

STEEL STEAMER or MOTORSHIP

20 JAN 1927

Received at London Office

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 27th Jan^y 1927.

Port of NEWCASTLE-ON-TYNE

No. 80909

Survey held at Newcastle-on-Tyne Date First Survey 6th Feb^y Last Survey 17th Jan^y 1927

On the (State if Machinery fitted Aft and (If Single, Twin or Triple Screw) Single screw "KENTON" (machinery not fitted aft)

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

State Type of Erections Poop, Bridge Yards

TONNAGE under Tonnage Deck... 3585.94

CLASS 100 A1

State if with freeboard as condition of Class no

Built at Willington Quay 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 355.0

Launched 20th Nov^r 1926 Yard No. 226

Total

Breadth (greatest moulded) B 50.29

Builders Tyne Iron Shipbuilding Co. Ltd

Gross Tonnage 3930.38

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 26.33

Owners Robert Laidler

Register Tonnage 2411.67

1st Longitudinal Number (L x D) = 9347.15

Managers A. Stott & Co. Ltd.

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

2nd Numeral L x (B + D) = 27200.10

Residence Newcastle-on-Tyne

REGISTERED DIMENSIONS.

Framing Depth "d," at middle of length. See Sec. 3 (1d) 21'-10 1/2"

Length 355.3

Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.48

Port of Registry Newcastle-on-Tyne

Breadth 50.55

Do. Low Bridge to top of keel 10.49

If surveyed while building afloat, or in dry dock

Depth 24.1

Draught Moulded 22'-2 1/4"

Yes

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	26 1/2		Bracket Floors, Frame	8 1/2 3 1/2 49	
" " from 1/2 length to Collision bulkhead	26 1/2		" " Reversed Frame	8 3 49	
" " in peaks	24		" " Vertical Struts	8 3 46	
DE FRAMING.			Centre Girder, depth and thickness amidships	39 1/2 49	
Frame Amidships, Angle, E or F	11 3 1/2 48		" " top Angles	Single 5 5 47	
" " Extends up to	Upper deck		" " bottom Angles	6 6 53	
Reversed Frame Amidships, Angle	bulb angle frames		Side Girders, No. each side and thickness	One 36	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	36 45	3 1/2 x 45
Depth of Framing Girder	11		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 1/2 3 1/2 38	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	✓		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	3 1/2 3 1/2 38	
" " Second 'tween Decks, Angle, E or F	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	3 1/2 3 1/2 38	on every frame
" " Third " " " "	✓		" " Gussets, spacing and scantling forward 1/2 len. from stem	3 1/2 3 1/2 38	on every frame
Framing in Peaks, Angle or F	7 3 35	7 x 3 x 32	Tank Side Brackets, height above base line at toe of Frame and thickness	6' 6 1/2 36	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 @ 6 1/4		INNER BOTTOM PLATING.		
State if Frame Joggled	no		Breadth and thickness of Middle Line Strake	49 47	
STRENGTHENING ARRANGEMENTS (Sec. 7), state system and particulars	Increased framing side stringers as approved.		Thickness of remainder in Holds	40	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Double frames side stringers and shell plating of increased thickness		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	
ANGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, E or F	10 3 1/2 44	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, E or F	12 3 1/2 70	
Middle Line Keelson, on Floors, Angles, E or F			Spacing	on alt frame	
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, E or F		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or F		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, E or F		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, E or F	6 1/2 3 38	
Solid Floors, thickness and spacing	36 spaced 79 1/2		Spacing	on every frame	
" " Are Frame and Reversed Frame joggled?	no		Bridge Deck, Angle, E or F	8 3 38	
Bracket Floors, breadth and thickness at middle line	30 36		Spacing	on every frame	
" " breadth and thickness at margin plate	30 36		Forecastle Deck, Angle, E or F	8 1/2 3 42	
			Spacing	on every frame	

