

WRECK  
SECTION  
No 95 18 MAY 1935  
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 May 14<sup>th</sup> 1935 Port of Sunderland. No. 31628

Survey held at Sunderland Date First Survey 22 Nov., 1934 Last Survey 14 May 1935.

On the (State if Machinery fitted At and if Single, Twin or Triplet Screw) Single Screw M.V. "KIRRIEMOOR."

State Type (Full Spanting, Complete Superstructure with or without Tonnage Openings) Complete Superstructure with Tonnage Opening State Type of Erections C.S.S.

TONNAGE under "on deck" Deck...	4579.62	CLASS	+100A1	State if with freeboard as condition of Class	Yes.	Built at	Sunderland
					FEET.		

Length from fore part of stem to after part of stern } L 411.50.  
post on summer L.W.L. See Sec. 3 (1a) }  
B 53.96

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 37.17 36.67
Gross Tonnage	4970.01		

Register Tonnage 3032.03. 1st Longitudinal Number (L x D)..... = 15,0897. Managers Walter Runciman & Co. L<sup>td</sup>  
(Where necessary to be entered in Reg. Book.)

**REGISTERED DIMENSIONS.**  
FEET.

Length	412.20.	Proportions—Depth to Length—Uppermost continuous deck to top of keel	11.04
Breadth	54.25.	Do. Long Bridge to top of keel	
Depth	26.10.	Draught Moulded	25-3 $\frac{3}{4}$

Residence Newcastle-on-Tyne

Port of Registry London

*If surveyed while building, afloat, or ~~in dry dock~~*

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.
<b>FRAMES, Spacing amidships</b> .....	3 1/2.	/	<b>Bracket Floors, Frame</b> .... Y.B.A.M.B.S. ...	6 3 1/2 .36
" " from 3/4 length to Collision } bulkhead.....}	27.	/	" " Reversed Frame ..... L.....	7 3 .38
" " in peaks.....	24.	/	" " Vertical Struts ..... Ch.....	10 x 3 1/2 x 3 1/2 x .42
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	43 1/4 x .56.
<b>Frame Amidships, Angle</b> [ or [ Y.B.S.	13 1/2 4 .49.	/	" " top Angles .....	3 1/2 3 1/2 .54
" " Extends up to .....	2nd deck.	/	" " bottom Angles .....	4 4 .62
<b>Reversed Frame Amidships, Angle</b> .....	-	/	<b>Side Girders, No. each side and thickness</b> .....	One .42
" " Extends up to...	-	/	<b>Margin Plate</b> depth (excl. of flange) and thickness .....	40" x .54.
<b>Depth of Framing Girder</b> .....	13 1/2.	/	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem .....	6 6 .44
<b>Frames in Uppermost Continuous 'tween } Decks, Angle, [ or [ Y.B.S.</b>	6 3 1/2 .35	/	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem .....	6 6 .44
" " <b>Second 'tween Decks, Angle, [ or [</b>	-	/	" " Gussets, spacing and scantling abaft 1/4 len. from stem.....	.42 plate
" " <b>Third</b> " " " "	-	/	" " Gussets, spacing and scantling forward 1/4 len. from stem.....	.42 plate
<b>Framing in Peaks, Angle</b> [ or [ Y.B.S.	8 3 1/2 .38.	/	<b>Tank Side Brackets, height above base line</b> (at toe of Frame and thickness)	69 1/2 x .49.
<b>Diameter and Spacing of Rivets through } Frame and Shell Plating amidships</b> .....	7/8 - 5 3/4.	/	<b>INNER BOTTOM PLATING.</b>	
<b>State if Frame Joggled</b> .....	Yes.	/	Breadth and thickness of Middle Line Strake ...	72 x .50
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars)	See Plan. 45 frames 35 1/2 x .34. Beams 9 x 3 1/2 x .44 B.S. In hold. 5 side shell inverts 25% 4 face bars 10 x 3 1/2 x .50 Y.B.A. Frames 17 x 4 1/4 x .62 Ch. 4 girders each side Frame bottom 6 x 6 x .44. Bottom shell 66 from 1/4 L to Coll. Bulkhead	/	Thickness of remainder in Holds .....	.44
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars .....		/	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.
<b>SINGLE BOTTOM.</b>			<b>BEAMS.</b>	
<b>Floors, Depth and thickness at mid-line in } Holds</b> .....	/	/	<b>Uppermost Continuous Deck, amidships</b> (in Walls, Angle, [ or [	7 3 1/2 .43
Height of Brackets at side above } base line at toe of frame	/	/	" " in way of Bridge, Angle, [ or [	Every.
<b>Middle Line Keelson, on Floors, Angles, [ or [</b>	/	/	Spacing .....	8 3 .38
" " " Through Plate or } Intercostal Plate...	/	/	<b>Second Deck, amidships, Angle, [ or [</b>	Every
" " " Foundation Plate on } Floors	/	/	Spacing.....	
" " " Flat Plate Keel Angles	/	/	<b>Third Deck, amidships, Angle, [ or [</b>	/
<b>Side Keelsons, No. each side</b> .....	/	/	Spacing.....	/
" " thickness of Intercostal Plate...	/	/	<b>Fourth Deck, amidships, Angle, [ or [</b>	/
" " Angles .....	/	/	Spacing.....	/
<b>DOUBLE BOTTOM.</b>			<b>Poop Deck, Angle, [ or [</b>	/
<b>Solid Floors, thickness and spacing</b> .....	.42. Every 3rd	/	Spacing.....	/
" " Are Frame and Reversed Frame } joggled?.....}	Yes	/	<b>Bridge Deck, Angle, [ or [</b>	/
<b>Bracket Floors, breadth and thickness at } middle line.....}</b>	32 1/2 x .42.	/	Spacing .....	/
" " breadth and thickness at } margin plate.....}	32 1/2 x .42.	/	<b>Forecastle Deck, Angle, [ or [</b>	/
			Spacing .....	/

