

Report on the condition of the Vessel *yes*If Report is on the Machinery of the Vessel *yes*Date of completion of report 23rd October 1925.

Port of Sunderland.

No. 29158

Survey held at Sunderland

Date First Survey 6th March 25Last Survey 22nd October 1925On the (State if Machinery fitted *At one*) *SINGLE SCREW. "NEWTON BEECH"*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full Scantling*State Type of Erections *Prop. Bridge + 7'4"*TONNAGE under Tonnage Deck *4248.04*CLASS *100 A.1.*State if with freeboard as condition of Class *710*Built at *Sunderland.*

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 371.74*Launched 2nd Sept. 1925 Yard No. 215Breadth (greatest moulded) *B 51.45*Builders *Wm Pickersgill & Sons Ltd.*

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 29.25*Owners *The Tyne-side Line (1920) Ltd.*Gross Tonnage *4644.40*1st Longitudinal Number (L x D) *= 10873*Managers *Ridley Son & Tulley*Register Tonnage *2811.07*2nd Numeral L x (B + D) *= 29999*

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

REGISTERED DIMENSIONS.

FEET.

Length *372.80*Framing Depth "d," at middle of length. See Sec. 3 (1d) *25.82*Residence *Milburn House Newcastle on Tyne*Breadth *54.60*Proportions—Depth to Length—Uppermost continuous deck to top of keel *12.71*Port of Registry *Newcastle on Tyne*Depth *26.85*Do. Long Bridge to top of keel *9.98*

If surveyed while building, afloat, or in dry dock

Draught Moulded *23.8 1/4**Building 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.
FRAMES, Spacing amidships <i>webs</i>	72		Bracket Floors, Frame	-	
" " from 1/2 length to Collision bulkhead	27		" " Reversed Frame	-	
" " in peaks	24		" " Vertical Struts	-	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	41 x 50	
Frame Amidships, Angle, <i>E or F</i> <i>webs</i>	15 1/2 x 48		" " top Angles	5 5 50	
" " Extends up to	Upper Deck.		" " bottom Angles	6 6 54	
Reversed Frame Amidships, Angles	3 1/2 3 1/2 52		Side Girders, No. each side and thickness	ONE 38	
" " Extends up to	Upper Deck.		Margin Plate depth (excl. of flange) and thickness	38 48	
Depth of Framing Girder	15 1/2		" " Vertical Angle to Tank side	6 6 44	
Frames in Uppermost Continuous 'tween Decks, Angle, <i>E or F</i>	-		Bracket abaft 1/2 len. from stem	double at webs 3 1/2 3 1/2 40	
" " Second 'tween Decks, Angle, <i>E or F</i>	-		Bracket forward 1/2 len. from stem	6 6 44	
" " Third " " " "	-		Gussets, spacing and scantling abaft 1/2 len. from stem	3 1/2 3 1/2 48	
Framing in Peaks, Angle or <i>E or F</i> <i>bulk angle</i>	7 1/2 3 34		Gussets, spacing and scantling forward 1/2 len. from stem	3 1/2 3 1/2 48	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 2 4		Tank Side Brackets, height above base line at toe of Frame and thickness	70	
State if Frame Joggled	no		INNER BOTTOM PLATING.		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Int. stringer + frame modulus increased.		Breadth and thickness of Middle Line Strake	49 x 48	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Single framing = to double + add intercostals, midships thickness of bottom plating maintained.		Thickness of remainder in Holds	42	
SINGLE BOTTOM.			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?	yes	
Floors, Depth and thickness at mid-line in Holds			BEAMS.		
Height of Brackets at side above base line at toe of frame			Uppermost Continuous Deck, amidships, in Wells, Angle, <i>E or F</i>		
Middle Line Keelson, on Floors, Angles, <i>E or F</i>			" " in way of Bridge, Angle, <i>E or F</i>		
" " Through Plate or Intercostal Plate			Spacing		
" " Foundation Plate on Floors			Second Deck, amidships, Angle, <i>E or F</i>		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side			Third Deck, amidships, Angle, <i>E or F</i>		
" " thickness of Intercostal Plate			Spacing		
" " Angles			Fourth Deck, amidships, Angle, <i>E or F</i>		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	38 x 6" 0" 6" 1/8		Poop Deck, Angle, <i>E or F</i>	8 3 1/2 40	
" " Are Frame and Reversed Frame joggled?	no		6 1/2 3 1/2 44		
Bracket Floors, breadth and thickness at middle line			5 1/2 3 38		
" " breadth and thickness at margin plate			Spacing	36 x 24	
			Bridge Deck, Angle, <i>E or F</i>	See Separate sheet	
			Spacing	Longitudinal Framing	
			Forecastle Deck, Angle, <i>E or F</i>	11 1/2 3 1/2 51	
			Spacing	9 3 1/2 40	
				54 x 48 respectively	

