

STEEL STEAMER or MOTORSHIP.

22 FEB 1928

Received at London Office

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

20th July 1928

Port of

Belfast.

No.

9917

Survey held at

Belfast.

Date First Survey

30th March 1927

Last Survey

15th July 1928.

19

On the

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

SINGLE SC. MOTORSHIP "KING JOHN"

State Type

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

Full Scantling

State Type of Erections

P, B & F

TONNAGE under
Tonnage Deck...

4806.62

CLASS 100A1

State if with freeboard
as condition of Class

No.

Built at Belfast.

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 400

Launched 24th Nov. 1927 Yard No. 760.

Total

Breadth (greatest moulded)

B 54.5

Builders Harland & Wolff Ltd

Gross Tonnage

5227.78

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

D 29.625

Owners Kingline Ltd

Register Tonnage

3139.23

1st Longitudinal Number (L x D) = 11850

Managers

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

2nd Numeral L x (B + D) = 33650

REGISTERED DIMENSIONS.

FEET.

Length

400.7

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

26.5

Residence

Breadth

54.8

Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel

13.5

Port of Registry London

Depth

27.25

Do. Long Bridge to top
of keel

10.5

If surveyed while building, afloat, on in dry dock

Draught Moulded 23'-8"

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.
FRAMES, Spacing amidships	28 ✓		Bracket Floors, Frame BA	9 3/2 48 ✓	
" " from 1/2 length to Collision bulkhead	27 ✓		" " Reversed Frame BA	8 1/2 3 48 ✓	
" " in peaks	24 ✓		" " Vertical Struts BA	8 1/2 3 48 ✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	42 x 52 1/2 42 ✓	
Frame Amidships, Angle, [or]	12 x 4 x 4 5/16 W 6/16 F ✓		" " top Angles	3 1/2 3 1/2 50 ✓	
" " Extends up to	Upper Bk ✓		" " bottom Angles	4 x 4 x 56 1/2 42 ✓	5.2 aft bulk
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	One 38 ✓	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	36 x 50 ✓	
Depth of Framing Girder	12 ✓		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 1/2 3 1/2 42 ✓	
Frames 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	Continuous plate 38 ✓	
" " Third	✓		" " Gussets, spacing and scantling forward 1/2 len. from stem	"	
Framing in Peaks, Angle [or]	7 1/2 x 3 3/8 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	63 ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	7/8 5 3/4 ✓		INNER BOTTOM PLATING.		
State if Frame Joggled	Yes ✓		Breadth and thickness of Middle Line Strake	50 x 50 1/2 40 ✓	
PLATING ARRANGEMENTS (Sec. 7), state system and particulars	Extra Webs, Beams & Stringers as per Sec 7 of Rules & as approved		Thickness of remainder in Holds	42 1/2 36 ✓	
TRENGTHENING OF BOTTOM FOR- WARD. State Particulars	Increased Shell, S.B. & Frames doubled & solid floors every frame forward of 3/5 L. Riveting as per Rules.		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 ✓	
INGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓		Uppermost Continuous Deck, amidships in Wells, Angle, [or]	10 x 32 x 32 1/2 48 W 57 SF ✓	
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, [or]	10 x 32 x 32 1/2 46 W 57 SF ✓	
Middle Line Keelson, on Floors, Angles, [or]	✓		Spacing	28 ✓	
" " Through Plate or Intercostal Plate	✓		Second Deck, amidships, Angle, [or]	✓	
" " Foundation Plate on Floors	✓		Spacing		
" " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, [or]	✓	
Side Keelsons, No. each side	✓		Spacing		
" " thickness of Intercostal Plate	✓		Fourth Deck, amidships, Angle, [or]	✓	
" " Angles	✓		Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, [or]	6 1/2 x 3 x 37 ✓	
Solid Floors, thickness and spacing	38 at 8 ft ✓		Spacing	28 to 24 ✓	
" " Are Frames and Reversed Frames not joggled?	✓		Bridge Deck, Angle, [or]	9 x 3 1/2 x 44 ✓	
Bracket Floors, breadth and thickness at middle line	47 38 ✓		Spacing	28 ✓	
" " breadth and thickness at margin plate	39 1/2 38 ✓		Forecastle Deck, Angle, [or]	7 1/2 x 3 1/2 x 44 ✓	
			Spacing	27 to 24 ✓	