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Lloyd's Register  
Foundation

004068-004075-0229 1/2



## 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, No. of Rows.....</b>	One	✓	Stringer Plate, breadth and thickness in way of Bridge .....	✓	✓
.. in 'tween Decks, Size and Spacing.....	5 5 .44 alternate	✓	Thickness of Plating abreast Deck openings in way of Wells .....	.36	✓
" " " " "		✓	Thickness of Plating abreast Deck openings in way of Bridge .....	✓	✓
" in Holds " "	✓	✓	Thickness of Plating within line of openings...	.34	✓
" " " " "	✓	✓	If Sheathed, material and thickness .....	✓	
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	9 x 3 1/2 x 5 1/2 B. 1 to 6 x 3 x 3 1/2 B. 9. Every 30.	✓	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 <del>in Wells</del>	68 x .59.	✓	If Plated, state thickness .....	✓	✓
" " " " in way of Bridge	✓	✓	<b>Poop Deck.</b>		
" Angle in <del>Wells</del> .....	6 6 .58	✓	Stringer Plate, breadth and thickness .....	✓	✓
Thickness of Plating abreast Deck openings in way of Wells .....	.54	✓	Plating, Sheathing, material and thickness ...	✓	✓
Thickness of Plating abreast Deck openings in way of Bridge .....	✓	✓	<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	.38	✓	Stringer Plate, breadth and thickness.....	✓	✓
If Sheathed, material and thickness .....	✓	✓	Plating, Sheathing, material and thickness ...	✓	✓
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness <del>in Wells</del>	70" x .40.	✓	Stringer Plate, breadth and thickness.....	✓	✓
			Plating, Sheathing, material and thickness ...	✓	✓

