

## STEEL STEAMER or MOTORSHIP.

Received at London Office

State if Report has been sent on the Freeboard of the Vessel NoState if Report is sent on the Machinery of the Vessel YES

NEWCASTLE-ON-TYNE.

Date of completion of report

Port of

No. 80397Survey held at WalkerDate First Survey 14 Sept. 1925Last Survey 4 May1926

On the (State if Machinery fitted with or without Tonnage Openings)

SINGLE SCREW MOTOR VESSEL BELRAYMACHINERY AFT.

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

Full ScantlingState Type of Erections P. B. & F.

TONNAGE under

Tonnage Deck...

2454.44CLASS +100 A1.State if with freeboard as condition of Class NoBuilt at Walker, Newcastle-on-TyneLaunched 15th Sept 1926 Yard No. 1013

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

Total

2454.44

Gross Tonnage

2887.55

Register Tonnage

1677.84

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

L 318.2

Breadth (greatest moulded)

B 46.0

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

D 23.25

1st Longitudinal Number (L x D)

= 7398.45

2nd Numeral L x (B + D)

= 22035.35

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

20.75

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

13.68

Do. Long Bridge to top of keel

Draught Moulded

19.52

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

Residence

Port of Registry Oporto

If surveyed while building, afloat, or in dry dock

Building & 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.
FRAMES, Spacing amidships	<u>24 1/2</u>		Bracket Floors, Frame	<u>7 1/2 3 1/2 .43</u>	
" " from 1/2 length to Collision bulkhead	"		" " Reversed Frame	<u>7 3 .43</u>	
" " in peaks	<u>24</u>		" " Vertical Struts	<u>7 3 .46</u>	
IDE FRAMING.			Centre Girder, depth and thickness amidships	<u>36 1/2 x .46</u>	
Frame Amidships, Angle, <u>E or C</u>	<u>10 3 1/2 .44</u>		" " top Angles	<u>3 3 .43</u>	
" " Extends up to	<u>upper deck</u>		" " bottom Angles	<u>3 1/2 3 1/2 .49</u>	
Reversed Frame Amidships, Angle	<u>✓</u>		Side Girders, No. each side and thickness	<u>one 34</u>	
" " Extends up to	<u>✓</u>		Margin Plate depth (excl. of flange) and thickness	<u>31 .41</u>	
Depth of Framing Girder	<u>10</u>		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<u>7 6 1/2 6 1/2 .53 ON STRONG FRAMES</u>	
Frames in Uppermost Continuous 'tween Decks, Angle, <u>C</u> or <u>E</u>	<u>✓</u>		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	<u>7 6 4 .54</u>	
" " Second 'tween Decks, Angle, <u>C</u> or <u>E</u>	<u>✓</u>		" " Gussets, spacing and scantling abaft 1/2 len. from stem	<u>8 @ 1/8 in.</u>	
" " Third " " " "	<u>✓</u>		" " Gussets, spacing and scantling forward 1/2 len. from stem	<u>.40 alternate frames</u>	
Framing in Peaks, Angle or <u>C</u>	<u>6 3 .43</u>		Tank Side Brackets, height above base line at toe of Frame and thickness	<u>54 39</u>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<u>7/8 6 8 x 3/4 .44</u>		INNER BOTTOM PLATING.		
State if Frame Joggled	<u>yes</u>		Breadth and thickness of Middle Line Strake	<u>46 1/2 .42</u>	
STRENGTHENING ARRANGEMENTS (Sec. 7), state system and particulars	<u>channel frames &amp; 3 side stringers</u>		Thickness of remainder in Holds	<u>36 .34</u>	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<u>frames doubled, all side girders, midship thickness of floor plating maintained.</u>		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?	<u>yes</u>	
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	<u>✓</u>		Uppermost Continuous Deck, amidships in Wells, Angle, <u>E or C</u>	<u>9 3 1/2 .49</u>	
Height of Brackets at side above base line at toe of frame	<u>✓</u>		" " in way of Bridge, Angle, <u>C or E</u>	<u>Plate Beams</u>	
Middle Line Keelson, on Floors, Angles, <u>C</u> or <u>E</u>	<u>✓</u>		Spacing	<u>every frame</u>	
" " Through Plate or Intercoastal Plate	<u>✓</u>		Second Deck, amidships, Angle, <u>C</u> or <u>E</u>	<u>✓</u>	
" " Foundation Plate on Floors	<u>✓</u>		Spacing	<u>✓</u>	
" " Flat Plate Keel Angles	<u>✓</u>		Third Deck, amidships, Angle, <u>C</u> or <u>E</u>	<u>✓</u>	
Side Keelsons, No. each side	<u>✓</u>		Spacing	<u>✓</u>	
" " thickness of Intercoastal Plate	<u>✓</u>		Fourth Deck, amidships, Angle, <u>C</u> or <u>E</u>	<u>✓</u>	
" " Angles	<u>✓</u>		Spacing	<u>✓</u>	
DOUBLE BOTTOM.			Poop Deck, Angle, <u>E or C</u>	<u>7 3 .34</u>	
Solid Floors, thickness and spacing	<u>34 alternate frames generally &amp; no profile</u>		Spacing	<u>every frame</u>	
" " Are Frame and Reversed Frame joggled?	<u>yes</u>		Bridge Deck, Angle, <u>E or C</u>	<u>7 3 .34</u>	
Bracket Floors, breadth and thickness at middle line	<u>27 x .34 flanges 3"</u>		Spacing	<u>every frame</u>	
" " breadth and thickness at margin plate	<u>27 x .34</u>		Forecastle Deck, Angle, <u>E or C</u>	<u>7 3 .36 1/2</u>	
			Spacing	<u>every frame</u>	