1500-965M

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.....							
" in 'tween Decks, Size and Spacing.....							
" " " " " "							
" in Holds " "							
" " " " " "							
Centre Line Bulkhead.							
Stiffeners and Spacing.....							
Plating, thickness of							
STRINGERS AND DECKS.							
Uppermost Continuous Deck.							
Stringer Plate, breadth and thickness in Wells	52	83					
" " " " in way of Bridge	50	40					
" Angle in Wells	6	6	83				
Thickness of Plating abreast Deck openings in way of Wells		67					
Thickness of Plating abreast Deck openings in way of Bridge		40					
Thickness of Plating within line of openings...		40					
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	33	34					
Plating, Sheathing, material and thickness ..	steel	30					
Bridge Deck.							
Stringer Plate, breadth and thickness.....	52	46					
Plating, Sheathing, material and thickness ..	steel	35					
Forecastle Deck.							
Stringer Plate, breadth and thickness.....	33	34					
Plating, Sheathing, material and thickness ..	steel	28 with 1/4" sheathing					

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. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.			Diam. Inches.	Spacing cr. to cr. Inches.		Diam. Inches.	Spacing cr. to cr. Inches.	
FLAT PLATE KEEL	48	70	64	64		Double	7/8	3 3/8	4	7/8	3 1/2	
„ DBLG. (if any)												
BOTTOM PLATING, No. of Strakes	4	55	44	44		-11-	-11-	-11-	3	-11-	3 1/8	
BILGE PLATING, No. of Strakes	One	55	44	44		-11-	-11-	-11-	3	-11-	-11-	
SIDE PLATING, No. of Strakes	3	55	42	42		-11-	-11-	-11-	3	-11-	-11-	
UPPER DECK, Sheer-strake in Wells.....	49	85				-11-	1	3 3/4	4	1	4	
UPPER DECK, Sheer-strake in Bridge ...	49	55	42	42		-11-	7/8	3 3/8	3	7/8	3 1/8	
STRAKE BELOW Sheer-strake in Wells.....		71				-11-	-11-	-11-	4	7/8	3 1/2	
STRAKE BELOW Sheer-strake in Bridge ...		55	42	42		-11-	-11-	-11-	3	7/8	3 1/8	
POOP SIDE PLATING				36		Single	3/4	3	2	3/4	2 5/8	
BRIDGE SIDE PLATING ...		54				Double	7/8	3 3/8	3	7/8	3 1/8	
FOREC'TLE SIDE PLATING			40			Single	3/4	3	2	3/4	2 5/8	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—				
Extending to Upper Deck (Sec. 3 c).....		6		
,, Deck next below.....		nil		
As per Rule.....		6		
		Plating Thickness.	STIFFENERS.	
			VERTICAL.	HORIZONTAL.
			Scantlings. Spacing.	Scantlings. Spacing.
MIDSHIP BULKH'D, Upper tween decks				
"	"	Second	"	
"	"	Third	"	
"	"	Holds	26-38	5-44 11-35 48 30
COLLISION	"	(in Hold)	26-49 9-3-50	24 Semi-bulk beam
AFTER PEAK	"	"	30-41 9-3-56	24 do

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	Flat plate keel			
STEM	Forging	9" x 2 5/16"	Industrial Steels Ltd	
STERN FRAME { Propeller Post	-11-	9 3/4" x 6 3/4"	Cleland's Ltd	
{ Rudder	-11-	9" x 6 3/4"	-11-	
RUDDER—A x D.....	417 x 24			
Speed of Vessel.....	10 knots			
RUDDER mainpiece at head ...	Forging	9 1/4"		
" " heel	-11-	7		
" how constructed	Forged & built			
" double or single plate	Single			
" 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) *Cargo Fleet, Spencer's*
Dorman Long, Bolckow Vaughan, South Durham.
Open hearth process.
 Has the Steel been tested as required by the Rules? *Yes.*

EQUIPMENT No. 28560										LETTER W	ANCHORS.
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Where and when tested and Superintendent.
		Owts.	qrs.	lbs.	Owts.	qrs.	lbs.	Tons.	cwt.	qrs.	
28156	1st Bower	52	2	7	-	-	-	44	0	1	7
28155	2nd "	52	2	6	-	-	-	43	18	3	0
28166	3rd "	44	2	0	-	-	-	38	18	3	0
	Collective weight.	149	2	7							
58080	Stream	14	1	0	3	2	14	15	16	3	14

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.					Length.	Cir.			
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.							Fathoms.	Ins.	Tons.	Fathoms.	Ins.
58751	270	2 1/2	76 1/2	107 1/2	574 - 1 - 20	573 3/4	270	2 1/2	Stud link	-	T 11/4/24 Drysdale	TOWLINE ...	120	4 1/2	39	120	4 1/2		
												HAWSERS & WARPS	2-90	2 1/2	12 1/2	2-90	2 1/2		
												"	2-90	7	manilla	2-90	7		
Iron Steamers Steel Wire	90	4 1/2	39				90	4 1/2	Steel wires certified by Flood & Faggie & Co.										

