

With or Without
Disconnected Erections.

FERRO-CONCRETE VESSEL.

TYPE

Coaling Hulk

(Received at London Office 4 DEC 1919)

Date of completion of report

22 December 1919

Port of

London

No (First Entry)

Survey held at

Tilbury

Date, First Survey

22nd July 1918

Last Survey

28th November 1919

On the

Ferro-Concrete Towing Barge

"CRETELL" (O.C. 504)

Rig

TONNAGE under
Tonnage Deck

641.61

Do. between Tonnage Dk.
and 3rd and 4th Dk.

Tonnage under Upper Dk.

Do. of Poop

of R.Q.Dk.

of Bridge House

Forecastle

houses on Dk.

Mass of Hatchways

Crown of

Room ...

Tonnage

Space

Crown of

Room ...

FOR FEES...

Room

ingation Spaces

Tonnage

on Deck

er Rule...

ions from Ship's Register, Length

breadth

depth

Moulded depth, ft.

ins.

To Upper Dk.*

Dk. Beam, Actual

ins.

ES at Sides, Amidships

g

rausings No 2+12

RS, Amidships

g

rawing No 2

E BOTTOM, Floors

ps

GIRDER

IDERS & Margin

Side including Margin

CLASS A.1. Coasting U.K. (except West Coast

Cork to Portland (Irish) and

Continent, Brest to Hamburg

Subject to Annual Survey Experimental

Type of Construction

Pre-cast

Breadth (outside of slabs)

35.42

*Depth at middle of length from underside of bottom
slab at keel to top of upper deck slab at side ...

18 ft

Intro " " Bridge " " "

Length on deck from fore part of stem to after part
of stern post

180 ft

Proportions—Depths (*) to Length—Upper Deck

10

" " Bridge Deck

Destined Voyage

If Surveyed while Building, Afloat, or in Dry Dock: Building

Feet. Inches. BREADTH—Feet. Inches. DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beam 16 16
Do. do. do. do. Second Dk. Beam 16 16

Round of Upper }
To Upper Dk.* Dk. Beam, Actual }

In Ship. Approved. In Ship. Approved.

Concrete. Reinforcement Concrete. Reinforcement Concrete. Reinforcement Concrete. Reinforcement

5x24 5x24 5x27 5x27

Outs 2 3/8" 0 Outs 2 3/8" 0 Drawing No 2 Top 4 1/8" 0 Top 4 1/8" 0

Inns 4 7/8" 0 Inns 4 7/8" 0 Bottom 2 3/8" 0 Bottom 2 3/8" 0

Stirrups 1/2" 0 Stirrups 1/2" 0 Stirrups 1/2" 0 Stirrups 1/2" 0

@ 8" pitch @ 8" pitch SIDE KEELSONS 5x27 5x27

Spacing 3-11" c/c Top 4 1/8" 0 Top 4 1/8" 0

No. Each Side 3 Bottom 2 3/8" 0 Bottom 2 3/8" 0

Stirrups 1/2" 0 Stirrups 1/2" 0

@ 6" pitch @ 6" pitch

See bilge chine

SIDE STRINGERS 4x12 4x12

Spacing 3-6 1/2" c/c Inns 2 3/8" 0 Inns 2 3/8" 0

* Lower stringer 3/4" 0 2 1/2" 0 2 1/2" 0

No. Each Side 3 Outs 2 1/2" 0 Outs 2 1/2" 0

Stirrups 1/2" 0 Stirrups 1/2" 0

@ 10" pitch @ 10" pitch

BILGE CHINE 8 1/2 x 26 1/2 16 1/8" 0 8 1/2 x 26 1/2 16 1/8" 0

Stirrups 1/2" 0 Stirrups 1/2" 0

@ 8" pitch @ 8" pitch

UPPER CHINE 16x16 28 1/8" 0 16x16 28 1/8" 0

Stirrups 1/2" 0 Stirrups 1/2" 0

@ 8" pitch @ 8" pitch

2020

Lloyd's Register

Foundation

006111-006125-0082112

MASTS, SPARS, &c.												
		Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
				At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS...	Fore	Steel	70'-1"	24" dia	for full length		Two	-	-	Single	Double	
	Main	"	70'-1"		do		Two	-	-	Ditto		
	Mizen											
Bowsprit ✓												
Topmasts, Yards and Remainder of Spars ✓												
Rigging, Material and Size, Shrouds				4" Steel Wire				Stays Steel Wire				
Sails. ✓		Suit of ✓		Sails, and the following spare sails ✓								

We certify that the above is a correct description of the several particulars therein given.

