

STEEL STEAMER or MOTORSHIP.

Received at London Office

25 APR 1930

State if Report has been sent on the Freeboard of the Vessel *no*State if Report is sent on the Machinery of the Vessel *yes*

NEWCASTLE-ON-TYNE

Date of completion of report *17th April 1930*

Port of

No. *85624*Survey held at *Hebburn-on-Tyne* Date First Survey *6 Nov/29* Last Survey *17 April 1930*On the *(State if Machinery fitted Aft and if Single, Twin or Triple Screw)* *Steel Twin Screw Steamer "NORTHUMBRIAN"*State Type *(Full Seantling, Complete Superstructure with or without Tonnage Openings)* *Yacht + Passenger Ferry*State Type of Erections *none*

TONNAGE under Tonnage Deck...

*303.86*CLASS *100 A.1. for Ferry Service + Harbour Purposes*State if with freeboard as condition of Class *no*

FEET.

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 110'-0"*Breadth (greatest moulded) *B 34'-0"*

Total

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'-7"*Gross Tonnage *344.19*1st Longitudinal Number (L x D) *= 1383.8*Register Tonnage *154.89*2nd Numeral L x (B + D) *= 5123.8*

REGISTERED DIMENSIONS.

Length *110'4*Breadth *34'5*Depth *11'3*Framing Depth "d," at middle of length. See Sec. 3 (1d) *11'21*Proportions—Depth to Length—Uppermost continuous deck to top of keel *8'74*Do. Long Bridge to top of keel *✓*

Draught Moulded

Built at *Hebburn-on-Tyne*Launched *14th March 1930* Yard No. *573*Builders *Messrs R. & W. Hawthorn Leslie & Co Ltd*Owners *Tyne Improvement Commissioners*

