

STEEL STEAMER OF MOTORSHIP.

- 8 DEC 1927

Received at London Office 8 DEC 1927

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

5th Dec. 1927

Port of Belfast.

No. 9873

Survey held at Belfast

Date First Survey 24th Jan'y 1927Last Survey 29th November 1927

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

SINGLE SCREW MOTORSHIP "KING EDGAR"

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

COMPLETE SUPERSTRUCTURE WITH TONNAGE OPENINGS

State Type of Erections

None

TONNAGE under Tonnage Deck

4163.79

CLASS 100 A1

State if with freeboard as condition of Class? Yes

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 15th Sept. 1927 Yard No. 757

Total

4163.79

Breadth (greatest moulded)

B 54.5

Builders Harland & Wolff Ltd.

Gross Tonnage

4536.19

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

D 34.7

Owners Kingline Ltd.

Register Tonnage

2694.20

1st Longitudinal Number (L x D) = 13600

2nd Numeral L x (B + D) = 35400

Managers

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

REGISTERED DIMENSIONS. FEET.

Length

400.8.6

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

22.83

Residence

Breadth

54.8

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

11.5

Port of Registry London

Depth

23.6

Draught Moulded

23'-1 1/2"

If surveyed while building, afloat, or in dry dock

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	30		Bracket Floors, Frame	B.A. 9 x 3 1/2 x .48	
" " from 1/2 length to Collision bulkhead	27		" " Reversed Frame	B.A. 8 1/2 x 3 x .48	
" " in peaks	24		" " Vertical Struts	B.A. 8 1/2 x 3 x .48	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	42 x 54 to .44	
Frame Amidships, Angle, [or]	11 x 3 1/2 x 3 1/2 .57 W .575 F		" " top Angles	3 1/2 x 3 1/2 x .52 to .48	
" " Extends up to	Upper 10"		" " bottom Angles	4 x 4 x .58 to .54	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	1 at .42	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	36 x .52	
Depth of Framing Girder	11		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 1/2 x 3 1/2 x .42	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	6 1/2 x 3 1/2 x .39		" " 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 3 .40		Tank Side Brackets, height above base line at toe of Frame and thickness	6 1/2	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 - 5/4		INNER BOTTOM PLATING.		
State if Frame Joggled	Yes		Breadth and thickness of Middle Line Strake	52 x .50 to .44	
PANTING 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 to .38	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Three strakes of shell next keel main frame thickness 5/16. B.B. frames doubled and solid floors every frame fore of 3/4 L. Riveting as per rules.		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & W. space and framing in Bunkers and Roaming Room?	Yes	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships	7 x 3 x .44	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [or]	✓	
Middle Line Keelson, on Floors, Angles, [or]			Spacing	30	
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, [or]	10 x 3 1/2 x 3 1/2 .56	
" " Foundation Plate on Floors			Spacing	30	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [or]	✓	
Side Keelsons, No. each side			Spacing		
" thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, [or]	✓	
" Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, [or]	✓	
Solid Floors, thickness and spacing	140 at 90"		Spacing		
" " Are Frames and Reversed Frame NOT joggled?			Bridge Deck, Angle, [or]	✓	
Bracket Floors, breadth and thickness at middle line	47 x .40		Spacing		
" " breadth and thickness at margin plate	39 x .40		Forecastle Deck, Angle, [or]	✓	
			Spacing		

9873

EQUIPMENT No.										LETTER X		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.	Cwts.							
89004	64	2	21	STOCK	LESS		50	17	2	0	63 $\frac{3}{4}$	Halls & Co. Head	N. Hingley, Sons	Netherton	25/7/27	H. Green		
89003	64	2	0	"	"	"	50	15	0	0	63 $\frac{3}{4}$	Shank forged at	"	"	"	"	"	"
85182	54	2	23	"	"	"	45	4	1	14	54 $\frac{1}{2}$	Local, ditto forged W.I.	"	"	"	"	18/3/21	"
	183	3	16								182 $\frac{1}{2}$							
84997	17	3	4	4	3	15	18	18	0	14	17 $\frac{1}{2}$	Rodgers Forges W.I.	"	"	"	"	13/4/21	"

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.	Diap.	Status - Break- ing.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.					lbs.	Length.		Cir.	Ins.	Tons.	Length.	Cir.	Ins.
80556	135	2 $\frac{1}{2}$	9 $\frac{1}{2}$	127.5	344	0	20	622	4	270	2 $\frac{1}{2}$	Local	N. Hingley, Sons	Netherton	25/7/27	H. Green	TOWLINE...	180	2 $\frac{1}{2}$	153	180	2
80566	135	2 $\frac{1}{2}$	"	"	344	0	20	622	4	270	2 $\frac{1}{2}$	"	"	"	27/27	"	HAWSERS & WARPS	180	2 $\frac{1}{2}$	172	180	2
					5	3	25			90	4 $\frac{1}{2}$	Burntore	Leith.				"	180	2 $\frac{1}{2}$	12 $\frac{1}{2}$	180	2
Steel Wire	90	4 $\frac{1}{2}$															"					

Steering Gear, ~~Steam~~ *How. Ale. Shaw Electric Hydraulic* Steering Gear, Hand *How. worm opinion.*

Boats *2 Lifeboats 2 Dinghys* Steering Chains, Size and Test Windlass *Clark Chapman Electric*

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

Cargo Hatchways, (Upper Deck) *30" above Bth Beamings Ends. sides 44"* Thickness of Hatches *2 1/2"*

Size of No. 1 Hatchway (Forward) *29'5" x 20'0"* No. 2 *30'0" x 20'0"* No. 3 *27'6" x 18'0"* No. 4 *30'0" x 20'0"* No. 5 *30'0" x 20'0"* No. 6 ✓

Number of Shifting Beams and ~~or Floor Beams~~ *How? 1. 2. 4. & 5. Six; No 3 Five.*

For HARLAND AND WOLFE LIMITED,
Chas. P.

