

State if Report is sent on the Machinery of the Vessel Boiler report only

No. 46139

Last Survey 16<sup>th</sup> Nov 1926

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

State Type of Erections ✓

CLASS 100-A-1  
DREDGER

State if with freeboard }  
as condition of Class } .....

Built at Renfrew.

Length from fore part of stem to after part of stern } L 141.12  
post on summer L.W.L. See Sec. 3 (1a) }

Launched 9.9.26 Yard No. 918

Builders Lobnitz & Co. Ltd.

Owners London & North Eastern Railway

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

Residence Still

Port of Registry.....HULL.

If surveyed while building, afloat, or in dry dock  
Building.

Total .....

Gross Tonnage.....473.97

Register Tonnage 422.10

**Breadth** (*greatest moulded*) ..... B 36.

**Depth**, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) ..... } D 12.5

1st Longitudinal Number (L  $\times$  D)..... = 1764

2nd Numeral  $L \times (B + D) \dots\dots\dots = 6844$

**Framing Depth "d,"** at middle of length. See } 11.17  
Sec. 3 (1d) .....

**Proportions**—Depth to Length—Uppermost continuous deck to top of keel ..... } 11.29

Do. Long Bridge to top }  
of keel } ----- ✓

**Draught Moulded** *Freeboard for voyage only.*

**REGISTERED DIMENSIONS.**  
FEET.

Length 147.0

Breadth 36.15

Depth 11.90

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> .....								
" " from 1/2 length to Collision bulkhead.....		21						
" " in peaks.....								
<b>FRAME FRAMING.</b>								
Frame Amidships, Angle, E or F .....	4 1/2	3	.38	4 1/2 x 3 x .33	APPROVED.			
" " Extends up to .....	deck							
Reversed Frame Amidships, Angle .....	3	3	.40	3 x 3 x .35	UNDER 88' 46"			
" " Extends up to .....	double under engine and boiler bearers.				UNDER 88' 46"			
Depth of Framing Girder.....	Flanged floor slawline.		4 1/2					
Frames in Uppermost Continuous 'tween Decks, Angle, [ or [ .....	✓							
" " Second 'tween Decks, Angle, [ or [ .....	✓							
" " Third " " " " .....	✓							
Framing in Peaks, Angle E or F .....	4 1/2	3	.38	4 1/2 x 3 x .33				
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....	3/4" x 5/4"							
State if Frame Joggled .....	Yes.							
<b>PLATING ARRANGEMENTS</b> (Sec. 7), state system and particulars)								
	✓							
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars .....								
	✓							
<b>INNER BOTTOM.</b>								
Floors, Depth and thickness at mid-line in Holds .....	16	.38	16 x .38					
Height of Brackets at side above base line at toe of frame .....	32	-	BR. 48					
Middle Line Keelson, on Floors, Angles, E or F .....	4 1/2	3	.44	4 1/2 x 3 x .39				
" " Through Plate or Intercostal Plate .....	Br	.38	.33					
" " Foundation Plate on Floors .....	Br	.48	BR. 48					
" " Flat Plate Keel Angles .....	3 1/2	3 1/2	.44	3 1/2 x 3 1/2 x .39				
Side Keelsons, No. each side .....	Two.							
" " thickness of Intercostal Plate...	Br	.35	.30					
" " Angle Bull Single .....	7	3	.40	7 x 3 x .35				
	Br	.50	Br. 45					
<b>DOUBLE BOTTOM.</b>								
Solid Floors, thickness and spacing .....	✓							
" " Are Frame and Reversed Frame joggled? .....	✓							
Bracket Floors, breadth and thickness at middle line.....	✓							
" " breadth and thickness at margin plate.....	✓							
<b>Bracket Floors, Frame</b> .....								
" " Reversed Frame .....	✓							
" " Vertical Struts .....	✓							
<b>Centre Girder,</b> depth and thickness amidships .....								
" " top Angles .....	✓							
" " bottom Angles .....	✓							
<b>Side Girders,</b> No. each side and thickness .....								
<b>Margin Plate</b> depth (excl. of flange) and thickness .....								
" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem .....	✓							
" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem .....	✓							
" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	✓							
" " Gussets, spacing and scantling forward 1/2 len. from stem.....	✓							
<b>Tank Side Brackets,</b> height above base line at toe of Frame and thickness)								
<b>INNER BOTTOM PLATING.</b>								
Breadth and thickness of Middle Line Strake ...	✓							
Thickness of remainder in Holds .....	✓							
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>BEAMS.</b>								
Uppermost Continuous Deck, amidships) in Wall, Angle, E or F .....	5	3	.41	5 x 3 x .36	APPROVED			
" " in way of Bridge, Angle, [ or [ .....	✓							
Spacing .....		21						
Cabin Sole								
Second Deck, amidships, Angle, E or F .....	5	3	.36	4 x 3 x .32L				
Spacing.....		42						
Third Deck, amidships, Angle, [ or [ .....	✓							
Spacing.....								
Fourth Deck, amidships, Angle, [ or [ .....	✓							
Spacing.....								
Foop Deck, Angle, [ or [ .....	✓							
Spacing.....								
Bridge Deck, Angle, [ or [ .....	✓							
Spacing.....								
Forecastle Deck, Angle, [ or [ .....	✓							
Spacing .....								



