

STEEL STEAMER or MOTORSHIP.

Received at London Office 20 MAY 1925

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 *20/5/25*Port of *NEWCASTLE-ON-TYNE*No. *79247*Survey held at *Hellburn-on-Tyne*Date First Survey *5th Jan 1925*Last Survey *14th May*

1925

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

*Single Sc. 502 steamer**"NORTHGATE" (mch 24-)*

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

*Full Scantling*State Type of Erections *R.Q.D.K., B & F.*TONNAGE under Tonnage Deck... *328.03*CLASS *+100 A1*State if with freeboard as condition of Class *without*Built at *Hellburn-on-Tyne*

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 144.0*Launched *23rd Apr 1925* Yard No. *539*Total *328.03*Breadth (greatest moulded) *B 25.0*Builders *R.W. Hawthorn Leslie & Co. Ltd.*Gross Tonnage *425.30*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 12.58*Owners *Pease and Partners Ltd*Register Tonnage *154.60*1st Longitudinal Number (L x D) *= 1811.52*

Managers

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

REGISTERED DIMENSIONS.

FEET.

Length *144.9*Framing Depth "d," at middle of length. See Sec. 3 (1d) *11.46*Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.45*Residence *Darlington*Breadth *25.25*Port of Registry *Stockton*Depth *11.75*Draught Moulded *11.6 1/2*

If surveyed while building, afloat, or in dry dock

Building and 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.
IES, Spacing amidships	<i>22</i>	<i>✓</i>	Bracket Floors, Frame		
" from 1/2 length to Collision bulkhead.....	<i>22</i>	<i>✓</i>	" " Reversed Frame.....	<i>✓</i>	
" in peaks..... <i>AFT</i>	<i>21</i>	<i>✓</i>	" " Vertical Struts.....		
FRAMING.			Centre Girder, depth and thickness amidships		
Amidships, <i>ANGLES</i>	<i>5 3 .44</i>	<i>✓</i>	" " top Angles.....	<i>✓</i>	
" " Extends up to.....	<i>gunwale</i>	<i>✓</i>	" " bottom Angles.....		
Reversed Frame Amidships, Angle.....	<i>2 1/2 2 1/2 .29</i>	<i>✓</i>	Side Girders, No. each side and thickness	<i>✓</i>	
" " Extends up to.....	<i>across floor</i>	<i>✓</i>	Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder.....	<i>5" x 6"</i>	<i>✓</i>	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem.....		
Frames in Uppermost Continuous 'tween Decks, Angle, [or [.....	<i>✓</i>		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem.....	<i>✓</i>	
" Second 'tween Decks, Angle, [or [.....	<i>✓</i>		" " Gussets, spacing and scantling abaft 1/2 len. from stem.....		
" Third " " " ".....	<i>✓</i>		" " Gussets, spacing and scantling forward 1/2 len. from stem.....		
Framing in Peaks, Angle <i>FOR</i> <i>AFT</i>	<i>4 3 .35</i>	<i>✓</i>	Tank Side Brackets, height above base line at toe of Frame and thickness	<i>✓</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships.....	<i>5/8" 7-5 1/2 diameter</i>	<i>✓</i>	INNER BOTTOM PLATING.		
State if Frame Joggled.....	<i>yes</i>	<i>✓</i>	Breadth and thickness of Middle Line Strake.....	<i>✓</i>	
PLATING ARRANGEMENTS (Sec. 7), state system and particulars.....	<i>1 stringer 14 1/2 x .25 ✓</i> <i>2nd frames 12 x .30 ✓</i> <i>Beams in Fox peaks ✓</i>		Thickness of remainder in Holds.....		
LENGTHENING OF BOTTOM FORWARD. State Particulars.....	<i>2 stringers moulded thickness 2 1/2" (for 1/2)</i> <i>double frames on bottom.</i> <i>Intercostals</i>		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?.....	<i>✓</i>	
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds.....	<i>13 1/2 .29</i>	<i>✓</i>	Uppermost Continuous Deck, amidships in Wells, Angle, <i>E or F</i>	<i>5 3 .30</i>	<i>✓</i>
Height of Brackets at side above base line at toe of frame.....	<i>27"</i>	<i>✓</i>	" " in way of Bridge, Angle, <i>E or F</i>	<i>4 3 .34</i>	<i>✓</i>
Middle Line Keelson, on Floors, Angle, <i>E or F</i>	<i>7 1/2 3 .46</i>	<i>✓</i>	Spacing.....	<i>22</i>	<i>✓</i>
" " Through Plate or Intercostal Plate.....	<i>34</i>	<i>✓</i>	Second Deck, amidships, Angle, [or [.....		
" " Foundation Plate on Floors.....			Spacing.....		
" " Flat Plate Keel Angle.....	<i>4 1/2 4 1/2 .44</i>	<i>✓</i>	Third Deck, amidships, Angle, [or [.....		
Side Keelsons, No. each side.....	<i>two</i>		Spacing.....		
" " thickness of Intercostal Plate.....	<i>.25</i>	<i>✓</i>	Fourth Deck, amidships, Angle, [or [.....		
" " Angles.....	<i>3 1/2 3 .32</i>	<i>✓</i>	Spacing.....		
SOLID BOTTOM.			R.Q. POOP Deck, Angle, <i>E or F</i>.....	<i>5 3 .30</i>	<i>✓</i>
Solid Floors, thickness and spacing.....	<i>✓</i>		Spacing.....	<i>22</i>	<i>✓</i>
" " Are Frame and Reversed Frame joggled?.....	<i>✓</i>		Bridge Deck, Angle, <i>E or F</i>.....	<i>4 3 .32</i>	<i>✓</i>
Bracket Floors, breadth and thickness at middle line.....	<i>✓</i>		Spacing.....	<i>44</i>	<i>✓</i>
" " breadth and thickness at margin plate.....	<i>✓</i>		Forecastle Deck, Angle, <i>E or F</i>.....	<i>6 3 .38</i>	<i>✓</i>
			Spacing.....	<i>22" x 44</i>	<i>✓</i>

