

## STEEL STEAMER or MOTORSHIP.

Received at London Office 17 Sep 1924

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 Sept 15<sup>th</sup> 1924

Port of Barrow-in-Furness

No. 2081

Survey held at Barrow-in-Furness

Date First Survey January 14<sup>th</sup> 1924Last Survey September 8<sup>th</sup> 1924

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

Single screw steamer "DEARNE"

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

1921-2 rules. Single deck

State Type of Erections Poop, Bridge &amp; Fore

TONNAGE under Tonnage Deck... 831.34

CLASS 100.A.1

State if with freeboard as condition of Class No.

Built at Barrow-in-Furness

Do. of space or spaces between Tonnage Dk. and Upper Dk. ✓

Length from fore part of stem to after part of stern post on (See Sec. 2 (1) Range of Upper &amp; Lower Sec 2 (1)) L 240

Breadth (greatest moulded) B 34

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 2 (3) D 16'-4"

1st longitudinal Number (B+D) = 50.4

2nd Numeral L x (B + D) = 12080

Framing Depth "d" at middle of length. See Sec. 2 (4) 13.6

Proportions—Depth to Length—Uppermost continuous deck to top of keel 14.7

Do. Long Bridge to top of keel 9.8

Draught Moulded 14'-9"

Launched July 31<sup>st</sup> Yard No. 611

Builders Messrs Vickers Ltd

Owners London, Midland &amp; Scottish Ry Co Ltd

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

Residence Euston Station, London N.W.1.

Port of Registry Goolie.

Surveyed while building, afloat, &amp; in dry dock

## REGISTERED DIMENSIONS.

Length 240.3  
Breadth 34.2  
Depth 15.4

## 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.
AMES, Spacing amidships	✓ 23"		Bracket Floors, Frame	✓	
" " from 1/2 length to Collision bulkhead	✓ 23"	Intermediate angles built for 30ft from Stem	" " Reversed Frame	✓	
" " in peaks	✓ 23"		" " Vertical Struts	✓	
DE FRAMING.			Centre Girder, depth and thickness amidships	✓ 34 x 42	
Frame Amidships, <del>—</del> [	✓ 6 x 3 x 40		" " top Angles	✓ 3 x 3 x 40	
" " Extends up to	✓ Upper Dk		" " bottom Angles	✓ 4 x 4 x 48	
Reversed Frame Amidships, Angle	✓ nil		Side Girders, No. each side and thickness	✓ one @ 30	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	✓ 25" x 36	app 23" x 36
Depth of Framing Girder	✓ 6"		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	✓ 3 x 3 x 32	
Frames in <del>Uppermost Continuous</del> 'tween Decks, Angle, <del>—</del> [	✓ 3 1/2 x 3 x 32	scorped	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	✓ 3 x 3 x 32	
" " Second 'tween Decks, Angle, [ or [	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	✓	
" " Third " " "	✓		" " Gussets, spacing and scantling forward 1/2 len. from stem	✓	on abt. frames 4 x 3/4 Riv x 32
Framing in Peaks, Angle <del>—</del>	✓ 5 x 3 x 40		Tank Side Brackets, height above base line at toe of Frame and thickness	✓ 48" x 32	
Diameter and Spacing of Rivets through Shell Plating	✓ 7/8 @ 6 1/4		INNER BOTTOM PLATING.		
State if Frame Joggled	✓ Yes		Breadth and thickness of Middle Line Strake	✓ 34" x 48" x 42	
FRAMING ARRANGEMENTS (Sec. 29, state system and particulars)	✓ 29 deep frames 8 x 3 x 44 BA 2 stringers 3 plates midship thickness to Coll 3 plates at top 4 plates at bottom	7 1/2 x 3 x 50 app	Thickness of remainder in Holds	✓ 32	
STRENGTHENING OF BOTTOM FORWARD. 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	
DOUBLE BOTTOM. in Boiler Room & Bunkers	✓		BEAMS.		
Floors, Depth and thickness at mid-line in Holds B.R.	✓ 20 x 53 x 38 Cross Bunker.		Uppermost Continuous Deck, amidships in Wells, Angle, <del>—</del> [	✓ 6 x 3 x 36 THRO	
Height of Brackets at side above base line at toe of frame	✓ level with tank side Bkt 48" approved		" " in way of Bridge, Angle, <del>—</del> [	✓ 5 1/2 x 3 x 34 1/2 B	
Middle Line Keelson, on Floors 4 Angles	✓ 5 x 3 1/2 x 36 9 x 3 1/2 x 50 BA		Spacing	✓ 23	
" " Through Plate or Intercoastal Plate	✓ 13" x 54 40 plate		Second Deck, amidships, Angle, [ or [	✓	
" " Foundation Plate on Floors	✓ 11" x 54		Spacing	✓	
" " Flat Plate Keel Angles	✓ 4 x 4 x 48 One & Margin continuous		Third Deck, amidships, Angle, [ or [	✓	
Side Keelsons, No. each side	✓		Spacing	✓	
" " thickness of Intercoastal Plate	✓ 36		Fourth Deck, amidships, Angle, [ or [	✓	
" " Angles	✓ 5 x 3 1/2 x 36		Spacing	✓	
DOUBLE BOTTOM.			Poop Deck, Angle, <del>—</del> [	✓ 4 1/2 x 30 approved	
Solid Floors, thickness and spacing	✓ 32 @ 23"		Spacing	✓ 23"	on
" " Are Frame and Reversed Frame joggled?	✓ Yes		Bridge Deck Angle, <del>—</del> [	✓ 5 x 2 1/2 x 32	filling arrangement
Bracket Floors, breadth and thickness at middle line	✓		Spacing	✓ 23"	
" " breadth and thickness at margin plate	✓		Forecastle Deck, Angle, <del>—</del> [	✓ 5 x 2 1/2 x 32	
			Spacing	✓ 23"	



