

## STEEL STEAMER or MOTORSHIP.

-3 NOV 1930

Received at London Office.

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel Yes

Date of completion of report

1<sup>st</sup> November 1930 Port of Belfast

No. 10.492

Survey held at Belfast

Date First Survey

9<sup>th</sup> May 1930

Last Survey

28. October

1930

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

Single Screw "MAVIS"

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

Complete Superstructure with Tonnage Opening

State Type of Erections

Bridge on }  
Complete Superstructure }

TONNAGE under Tonnage Deck...

721.63

CLASS + 100 A 1

State if with freeboard as condition of Class Yes

Built at Belfast

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

33.06

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

L 214.65

Launched 11. Sept. 1930 Yard No. 520

Total

754.69

Breadth (greatest moulded)

B 35

Builders Workman Black (1928) Ltd.

Gross Tonnage

935.12

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

D 21.52

Owners General Steam Navigation Co. Ltd.

Register Tonnage

393.77

1st Longitudinal Number (L x D)

= 4619

Managers

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

## REGISTERED DIMENSIONS.

FEET.

Length

216.2

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

11.4

Residence

Breadth

35.1

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

10

Port of Registry London

Depth

12.1

Do. Long Bridge to top of keel

7.4

If surveyed while building, afloat, or in dry dock

Draught Moulded

13'-8"

While building, afloat in dry dock.