# 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</b> , No. of Rows.....			✓		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 „ „			✓		Thickness of Plating within line of openings...	✓			
„ „ „ „ „			✓		If Sheathed, material and thickness .....	✓			
<b>Centre Line Bulkhead.</b>					<b>Third Deck.</b>				
Stiffeners and Spacing.....				<i>As per profile</i>	Stringer Plate, breadth and thickness.....	✓			
Plating, thickness of .....			30		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	48	70			If Plated, state thickness .....	✓			
„ „ „ „ in way of Bridge	52	94			<b>Poop Deck.</b>				
„ Angle in Wells .....	6	6	70		Stringer Plate, breadth and thickness .....	29 1/2	32		
Thickness of Plating abreast Deck openings in way of Wells .....			58		Plating, Sheathing, material and thickness ...	34 1/2	30	5 x 2 1/2 P.P.	
Thickness of Plating abreast Deck openings in way of Bridge .....			✓		<b>Bridge Deck.</b>				
Thickness of Plating within line of openings...			34		Stringer Plate, breadth and thickness.....	36 1/2	38		
If Sheathed, material and thickness .....			✓		Plating, Sheathing, material and thickness ...	34			
<b>Second Deck.</b>					<b>Forecastle Deck.</b>				
Stringer Plate, breadth and thickness in Wells...			✓		Stringer Plate, breadth and thickness.....	29 1/2	32		
					Plating, Sheathing, material and thickness ...	32 1/2			

## SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? <i>Not</i>	SINGLE OR DOUBLE.	RIVETS.		No. of Rows of Rivets.	STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.		
FLAT PLATE KEEL .....	46	63	58	58		<i>Double</i>	7/8	3	3	7/8	3 1/2 <i>Lapped</i>
„ DBLG. (if any)	✓	✓	✓	✓		„	✓	✓	✓	✓	✓
BOTTOM PLATING, No. of Strakes ..... 3.....		50	50	50 + 56		<i>Double</i>	3/4	3	3	3/4	2 1/8 <i>Lapped</i>
BILGE PLATING, No. of Strakes ..... 2.....		50	46 + 42	48 + 50		„	7/8	3 1/2	3	„	„
SIDE PLATING, No. of Strakes ..... 2.....		50	40	50 + 40		„	„	„	3	„	„
UPPER DECK, Sheer-strake in Wells.....	48	73	65	40		„	1	„	4	1	3 1/2
UPPER DECK, Sheer-strake in Bridge ...	48	98	✓	✓		„	„	„	„	„	„
STRAKE BELOW Sheer-strake in Wells.....	48	62	40	40		„	7/8	„	„	7/8	„
STRAKE BELOW Sheer-strake in Bridge ...	48	62	✓	✓		„	„	„	„	„	„
POOP SIDE PLATING .....			49	34		<i>D. + S.</i>	3/4	3	3	3/4	2 1/8
BRIDGE SIDE PLATING ...		38				<i>D</i>	„	3	2	„	„
FORECASTLE SIDE PLATING			38			<i>S</i>	„	3	„	„	„

