

## STEEL STEAMER or MOTORSHIP.

Received at London Office 15 MAY 1930

State if Report has been sent on the Freeboard of the Vessel *No.*State if Report is sent on the Machinery of the Vessel *Yes*

Date of completion of report

9/5/30

Port of

Southampton

No.

13919

Survey held at

Cowes I.O.W.

Date First Survey

7/9/29

Last Survey

9/5/

1930

On the

(State if Machinery fitted Aft and if Single, Twin or Triple Screw)

Steel Raddle Ferry Steamer

"JOHN BENN" (Machinery Amidships)

State Type

(Full Scantling, Complete Superstructure with or without Tonnage Openings)

State Type of Erections

Vehicle Deck

TONNAGE under Tonnage Deck...

407.09

CLASS *A1* for Woolwich state if with freeboard *✓*  
ferry purposes, as condition of Class

FEET.

Do. of space or spaces between Tonnage Dk. and Upper Dk.

214.31

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

L 171.5

Breadth (greatest moulded)

B 44.0

Total

621.4

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 7.5

Gross Tonnage

621.4

Register Tonnage

326.59

1st Longitudinal Number (L x D) = 1286

2nd Numeral L x (B + D) = 8832

Framing Depth "d," at middle of length. See Sec. 3 (1d)

6.25

Proportions—Depth to Length—Uppermost continuous deck to top of keel

22.8

Do. Long Bridge to top of keel

Draught Moulded

4.66

Built at East Cowes

Launched 29/1/30

Yard No. 1685.

Builders J. Samuel White &amp; Company Ltd.

Owners The London County Council.

Managers

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

Residence

Port of Registry London

If surveyed while building, afloat, or in dry dock

Building &amp; 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.
<b>FRAMES, Spacing amidships</b>	24"		<b>Bracket Floors, Frame</b>		
" " from $\frac{3}{4}$ length to Collision bulkhead	24"		" " Reversed Frame		
" " in peaks	fore 21" Aft 22"		" " Vertical Struts		
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>		
Frame Amidships, Angle, $\angle$ or $\angle$	4 1/2 x 3 x 36		" " top Angles		
" " Extends up to	Upper Deck		" " bottom Angles		
Reversed Frame Amidships, Angle	2 1/2 x 2 1/2 x 30		<b>Side Girders, No. each side and thickness</b>		
" " Extends up to	Across top of floors		<b>Margin Plate</b> depth (excl. of flange) and thickness		
Depth of Framing Girder	4 1/2"		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, $\angle$ or $\angle$	4 1/2 x 3 x 36		" " Vertical Angle to Tank side Bracket forward $\frac{1}{2}$ len. from stem		
" " Second 'tween Decks, Angle, $\angle$ or $\angle$			" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem		
" " Third " "			" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem		
18" Web frames in E & B spaces. 15" Web frames in 'tween decks. Webs 12" x 30 single face angles			<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>		
" " Framing in Peaks, Angle or $\angle$	4 1/2 x 3 x 36		<b>INNER BOTTOM PLATING.</b>		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8 Dia. 4 1/2" 70 lbs. apart		Breadth and thickness of Middle Line Strake		
State if Frame Joggled	Yes		Thickness of remainder in Holds		
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars			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?		
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars			<b>BEAMS.</b>		
<b>SINGLE BOTTOM.</b>			Uppermost Continuous Deck, amidships in W.L. Angle, $\angle$ or $\angle$	8 x 3 x 3 375W. 50F.	
Floors, Depth and thickness at mid-line in Holds	15 x 38		" " in way of Bridge, Angle, $\angle$ or $\angle$	Do.	
Height of Brackets at side above base line at toe of frame			Spacing	Alternate frames.	
Middle Line Keelson, on Floors, Angles, $\angle$ or $\angle$	4 x 3 x 36		<b>Second Deck, amidships, Angle, <math>\angle</math> or <math>\angle</math></b>		
" " Through Plate or Intercoastal Plate	36 x 30		Spacing		
" " Foundation Plate on Floors			<b>Third Deck, amidships, Angle, <math>\angle</math> or <math>\angle</math></b>		
" " Flat Plate Keel Angles	3 x 3 x 35		Spacing		
Side Keelsons, No. each side	One		<b>Fourth Deck, amidships, Angle, <math>\angle</math> or <math>\angle</math></b>		
" " thickness of Intercoastal Plate	30		Spacing		
" " Angles	4 x 3 x 36		<b>Poop Deck, Angle, <math>\angle</math> or <math>\angle</math></b>		
<b>DOUBLE BOTTOM.</b>			Spacing		
Solid Floors, thickness and spacing			Vehicle Bridge Deck, Angle, $\angle$ or $\angle$	10 x 3 1/2 x 35 38W. 575F.	
" " Are Frame and Reversed Frame joggled?			Spacing	On every frame.	
Bracket Floors, breadth and thickness at middle line			<b>Forecastle Deck, Angle, <math>\angle</math> or <math>\angle</math></b>		
" " breadth and thickness at margin plate			Spacing		