## 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 .....		
" " " " " " " " " " " "	2 <sup>3</sup> / <sub>4</sub> " @ 4 frames		Thickness of Plating abreast Deck openings in way of Wells .....		
" " " " " " " " " " " "	✓		Thickness of Plating abreast Deck openings in way of Bridge .....		
" " " " " " " " " " " "	4" @ 2 fms	app <sup>d</sup> 3 <sup>7</sup> / <sub>8</sub> - 3 <sup>1</sup> / <sub>8</sub>	If Sheathed, material and thickness .....		
" " " " " " " " " " " "	✓		<b>Third Deck.</b>		
<b>Centre Line Bulkhead.</b>	✓		Stringer Plate, breadth and thickness .....		
Stiffeners and Spacing.....	✓		If Plated, state thickness.....		
Plating, thickness of .....	✓		<b>Fourth Deck.</b>		
<b>STRINGERS AND DECKS.</b>			Stringer Plate, breadth and thickness.....		
<b>Uppermost Continuous Deck.</b>			If Plated, state thickness.....		
Stringer Plate, breadth and thickness in Wells	44 x .83		<b>Poop Deck.</b>		
" " " " " " " " " " " "	44 x .45		Stringer Plate, breadth and thickness .....	22 x .28	
" Angle in Wells .....	5 x 5 x .58		Plating, Sheathing, material and thickness ...	3" P. Steel	
Thickness of Plating abreast Deck openings in way of Wells .....	304 .38		<b>Bridge Deck.</b>		
Thickness of Plating abreast Deck openings in way of Bridge .....	.65P + .7BS		Stringer Plate, breadth and thickness.....	48 x .36	
If Sheathed, material and thickness .....	3 <sup>1</sup> / <sub>2</sub> " P.P aft of Bridge front		Plating, Sheathing, material and thickness ...	.30 steel	
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells..	✓		Stringer Plate, breadth and thickness.....	.30	
			Plating, Sheathing, material and thickness ...	.30 steel	