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>	
Extending to Upper Deck (Sec. 3 c) <i>5</i>	
As oil bunkers bulkhead (Including oil fuel bunkers) <i>5</i>	
Deck next below <i>5</i>	
As per Rule	

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKH'D</b> , Upper tween decks	✓				
„ „ Second „	✓				
„ „ <i>4060</i> „					
„ „ <i>Oil fuel bunker as app?</i> „					
„ „ Holds <i>(F.R.P.H.)</i> 43 - 26 10 3 1/2 46 30				✓	✓
<b>COLLISION</b> „ (in Hold) .....	46 - 30	11 3 1/2	28	24	✓
<b>AFTER PEAK</b> „ „ .....	44 - 30	7 3 1/2	44	„	✓

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL</b> , Bar .....				<i>Flat plate</i>
<b>STEM</b> .....				<i>Stl Rolled 8 1/4 x 2 1/4 Industrial Steel Co.</i>
<b>STERN FRAME</b> { Propeller Post .....				<i>Forging 9 x 5 1/8 Sld Forge</i>
{ Rudder „ .....				<i>9 1/8 x 5 1/8</i>
<b>RUDDER—A x D</b> .....		80 x 3 1/2 = 256		
<b>Speed of Vessel</b> .....		10 3/4 knots		
<b>RUDDER</b> mainpiece at head ...				<i>Forging 7 1/2 Pipe Forge Co.</i>
„ heel ...				<i>5 1/2 Sld Forge Co.</i>
„ how constructed .....				<i>2 pieces. Keyed arms</i>
„ double or single plate				<i>Single plate</i>
„ coupling, vertical or horizontal.....				<i>Horizontal Coupling</i>

<b>STEEL.</b>	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) <i>S. M. O. F. Bolckson</i>
	<i>Vancouver Res. Cargo Fleet. C. Calville &amp; Co. Doorman Long &amp; Co. Lancashire St &amp; Co.</i>
	<i>Base &amp; Partners: Raimond &amp; Co. Corbett &amp; Co. S. D. &amp; Co.</i>
	Has the Steel been tested as required by the Rules? <i>Yes.</i>



25 MAY 1926

EQUIPMENT No. 23/35

LETTER 77

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.				
27280	1st Bower ...	46	2	14	Stackless			40	5	1	7	45. 0. 0	Byers Improved	✓	Slid 3.2.26 J.H. Butler
27277	2nd „ ...	44	-	14	„			38	14	-	7	45. 0. 0	Stackless	✓	„ „ „
29242	3rd „ ...	38	-	7	„			34	11	2	7	38. 0. 0	„	✓	„ „ „
	Collective weight.	128	3	7								128. 0. 0		✓	„ 28.1.26 „
24254	Stream .....	12	2	-	3	2	-	14	6	1	0		Rodgers	✓	„ 22.2.26 „

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.	Length.	Diam.					Length.	Cir.		Length.	Cir.
13980	270	1 1/2	✓	519 3.7	511.2.0		270	1 1/2	Stackless	Staylor & Co	L.W. 22.2.26	LOWLINE	100	4	33	100	4
13980	90	1 1/4	✓				90	1 1/4	G.S.W. Glaholm & Makin's	Rotherham Co	8.3.26	HAWSERS & WARPS	20 90	4	man	20 90	2 1/2
													20 90	6		20 90	2 1/4