Steering Gear, Steam *Donkin's* Steering Gear, Hand *Moor pipe & Long Works.*

Boats *2 lifeboats and 2 others* Steering Chains, Size and Test *1 5/8" - 20 5/8"* Windlass *Emerson Walker*

Ceiling in Holds, thickness and material *2 1/2" W.W. at bldges only* Cargo Battens, thickness, material and spacing *2" whitewood 9" apart*

Cargo Hatchways. (Upper Deck) *Steel plates & angles* Thickness of Hatches *3" and 2 1/2" on bridge deck*

Size of No. 1 Hatchway (Forward) *28' 8 1/2" x 20' 0" No. 2 28' 8 1/2" x 20' 0" No. 3 13' 3" x 18' 0" No. 4 28' 8 1/2" x 20' 0" No. 5 28' 8 1/2" x 20' 0" No. 6*

Number of Shifting Beams and/or Fore and Afters *4 shifting beams at No. 1, 2, 4 and 5 hatchways and 2 at No. 3. No. 6 and 7*

Builder's Signature *Thomson*
General Manager.

GENERAL DECLARATION This vessel has been built in accordance with the approved plans and instructions as per Secretary's letters, as well as with the printed Rules. The materials & workmanship are good. The freeboard has been verified and the freeboard marks cut in on the vessel's sides. All double bottom and peak tanks, weather decks, bulkheads & tunnel have been satisfactorily tested. Plans enclosed: - Midship Section, Profile and decks, Stemframe & rudder, Painting arrangements, Bracket on partial floors, Beams & beam knees, Upper deck stringer etc, Tunnel plan, Pumping Arrangements and 6 forging certificates.

The amount of Entry Fee £ 7 : 0 : 0 Fees applied for, 24/11/27

Special Survey Fee £ 271 : 10 : 0 Received by me, *WP*

Travelling Expenses, if any £ : (11-2-1927) *666*

Freeboard 9 : 0 : 0

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

Hull & Machinery Date of issue *14/2/27* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. 4 FEB 1927*

Character assigned *100 A.I.*

Lloyd's Assoc. C.D. *+ L.M.C. 1:27* *C.L.*

My

1500-96,5 M

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 cwt 5 Ogs 7 lbs W.M. A 3959 4/4/24
2nd „ 34 „ 0 „ 7 „ W.M. A 3940 28/3/24
3rd „ 28 „ 3 „ 14 „ W.M. A 3942 28/3/24

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 32.21 ft., R.Q.D. — ft., Bridge 117.1 ft., Forecastle 37.92 ft. (in feet and tenths). ^{not} 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) 10% (stl)

Official No. 149422 ; Signal Letters — Is bottom of Vessel coated with cement ^{ETB} Space if not particulars of composition ✓

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	110.4	291	Fore peak tank,	20.25	120
Double bottom, under Engines and Boilers,			After peak tank,	20.4	150
Double bottom, if under Engines only, <i>feed water</i>	24.3	91	Deep tank, aft,		
Double bottom, if under Boilers only,	17.6	66	Deep tank, forward,		
Double bottom, forward,	154.6	488	Other tanks, if fitted,		
Total capacity of double bottom		936	(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. 5018

Date 24.2.23

Dates of Surveys held while building

1923
Feb. 6. 28. Mar. 1. 6. 7. 12. 13. 14. 15. 20. 22. 27. Apr. 6. 13. 19. 24. May 4. 11. 24. 25. June 8. 18. July 26. 28.
1924
Nov. 2. 9. Dec. 3. 12. 18. 21. 28. Jan. 29. Feb. 5. 11. 22. 28. Mar. 5. 14. 18. 20. 27. 28. Apr. 1. 8. 14. 23. May 1. 8. 9. 13. 19. 27.
1925
23. 29. June 6. 12. July 1. 10. 16. 23. Aug. 3. 27. Apr. 17. Nov. 8. 18. 29. Dec. 10. 23. Jan. 11. 17.

Total No. of Visits