# 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>3 Rows in ER. 2 Rows elsewhere.</i>				Stringer Plate, breadth and thickness in way of Bridge .....					
,, in 'tween Decks, Size and Spacing.....		✓				Thickness of Plating abreast Deck openings in way of Wells .....					
,, " " " " "		✓				Thickness of Plating abreast Deck openings in way of Bridge .....					
,, in Holds " " "		<i>4" Dia x 7/16 Tube generally on Alt. frames.</i>				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		<i>4 1/2 x 3 1/4</i>				If Plated, state thickness .....					
,, " " " " " in way of Bridge		<i>Do.</i>				<b>Poop Deck.</b>					
,, Angle in Wells .....		<i>3 x 3 x 3/16</i>				Stringer Plate, breadth and thickness .....					
Thickness of Plating abreast Deck openings in way of Wells .....		<i>2 1/4</i>				Plating, Sheathing, material and thickness ..					
Thickness of Plating abreast Deck openings in way of Bridge		<i>Do.</i>				<b>Vehicle Bridge Deck.</b>					
Thickness of Plating within line of openings...		<i>Do.</i>				Stringer Plate, breadth and thickness.....		<i>4 1/2 x 3 1/4</i>			
If Sheathed, material and thickness .....		<i>2 1/2" Pitch Pine.</i>				Plating, Sheathing, material and thickness ...		<i>2 1/2" plating. 4" Pitch Pine. 1 1/2" Jarrah sheathing.</i>			
<b>Second Deck.</b>						<b>Forecastle Deck.</b>					
Stringer Plate, breadth and thickness in Wells...		✓				Stringer Plate, breadth and thickness.....		✓			
						Plating, Sheathing, material and thickness ...		✓			

# SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing or to cr.	Diam.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL .....	<i>48</i>	<i>35</i>	<i>35</i>	<i>30</i>		<i>Double</i>	<i>5/8</i>	<i>2 1/2</i>	<i>Double</i>	<i>5/8</i>	<i>2 1/4</i>	<i>Lapped.</i>
,, DBLG. (if any)	✓											
BOTTOM PLATING, No. of Strakes .....	<i>54</i>	<i>30 Throughout.</i>				<i>Single</i>	<i>5/8</i>	<i>2 1/2</i>	<i>Double</i>	<i>5/8</i>	<i>2 1/4</i>	<i>Lapped</i>
BILGE PLATING, No. of Strakes .....	<i>51</i>	<i>Do.</i>				<i>Single</i>	<i>5/8</i>	<i>2 1/2</i>	<i>Double</i>	<i>5/8</i>	<i>2 1/4</i>	<i>Lapped</i>
SIDE PLATING, No. of Strakes .....	<i>41</i>	<i>Do.</i>				<i>Single</i>	<i>5/8</i>	<i>2 1/2</i>	<i>Double</i>	<i>5/8</i>	<i>2 1/4</i>	<i>Lapped</i>
UPPER DECK, Sheer-strake in Wells.....	<i>33</i>	<i>44</i>	<i>30</i>	<i>30</i>		<i>Double</i>	<i>3/4</i>	<i>3</i>	<i>Treble</i>	<i>3/4</i>	<i>2 7/8</i>	<i>Lapped.</i>
UPPER DECK, Sheer-strake in Bridge ...	✓					✓						
STRAKE BELOW Sheer-strake in Wells.....	✓					✓						
STRAKE BELOW Sheer-strake in Bridge ...	✓					✓						
POOP SIDE PLATING .....	✓					✓						
BRIDGE SIDE PLATING ...	<i>30</i>	<i>24</i>	<i>24</i>									
FORECASTLE SIDE PLATING	✓					✓						

# WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—				
Extending to Upper Deck (Sec. 3 c) <i>Seven.</i>				
,, Deck next below <i>✓</i>				
As per Rule <i>4.</i>				
	Plating Thickness.	STIFFENERS.		
		VERTICAL.		HORIZONTAL.
		Scantlings.	Spacing.	Scantlings.
MIDSHIP BULKHEAD, Upper tween decks				
,, Second "				
,, Third Bulkheads	<i>36-26</i>	<i>4x3x34</i>	<i>30</i>	
,, Holds .....	<i>30-26</i>	<i>4x3x34</i>	<i>30</i>	
COLLISION (in Hold) .....	<i>32-26</i>	<i>4x3x38</i>	<i>24</i>	
AFTER PEAK .....	<i>30-26</i>	<i>4x3x34</i>	<i>30</i>	