Steering Gear, Steam *Danpin - Scott (Electric)* Steering Gear, Hand *Danpin*

Boats *2 @ 22'0" x 1 beam 16'* Steering Chains, Size and Test *None* Windlass *Clark Chapman & Co*

Ceiling in Holds, thickness and material *2 1/2" wp. on 2" girders* Cargo Battens, thickness, material and spacing *6' x 2" wp. spaced 9'*

Cargo Hatchways.-(Upper Deck) *Steel craming & reaper special plan.* Thickness of Hatches *2 1/2" N° 2 & 3, 3" N° 1*

Size of No. 1 Hatchway (Forward) *36' 9" x 20' 6"* No. 2 *51' 0 1/2" x 20' 6"* No. 3 *51' 0 1/2" x 20' 6"* No. 4 *✓* No. 5 *✓* No. 6 *✓*

Number of Shifting Beams and Fore and Afters *N° 1 = 9, N° 2 = 14, N° 3 = 14*

SIR W. G. ARMSTRONG, WHITWORTH & CO. LTD.

Builder's Signature

*N. G. Williams*

GENERAL MANAGER.

GENERAL DECLARATION

*This vessel has been constructed in accordance with the approved plans, the Secretary's letters and in general conformity with the Society's Rules.*

*The materials and workmanship are satisfactory.*

*The approved plans for the S.S. "Belnox" which were approved also for this vessel are enclosed together with a copy of the midship section and profile and deck plan of the vessel as built. Fording reports are also enclosed. - All double bottom and peak tanks, deep tank and fresh water tanks have been tested as required by the Rules. Decks and bulkheads boxed. One intermediate bulkhead in hold dispensed with: 4 bulkheads only. (See Secretary's letter dated 31.10.24). The Owners consent to this is embodied in the letter forwarded for S.S. "Belnox", same builders' 100% vessel*

The amount of Entry Fee ..... £ 6 : 0 : 0

Special Survey Fee .... £ 219. 8 : 0

Travelling Expenses, if any £ : ✓ :

Fees applied for,  
20 MAY 1926  
Received by me,  
1.7.26

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

State whether the Vessel has been built under Special Survey *yes.*

Signature

*R. Langlands*

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to **NEWCASTLE-ON-TYNE**

Date of issue

*2/7/26*

Committee's Minute

**FBI. 28 MAY 1926**

Character assigned

*100 A1.*

*Lloyd's A.C.P.*

*+ L.M.C. 5.26*

*Oil Engines*



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Lloyd's Register Foundation



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.)

Vessel examined in dry dock and bottom cleaned and painted. (Middle dock Dry Dock).

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

1st Bower

28.3.14 K.H.

3702

17.12.25

2nd "

24.1.5 K.H.

3601

31.8.25

3rd "

22.1.6 K.H.

3540

30.7.25

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 86.2 ft., R.Q.D. ☒ ft., Bridge 22.5 ft., Forecastle 25.8 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 (stl) One intermediate bulkhead in hold supported with 4 bulkheads only

Official No. ; Signal Letters

Is bottom of Vessel coated with cement ☒ if not ☐

Particulars of composition in all double-bottom tanks & peaks, except O.F. tanks ☒ filllets.

### 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,	42.89	73.50	After peak tank,	24.45	154.00
Double bottom, if under Engines only,			Deep tank, aft,	18.08	98.00
Double bottom, if under Boilers only,			Deep tank, forward, (O.F.)		
Double bottom, forward,	218.46	586.50	Other tanks, if fitted,		
	Total capacity of double bottom	660.00	(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. 5147

Date 13.7.25

Dates of Surveys held while building

1925  
Sep. 14. 17. Oct. 9. 30. Nov. 11. 13. 19. 24. Dec. 7. 11.  
15. 18. 22. 23. 25. 26. Apr. 6. 7. 15. 19. 20. May 4.  
1926  
Jan. 7. 15. 18. 20. Feb. 1. 4. 8. 9. 10. 11. 12. 14.

Total No. of Visits 33