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..... <i>One in Bridge Spec</i>				
" <i>Bridge</i> in [^] tween Decks, Size and Spacing.....	<i>2 7/8 at 56'</i>			
" " " " "				
" in Holds " "	<i>6 ft. B.A.A.</i>			
" " " " "				
Centre Line Bulkhead.				
Stiffeners and Spacing..... <i>BA.</i>	<i>1 1/2 x 3 1/2 x 52 spaced 56" and as per app. plan.</i>			
Plating, thickness of	<i>30.</i>			
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness in Wells	<i>56 x 92</i>			
" " " " in way of Bridge	<i>47 x 39</i>			
" Angle in Wells	<i>6 6 92</i>			
Thickness of Plating abreast Deck openings } in way of Wells	<i>77</i>			
Thickness of Plating abreast Deck openings } in way of Bridge	<i>35</i>			
Thickness of Plating within line of openings...	<i>68</i>	<i>as app.</i>		
If Sheathed, material and thickness	<i>✓</i>			
Second Deck.				
Stringer Plate, breadth and thickness in Wells...	<i>✓</i>			
Stringer Plate, breadth and thickness in way } of Bridge				
Thickness of Plating abreast Deck openings } in way of Wells				
Thickness of Plating abreast Deck openings } in way of Bridge				
Thickness of Plating within line of openings...				
If Sheathed, material and thickness				
Third Deck.				
Stringer Plate, breadth and thickness.....	<i>✓</i>			
If Plated, state thickness.....				
Fourth Deck.				
Stringer Plate, breadth and thickness.....	<i>✓</i>			
If Plated, state thickness				
Poop Deck.				
Stringer Plate, breadth and thickness	<i>35 1/2 x 35</i>			
Plating, Sheathing, material and thickness ...	<i>30. 2 1/2" PINE</i>			
Bridge Deck.				
Stringer Plate, breadth and thickness.....	<i>57 x 46</i>			
Plating, Sheathing, material and thickness ...	<i>42 NONE</i>			
Forecastle Deck.				
Stringer Plate, breadth and thickness.....	<i>34 1/2 x 35</i>			
Plating, Sheathing, material and thickness ...	<i>34 NONE</i>			

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. No. 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	.77	.68	.68		Double	1.	4	Four	1	4	
„ DBLG. (if any)												
BOTTOM PLATING, No. of Strakes 3.....)	✓	.60	.46	.46		Double	$\frac{7}{8}$	$3\frac{1}{2}$	Three	$\frac{7}{8}$	$3\frac{1}{8}$	
BILGE PLATING, No. of Strakes 2.....)	✓	.60	.46	.46		Double	"	"	"	"	"	
SIDE PLATING, No. of Strakes 3.....)		.60	.44	.44		Double	"	"	"	"	"	
UPPER DECK, Sheer- strake in Wells.....)	50	.93	.44	.44		Double	1	4	Five	1	$4\frac{1}{2}$	
UPPER DECK, Sheer- strake in Bridge ...)		.58				Double	$\frac{7}{8}$	$3\frac{1}{2}$	"	$\frac{7}{8}$	4	
STRAKE BELOW Sheer- strake in Wells.....)	50	.77	.44	.44		Double	1	4	Four	1	4	
STRAKE BELOW Sheer- strake in Bridge ...)	"	.60				Double	$\frac{7}{8}$	$3\frac{1}{2}$	Three	$\frac{7}{8}$	$3\frac{1}{8}$	
POOP SIDE PLATING38		Single	$\frac{3}{4}$	3	Two	$\frac{3}{4}$	$2\frac{5}{8}$	
BRIDGE SIDE PLATING58				Double	$\frac{7}{8}$	$3\frac{1}{2}$	Five	$\frac{7}{8}$	4	
FORE'C'TLE SIDE PLATING			.40			Single	$\frac{3}{4}$	3	Two	$\frac{3}{4}$	$2\frac{5}{8}$	

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) *Seven* ✓

„ „ Deck next below *Six* ✓

As per Rule.

