

State of Report is sent on the Machinery of the Vessel

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Single Screw Steamer "JOHN HOPKINSON." (Machinery Aft).
State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full Scantling. State Type of Erections {Raise & Lower Deck
Bridge & Forecastle

Built at *Sunderland*

Launched 4.10.38 Yard No. 326

Builders *S. P. Austin & Son Ltd*

Managers } Associated Companies Ltd.
(Where necessary to be entered in Reg. Book.)

Residence Horseferry Road, London S. W.

Port of Registry *London*

If surveyed while building, afloat, or in dry dock

Building & afloat.

	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	
" " from 2 ^{N^o 84 FRAME} bulkhead to Collision bulkhead.....}	✓ 24		" " Reversed Frame	
" " in peaks.....	✓ 23		" " Vertical Struts	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	32 1/2 40
Frame Amidships, angle ^{angle} = [.....	UPPER DECK. NBS 3 33 17 x 3 x 32 RAISED QUARTER DECK 17 1/2 3 42 Upper & Lower Deck		" " top Angles ... (Single)	✓ 3 3 38
" " Extends up to	✓		" " bottom Angles (Single)	3 1/2 3 1/2 40
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness ONE TOP 5 x 3 x 35 NBS. APP. 5 x 3 x 30 BOTTOM 5 x 3 x 36 NBS. 5 x 3 x 31	
" " Extends up to...	✓		Margin Plate depth (excl. of flange) and thickness	28 38
Depth of Framing Girder	6 1/2 - 7 - 7 1/2 - 8 1/2		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3 3 36
Frames in Uppermost Continuous 'tween Decks, Angle, E = [.....	NBS 5 3 39 5 x 3 x 37		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	6 6 37 5 6 x 6 x 36
" " ^{FORECASTLE} Second 'tween Decks, Angle, E = [NBS 5 3 35 5 x 3 x 30		" " Gussets, spacing and scantling abaft 1/4 len. from stem	5 x 5 x 36 angles in way of Cantilever brackets in lieu of gussets as approved.
" " Third " " " "	✓		" " Gussets, spacing and scantling forward 1/4 len. from stem.....	Level. As per approved plans
Framing in Peaks, Angle = [.....	5 1/2 3 30 5 1/2 x 3 x 29		Tank Side Brackets, height above base line at toe of Frame and thickness	49 36
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 - 7/8, 3/4 - 4/8 DEEP TANK.		INNER BOTTOM PLATING.	
State if Frame Joggled	NO (APP. 8 1/2 x 3 x 36)		Breadth and thickness of Middle Line Strake ...	76 50
PANTING ARRANGEMENTS (Sec. 7), state system and particulars)	Deck framing 8 1/2 x 3 x 40 & three strakes of shell plating increased to 48 as approved.		Thickness of remainder in Holds	50
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Indoctrin thickness of two strakes of plating Deck Keel transverse to the position of collision bulkhead. Double frames 3 x 3 x 30 fwd of 35 L. Wide girders carried forward as far as practicable.		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. (IN BOILER ROOM).			BEAMS.	
Floors, Depth and thickness at mid-line.	22 49		Uppermost Continuous Deck, amidships, IN WAY OF BRIDGE & DEEP TANK, in way of ^{FORE WALL} Angle, E = [6 1/2 3 34
" " Height of Brackets at side above base line at toe of frame	Shoat floor		" HALF BEAMS in way of angle ^{FORE WALL} Angle, E = [4 3 30
Middle Line Keelson, on Floors, Angles, E = [.....	5 3 1/2 40		" Spacing	27
" " " Through Plate = increased plate	28 50		RAISED QUARTER AND second Deck, amidships, Angle, E = [5 1/2 3 34
" " " Foundation Plate on Floors	12 50		HALF BEAMS AT NOTCH SIDES. L	5 x 3 x 42 x 40
" " " Flat Plate Keel Angles (Double).	3 1/2 3 1/2 48		" Spacing	27
Side Keelsons, No. each side	one		Third Deck, amidships, Angle, E = [.....	
" " thickness of Intercoastal Plate...	45		" Spacing	
" " Angles ... (Single)	5 3 1/2 44		Fourth Deck, amidships, Angle, E = [.....	
DOUBLE BOTTOM.			" Spacing	
Solid Floors, thickness and spacing	33 27		Poop Deck, Angle, E = [.....	
" " Are Frame and Reversed Frame joggled?	no		" Spacing	
Bracket Floors, breadth and thickness at middle line	✓		Bridge Deck, Angle, E = E	5 3 34
" " breadth and thickness at margin plate	✓		" Spacing	27
			Forecastle Deck, Angle, E = E	5 3 34
			" Spacing	23