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>							
"	in 'tween <i>scle</i> Decks, Size and Spacing.....	<i>2 3/4</i>	<i>25 1/2</i>	<i>48</i>					
"	" <i>poop</i> " " " [<i>6</i> x <i>3 1/2</i> x <i>3 1/2</i> x <i>40</i>			<i>alt. beams.</i>					
"	in Holds <i>Bridge</i> " " "			<i>beams + casings</i>					
"	" " " " "			<i>stiffened as</i>					
"	" " " " "			<i>per appd plan.</i>					
Centre Line Bulkhead.		<i>Fore Hold</i>							
Stiffeners and Spacing.....		<i>10</i>	<i>3 1/2</i>	<i>48</i>					
		<i>9</i>	<i>3 1/2</i>	<i>48</i>					
		<i>7</i>	<i>3</i>	<i>48</i>					
	<i>Aft</i> " "	<i>6 1/2</i>	<i>3</i>	<i>40-36</i>					
Plating, thickness of				<i>30</i>					
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells		<i>54</i>	<i>100</i>	<i>56</i>					
" " " " in way of Bridge		<i>54</i>	<i>51</i>	<i>38</i>					
" " " " Angle in Wells		<i>6</i>	<i>6</i>	<i>80</i>					
Thickness of Plating abreast Deck openings in way of Wells		<i>83</i>	-	<i>56</i>					
Thickness of Plating abreast Deck openings in way of Bridge				<i>36</i>					
Thickness of Plating within line of openings...		<i>40</i>	<i>1/2</i>	<i>32</i>					
If Sheathed, material and thickness		-	-	-					
Second Deck.									
Stringer Plate, breadth and thickness in Wells...		-	-	-					
Stringer Plate, breadth and thickness in way of Bridge									
Thickness of Plating abreast Deck openings in way of Wells									
Thickness of Plating abreast Deck openings in way of Bridge									
Thickness of Plating within line of openings...									
If Sheathed, material and thickness									
Third Deck.									
Stringer Plate, breadth and thickness.....									
If Plated, state thickness.....									
Fourth Deck.									
Stringer Plate, breadth and thickness.....									
If Plated, state thickness									
Poop Deck.									
Stringer Plate, breadth and thickness		<i>straight</i>	<i>34</i>						
Plating, Sheathing, material and thickness ...		<i>34</i>	<i>30</i>						
Bridge Deck.									
Stringer Plate, breadth and thickness.....		<i>54</i>	<i>58</i>	<i>45</i>					
Plating, Sheathing, material and thickness ...		<i>54</i>	<i>34</i>						
Forecastle Deck.									
Stringer Plate, breadth and thickness.....		<i>straight</i>	<i>34</i>						
Plating, Sheathing, material and thickness ...		<i>34</i>	<i>30</i>						