## 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 $\frac{3}{8}$ length to Collision bulkhead	24				" " Reversed Frame	✓			
" " in peaks	24				" " Vertical Struts	✓			
<b>SIDE FRAMING.</b>					<b>Centre Girder, depth and thickness amidships</b>	31 $\frac{1}{4}$	3	43	
<b>Frame Amidships, Angle, E or F</b>	5 $\frac{1}{2}$	3	35		" " top Angles	3	3	40	
" " Extends up to	Up. + 2 <sup>nd</sup> Dk. alt.				" " bottom Angles	3 $\frac{1}{2}$	3 $\frac{1}{2}$	42	
<b>Reversed Frame Amidships, Angle</b>	At arched brackets as appd.				<b>Side Girders, No. each side and thickness</b>	One		32	
" " Extends up to					<b>Margin Plate depth (excl. of flange) and thickness</b>	24		36	
<b>Depth of Framing Girder</b>	5 $\frac{1}{2}$				" " Vertical Angle to Tank side	3	3	34	
<b>Frames in Uppermost Continuous 'tween Decks, Angle, E or F</b>	5 $\frac{1}{2}$	3	35	4 } on alt.	" " Bracket abaft $\frac{1}{2}$ len. from stem	5	5	34	Appd. 3 x 3 x 34
" " <b>Second 'tween Decks, Angle, E or F</b>	4	3	30	sc. }	" " Vertical Angle to Tank side	10 x 12 $\frac{3}{4}$ R.			8. $\frac{3}{4}$ R.
" " <b>Third " " " "</b>	in way of bridge frames.				" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	✓			
" " <b>Fourth " " " "</b>	Intermediate } Required at ends only.				" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem	✓			
<b>Framing in Peaks, Angle, E or F</b>	6	30	44	Appd. 6 $\frac{1}{2}$ x 3 x 36.	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	45			
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	3/4 at 5 $\frac{1}{4}$				<b>INNER BOTTOM PLATING.</b>				
<b>State if Frame Joggled</b>	Yes Amidships only.				<b>Breadth and thickness of Middle Line Strake</b>	70	x	36	Appd. 43 $\frac{1}{4}$ x 38
<b>PANTING ARRANGEMENTS (Sec. 7), state system and particulars</b>	Deep frames 5 $\frac{1}{2}$ x 3 x 40 } 2 Int. Stringers 30 plate 7 x 5 x 30 }				<b>Thickness of remainder in Holds</b>	40			33
<b>STRENGTHENING OF BOTTOM FOR WARD. State Particulars</b>	Frames 5 x 5 x 32. } Extra int. girders. } Thickness of 2 strikes shell maintained from ea. side. Riv. to Rule				<b>Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. &amp; B. space and framing in Bunkers and Boiler Room?</b>	Yes.			
<b>SINGLE BOTTOM.</b>					<b>BEAMS.</b>				
<b>Floors, Depth and thickness at mid line in Holds</b>					<b>Uppermost Continuous Deck, amidships in Wells, Angle, E or F</b>	5	3	44	Appd. 5 $\frac{1}{2}$ x 3 x 36
<b>Height of Brackets at side above base line at toe of frame</b>					" " in way of Bridge, Angle, E or F	5	3	30	4 $\frac{1}{2}$ x 3 x 34
<b>Middle Line Keelson, on Floors, Angles, E or F</b>					" " Spacing	24			Appd. 5 $\frac{1}{2}$ x 3 x 36
" " Through Plate or Intercoastal Plate					<b>Second Deck, amidships, Angle, E or F</b>	5	3	30	Appd. 6 x 3 x 30
" " Foundation Plate on Floors					" " Spacing	5 $\frac{1}{2}$	3	46	
" " Flat Plate Keel Angles					<b>Third Deck, amidships, Angle, E or F</b>				
<b>Side Keelsons, No. each side</b>					" " Spacing				
" " thickness of Intercoastal Plate					<b>Fourth Deck, amidships, Angle, E or F</b>				
" " Angles					" " Spacing				
<b>DOUBLE BOTTOM.</b>					<b>Peep Deck, Angle, E or F</b>				
<b>Solid Floors, thickness and spacing</b>	32				" " Spacing				
" " Are Frame and Reversed Frame joggled?	Yes				<b>Bridge Deck, Angle, E or F</b>	6	3	32	
<b>Bracket Floors, breadth and thickness at middle line</b>	✓				" " Spacing	48			
" " breadth and thickness at margin plate	✓				<b>Forecastle Deck, Angle, E or F</b>				
					" " 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>	2	rows guides	amids.					
" in 'tween Decks, Size and Spacing.....	1	guides at ends.			Stringer Plate, breadth and thickness in way of Bridge .....	34	4	60
" " " " " "		Arched brackets			Thickness of Plating abreast Deck openings in way of Wells .....	30		
" " " " " "		pillars			Thickness of Plating abreast Deck openings in way of Bridge .....	30		
" in Holds " " " "		+ guides as per			Thickness of Plating within line of openings...	30		
" " " " " "		approved plan.			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	54	34	Appd. 42"		If Plated, state thickness .....	✓		
" " " " in way of Bridge	54	34	Appd 42"		<b>Poop Deck.</b>			
" Angle in Wells .....	3 1/2	3 1/2	34		Stringer Plate, breadth and thickness .....	✓		
Thickness of Plating abreast Deck openings in way of Wells .....	32				Plating, Sheathing, material and thickness ...	✓		
Thickness of Plating abreast Deck openings in way of Bridge .....	30				<b>Bridge Deck.</b>			
Thickness of Plating within line of openings...	30				Stringer Plate, breadth and thickness.....	42	35	
If Sheathed, material and thickness .....	Under Bridge Deck	Teakoid 1 1/2" laid on bitumen cement stiles in lavatories.			Plating, Sheathing, material and thickness ...	12" 35	Pitch fine.	
<b>Second Deck.</b>					<b>Forecastle Deck.</b>			
Stringer Plate, breadth and thickness in Wells...	54	34	Appd 42"		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. State if jogged?			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 .....	42½	47	47	47	Appd 43 at ends	Double	¾	3	3	¾	2⅝	Laps
„ DBLG. (if any)												
BOTTOM PLATING, No. of Strakes .....	73½	41	38 40	39 41		Double	¾	3	3	„	„	Laps
BILGE PLATING, No. of Strakes .....	60¼	41	40	40		Double	„	„	3	„	„	„
SIDE PLATING, No. of Strakes .....	60½ 66	41	38	40		Single	„	„	2	„	„	„
UPPER DECK, Sheer- strake in Wells.....	63	41	38	38					3	„	„	„
UPPER DECK, Sheer- strake in Bridge ...	63	41				Single	¾	3	3	„	„	„
STRAKE BELOW Sheer- strake in Wells.....	60	41	38	38		Single	„	„	3	„	„	„
STRAKE BELOW Sheer- strake in Bridge ...	60	41				Single	„	„	3	„	„	„
POOP SIDE PLATING .....		✓										
BRIDGE SIDE PLATING ...		36				Single	¾	3	2	¾	2⅝	Laps.
FORECASTLE SIDE PLATING		✓										