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</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>2 5/8"</i>		Thickness of Plating within line of openings...				
" " " " " "					If Sheathed, material and thickness				
Centre Line Bulkhead.					Third Deck.				
Stiffeners and Spacing.....			<i>✓</i>		Stringer Plate, breadth and thickness.....				
Plating, thickness of			<i>✓</i>		If Plated, state thickness.....			<i>✓</i>	
STRINGERS AND DECKS.					Fourth Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....			<i>✓</i>	
Stringer Plate, breadth and thickness in Wells	<i>60</i>	<i>40</i>	<i>full width to hatch coaming</i>		If Plated, state thickness				
" " " " in way of Bridge	<i>60</i>	<i>30</i>			Poop Deck.				
" Angle in Wells	<i>3 1/2</i>	<i>3 1/2</i>	<i>40</i>		Stringer Plate, breadth and thickness				
Thickness of Plating abreast Deck openings in way of Wells		<i>.40</i>			Plating, Sheathing, material and thickness ...				
Thickness of Plating abreast Deck openings in way of Bridge	<i>no opening</i>				Bridge Deck.				
Thickness of Plating within line of openings...		<i>.30</i>			Stringer Plate, breadth and thickness.....	<i>27</i>	<i>.25</i>		
If Sheathed, material and thickness	<i>2 1/2"</i>	<i>WP.</i>			Plating, Sheathing, material and thickness ...	<i>Tie plates</i>	<i>.26</i>	<i>.40</i>	
Second Deck.					Forecastle Deck.				
Stringer Plate, breadth and thickness in Wells...	<i>✓</i>				Stringer Plate, breadth and thickness	<i>14 1/2</i>	<i>.25</i>		
					Plating, Sheathing, material and thickness ...	<i>.35</i>	<i>+ 2 1/2 P.P.</i>		