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>No</i>			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	42	80	64	80		double	1	3 3/8	quad	1"	4"	lapped
" DBLG. (if any)	.60 doubling 40 ft fore of Stern post											
BOTTOM PLATING, No. of of Strakes	54	50-48	50-48	40		"	7/8	3 5/8	treble (see letter)	7/8	3 1/2	lapped
BILGE PLATING, No. of Strakes	54	56-48	48-40	48-40		"	3/4	3 3/4	" 3/4-2 1/2	3/4	3"	"
SIDE PLATING, No. of Strakes	54	48	40	40		single	3/4	3 3/4	" "	3/4	3"	"
UPPER DECK, Sheer- strake in Wells	41	70	40	40		Double	1"	3 5/8	(see letter)	1"	3 1/2	strapped only in way of doubling
UPPER DECK, Sheer- strake in Bridge	41	48				single	3/4	3 3/4	" 3/4-2 1/2	3/4	3	lapped
STRAKE BELOW Sheer- strake in Wells	41	54				double	7/8	3 5/8	"	7/8	3 1/2	"
STRAKE BELOW Sheer- strake in Bridge	37	48				single	3/4	3	" 3/4-2 1/2	3/4	3	"
POOP SIDE PLATING	10	30				single	3/4	3	double	3/4	3	"
BRIDGE SIDE PLATING	10	48				single + double	3/4	3 3/4	treble 3/4-2 1/2	3/4	3	"
FORECASTLE SIDE PLATING		30				single	3/4	3	double	3/4	3	"

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) *five*

.. Deck next below *✓*

As per Rule *four.*

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....	✓	✓	✓	✓
STEM .....	✓ Rolled	7½ x 2½	✓	✓
STERN FRAME {	Propeller Post .....	Cast 7½ x 5"	w Beardmore	approved
{	Rudder .....	" 6½ x 5"	Co Ltd	forged
RUDDER—A x D .....	✓	167		
Speed of Vessel .....	✓	13 knots		
RUDDER mainpiece at head .....	✓ forging	7"		
" " heel .....	"	5¼		
" how constructed .....	✓	forged arm & mainpiece arm & trunk on.		
" double or single plate .....	✓	98 thick		
" coupling, vertical or .....	✓	horizontal 6-2" Bolts.		

STEEL.

"	"	"		Manufacturer's name or trade mark of the Steel used in the construction of the
"	"	Holds	34-26 6x36 BA 30"	Vessel (state process of manufacture) open hearth process Dorman
<b>COLLISION</b>	"	(in Hold)	50-26 8x34 2 BA 24' chain locker bottom	Long & Co, W Beardmore & Co Ltd, D Colville & Sons
<b>AFTER PEAK</b>	"	"	42-26 6x36 QA 24' tunnel recess	Has the Steel been tested as required by the Rules? Yes



EQUIPMENT No. 13593

LETTER O

ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 31		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	lbs.			
58160	1st Bower ...	28	1	24	✓			27	10	0	0	28		Stockless.	S. Taylor & Sons.	Sipton 29/5/24 W.A.D.
58161	2nd „ ...	28	1	7	✓			27	6	1	0	28		"	"	" 29/5/24 W.A.D.
58162	3rd „ ...	24	2	16	✓			24	8	1	21	24		"	"	" 29/5/24 W.A.D.
	Collective weight.	81	1	19								80				
58155	Stream .....	7	1	4	1	3	10	9	9	1	14	7	0	Iron Stock.	2 of 2 Round Oak Wks.	" 27/5/24 W.A.D.