## 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>	Two		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 .....	✓	
"    "    "    "    "	✓		Thickness of Plating abreast Deck openings in way of Bridge .....	✓	
"    in Holds    "    "	2 1/4" solid		Thickness of Plating within line of openings...	✓	
"    "    "    "    "	3 spaces E.R. only.		If Sheathed, material and thickness .....	✓	
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of .....	✓		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 in Wells	72	37 72 x 32	If Plated, state thickness .....	✓	
"    "    "    "    in way of Bridge			<b>Poop Deck.</b>		
"    Angle in Wells .....	4 1/2 x 3 1/2 x 48	3 1/2 x 3 1/2 x 38	Stringer Plate, breadth and thickness .....	✓	
Thickness of Plating abreast Deck openings in way of Wells .....	33	28	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...	✓		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 in Wells...	✓		Stringer Plate, breadth and thickness.....	✓	
			Plating, Sheathing, material and thickness ...	✓	

## SHELL PLATING.

[illegible]

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b> Extending to Upper Deck (Sec. 3 c)..... 9 " Deck next below..... 1 As per Rule..... 9					
	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks					
" " Second "					
" " Third "					
" " Holds .....	38/32	5x3x46	24/30	✓	✓
COLLISION " (in Hold) .....	44/32	5x3x46 BA	24	✓	✓
AFTER PEAK " " .....	38/32	"	30	✓	✓

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....				
<b>STEM</b> .....				
<b>STERN FRAME</b> { Propeller Post .....				
{ Rudder „ .....				
<b>RUDDER—A×D</b> .....				
<b>Speed of Vessel</b> .....				
<b>RUDDER</b> mainpiece at head .....				
„ „ heel .....				
„ how constructed .....				
„ double or single plate .....				
„ coupling, vertical or horizontal .....				

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth process.*  
*Wm Beardmore & Co. Ltd. Steel Co of Scotland. Pearse Partners.*  
Has the Steel been tested as required by the Rules? *Yes.*



EQUIPMENT No.										LETTER										ANCHORS.									
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY			Description of Anchor.	Makers.	Where and when tested and Superintendent.													
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Tons.	cwts.				qrs.	lbs.											
1st Bower ...														2 - 30WT. INC STOCK } 4 - 25WT. STOCKLESS } 6 - 15 "	for particulars please see following page.														
2nd "																													
3rd "																													
Collective weight.																													
Stream																													

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.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.	Length.	Cir.					Length.	Cir.		Length.	Cir.
Iron Stream Chain or Steel Wire	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.	480 5/8 Std } 480 7/8 open }	for particulars please see following page.		TOWLINE ...	Fathoms.	Ins.	Tons.	Fathoms.	Ins.

Steering Gear, Steam *NIL* Steering Gear, Hand *NIL*

Boats *One 14'-0" x 5'-4" x 2'-1/2"* Steering Chains, Size and Test *—* Windlass *Lobnitz Co. Std. Steam*  
*One 16'-0" x 5'-9" x 2'-4"*

Ceiling in Holds, thickness and material *2 1/2" R.P.* Cargo Battens, thickness, material and spacing *✓*

Cargo Hatchways.—(Upper Deck) *Two* Thickness of Hatches *3" W.P. Covers*

Size of No. 1 Hatchway (Forward) *12'-3" x 6'-0"* No. 2 *14'-0" x 6'-0"* No. 3 *✓* No. 4 *✓* No. 5 *✓* No. 6 *✓*

Number of Shifting Beams and/or Fore and Afters *✓*

FOR LOBNITZ & Co., LIMITED  
*FR. Muller*  
 Builder's Signature

GENERAL DECLARATION *This vessel has been built in accordance with the approved plans, the Secretary's letters of various dates and in general conformity with the rules for the class contemplated. The materials and workmanship are sound and good. Freeboard verified and marks cut in on vessel's side (for voyage only). The Peaks, bulkheads and decks tested in accordance with the rules and found satisfactory. The following approved plans are enclosed herewith: midship section and Pumping arrangements. Mid. section as built.*