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			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	<i>38</i>	<i>.52</i>	<i>.48</i>	<i>.48</i>	<i>✓</i>	<i>double</i>	<i>3/4</i>	<i>3"</i>	<i>three</i>	<i>3/4</i>	<i>2 5/8</i>	<i>Lapped</i>
" DBLG. (if any)		<i>✓</i>										
BOTTOM PLATING, No. of Strakes <i>2</i>		<i>.34</i>	<i>.30</i>	<i>.34</i>	<i>✓</i>	<i>single</i>	<i>5/8</i>	<i>2 1/2</i>	<i>two</i>	<i>5/8</i>	<i>2 1/4</i>	<i>"</i>
BILGE PLATING, No. of Strakes <i>one</i>		<i>.34</i>	<i>.32</i>	<i>.34</i>	<i>✓</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
SIDE PLATING, No. of Strakes <i>one</i>		<i>.34</i>	<i>.32</i>	<i>.34</i>	<i>✓</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
UPPER DECK, Sheer-strake in Wells.....		<i>.46</i>	<i>.42</i>	<i>.42</i>	<i>✓</i>				<i>three</i>	<i>3/4</i>	<i>2 5/8</i>	<i>"</i>
UPPER DECK, Sheer-strake in Bridge		<i>.52</i>	<i>.30</i>	<i>.30</i>								
STRAKE BELOW Sheer-strake in Wells.....		<i>.36</i>	<i>.36</i>	<i>.30</i>	<i>✓</i>	<i>double</i>	<i>3/4</i>	<i>3"</i>	<i>double</i>	<i>5/8</i>	<i>2 1/4</i>	<i>"</i>
STRAKE BELOW Sheer-strake in Bridge ...		<i>.36</i>			<i>✓</i>							
POOP SIDE PLATING		<i>.34</i>										
BRIDGE SIDE PLATING ...		<i>.34 + .25</i>				<i>single</i>	<i>5/8</i>	<i>2 1/2</i>	<i>lower plate double</i>	<i>5/8</i>	<i>2 1/4</i>	<i>"</i>
FORECASTLE SIDE PLATING		<i>.25</i>				<i>"</i>	<i>"</i>	<i>2 1/2</i>	<i>double</i>	<i>5/8</i>	<i>2 1/4</i>	<i>"</i>

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS, in Vessel—					
Extending to Upper Deck (Sec. 3 c).....		four			
,, Deck next below.....		✓			
As per Rule.....		three.			
	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD., Upper tween decks		<i>Perfect transverse Bulkheads fitted 7/38.</i> BA			
,, Second ,,					
,, Third ,,					
,, Holds <i>frame 28</i>					
COLLISION (in Hold)		39" x 26"	5½ x 3 x 30	30	-
AFTER PEAK		35" - 30	9½ x 3½ x 50	24	
		35" - 30	7½ x 3 x 32	24	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		<i>Flat Plate</i>		<i>✓</i>
STEM	<i>rolled</i>	<i>5 x 1 1/2</i>	<i>Drummond Tomlinson</i>	<i>approved 5 7/8 x 1 1/2</i>
STERN FRAME	<i>forging</i>	<i>5 3/4 x 3</i>	<i>Cleland</i>	<i>✓</i>
		<i>5 1/2 x 3</i>		
RUDDER—A x D.		<i>60.6</i>		<i>✓</i>
Speed of Vessel	<i>under 10 knots</i>			<i>✓</i>
RUDDER mainpiece at head ...	<i>forced</i>	<i>4"</i>	<i>Cleland</i>	<i>✓</i>
" " heel ...		<i>3"</i>		<i>✓</i>
" how constructed		<i>arms shrunk & keyed</i>		<i>✓</i>
" double or single plate		<i>single .70"</i>		<i>✓</i>
" coupling, vertical or horizontal.....		<i>horizontal</i>		<i>✓</i>

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

South Durham Co.

open hearth process

Has the Steel been tested as required by the Rules?

yes

EQUIPMENT No.												LETTER	ANCHORS.		
Number of Certificate.	Anchor.	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.			
40784	1st Bower ...	9	2	18	-	-	-	11	13	1	21	✓ 9-0-0	Portamnic	R. Sykes & Son	C. Heath, 23.3.25. Paul
40785	2nd „ ...	8	2	14	-	-	-	10	15	0	0	✓	„	„	„ „ „ „
	3rd „ ...												„	„	„ „ „ „
	Collective weight.	18	1	4	✓							✓ 18-0-0			
38429	Stream	3	2	20	✓	1	0	8	6	0	3	21	3-0-0	Ordinary	„ „ „ 5.4.25. „