## CHAIN CABLES.

## HAWERS 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.		Supplied.	Per Rule.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.
58873	240 1/4	1 1/16	43 9/10	6 1/10	303.1.6	298.2.19		240	1 1/16	stud link.	Earl of Dudley's Round Oak Wks.	Sipton 13/6/24 W.A.D.	TOWLINE...	90	10	22	90	10
Iron Stream Steel Wire	75	3 3/4	29					75	3 3/4				HAWERS & WARPS	2@90	3 1/2	26	90	6
													"	4@60	2 1/4	9 1/2	90	5
													"	2@60	2	7		
													"	4@90	4 1/2	✓		

Steering Gear, Steam *hasties combined fitted aft. (Wilson Pirie)*

Steering Gear, Hand ✓

Boats *2 lifeboats. 24' x 7' 6" x 3' 1"**1 jollyboat 16' 5' 3" x 2' 3"*Steering Chains, Size and Test *nil.*Windlass *Emerson, Walker & Thompson.*Ceiling in Holds, thickness and material *2 1/2" R.P.*Cargo Battens, thickness, material and spacing *6' x 2" W.P. 9" apart*Cargo Hatchways. (Upper Deck) *30" High. x 44*Thickness of Hatches *3"*Size of No. 1 Hatchway (Forward) *15' 4" x 11'* No. 2 *24' 11" x 11'* No. 3 *24' 11" x 11'* No. 4 No. 5 No. 6Number of Shifting Beams *24. Fore and Afters* *Two at No. 1 & four at No. 2 & 3.*

FOR VICKERS LIMITED.

Builder's Signature

DIRECTOR

GENERAL DECLARATION This vessel has been built in accordance with the approved plans & instructions and in other respects in compliance with the Society's 1921-2 rules and regulations.

The materials &amp; workmanship are good.

The freeboard assigned by the Society has been verified and the marks cut in on the vessel's side.

The double bottom, peaks, weather decks, bulkheads, watertight doors, pumps etc have been tested in accordance with the Society's rules and found satisfactory.

This vessel is a duplicate of the S.S. Don; Messrs Vickers Ltd No. 612. now being constructed.

The approved plans viz - Midship Section - Profile - Pillaring arrangement - Stern frame and rudder and bottom strengthening forward are enclosed and should be returned to this office for dealing with the sister vessel.

The amount of Entry Fee ..... £ 5 : 0 : 0

Fees applied for,

Special Survey Fee.... £ 104 : 6 : 0

Sept 12<sup>th</sup> 1924

Freeboard Fee £ 5

Received by me,

Travelling Expenses, if any £ :

26/9/24

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

State whether the Vessel has been built under Special Survey.

Yes

Signature *Kenneth Inglis*

Surveyor to Lloyd's Register of Shipping.

Hull & Machinery Certificate to be sent to *this office*Date of issue *26/9/24*

Committee's Minute

FRI. 26 SEP 1924

Character assigned

100 A.I.

Lloyd's at 6.0

+ L.M.B. 9.24.

L.M.B. 9.24.

M.H.



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Lloyd's Register Foundation

002085-002093-0069 1/2



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 "

forged heads & shanks.

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop 38 ft., R.Q.D. ☒ ft., Bridge 88 ft., Forecastle 35 ft.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book)

1 Dk (Str)

Official No. 146343

Signal Letters ☒

If bottom of Vessel has been coated Inside Yes

give

particulars of composition, in tanks cement & cement wash - in bunkers & under boilers bituminastic enamel

**PARTICULARS OF WATER BALLAST.**—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>57.5</u>	<u>55</u>	Fore peak tank,	<u>16</u>	<u>14</u>
Double bottom, under Engines and Boilers,	<u>15.3</u>	<u>30</u>	After peak tank,	<u>9</u>	<u>25</u>
Double bottom, if under Engines only,	<u>90</u>	<u>119</u>	Deep tank, aft,		
Double bottom, if under Boilers only,		<u>204</u>	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. 1

Date 14<sup>th</sup> January 1924

Dates of Surveys held while building

1924 Jan 11 Mar 17 April 7 14 28 29 May 6 7 9 12 13 15 16 17 21 27 30 June 3  
6 7 11 13 20 27 July 4 7 8 10 16 28 30 31 Aug 11 12 14 15 20 26 27 Sept 1 13 14  
8

Total No. of Visits 43