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>joggled</i>			RIVETS.				
	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.
FLAT PLATE KEEL	49	74	66	66	✓	DOUBLE	1	4	FOUR	1	4	LAPPED	
„ DBLG. (if any)	-	-	-	-		-	-	-	-	-	-	-	
BOTTOM PLATING, No. of Strakes 4....	71½	58	58½	55	✓	DOUBLE	7/8	3½	THREE	7/8	3½	LAPPED	
BILGE PLATING, No. of Strakes 2....	74½ 59	66	44	54	✓	"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes 3....	77½ 646	55	44	44	✓	"	"	"	"	"	"	"	
UPPER DECK, Sheer-strake in Wells.....	50	80	44	44	✓	"	1	4	FOUR	1	4	"	
UPPER DECK, Sheer-strake in Bridge ...	50	66			✓	"	7/8	3½	THREE	7/8	3½	"	
STRAKE BELOW Sheer-strake in Wells.....	61	70	44	44	✓	"	"	"	FOUR	"	3½	"	
STRAKE BELOW Sheer-strake in Bridge ...	61	66			✓	"	"	"	THREE	"	3½	"	
POOP SIDE PLATING		37		37	✓	SINGLE	¾	3	SINGLE	¾	2½	"	
BRIDGE SIDE PLATING ...		55			✓	DOUBLE	7/8	3½	THREE	7/8	3½	"	
FORE'TLE SIDE PLATING		40	40		✓	SINGLE	¾	3	SINGLE	¾	2½	"	

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		CASTING OR FORGING.		SCANTLINGS.	MAKER'S NAME.	Any departure from approved plans to be noted.
Extending to Upper Deck (Sec. 3 c) 6		KEEL, Bar		FLAT	PLATE KEEL	
" Deck next below ✓		STEM		FORGING	9" x 2 1/2"	
As per Rule 6		STEERN FRAME { Propeller Post		"	10 1/4" x 7 1/4"	T.S. FORSTER & CO.
		{ Rudder "		"	9 1/2" x 7 1/4"	
		RUDDER—A x D		118.07	x 4.0 = 472.28	
		Speed of Vessel		9 1/2	KNOTS	
		RUDDER mainpiece at head ...		9 3/4	dia T.S. FORSTER	
		" " heel ...		7 3/8	" + C ²	
		" how constructed		FORGING.	AND ARMS SHRUNK ON.	
		" double or single plate		SINGLE	1' 02"	
		" coupling, vertical or horizontal		HORIZONTAL		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *OPEN HEAR*
SOUTH DURHAM S & I CO LTD, BOLCHOW VAUGHAN & CO LTD, DORMAN LONG & CO LTD, PEARCE & PARTNERS.

Has the Steel been tested as required by the Rules? YES.

Lloyd's Register
Foundation

S. S. "NEWTON BEECH." SUNDERLAND. No 29158
PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.					
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.		
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Speng.		Number.	Diameter.	
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.			Ins.	
Framing of L, L or C Frames in Bridge 'tween Decks ... Frames from Uppermost Continuous Deck No. 1 <div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); margin-right: 5px;">Framing from Awning, Shelter or Upper Deck to Margin Plate.</div> <div style="margin-left: 5px;"> " 2 " 3 " 4 " 5 " 6 " 7 " 8 " 9 " 10 " 11 " 12 " 13 " 14 " 15 " 16 </div> </div>																			
	Spacing of Longitudinal Frames	Amidships																	
		At Ends																	
	Double Bottoms } Tank Top Longitudinals L L E } Bottom "		8 1/2	3 1/2	48	transverse	8 1/2	3 1/2	48	transverse	3/4	4 1/8							
			8	3	40		8	3	40										
			9	3 1/2	46	framing	9	3 1/2	46	framing	7/8	4 3/8							
			8 1/2	3 1/2	40		8 1/2	3 1/2	40										
	Spacing of Longitudinals	Amidships	2-10				2-10												
		At Ends	transverse framing				trans. framing												
	Transverses.																		
	In Bridge 'tween Decks	Depth and Thickness																	
		Face Angles																	
		Lugs to Shell*																	
	In Awning, Shelter or Upper 'tween Decks.	Depth and Thickness																	
		Face Angles																	
		Lugs to Shell*																	
In Hold.	Depth and Thickness	15 1/2	x	48	ordinary	15 1/2	x	48	ordinary	-	-								
	Face Angles double	3 1/2	3 1/2	52	transverse	3 1/2	3 1/2	52	transverse	7/8	4 3/8								
	Lugs to Shell* frame	3 1/2	3 1/2	48	framing	3 1/2	3 1/2	48	framing	7/8	4 3/8								
	Brackets	-	-	-		-	-	-		-	-								
Spacing of Transverse Frames		6'-0" and 6'-7 1/2"				6'-0" and 6'-7 1/2"													
* State if joggled or liners.																			
Longitudinal Beams of L L E	Bridge Deck	6 1/2	3	34		6 1/2	3	34		spacing.	3'-6"								
	Awg. or Shldr. Dk.										3'-8"								
	Upper	7 1/2	3	36	7 1/2	3 1/2	36	7 1/2	3	36	4 1/2	3 1/2	36	3'-6"					
	Second	7 1/2	3 1/2	40	2oc + after Holds	7 1/2	3 1/2	40	2oc + after holds		3'-8"								
	Third	-	-	-		-	-	-											