The amount of Entry Fee ..... £ *3* : 0 : 0 Fees applied for, *22 NOV 1926*  
 Special Survey Fee .... £ *47* : 8 : 0 I am of opinion the Vessel should be Classed *100-A-1. "DREDGER"*  
 FREEBOARD. Travelling Expenses, if any £ *3* : 0 : 0 Received by me, *£50/8/- on 26/11/26*  
 State whether the Vessel has been built under Special Survey *Yes* Signature *For M. Macleod*  
 Certificate to be sent to *Shs.* Date of issue *27/11/26* Surveyor to Lloyd's Register of Shipping. *John A. Lawson.*

Committee's Minute *GLASGOW 23 NOV 1926*  
 Character assigned *÷ 100A1*  
*Dredger*  
*11.26.*  
*Lloyds A+C.P.*  
*+ N.B. 1026*



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 ANCHORS

No. of CERT.	ANCHOR	WT. EX. STK.			TEST, PER CERT.				APPROVED.	DESCRIPTION	MAKERS.	WHERE, WHEN, & SUPP.
		No.	C	Q	lbs.	T	C	Q				
42134	1	30	0	16	Stockless	28	14	1	14	30 inc. stock	Green Green	Rad. Heath, 29.9.26. S. C. Paul
42135	2	29	1	21	"	28	5	0	0	30 "	"	"
42114	3	25	2	7	"	25	5	3	21	25 shlex	"	22.9.26
42115	4	24	3	16	"	24	12	3	7	25 "	"	"
42119	5	25	0	0	"	24	15	0	0	25 "	"	27.9.26
42120	6	26	0	14	"	25	14	1	14	25 "	"	"
42127	7	14	3	7	"	16	7	3	7	15 "	"	"
42128	8	14	3	7	"	16	7	3	7	15 "	"	28.9.26
42132	9	14	3	21	"	16	10	0	0	15 "	"	"
42133	10	15	0	0	"	16	10	0	0	15 "	"	"
42130	11	15	0	26	"	16	14	1	14	15 "	"	29.9.26
42131	12	15	0	4	"	16	10	0	0	15 "	"	"

250 3 27

250 cwt's

Supplied.

Particulars of  
Drop Tests of Cast  
Steel anchors viz.  
Wt. Surveyor's initials  
Ref. cert. Date of Test.

	CWT.	Q.	lbs.	APP.	
1	18.0.6	R.P.	1095	16.3.25	
2	16.3.4	A.B.	3918	5.5.26	
3	14.2.27	A.B.	3922	5.5.26	
4	15.1.7	A.B.	2289	29.9.25	
5	15.1.11	A.B.	3859	5.5.26	
6	15.1.13	R.P.	1042	22.1.25	
7	8.1.22	R.P.	1036	22.1.25	
8	8.1.25	R.P.	1034	22.1.25	
9	9.0.2	A.B.	3868	5.5.26	
10	8.3.23	A.B.	3921	5.5.26	
11	9.0.4	A.B.	3869	5.5.26	
12	8.1.21	R.P.	1035	22.1.25	

CHAIN CABLES.

No. of CERT.	LTH	DIA.	STAT.	BKG.	C	Q	lbs.	CWTS.	REQ.	FATH	DIA.	DESC.	MAKERS.	WHERE WHEN SUPP.
82102	120	1 5/16	31	4 1/2	106	0	8	424	0.27			STUD	E. BAYLIE & Co.	Netherton, 20.10.26. W. Green
82103	120	"	"	"	106	0	15					"	"	" 27.10.26 "
82122	120	"	"	"	106	2	0					"	"	"
82123	15	"	"	"	13	1	3					"	John Green	GRAD HT. 29.9.26. S. C. Paul
39472	103	"	"	"	95	0	15			480	1 5/16	STUD.	"	"
	480				427	0	13					S.L.	E. BAYLIE & Co.	NETHERTON 20.10.26. W. Green
81080	120	7/8	9 3/8	18 1/2	52	0	8					"	"	"
81081	120	"	"	"	51	3	0	203	0.24			"	"	" 27.10.26 "
81091	120	"	"	"	52	1	0		REQ.			"	"	"
81092	120	"	"	"	52	0	19			480	7/8	"	"	"
	480				208	0	27							

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

1st Bower

2nd "

3rd "

see particulars above.

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) one dx (SK)

Official No. 149103 ; 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,	5.25	10 EACH
Double bottom, forward,			Other tanks, if fitted, 2 F.W. Tanks (AMIOS)		
			(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. 5251

Date 22.2.26

Dates of Surveys  
held while building

1926 Apr 19.20.29 May 6.11.14.20.25.24.31 June 3.9.11.16.22.24.28 July 5.8.12.24.29  
Aug 3.25.30 Sep 8.13.14 Oct 4.6.8.19.20.29 Nov 3.9.12.15.16.

Total No. of Visits

39