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.....	✓		Stringer Plate, breadth and thickness in way of Bridge <i>C.A.S. in way of S.</i>	38 ✓ 36	
<i>FORECASTLE.</i>			Thickness of Plating abreast Deck openings in way of Wells	34 ✓ 30	
" in 'tween Decks, Size and Spacing.....	2 1/2 dia 46		Thickness of Plating abreast Deck openings in way of Bridge	✓	
<i>BRIDGE.</i>	3 x 1/2 solid half mnds. 27" apart.		Thickness of Plating within line of openings.....	40 ✓ 30	
" " " " " "	Large brackets at hatch sides in lieu.		If Sheathed, material and thickness	Sheathed in way of accom. aft with 5 x 2 1/2 P.P.	
" " " " " "			Third Deck.		
Centre Line Bulkhead.			Stringer Plate, breadth and thickness.....		
Stiffeners and Spacing.....	✓		If Plated, state thickness.....		
Plating, thickness of	✓		Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness.....		
Uppermost Continuous Deck.			If Plated, state thickness		
Stringer Plate, breadth and thickness in Wells	7 1/2 x 56, 50, 44		Poop Deck.		
" " " " in way of Bridge	60 x 67 x 56		Stringer Plate, breadth and thickness		
" " " " " "	5 5 54		Plating, Sheathing, material and thickness		
" Angle in Wells	79 3 1/2 3 1/2 50		Bridge Deck.		
Thickness of Plating abreast Deck openings in way of Wells	Stringer plate.		Stringer Plate, breadth and thickness.....	33 ✓ 30	
Thickness of Plating abreast Deck openings in way of Bridge	30		Plating, Sheathing, material and thickness	26, 2 1/2 P.P.	
Thickness of Plating within line of openings.....	30		Forecastle Deck.		
If Sheathed, material and thickness	2" w. w. in way of accom.		Stringer Plate, breadth and thickness.....	Plating runs straight out. Sheathed under	
RAISED QUARTER			Plating, Sheathing, material and thickness	30 (windlass with 3 P.P.	
second Deck.					
Stringer Plate, breadth and thickness in Wells	70 ✓ 41				

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>Yes.</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	60	51	47	51	47 aft	Double	$\frac{3}{4}$	3	3R full L	$\frac{7}{8}$	$3\frac{1}{8}$	Shopped
" Base (if any)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BOTTOM PLATING, No. of of Strakes <i>TWO</i>	71 72	45	45	41		Double	$\frac{3}{4}$	3	3R-2R	$\frac{3}{4}$	$2\frac{5}{8}$	Lapped
BILGE PLATING, No. of Strakes <i>ONE</i>	70 $52\frac{3}{4}$	45	37	41		"	"	"	"	"	"	"
SIDE PLATING, No. of Strakes <i>TWO</i>	54 BREAK 70	45	45	41		"	"	"	2R full L	"	"	"
UPPER DECK, Sheer- strake in Wells.....	46	54	37	✓		"	$\frac{7}{8}$ $\frac{3}{4}$	$3\frac{3}{8}$ $\frac{3}{8}$	3R-2R	$\frac{7}{8}$ $\frac{3}{4}$	$3\frac{1}{2}$ $2\frac{5}{8}$	"
UPPER DECK, Sheer- strake in Bridge ...	BREAK 58 aft.					✓	✓	✓	✓	✓	✓	✓
UPPER DECK STRAKE BELOW Sheer- strake in Wells.....	FOR 55x47 AFT 54x45		37	✓		Double	$\frac{3}{4}$	3	3R-2R 2R	$\frac{3}{4}$	$2\frac{5}{8}$	"
R.O.R.D.K STRAKE BELOW Sheer- strake in Bridge ...	46	46	✓	37		"	"	"	3R-2R	"	"	"
R.O.R.D.KS SHEER PEER SIDE PLATING.....	BREAK 58 43½	48	✓	37		✓	"	"	"	"	"	"
BRIDGE SIDE PLATING ...	✓	30	✓	✓		Single	$\frac{3}{4}$	3	Single	$\frac{3}{4}$	$2\frac{5}{8}$	"
FOREC'TLE SIDE PLATING	✓	✓	30	✓		"	"	"	"	"	"	"