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

431-0134(213)

In conjunction with corrugated shell plating sides.
 Bulk order in letter.

In Ship.		As approved.	
Plate.	Angles.	Plate.	Angles.
7 x 44	9 x 3 1/2 x 56	14 x 44	9 x 3 1/2 x 56
12 x 3 1/2 x 56	56 x 44	12 x 3 1/2 x 56	56 x 44
18 x 44	12 x 3 1/2 x 60	18 x 44	12 x 3 1/2 x 60
15 x 4 x 50	41	15 x 4 x 50	41

EQUIPMENT No. 31408-66												LETTER	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.
39739	1st Bower ...	57	2	0	STOCKLESS			46	18	3	0	56 1/4	Britannic	R Sykes & Sons	Bradley Heath 5.5.24.
39971	2nd " ...	55	2	26				45	16	3	14	56 1/4	"	"	" " 7.7.24.
40860	3rd " ...	47	2	0				40	16	1	0	47 1/2	"	"	" " 10.4.25.
	Collective weight.	160	2	26								160			S. Paul.
29004	Stream	15	0	21	3	3	7	16	14	1	14	15	Common.	S. Taylor & Sons	Sld. 29.7.25. J. Butler.

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.		Material.	Breaking Test of Steel Wire.
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.		Per Rule.		Length.	Diam.					Length.	Cir.		Length.	Cir.		
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
14753	270	2 1/8	81 1/4	113 3/4	608		3 - 14		608 3/4		270	2 1/8	Steel link	S. Taylor & Sons	Sld. 25.8.25	TOWLINE	120	4 1/2	39	120	4 1/2
																HAWSE & WARPS	2 - 90	3	18	2 - 90	2 1/2
																	4-90	7"		2 - 90	Y
Iron Stream Chain or Steel Wire	90	4 1/2	39						90	4 1/2	Flex. Galv.	Bullivant's S.W. Rope Co.					Hemp.				Hemp.

Steering Gear, Steam Donkm 16" L.A.
Steering Gear, Hand Crawford & Sons, Taylor & Palsater Brake gear
Boats 2 24ft life, 1 16ft dinghy Steering Chains, Size and Test 1 1/16, 2 1/4 tons Windlass Emerson Walker & Thompson.
Ceiling in Holds, thickness and material 2 1/2" under hatches cover bilges only. Cargo Battens, thickness, material and spacing 2" W.Pine, 9" spacing
Cargo Hatchways.-(Upper Deck) Steel plates & angles Thickness of Hatches 3"
Size of No. 1 Hatchway (Forward) 31'6" x 22'0" No. 2 33'0" x 22'0" No. 3 18'0" x 22'0" No. 4 33'0" x 22'0" No. 5 33'0" x 22'0" No. 6 ✓
Number of Shifting Beams and/or Fore and Afters 5 Webs in No. 1, 2, 4 & 5, 3 Webs in No. 3.

