\"	46'x9 30	✓	
COLLISION „ (in Hold) .....	.55-.36	9'x3\"	44 24	✓	
AFTER PEAK „ „ .....	.38-.30	7 1/2'x2\"	30 24	✓	

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	✓	✓	✓	✓
„ { Rudder „	✓	✓	✓	✓
RUDDER—A x D	✓	✓	✓	✓
Speed of Vessel	✓	✓	✓	✓
RUDDER mainpiece at head	✓	✓	✓	✓
„ „ heel	✓	✓	✓	✓
„ how constructed	✓	✓	✓	✓
„ double or single plate	✓	✓	✓	✓
„ 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)
	Porman Group, South Durham, Bolckow Vaughan, Cargo Fleet, Consett, Besser Partners
	Has the Steel been tested as required by the Rules? yes

EQUIPMENT No 34913										LETTER 'Z'	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.			
63491.	1st Bower ...	65	1	10	✓	✓		51	2	2	0	R. Sykes	L.P.H.T. 20.3.30.W.A.D.
63393.	2nd „ ...	60	2	7	✓	✓		48	12	2	0	„	L.P.H.T. 27.2.30.W.A.D.
63176.	3rd „ ...	56	2	18	✓	✓		46	7	3	9	„	L.P.H.T. 20.1.31.W.A.D.
	Collective weight.	182	2	7	✓	✓							
33057	Stream „	17	2	14	✓	✓		18	14	1	14	✓	L.P.H.S. 12.5.309.H.B.

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.	Breaking.	Supplied.		Per Rule.		Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Inch.	Tons.	Tons.	Cwts.	grs.	lbs.	Cwts.	Fathoms.	Inch.					Fathoms.	Inch.	Tons.	Fathoms.	Inch.
16915	270	2 1/4	91 1/2	127 1/2	682-1-14			682-1-0	270	2 1/4	Swed. Rinde.	—	L.P.H.S. 30.5.309.H.B.	TOWLINE...	120	5	70.9	120	5
														HAWSERS & WARPS	2290	2 3/4	15.2	2290	2 3/4
														"	2290	2 1/2	13.2	2290	2 1/2
														"	2290	3	18.6.		
Iron Stearns Chain or Steel Wire	90	4 3/4	64.6						90	4 3/4									

Steering Gear, Steam *Messrs Rymn* Steering Gear, Hand *Yes.*
Boats 2. 24' Sudeboats. 2. 18' Dinghies Steering Chains, Size and Test *1 1/2 - 24-15-0-0.* Windlass *Smerson Walker*
Ceiling in Holds, thickness and material *W.P. 2 1/2.* Cargo Battens, thickness, material and spacing *7" x 2" W.P. spaced 9"*
Cargo Hatchways.—(Upper Deck) *Steel plates and angles* Thickness of Hatches *3".*
Size of No. 1 Hatchway (Forward) *27' x 20'.* No. 2 *29' 3" x 20'.* No. 3 *22' 6" x 20'.* No. 4 *33' 9" x 20'.* No. 5 *29' 3" x 20'.* No. 6 ✓
Number of Shifting Beams and/or Fore and Afters *No. 1-5. No. 2-5. No. 3-3. No. 4-6. No. 5-5.*
For Bartram & Sons Ltd.
Builder's Signature *E.H. Bartram* Director.

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *No.* (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *No.* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been constructed in accordance with the approved plans, the Society's Rules and the Secretary's letters.
The materials and workmanship are good.
The peak tanks, double bottom tanks, bulksheads, decks and waterways have been tested as required by the Society's Rules and found satisfactory.
The hand pump, steering gear and windlass have been tested and found in order.
The following approved plans are enclosed:—Midship Section, Profiles Decks, Girders, Stemframe, Amended painting arrangements, Bulksheads and Pumping Arrangements, Amended Tank Side Brackets. (8 plans.) 6 Forging Certificates enclosed.
Plans of midship section and profiles decks as built, enclosed (2 plans.)
Vessel placed in dry dock, bottom, rudder & stemframe cleaned, examined & coated.
Now done: Shell plates F14, F15 (from forward), starboard side found slightly scored and same satisfactorily filled by electric welding.

The amount of Entry Fee ... £ *8* : : : Fees applied for, *+ 1 SEP. 1930*
Special Survey Fee ... £ *30 8* : *18* : : Received by me, *3 SEP. 1930*
Travelling Expenses, if any £ : : : 19

I am of opinion the Vessel should be Classed *+ 100A1.*

State whether the Vessel has been built under Special Survey *Yes*
Certificate to be sent to *SUNDERLAND.* Date of issue *23/9/30*

Signature *Colin Bartlett*
Surveyor to Lloyd's Register of Shipping.

Committee's Minute *TUE. 23 SEP 1930*
Character assigned *+ 100A1*

The Surveyors are requested not to write on or below the Committee's Minute.

write L.H.

Lloyd's A.G.

M.H.



© 2020

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.)

Sister vessel S.S. "Harpathuan" Sunderland Rpt No: 30391.

12⁴¹

See
Glb. Rpt No. 64800
In Annex Stem fitted

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

1st Bower
2nd "
3rd "

Included in
40-1-27. K.H. 7526. 28.1.30.
36-1-25. K.H. 7527 28.1.30
34-1-28 K.H. 7330. 12.12.29.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 33.5 ft., R.Q.D. ☒ ft., Bridge 2565 ft., Forecastle 33.5 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 D⁵ (STL)

Official No. 162,474.: 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,	137	273	Fore peak tank,	20	149.
Double bottom, under Engines and Boilers,	27	129	After peak tank,	26	210.
Double bottom, if under Engines only,	13-3	646	Deep tank, aft,		
Double bottom, if under Boilers only, <u>84 Tanks</u>	178	1,148	Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
			(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. 5741

Date 9.12.29

Dates of Surveys held while building

1929 Dec. 12, 13, 20. 1930 Jan. 13, 23, 24, 31. Feb. 5, 12, 14, 17, 19, 24, 28. Mar. 4, 11, 14.
21, 27. Apr. 2, 4, 9, 15, 17, 23, 25, 29. May 1, 5, 6, 12, 15, 19, 21, 26, 29. June 2, 5, 13, 17, 20
27. July 1, 3, 8, 10, 15, 17, 25, 26, 29. Aug. 1, 6, 13, 19, 22, 25. Sep. 1, 3, 4.

Total No. of Visits

ba.