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD	Hold to S.F. as approved					
	Upper green deck	41 To 26	12x4x14x60	30	✓	✓
	DEEPTANK AFT BH		ABOVE → 1 1/2 x 3 x 10 BA	8 AS PER	plate	face Bar
	Second	48 To 30	12x3x3x2x50	PLAN	39x44	9x3x50 BA
"	"					
	D ^o FORO		ABOVE → 8 x 3 x 55 BA	24x	plate	face Bar
"	Third	42 To 30	12x3x3x2x60	26	39x44	9x3x50 BA
"	"					
	Hold	01 Bunkers as per			app'd plans.	
		50 To 28	10x3x50 BA	24	semi bar	
COLLISION	(in Hold)		CL BUNKERS 7x5x44	30	24x44	
			AS PER	BA.	plate	✓
AFTER PEAK		49 To 30	PLAN	24	48x34	✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓			
STEM	Rolls.	$9\frac{1}{2} \times 2\frac{1}{2}$		
STERN FRAME {	Propeller Post	$10\frac{1}{2} \times 7\frac{1}{2}$	R. Kerr & Sons	
	Rudder „	$9 \times 7\frac{1}{2}$	„	
RUDDER—A×D.....		598		
Speed of Vessel.....		10 knots.		
RUDDER mainpiece at head ...		$10\frac{5}{8}$ ✓	R. Kerr & Sons.	
„ „ „ heel ...		$8\frac{1}{8}$ ✓		
„ „ how constructed		Forgs Arms shrunk on mainpiece		
„ „ double or single plate		Single Plate		
„ „ 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) *O. Colville Son Ltd*
(O. Steel)
Has the Steel been tested as required by the Rules? *Yes.*

EQUIPMENT No.										LETTER <i>Z</i>	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.			
89392	1st Bower ...	65	1	21	65	1	21	51	5	0	Hall's G.S. Head	H. Hingley & Son	Netherston 13/10/27 H. Green
89393	2nd " ...	64	3	14	"	"	"	51	0	0	Shank forged O.H.	"	" " " "
87733	3rd " ...	54	3	24	"	"	"	45	7	2	Steel. She. forged W.S.	"	" 30/6/25 " "
	Collective weight.	185	1	3									
89419	Stream	17	2	0	4	2	20	18	12	2	Rodger forged W.S.	"	" 19/10/27 " "

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.	Statu- tory.	Break- ing.	Supplied.		Per Rule.		Length.	Diam.					Length.	Cir.		Length.	Cir.
80638	Fathoms. 135	Ins. 2 1/4	Tons. 9 1/2	Tons. 127 1/2	Cwts. 341	qrs. 2	lbs. 0	Cwts. 682	Ins. 2 1/4	Steel She.	H. Hingley & Son	Netherston 6/10/27 H. Green	TOWLINE... HAWSERS & WARPS } " "	Fathoms. 120	Ins. 5	Tons. 59	Fathoms. 120	Ins. 5	
80650	135	2 1/4	"	"	342	0	11			"	"	13/10/27			180	2 3/4	152	180	2 3/4
"	Ends 2	End.	4 fathoms	"	6	0	23												
Iron Stream Chain or Steel Wire	90	Cir. 4 3/4	"	47					90	Cir. 4 1/4									

Steering Gear, *Steam* *H.W. Heli Shaw Electric Hydraulic* Steering Gear, *Hand* *H.W. Worm & pinion*

Boats *2 lifeboats 2 dinghys* Steering Chains, Size and Test *✓* Windlass *Clark Chapman (Electric)*

Ceiling in Holds, thickness and material *3" spruce* Cargo Battens, thickness, material and spacing *2" spruce 10" centres.*

Cargo Hatchways.—(Upper Deck) *30 above S. Coaming's Ends. Sides. 44* Thickness of Hatches *2 1/2"*

Size of No. 1 Hatchway (Forward) *27'-0" x 20'-0"* No. 2 *30'-4" x 20'-0"* No. 3 *23'-0" x 18'-0"* No. 4 *30'-4" x 20'-0"* No. 5 *30'-4" x 20'-0"* No. 6 *✓*

Number of Shifting Beams and *Fore and Afters* *Nos 1 & 3. Two Nos 2, 4 & 5 Six.*

For HARLAND AND WOLFE, LIMITED.