FOR W. PICKERSGILL & SONS, LTD.

Builder's Signature

SECRETARY.

GENERAL DECLARATION This vessel has been built in accordance with the approved plans and instruction, as well as the printed rules.

The materials and workmanship are satisfactory.

The freeboards have been verified and the freeboard marks cut in on the vessels sides.

The weather decks, bulkheads, peak tanks, double bottom tanks, tunnel, W.S. doors, & pumps, have been tested with satisfactory results.

The approved plans (10) Midship section, Profile & decks, Bracket to main frame, Bottom strengthening forward, Panting, Stern frame, Rudder, W.S. bulkheads, Tunnel, Bunkers, Hatchways, Hatchend pillars, Pumping, Eng. & Boiler casings, Tank top, all bottom, Framing in Fore & after holds, Reservoir for main injection and three forging certificates.

* with newton Ash

Amount of Entry Fee £ 8: : : Fees applied for.

Special Survey Fee.... £ 307: 4: : 19.10.1925

Freeboard Fee 10: 0: 0 Received by me, 26.11.25

Travelling Expenses, if any £ : : :

Whether the Vessel has been built under Special Survey yes.

It is of opinion the Vessel should be Classed 100 A.1.

Signature W. R. Collings.

Surveyor to Lloyd's Register of Shipping.

Date to be sent to SUNDERLAND. Date of issue 27/11/25.

Committee's Minute

Character assigned

FRI. 30 OCT 1925

10001

Lloyd's Reg. P.

L.M.B. 10.25 C.L.



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Lloyd's Register Foundation

W431-0134 (313)

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 *34-1-6; M.B. 1860; 19-2-24.*
2nd „ *34-1-4; N.H. 2854; 18-3-24.*
3rd „ *28-3-0; K.H. 2850; 18-3-24.*

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *36.75* ft., R.Q.D. ☒ ft., Bridge *110.5* ft., Forecastle *35.75* 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) + web frames, cruiser stern + corrugated sides.*

Official No. *148139*; Signal Letters

Is bottom of Vessel coated with cement ☐ if not give

particulars of composition *Portland Cement in DB tank under Boilers only. Fillets elsewhere.*

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.		Water Capacity.	Where Fitted.	*Length.		Water Capacity.
	Fect.	Tons.			Fect.	Tons.	
Double bottom, aft,	<i>123</i>	<i>329</i>		Fore peak tank,	<i>21.58</i>	<i>131</i>	
Double bottom, under Engines and Boilers,	<i>36</i>	<i>151.25</i>		After peak tank,	<i>24.0</i>	<i>282</i>	
Double bottom, if under Engines only,	—	—		Deep tank, aft,	—	—	
Double bottom, if under Boilers only,	—	—		Deep tank, forward,	—	—	
Double bottom, forward,	<i>165.75</i>	<i>584</i>		Other tanks, if fitted,	—	—	
	Total capacity of double bottom	<i>1064.25</i>		(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. *5599*

Date. *25.2.25*

Dates of Surveys held while building

1925. Mar. 6. 11. 13. 16. 18. 26. 27. 31. Apr. 2. 8. 9. 15. 17. 21. 23. 27. 29. 30. May 4. 7. 18. 22. 25. 27. 29. June 3. 5. 9. 11. 15. 17. 19. 22. 29. July 1. 3. 6. 7. 9. 10. 13. 15. 16. 17. 21. 22. 23. 28. 31. Aug. 5. 6. 11. 12. 13. 14. 18. 20. 21. 24. 26. 27. 31. Sept. 1. 2. 3. 4. 7. 8. 9. 14. 16. 18. 22. 24. 29. 30. Oct. 2. 5. 6. 7. 9. 12. 15. 16. 22.

Total No. of Visits *8*