# 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> <i>Roller Bar</i> .....	<i>Forging.</i>	<i>5 1/2 x 2</i>	<i>J. S. White &amp; Co. Ltd.</i>	
<b>STERN FRAME</b> { Propeller Post .....				
{ Rudder " .....				
<b>RUDDER—A x D</b> .....				
<b>Speed of Vessel</b> .....		<i>8 1/2 knots.</i>		
<b>RUDDER</b> mainpiece at head ...		<i>5" Dia.</i>	<i>J. S. White &amp; Co. Ltd.</i>	
,, " heel ...		<i>3 x 2 3/4</i>	<i>Do.</i>	
,, how constructed .....	<i>Forging.</i>			
,, double or single plate .....	<i>Double.</i>			
,, 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) *Open Hearth.*  
*The Port Talbot Steel Co. Ltd. Cleveland Steel works, The North West Steel Works, The Lancashire Steel Co. Ltd.*  
*The Steel Company of Scotland Ltd. David Colville & Sons Ltd. Cargo Fleet Iron Co. Ltd. The Remington Forge Co.*  
 Has the Steel been tested as required by the Rules? *Yes.*



EQUIPMENT No.										LETTER		ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 53. or 93 approved.	Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.					lbs.
44741	1st Bower	Stacklan			10	0	4	12	0	0	0	10	Fellows Cast Steel Head.	Not Stated	Cradley Heath 12/9/29 R.F. Drysdale
	2nd "														
	3rd "														
	Collective weight.														
	Stream														

CHAIN CABLES.										HAWERS 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.	Statu-tory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.	Length.	Cir.					Tons.	Fathoms.		Ins.	Fathoms.
43673	90	1	18.000	7.000	46.0.0.	45.9.	90	1	18.000	7.000	Steel. Heavy Race	Cradley Heath 2/11/29. Ed. Paul	TOWLINE						
43604	30	3/4	6.10.0	13.00.0	9.2.9	9.375	60	3/4	6.10.0	13.00.0	Short link Do.	Do.	HAWERS & WARPS						
43605	30	3/4	6.15.0	13.00.0	9.2.2	9.375	60	3/4	6.15.0	13.00.0	Short link Do.	Do.	Waulps	120	7		120	7	
Iron Stream Chain or Steel Wire													Do.	120	5		120	5	

Steering Gear, Steam *Napier Bros. Ltd. Glasgow* Steering Gear, Hand *Liebert*

Boats *None* Steering Chains, Size and Test *Control Rods 1 1/2"* Windlass

Ceiling in Holds, thickness and material  Cargo Battens, thickness, material and spacing

Cargo Hatchways.-(Upper Deck)  Thickness of Hatches

Size of No. 1 Hatchway (Forward)  No. 2  No. 3  No. 4  No. 5  No. 6

Number of Shifting Beams and/or Fore and Afters  Capstans by *Emmerson Walker*

For J. Samuel White & Company Ltd.

Builder's Signature  Managing 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.

*P.T.O.*

The amount of Entry Fee ..... £ 4 : 0 : 0 Fees applied for, *14/5/1930*

Special Survey Fee.... £ 62 : 2 : 6 Received by me, *H. G. 1930*

Travelling Expenses, if any £ 1 : 0 : 0

I am of opinion the Vessel should be Classed *A7* for Woolwich Ferry Purposes.

State whether the Vessel has been built under Special Survey *Yes* Signature *J. M. Robertson*

Certificate to be sent to *Obtained* Date of issue *5/6/30* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *TUE. 20 MAY 1930*

Character assigned *+ A1*

*For Woolwich Ferry Services*

*Lloyd's A.C.P.*

*+ L.M.C. 5.30*

*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.)

This vessel is a steel paddle ferry steamer intended for service on the River Thames, and has been built under Special Survey, in accordance with approved plans, (4 in W. herewith enclosed) the Secretary's letters of various dates, and in conformity with the rules for the class contemplated. The workmanship is good.

The decks, waterways and bulkheads have been tested as per rule and found satisfactory. The steering gear, capstans and pumps have been tested under working conditions and found satisfactory.

This ship is a sister vessel to the "WILL CROOKS," same builders, yard number 1684.

Plans enclosed

Midships Section.

Profile and Deck

Details of Steering quadrant & Tiller.

Details of Rudder & Fin Keel.

4 Plans.

Copies of London County Councils Specification and plans enclosed with Secretary's letter of 3/4/29 are enclosed herewith

2 specifications

3 plans

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

1st Bower 6-0-20 cwt. M.A.B. 1076 31/1/29.

2nd "

3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle — 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) 10th (P&S+1).

Official No. 161404. ; Signal Letters

Is bottom of Vessel coated with cement No. if not give

particulars of composition Bitumastic.

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			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.

Date

5/4/29.

Dates of Surveys held while building

1929 May 7, 28. June 4, 18. July 3, 15, 31. Aug. 9, 13, 28. Sept 3, 23, 25. Oct 1, 15, 23, 25. Nov. 8, 14, 27, 29. Dec 12, 14. 1930 Jan. 3, 7, 17, 21, 29. Feb 21, 25. Mar. 10, 17. Apr 8, 23, 27. May 6.

Total No. of Visits 36