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>	Five
Extending to Upper Deck (Sec. 3 c)	One (Collision)
" Deck next below	Four
As per Rule	Four

## 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>	Rolled bar	7 1/2" x 3/4"		
<b>STERN FRAME</b>	Propeller Post	basting		See plan
	Rudder	"		
<b>RUDDER—A x D.....</b>				
<b>Speed of Vessel.....</b>		10 1/2 knots		
<b>RUDDER mainpiece at head ...</b>		6"		
" " heel ...		Over the rudder see plan.		
" how constructed .....		basting plates + angles.		
" double or single plate		Doubling		
" coupling, vertical or horizontal .....		Horizontal		

## STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKH'D, Upper tween decks</b>					
" " Second "					
" " Third "					
" " Holds (34 ft.)	26 5/8	38	5 1/2 x 3 x 30	30	Top of Thrust
<b>COLLISION</b> " (in Hold) .....	26 5/8	43	4 x 3 x 34	24	2nd Bk + Semi-bol beam.
<b>AFTER PEAK</b> " " .....	30 5/8	40	6 x 3 x 36	24	Tunnel Recess Top.

<b>STEEL.</b>	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	Open hearth process.
	Steel Company of Scotland Ltd., James Dunlop & Co. Ltd., Lancashire Steel Co., British (Quaker Run) Steel Co., Ltd., David Colville & Sons Ltd., Bessett & Co. Ltd., Ballinacree Ltd.	
	Has the Steel been tested as required by the Rules?	Yes. Invoices herewith.



EQUIPMENT No 12503												LETTER n		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.			
63986	1st Bower ...	24	3	24	Stockless			24	15	-	-	24 - 1 - 10	Taylor Drednought	S. Taylor & Sons Ltd.	Tipton 23.7.30
63985	2nd „ ...	24	3	17	-do-			24	12	3	7	24 - 1 - 9	-do-	-do-	W. A. Drysdale
63984	3rd „ ...	24	2	20	-do-			24	8	1	21	24 - 1 - 9	-do-	-do-	-do-
	Collective weight.	74	2	5								73 - 0 - 0			
92017	Stream .....	6	3	3	1	3	5	9	2	2	*	6 - 2 - 0	Rodgers.	N. H. Hingley & Sons Ltd.	Netherthorpe 1.8.30. H. Green.

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.		Supplied.	Per Rule.	Cwts.	qrs.	lbs.	Fathoms.	Ins.				Length.	Ins.		Length.	Ins.	
94940	105 5/8	1 1/2	40 1/2	58 7/10	122 - 0 - 26						Stud link	N. Hingley & Sons Ltd. Netherthorpe 7/8/30 H. Green.	TOWLINE...	90	3 1/4	21 7/10	90	3 1/4	
94953	105 5/8	1 1/2	40 1/2	58 7/10	122 - 1 - 19						"	"	"	90	2 1/4	10 1/10	90	2 1/4	
73804	210		40 1/2		3 - 24						+ 2 spare end shackles.	"	"	90	2 1/4	10 1/10	90	2 1/4	
95697	75 5/8	1 5/16	15 1/10	23 7/10	36 - 0 - 22	34 - 0 - 0			75	15 1/16	Stud link	N. Hingley & Sons Ltd. Netherthorpe 7/8/30 H. Green.	"						

Steering Gear, Steam *Hasties Steam Steering Gear* Steering Gear, Hand *Dunkins.*  
Boats *lifeboats 2 22' 5" x 7' 4" x 2' 8 1/2" + one dinghy* Steering Chains, Size and Test *7/8 dia. shot link. 9 1/2 tons* Windlass *Emerson Walker Ho. Steam.*  
Ceiling in Holds, thickness and material *3" P.P. Steel corning* Cargo Battens, thickness, material and spacing *6" x 2" W.P. spaced 9' clear.*  
Cargo Hatchways.—(Upper Deck) *No. 1. 14' x 16' No. 2. 28' x 16' No. 3. 29' 8" x 16'* Thickness of Hatches *3"*  
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 *No. 1. 2. No. 2. 5. No. 3. 5*

WORKMAN CLARK (1928) LIMITED.