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.	Tons.		Fathoms.	Ins.	Length.
59694	165½	1"	✓	✓	84	0	18	84	165	1"	slud	—	Toplon 3-4-25 Drydock	TOWLINE...	75	22	12½	75	2½
Iron Stream Chain or Steel Wire	45	Cir. 2½	✓	✓					45	Cir. 2½				HAWSERS & WARPS	90	2"	7	90	2"
														"					
														"					

Steering Gear, Steam
Combined Steam Hand (Ingham)
Steering Gear, Hand
combined steam hand

Boats
2 - 17'-0"
Steering Chains, Size and Test
5/8" test 4-12-2-0
Windlass
Steam. Clarke Chapman

Ceiling in Holds, thickness and material
2½" W.P. + 2" doubling under hatchway
Cargo Battens, thickness, material and spacing
none fitted

Cargo Hatchways.-(Upper Deck)
one only
Thickness of Hatches
2½

Size of No. 1 Hatchway (Forward)
40'4" x 15'
No. 2
No. 3
No. 4
No. 5
No. 6

Number of Shifting Beams and/or Fore and Afters
8

R. & W. HAWTHORN, LESLIE & CO LIMITED

Builder's Signature
Jm. T. Baily

GENERAL DECLARATION
This vessel has been built in accordance with the approved plans the Society's Rules & the Committee's instructions. The workmanship and materials are good and to my satisfaction. All ballast tanks (fore peak, aft peak & deep tank for?) have been tested under pressure required by the rules. Weather decks & the bulkhead - not tested under pressure - have been tested by hoisting. There is no tunnel. The assigned freeboard has been marked on vessel's sides, verified and cut in. Copies of approved plans are forwarded herewith. also midship section for vessel as built.

the amount of Entry Fee £ 3 : 0 : 0
Special Survey Fee.... £ 42 : 10 : 0
F.b.d 3 0 0
Travelling Expenses, if any £ : :

Fees applied for,
23/5/1925
Received by me,
26/5/1925

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

state whether the Vessel has been built under Special Survey
yes
Signature
G. H. Brown
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to
Newcastle
Date of issue
3. 6. 25

Committee's Minute
WED. 3 JUN 1925
Character assigned
+ 100 A 1
large battens not fitted

Write HPL
Lloyd's A.R.C.P. + Lmb 5.25
CL

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.)

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

1st Bower *5-3-22, M.B. Susseldorf, 29-7-24, 2060,*
2nd „ *5-0-13, K.H. „ 19-9-24, 3119,*
3rd „

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *ft.,* R.Q.D. *42.5* ft., Bridge *14.5* ft., Forecastle *28.5* ft.,
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *R.Q.D. is joined to Bridge*

No. and Material of Decks (this information is to be given as it should appear in the Register Book) *1 dk (ste)*

Official No. *135610*; Signal Letters Is bottom of Vessel coated with cement *yes* / if not g
particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Ca Ton
Double bottom, aft,	✓		Fore peak tank,		<i>27</i>
Double bottom, under Engines and Boilers,	✓		After peak tank,		<i>16</i>
Double bottom, if under Engines only,	✓		Deep tank, aft,	<i>12.8</i>	<i>89</i>
Double bottom, if under Boilers only,	✓		Deep tank, forward,		
Double bottom, forward,	✓		Other tanks, if fitted,		
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		

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

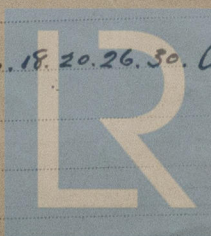
Order for Special Survey No. *5122*

Date

9.3.25

Dates of Surveys held while building

*1925
Jan 5. Feb. 11. 20. 26. 27. Mar. 2. 3. 4. 5. 6. 13. 16. 18. 20. 26. 30. Apr. 1. 3. 8. 15. 17. 20. 22. 23. 27. May 1. 13. 14.*



Lloyd's Register
Foundation

Total No. of Visits *30347*