Managers

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

Residence

Port of Registry *North Shields*

If surveyed while building, afloat, or in dry dock

While building

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	<i>24</i>	<i>✓</i>	Bracket Floors, Frame		
" " from $\frac{1}{2}$ length to Collision bulkhead	<i>24</i>	<i>✓</i>	" " Reversed Frame	<i>✓</i>	
" " in peaks	<i>24</i>	<i>✓</i>	" " Vertical Struts	<i>✓</i>	
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, <i>E</i> or <i>C</i>	<i>5 1/2 3 36</i>	<i>42 in BS</i>	" " top Angles	<i>✓</i>	
" " Extends up to	<i>deck</i>		" " bottom Angles	<i>✓</i>	
Reversed Frame Amidships, Angle	<i>✓</i>		Side Girders, No. each side and thickness		
" " Extends up to	<i>✓</i>		Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	<i>✓</i>	<i>5 1/2</i>	" " Vertical Angle to Tank side	<i>✓</i>	
Frames in Uppermost Continuous 'tween Decks, Angle, <i>C</i> or <i>E</i>	<i>✓</i>		Bracket abaft $\frac{1}{4}$ len. from stem	<i>✓</i>	
" " Second 'tween Decks, Angle, <i>C</i> or <i>E</i>	<i>✓</i>		" " Vertical Angle to Tank side	<i>✓</i>	
" " Third " " "	<i>✓</i>		Bracket forward $\frac{1}{4}$ len. from stem	<i>✓</i>	
Framing in Peaks, Angle or <i>C</i>	<i>5 1/2 3 36</i>		Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	<i>✓</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>3/4 5 1/4</i>		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem	<i>✓</i>	
State if Frame Joggled	<i>yes</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>✓</i>	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>none</i>		INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>Midship thickness of shell carried to Collision Bulkhead. No extra intercostals on account of service.</i>		Breadth and thickness of Middle Line Strake	<i>✓</i>	
SINGLE BOTTOM.			Thickness of remainder in Holds	<i>✓</i>	
Floors, Depth and thickness at mid-line in Holds	<i>16 1/2 36</i>	<i>BS</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>yes</i>	
Height of Brackets at side above base line at toe of frame	<i>21 x 4 1/2 46 BS</i>	<i>Increased in depth</i>	BEAMS.		
Middle Line Keelson, on Floors, Angles, <i>E</i> or <i>F</i>	<i>6 3 1/2 40</i>	<i>BS</i>	Uppermost Continuous Deck, amidships	<i>5 1/2 3 38 1/2</i>	<i>BS</i>
" " Through Plate or Intercostal Plate	<i>23 44 E. 50 BS</i>		" " in Way of Bridge, Angle, <i>E</i> or <i>F</i>	<i>8 1/2 3 47</i>	
" " Foundation Plate on Floors <i>P.Y.S.</i>	<i>12 40</i>		" " aft of engine carrying	<i>every 4 ft</i>	
" " Flat Plate Keel Angles	<i>3 1/2 3 1/2 42</i>		Spacing	<i>every 4 ft</i>	
Side Keelsons, No. each side	<i>46 E. 50 BS</i>	<i>one</i>	Boat		
" " thickness of Intercostal Plate	<i>30</i>		Second Deck, amidships, Angle, <i>E</i> or <i>F</i>	<i>6 3 40</i>	
" " Angles	<i>40 BS 50 E</i>	<i>Owners extra</i>	Spacing	<i>alternate</i>	
DOUBLE BOTTOM.			Third Deck, amidships, Angle, <i>C</i> or <i>E</i>		
Solid Floors, thickness and spacing	<i>6 3 1/2 40</i>	<i>double aft</i>	Spacing	<i>✓</i>	
" " Are Frame and Reversed Frame joggled?	<i>8 x 3 1/2 x 3 1/2 x 54 in BS + fwd</i>		Fourth Deck, amidships, Angle, <i>C</i> or <i>E</i>		
Bracket Floors, breadth and thickness at middle line	<i>5 3 30</i>	<i>double</i>	Spacing	<i>✓</i>	
" " breadth and thickness at margin plate			Poop Deck, Angle, <i>C</i> or <i>E</i>		
			Spacing	<i>✓</i>	
			Bridge Deck, Angle, <i>C</i> or <i>E</i>		
			Spacing	<i>✓</i>	
			Forecastle Deck, Angle, <i>C</i> or <i>E</i>		
			Spacing	<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.....	4	aft	1 fwd		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		25		
„ „ „ „ „	✓			ref plan	Thickness of Plating abreast Deck openings in way of Bridge	✓			
„ in Holds „ „	2 1/2" dia on				Thickness of Plating within line of openings...	✓			
„ „ „ „ „	alternate frames				If Sheathed, material and thickness	3 x 2 1/2	P.P.		
„ „ „ „ „	in conjunction with girders								
„ „ „ „ „	as on midship section								
Centre Line Bulkhead.					Third Deck.				
Stiffeners and Spacing.....	✓				Stringer Plate, breadth and thickness.....				
Plating, thickness of	✓				If Plated, state thickness.....	✓			
STRINGERS AND DECKS.					Fourth Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....				
Stringer Plate, breadth and thickness in Wells	42	36	32	✓	If Plated, state thickness	✓			
„ „ „ „ „ in way of Bridge	✓				Poop Deck.				
„ Angle in Wells	3 1/2	3 1/2	36		Stringer Plate, breadth and thickness				
Thickness of Plating abreast Deck openings in way of Wells	30	25	ends	✓	Plating, Sheathing, material and thickness ...	✓			
Thickness of Plating abreast Deck openings in way of Bridge	✓				Bridge Deck.				
Thickness of Plating within line of openings...	✓				Stringer Plate, breadth and thickness.....				
If Sheathed, material and thickness	9 x 3 1/2 P.P.	9 x 3	Greenheart	✓	Plating, Sheathing, material and thickness ...	✓			
Boat					Forecastle Deck.				
Second Deck.					Stringer Plate, breadth and thickness.....				
Stringer Plate, breadth and thickness in Wells...	18	25		✓	Plating, Sheathing, material and thickness ...	✓			

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—						5	
Extending to Upper Deck (Sec. 3 c).....						✓	
,, Deck next below.....						✓	
As per Rule.....						4	
				STIFFENERS.			
Plating Thickness.				VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD., Upper tween decks ✓							
"	"	Second	"	✓			
"	"	Third	"	✓			
"	"	Holds	✓	30 40	5' x 3"	36"-28" 2A	✓
COLLISION	"	(in Hold)	✓	do	do	24"	✓
AFTER PEAK	"	"	✓	do	do	25" average	✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	flat	Plate		
STEM	Rolled bar	5 1/2" x 2"	Sanmarkshire Steel Co.	
T.S. STERN FRAME	Propeller Post			
	Rudder	Forging	7 1/8" x 4"	T.S. Forster & Son, Sland
RUDDER—A x D	82" x 9"			
Speed of Vessel	10 knots			
RUDDER mainpiece at head	5 3/4"	dia forging	T.S. Forster & Son, Sland	
" " heel	3 1/2"	"		
" how constructed	Keyed arms			
" double or single plate		82"		
" coupling, vertical or horizontal		none		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open
 Dorman Long, South Durham, Bowsett & Co. cargo Fleet & Co. Pease & Partners