Builder's Signature

*J. Cunningham*  
SECRETARY

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 built in accordance with the approved plans, the Secretary's letters & generally in conformity with the Society's Rules. The materials & workmanship are satisfactory. The freeboards as assigned have been marked, verified & cut in on the vessel's sides. The double bottom & fore & after peak tanks have been tested as required by the Rules, and the weather decks, watertight bulkheads and tunnel have tested with satisfactory results. The ash shoot has also been tested satisfactorily. The steering gear, windlass, watertight door & hand pump have been tried & found satisfactory.*

*The requirements of Sect. 20 D of the Rules have been carried out so far as concerns Nos. 3 & 4 double bottom tanks, situated at after end of No. 2 hold & under cross bunker, and under boilers respectively. A cofferdam is arranged in the double bottom at the after end of this space.*

The amount of Entry Fee ..... £ *4 : - : -*

Fees applied for,

Special Survey Fee.... £ *93 : 10 : -*

*Freeboard 3 : 6 : 8*

Travelling Expenses, if any £ : : :

Received by me,

*10.11.30*

I am of opinion the Vessel should be Classed *+ 100 A 1*

*"With Freeboard"*

State whether the Vessel has been built under Special Survey *Yes*

Signature

*L. R. Edgar*

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Belfast*

Date of issue *12/11/30*

Committee's Minute

TUE. 11 NOV 1930

Character assigned

*+ 100 A 1*

*With freeboard*

*Lloyd's arcp,*

*+ d.m.b. 10.30 C.L.*



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Lloyd's Register Foundation

W286-006841



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.)

Copies of the approved plans are filed in the London office. Approved plans as shown on list below are forwarded herewith, together with midship section plan as built, forging & casting reports & steel certificates.

- Profile & deck plans
- Stemframe to suit Oerke Rudder (2)
- Stemframe as ordered.
- Scotch of stemframe
- Oerke rudder
- Rudder stock
- Pumping arrangements.
- Pillars & girders
- After end framing
- Bridge front
- Quadrant stiller
- Upper gudgeon on stem frame.

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower.	2nd "	3rd "
	16	16	16
	2	1	2
	8	24	25

Ybeeds forged.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge 64 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) 1 DK. (Std.) + Shelter dk (Std.)

Official No. 162496 : Signal Letters L.G.N.P. 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,	48	58	Fore peak tank,	12.5	31
Double bottom, under Engines and Boilers, <i>Not including cofferdam 2 ft.</i>	34	69	After peak tank,	8.5	19
Double bottom, if under Engines only, <input checked="" type="checkbox"/>			Deep tank, aft, <input checked="" type="checkbox"/>		
Double bottom, if under Boilers only, <input checked="" type="checkbox"/>			Deep tank, forward, <input checked="" type="checkbox"/>		
Double bottom, forward,	98	158	Other tanks, if fitted, <input checked="" type="checkbox"/>		
Total capacity of double bottom		285	(If necessary, furnish further information by sketch.)		

Total len. of dble bottom inc. cofferdam = 182 ft. \* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 824  
Date 24<sup>th</sup> March 1930

Dates of Surveys held while building

1930  
May 9. June 9. 10. 18. 25. 26. 30 July 2. 3. 8. 9. 10. 13. 28. 29. 30 Aug 5. 12. 21. 27. 29  
Sept 1. 2. 3. 4. 5. 8. 9. 10. 11. 17. 18. 23. 26. 30 Oct 3. 6. 7. 9. 10. 14. 15. 16. 20. 23. 24. 27. 28