Builder's Signature

Chas. Payne

GENERAL DECLARATION This vessel has been built in accordance with the plans approved by the Committee, the Secretary's letters, and in general conformity with the rules. The workmanship & materials are good. The Double Bottom Tanks, Peak Tanks, Keel Tank & Fuel Oil Bunkers have been tested as required with satisfactory results. The weather decks & Watertight Bulkheads have been tested & found satisfactory. Steering Gear, Windlass, Bridge Pumps, Hand Pump have been tested under working conditions & found satisfactory.

The Fuel Oil Bunker Tanks have been constructed in accordance with approved plans.

The Treeboard has been verified & cut in on the vessel's sides.

The amount of Entry Fee £ *9 : 0 : 0* Fees applied for, *21 Feb 1928*

Special Survey Fee.... £ *330 : 14 : 0* Received by me, *5.3.28*

Treeboard Travelling Expenses, if any £ *10 : 1 : 8*

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

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

Certificate to be sent to *This Office* Date of issue *6/3/28* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. 2 MAR 1928*

Character assigned *+ 100 A1*

Lloyd's A&CP + L.M.C. 2.28

Oil Engines Cl. LB 100lb.

Muse 131

6/3/28

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.)

The approved plans are enclosed for reference (Midship Section & Profile & Deck).
Forging Reports are enclosed herewith

Rpt. 4b.

Date of writing

These pages
Signal Letters

Official

160,356

No., Date, a

Whether Br
Foreign E

British

Number of
Number of
Rigged
Stern
Build
Galleries
Head
Framework
vessel
Number of
Number of
and their

Total to quarter
to bottom

No. of
sets of
Engines.

One Ve
Co

No. of
Shafts.

One Des
Num

Iron

Load

Under Ton
Space or sp
Turret or
Forecastle
Bridge spa
Poop
Side House
Deck Hou
Chart Hou
Spaces for
Section
1894
Excess of

Deduction

NOTE 1.—TH

NOTE 2.—TH

No. of O

Name, R

Dated

(830) (3349

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

1st Bower (89392)

42. 3. 18

K.H.

4877

30/8/27

2nd „ (89393)

42. 2. 4

K.H.

4873

30/8/27

3rd „ (87733)

35. 3. 16

D.D.W.

271

7/4/25

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 27.66 ft., R.Q.D. ✓ ft., Bridge 142.33 ft., Forecastle 35 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). One Deck (Steel)

Official No. 160356

Signal Letters L B G N

Is bottom of Vessel coated with cement Partly if not give

particulars of composition Nothing in B.B. Oil Tanks Cement in Foremast. Aftermast B.B. Tanks Feedwater Tanks under
Motors in 7th & 8th Peaks.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	109.66	236	Fore peak tank,	FR 18 F	109
Double bottom, under Engines and Boilers, 6' 6" High P+S	39.66	248	After peak tank,	FR 81 A	260
Double bottom, if under Engines only,			Deep tanks aft, O.F. BUNKERS P. 60 T. S 52 T.	9.33	112
Double bottom, if under Boilers only,			Deep tank, forward,	25.66	1076
Double bottom, forward,	184.66	583	Other tanks, if fitted, A. 16.33' F. 14' A. 14 T F 12 T.		26
Total capacity of double bottom		1067	(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. 773

Date 7/5/27

Dates of Surveys
held while building

1927 March 30 April 1. 6. 11. 25. 28 May 6. 16. 17. 19. 24. 30 June 4. 7. 10. 16. 23. 28. 29
July 4. 25 Aug 4. 5. 8. 15. 29 Sept 2. 6. 15. 27. 30 Oct 5. 6. 11. 14. 18. 20. 21. 25. 27. 31
Nov 1. 2. 3. 4. 8. 10. 17. 22. 24 Jan 6. 20. 26 Feb 7. 27. 9. 10. 13. 15.

Total No. of Visits 59