Has the Steel been tested as required by the Rules?

ye

Partners
Lloyd's Register
Foundation

EQUIPMENT No.												LETTER	ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY AS APPROVED	Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.					
63098	1st Bower	4	3	11	1	1	0	7	5	0	0	6	Iron stock	Kendrick & Co. Ltd.	Tipton. 3/1/30. WAD	
63099	2nd "	4	3	12	1	1	2	7	5	0	0	6	" "	" "	Tipton. 4/1/30. WAD	
	3rd "															
	Collective weight.															
	Stream															

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.	Statutory.	Breaking.	Supplied.		Per Rule.	Length.	Diam.	Fathoms.					Ins.	Length.		Cir.	Tons.	Fathoms.	Ins.
					Cwts.	qrs. lbs.															
65520	Fathoms. 30 3/4	Ins. 1	Tons. 12	24	16	3	5	16 1/2	30	1	short link	Kendrick & Co. Ltd.	Tipton. 4/1/30. WAD	TOWLINE ...	Fathoms. 4@30	Ins. 6	Tons.	Fathoms. 4@30	Ins. 6		
Iron Stream Chain or Steel Wire		Cir.												HAWSERS & WARPS							
														"							
														"							

Steering Gear, Steam
Donkin & Co
Steering Gear, Hand
Donkin & Co and hand tiller

Boats
none
Steering Chains, Size and Test
1 1/16" dia 5 1/2 tons proof 15 1/2" breaking
Hand Capstan, Gunnerson Walker Windlass

Ceiling in Holds, thickness and material
none
Cargo Battens, thickness, material and spacing
none

Cargo Hatchways.—(Upper Deck)
none
Thickness of Hatches
—

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
—

FOR R. & W. HAWTHORN, LESLIE & Co. LIMITED.

Builder's Signature
Mr. J. C. Smith

GENERAL DECLARATION
This vessel has been built in accordance with the approved plans, the Secretary's letters, and the Society's Rules.
The materials and workmanship are satisfactory. The decks, W.T. bulkheads & W.T. doors have been hose tested. The steering gear and capstan have been tried and found satisfactory.
The approved plans and forging reports are attached

The amount of Entry Fee £ 3 : 0 : 0
Special Survey Fee.... £ 34 : 8 : 0
Travelling Expenses, if any £ : :
Fees applied for, 24 APR 1930
Received by me, 29. 4. 1930
I am of opinion the Vessel should be Classed + 100 A 1 For Ferry Service & Harbour Purposes
State whether the Vessel has been built under Special Survey yes
Signature J. C. Smith
Surveyor to Lloyd's Register of Shipping.
Certificate to be sent to Newcastle-on-Tyne
Date of issue 27/4/30

Committee's Minute
Character assigned
TUE. 20 APR 1930
+ 100 A 1
For River & Harbour Services only
Lloyd's arch, + Limb. 4. 30 O.G.
My



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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 _____
2nd „ _____
3rd „ _____

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

No. and Material of Decks (this information is to be given as it should appear in the Register Book) *1 dk stl - pitch pine + greenheart she*

Official No. *148806* ; Signal Letters _____

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,			Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
			(If necessary, furnish further information by sketch.)		
			* The wells are not to be included in the lengths of the tanks.		

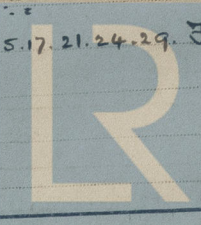
Order for Special Survey No. *5388*

Date

6-12-29

Dates of Surveys held while building

1929 Nov. 6. 7. 11. 14. 18. Dec. 2. 10. 18. 20. 31. 1930 Jan. 6. 8. 14. 15. 17. 21. 24. 29. Feb. 3. 4. 6. 7. 10. 12. 21. 24. 28. Mar. 7. 14. 27. 28. Apr. 2. 8. 11. 15. 17.



Lloyd's Register
Foundation
Total No. of Visits *36*