## SHELL PLATING.

SCANTLINGS.					RIVETING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	No.	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 .....	52	.78	.68	.68			Double	1	4	4	1	4	Gapped.	
„ DBLG. (if any)	✓	✓	✓	✓			-							
BOTTOM PLATING, No. of Strakes .....	4	.60	.50	.50			Double	7/8	3 1/2	3	7/8	3 1/8	"	
BIDGE PLATING, No. of Strakes .....	1	.60	.50	.50			do	7/8	3 1/2	3	7/8	3 1/8	"	
SIDE PLATING, No. of Strakes .....	4	.60	.46	.46			do	7/8	3 1/2	3	7/8	3 1/8	"	
UPPER DECK, Sheer-strake in Wells .....	90"	.66	.46	.46			do	7/8	3 1/2	4	7/8	3 1/2	✓ "	
UPPER DECK, Sheer-strake in Bridge ...	✓						✓							
STRAKE BELOW Sheer-strake in Wells .....	75	.60	.46	.46			Double	7/8	3 1/2	3	7/8	3 1/8	Gapped.	
STRAKE BELOW Sheer-strake in Bridge ...	✓						✓							
POOP SIDE PLATING .....	-						-							
BRIDGE SIDE PLATING ...	✓						✓							
FOREC'TLE SIDE PLATING	✓						✓							

## 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)	1				
„ Deck next below	6				
As per Rule	7				

  

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD, Upper tween decks	✓				
„ „ Second „	✓				
„ „ Third „	✓				
„ „ Holds .....		39-30	12x3 1/2 x 3 1/2 x 3 1/2	24	4x12x39x44 One
COLLISION „ (in Hold) .....		54-26	10x3 1/2 x 4 1/2 x 4 1/2	24	Chain plates flat
AFTER PEAK „ „ .....		42-30	8x3x39x44	24	One frame piece

  

KEEL, Bar .....	✓				
STEM .....	✓				
STERN FRAME {					
Propeller Post .....	Cast	15x12	Vertical		
Rudder „ .....	Steel	9x8	✓		
RUDDER—A x D .....		44x6	75		
Speed of Vessel .....		10 3/4	Knots		
RUDDER mainpiece at head ..	Cast	10x8 3/4	Strummen		
„ „ heel ..	Steel	10x5	Vertical		
„ how constructed .....		Arms at	Pinholes		
„ double or single plate ..		double	38		
„ coupling, vertical or horizontal .....		Vertical			

  

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	Open hearth
	Dorman Long, South Durham, Sharncliffe Iron Co, Cargo Fleet, Crossett	
	Has the Steel been tested as required by the Rules? Yes	







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.)

amended painting stringers, welding on rudder, welding on stringers etc, gusset connections, scheme of riveting

Copies of these plans are in the Grand Office, and the above are retained for sister ships building.

The following Gorging certificates are enclosed: - rudder stocks, rudder frame, stem frame and tiller (H)

Sister Vessels M.V. "Sutherland" Messrs Dorlands No 612 Sed R/L No 31573  
M.V. "Ylenross" " " 613 " " No 31608.

Including pin

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

1st Bower	41-2-21.	J.D.	339.	2.2.35
2nd "	41-2-7.	J.D.	337	31.1.35
3rd "	38-1-21.	J.D.	259.	14.11.34.

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) & SHELTER DK: (STL)

Official No. 164461. : Signal Letters Is bottom of Vessel coated with cement if not give particulars of composition Cement in way of water ballast and in peaks.

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.		Water Capacity.	Where Fitted.	*Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	123	334		Fore peak tank,	✓	✓	
Double bottom, under Engines and Boilers, machinery	31	118		After peak tank,	14	191.	
Double bottom, if under Engines only,	✓	✓		Deep tank, <del>at</del> amidships	41	1,236	
Double bottom, if under Boilers only,	✓	✓		Deep tank, forward,	✓	✓	
Double bottom, forward,	192	722.		Other tanks, if fitted,	✓	✓	
	Total capacity of double bottom		1,174	(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. 5778

Date 13. 11. 34.

Dates of Surveys held while building

1934. Nov. 22. Dec. 3. 6. 10. 11. 14. 18. 21. 31. 1935. Jan. 3. 7. 8. 9. 14. 17. 21. 23. 24. 30.  
Feb. 1. 4. 5. 6. 8. 11. 12. 14. 19. 21. 22. 26. 28. Mar. 1. 4. 5. 6. 7. 11. 12. 13. 15. 18. 20. 22. 26. Apr. 3  
4. 9. 12. 17. 24. 29. May. 2. 7. 8. 13. 14.

Total No. of Visits 58.