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) **THREE.**

RAISED
QUARTER
Deck, ~~not below~~ Two.

As per Rule *FOUR.*

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD	BOILER ROOM. Upper between decks	✓ 42-30	✓ 8½ x 3 x 42	✓ 30	✓	✓
"	" Second "	✓	✓	✓	✓	✓
"	" Third "	✓	✓	✓	✓	✓
"	Holds (DEEP TANK)	✓ 40-30	✓ 8 x 3 x 46 NBS	✓ 24	✓	✓
COLLISION	" (in Hold)	✓ 39-30	✓ 11 x 3½ x 49 NBS. ✓ 4 x 4 x 26	✓ 24	✓	✓
AFTER PEAK	"	✓ 50-30	✓ 6 x 3 x 32 ✓ 4 x 3 x 36	✓ 24	✓	✓

FORGINGS and CASTINGS.

	Cast or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓	Flat plate keel		
STEM		rolled steel keel 7" x 1 $\frac{3}{4}$ "	Goodingham & Co. Works.	
STERN FRAME { Propeller Post		Forging 6 $\frac{3}{4}$ x 5	J. S. Foster &	
{ Rudder "		" 8 $\frac{1}{2}$ x 5	Son Ltd.	
RUDDER—A x D	✓	158 x 90	The Sunderland	
Speed of Vessel	✓	Under 10 knots.	Forge & Engineering	
RUDDER mainpiece at head		Forging 6 $\frac{1}{4}$	Co. Ltd. &	
" " heel		" 3 $\frac{1}{2}$	The Nottingham	
" how constructed	✓	Forged & built.	Steel Co. Ltd.	
" double or single plate		double 44		
" coupling, vertical or		Horizontal,		
" horizontal				

STEEL.

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

Steel Plates.-Cornett Iron Co; South Durham Steel Co.

Steel Angles. - Consett Iron Co; Norman Long & Co; Cargo Fleet Steel & Iron Co.

Has the Steel been tested as required by the Rules?

Yes.

EQUIPMENT No 12937.43												LETTER 0		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.				
34140	1st Bower	28	2	0	Stockless	27	10	0	0	28	} Boys Improved Stockless }	} Not stated	Std, 17.8.32, Butler		
34163	2nd "	27	0	14	" "	26	9	1	14	28			Std 30.9.32 — " —		
34150	3rd "	24	2	21	" "	24	10	2	14	24			Std 20.8.32 — " —		
	Collective weight.	80	1	7						80					
34147	Stream	8	3	14	Stockless	11	0	0	0	18 ³ / ₄	— " —	— " —	Std, 19.8.32, Butler		

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.		Tons.	Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.		Fathoms.	Ins.	
47505	240	1 ⁹ / ₁₆	43 ⁹ / ₁₀	61 ⁴ / ₁₀	299.0.0	298 ³ / ₄	240	1 ⁹ / ₁₆	Stud	Not stated	S.H. 18.8.32, Paul	TOWLINE...	90	3 ¹ / ₄	21.7	90	3 ¹ / ₄	
												HAWSERS & WARPS }	2290	2 ¹ / ₄	10.8	90	2 ¹ / ₄	
												"	2290	1 ³ / ₄	6.4	90	1 ³ / ₄	
47481		Cir.						Cir.										
Iron Steam Chain Steel Wire	75	1	18	27	38.1.20	38 ¹ / ₄	75	1	Stud	Not stated	S.H. 18.8.32, Paul	"						