SCANTLINGS.

[illegible]

RIVETING.

[illegible]

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel— Extending to <i>Second</i> Upper Deck (Sec. 3 c) <i>Six</i> " " <i>Upper Deck</i> One (Collisions Bulk) " " Deck next below As per Rule <i>Six</i>		STIFFENERS. VERTICAL. HORIZONTAL. Scantlings/Spacing. Scantlings/Spacing.	
MIDSHIP BULK'D. Holds No 47 F. and as approved Upper lower decks 34 to 26 11x32x32x5/16 spaced 30" apart DEEP TANK AFT 84° one at Second " 34 to 30 8x8x40 BA 24x108 35x40 one at " " Third " 40 to 30 7x3x40 BA 26x124 35x40 BA " " Holds O.B. Bunkers as per approved plan COLLISION " (in Hold) 53 to 26 8x3x41 BA 24 one at beam " " " " " (see table)		RUDDER—A X D. Speed of Vessel 10 knots RUDDER mainpiece at head ... " 10 8/8 " " heel ... " 8 1/16 " " how constructed Larger Arms shrank on main piece " " double or single plate Single Plate " " coupling, vertical or horizontal Horizontal Coupling	
AFTER PEAK " " 44 to 30 8x3x40 BA 24		Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) <i>Colville, Beardmore</i> STEEL. <i>(O.A. Steel)</i> Has the Steel been tested as required by the Rules? <i>Yes.</i>	

GENERAL DECLARATION This Vessel has been built in accordance with the plans approved by the Committee, the Secretary's letter, and in general conformity with the Rules. The workmanship & materials are good. The Double Bottom Tanks, Peak Tanks, Deep Tank & Fuel Oil Bunkers have been tested as required by the Rules with satisfactory results. The weather Decks, & Watertight Bulkheads have been hose tested & found satisfactory. Steering Gear, Windlass, Bilge 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 Greenboard has been verified & cut in on the Vessel's sides

The amount of Entry Fee £ 8 : 0 : 0 } Fees applied for,
Special Survey Fee.... £ 301 : 16 : 0 } 7th Dec 1927
Freeboard 9 : 3 : 4 } Received by me,
Travelling Expenses, if any £ : : } 4.1.28
State whether the Vessel has been built under Special Survey Yes.
Certificate to be sent to This Office Date of issue 5/1/28
Signature S.O. Kendall, & Walter Langford
Surveyors to Lloyd's Register of Shipping.

Committee's Minute

TUES. 13 DEC 1927

Character assigned + 100 MT. With Freeboard

Lloyd's Ac Co

Witchell

Oil Engines

11.24

CR

DB 100 lb

Only

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W248-0011(27)

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 the Plans should be embodied.)

Midship Section, Profile sheets are enclosed for reference & it is requested that they be returned to this office to deal with following vessels.
H. Horging. Casting Reports are also enclosed.

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

1st Bower	(89004)	41. 2. 14	M.B.	2761.	27. 4. 26
2nd "	(89003)	41. 3. 3	K.H.	4042	16. 6. 26
3rd "	(85182)	34. 1. 12	W.A.D.	560	10. 2. 21

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. Complete superstructure vessel, flush

Decked without erections and with one tonnage opening.

No. and Material of Decks (this information is to be given as it should appear in the Register Book) One Deck (Steel), Shelter Deck (Steel)

Official No. 149947; Signal Letters K.W.S.B. Is bottom of Vessel coated with cement. Partly. if not give

particulars of composition. Cement in Foremast & Aftermost O.B. Tanks. Feed Water Tank under motors & in F.A. Peaks
Nothing in O.B. Oil Tanks. & other Oil Tanks. Paint in Holds

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	110	457	Fore peak tank,	In. 75 fwd	85
Double bottom, under Engines and Boilers,			After peak tank,	In. 74 aft	181
Double bottom, under Motors only, 6'-6" High P.S.	40	249	Deep tank, aft, O.F. BUNKERS	P. 47 TONS. S. 41 TONS	88
Double bottom, if under Boilers only,	183	572	Deep tank, forward,	30	1088
Double bottom, forward,			Two Lubricating Oil Other tanks, if fitted, UNDER MOTORS EACH IS 6" EACH 13 TONS		26
Total capacity of double bottom		1278	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.
333

Order for Special Survey No. 768

Date 12/3/27

Dates of Surveys held while building

1927
Jan'y 24, 25, 28, 31, Feb'y 2, 4, 9, 16, 18 Mar. 2, 4, 7, 8, 10, 14, 21, 28, 29, 30 April 1, 5, 8, 12, 14, 21
22, 26, 27, 29, May 2, 4, 5, 9, 10, 16, 17, 18, 19, 20, 23, 25, 28, 30 June 1, 3, 6, 7, 10, 14, 20, 21, 23, 28
July 8, 20, 25, 27, 29 Aug. 2, 4, 5, 8, 9, 12, 15, 17, 19, 23, 26, 31 Sept. 2, 5, 9, 15, 19, Oct. 6, 7, 10, 12, 17, 21 Nov. 1, 2, 7
11, 15, 23, 25, 28, 29

Total No. of Visits 92