Steering Gear, Steam *Donkin & Co. (Telemotor Control)* Steering Gear, Hand *Blocks & Tackle operated from after* (winch.)
Boats 2 lifeboats 19'0" one dinghy 14'0" Steering Chains, Size and Test *7" dia. 9 1/8 tons.* Windlass *Steam - Clark Chapman.*
Ceiling in Holds, thickness and material *2 1/2" w.w. steel plates only* Cargo Battens, thickness, material and spacing *none. (Owner approval).*
Cargo Hatchways.-(Upper Deck) *Steel plates, Stiffeners & stays as approved. Thickness of Hatches 3"*
Size of No. 1 Hatchway (Forward) *{ 43'6" x 24'0" -17'9"* No. 2 *{ 33'9" x 24'0"* No. 3 *{ 33'9" x 24'0" -23'6"* No. 4 ☒ No. 5 ☒ No. 6 ☒
Number of Shifting Beams, and for Fore and Afters *Nº 1 = 6; Nº 2 = 3 = 5.*

FOR S. P. AUSTIN & SON, LIMITED.
J. W. Dugdale
Builder's Signature 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 Rules, & Secretary's letters. The materials & workmanship are good. The foreboard has been triced & the marks cut in on the vessel's sides. The double bottom tanks, peak tanks, & deep tank amidships have been satisfactorily tested. The decks & bulkheads have been hose tested, windlass & steering gear tried under working conditions, & all found satisfactory. The following approved plans are in the London Office copies of which are forwarded herewith. Viz:- Midship Section, Profile & Decks, Midship Deep Tank, Fore end & Planing Arrangement (Amended), Strengthening of Bottom Forward, Alternative Tank Girders, Machinery Casings & Funnel Supports, Bulwarks & Freeing Ports, Centre Line Tank Ends etc. in Machinery Spaces, Raising List, Stern Frame & Rudder, Rudder (amended),

The amount of Entry Fee £ *5* : : : Fees applied for, *4 NOV 1932*
Special Survey Fee.... £ *131* : *8* : : Received by me, *11/11/1932*
Freeboard 10 : 0 : 0
Travelling Expenses, if any £ *✓* : *✓* : *✓*
State whether the Vessel has been built under Special Survey *yes* Signature *James Dickie*
H&M Certificate to be sent to *Sunderland* Date of issue *14/11/32* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. 11 NOV 1932*
Character assigned *+ 100 A1*
Lloyd's Accr + L.M.C. 10.32
Cargo Battens not fitted
Maile Ltd 11/11
My

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.)

Fore Hatch (amended), & Pumping Arrangement.

The Midship Section & Profile & Decks—as built—are forwarded herewith, together with Forging Reports of Stem Frame, Rudder & Tiller.

The S.S. "Tyndall" Sld Rpt No 31054 is a sister vessel.

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

1st Bower 19.3.14; M.B; 9654; 29.4.32.
2nd " 17.1.14; M.B; 9698; 29.4.32.
3rd " 17.1.7; M.B; 9660; 29.4.32.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. 138.0 ft., Bridge 15.75 ft., Forecastle 21.33 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) 1-4K (SK)

Official No. 165300 : Signal Letters ✓

Is bottom of Vessel coated with cement Engine & Boiler space only 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,	90.0	212	Fore peak tank,	20.83	142
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	11.50	28
Double bottom, if under Engines only, (AFT)	22.50	34	Deep tank, AMIDSHIPS , { 7.0 AT TOP 14.5 AT BOTTOM }	✓	107
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	✓
Double bottom, forward,	60.75	122	Other tanks, if fitted,	✓	✓
Total capacity of double bottom	368		(If necessary, furnish further information by sketch.)	✓	✓

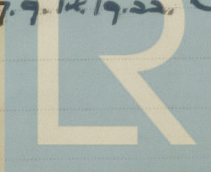
* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 5767

Date 21.3.32

Dates of Surveys held while building

1932. Apr. 20, 22, 29. May. 4, 12, 13, 18, 23, 26, 30. June 8, 20, 29. July 1, 6, 11, 15, 18, 27. Aug. 3, 11, 12, 22, 24, 31. Sep. 5, 7, 9, 14, 19, 22. Oct. 3, 4, 11, 12, 25, 26, 27, 28, 31



Lloyd's Register Foundation

Total No. of Visits 40