CHRISTIAN A. MIELDER.
R. N. Storey
 Builder's Signature

Surveyor's Signature *John W. Lee*
Norman Dobson
 Surveyor for Lloyd's Register of Shipping.

MANAGER

EQUIPMENT No.				LETTER				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. cwt. qrs. lbs.		Cwts. qrs. lbs.													
30893		1st Bower		18 0 0		Stockless		19 0 0		17 2 0		Stockless		Yellow B		C.H. 14-3-19 L. Paul							
30897		2nd "		17 2 24		Stockless		18 16 1 0		17 2 0		do		do		C.H. 13-3-19 L. Paul							
		3rd "																					
		4th "																					
		Collector weight.																					
30906		Stream		4 3 24		1 1 0		7 7 2 0		5 0 0		Ordinary		Yellow B		C.H. 14-3-19 L. Paul							
		Kedge																					
Particulars of Drop Test of Cast Steel Anchors, viz.:- Weight, Surveyor's Initials, Number of Certificate, Date of Test.				1st Bower				Anchor Head				9-3-8 H.C.F. 240				30-10-18 Snapped fifteen feet							
				2nd "				do				9-2-14 H.C.F. 210				25-10-18 do							
				3rd "																			
				4th "																			
CHAIN CABLES.																HAWERS AND WARPS.							
Number of Certificate.		Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and size per Certificate.		Description.		Makers of Cables.		Where and when tested, and Superintendent.		Material.		Length and size supplied.		Breaking Test of Steel Wire Towline.		Length and size per Certificate.	
		Length. Diam.		Statu- Break- ing. Tons.		Supplied. Cwts. qrs. lbs.		Per Rule. Cwts. qrs. lbs.		Length. Diam. Fathoms. Ins.								Length. Cir. Fathoms. Ins.		Tons. Fathoms. Ins.		Length. Cir. Fathoms. Ins.	
26972		180 1 3/8		31 46 1/2		170-2-8		159-9-12		180 1 3/8		Two Yellow B		C.H. 23-5-19 L. Paul		TOWLINE.....		8 @ 30 2 1/2 12 1/2		8 @ 30 2 1/2		2 1/2	
																HAWERS & WARPS		60 3 1/4 22		60 3 1/4		3 1/4	
																		60 3 18		60 3		3	
Iron Stream Chain or Steel Wire																							
Boats One Steering Gear, Steam None Steering Gear, Hand Yes																							
Pumps, Number Five Six Diameter of Barrel 4" State whether they are in efficient working order Yes																							
Windlass is Steam Capstan Steam																							
Engine Room Skylights. How constructed? What arrangements for deadlights in bad weather? Yes																							
Coal Bunker Openings. How constructed? Scuttles How are lids secured? Bayonet joints Height above deck? Flush																							
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Yes																							
Ceiling in Holds, thickness and material 2" Deal Cargo Battens, thickness and material Not fitted																							
Cargo Hatchways. How formed? Concrete Hatches, If strong and efficient? Yes 2 1/2"																							
State size No. 1 Hatch (Forward) 26'0" x 17'0" No. 2 Hatch 34'7" x 17'0" No. 3 Hatch 21'8" x 17'0" No. 4 Hatch Yes																							
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch Two Webs 9 3 fore & after to No 1 and 3 and 3 webs																							
Bulwarks, height above deck and description CHRISTIANI & NIELSEN. Main Rail, material and size Yes																							
The foregoing is a correct description. R. N. Stropf. Surveyor's Signature John Lee Norman Dobson																							
Builder's Signature (here only) MANAGER Surveyor to Lloyd's Register of Shipping.																							
Concrete Materials used: Aggregate, Size and Particulars Thames Ballast, crushed, screened & passed thro' 3" sq mesh																							
Portland Cement Brand Junnel (Gray)																							
Proportions 1 part Cement: 1 1/2 parts sand: 1 3/4 shingle																							
Test Results of Concrete actually used in Vessel Average crushing at seven days 2170 lbs. per sq. inch. Size of Cubes 14" sq																							
Ditto twenty-eight days 3680 Ditto 4" sq																							
Percolation at 20 and 46 days on a slab size 9 x 9 x 2 Water penetration @ 20 days 3 1/2, 1 1/2, 1 1/2, at 46 days 1 1/2, 1 1/2, 1 1/2																							
Correspondence. State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)																							
Test certificate issued by K. Keldy & Son & date 7/6/18 28/4/18 27/7/18 7/8/18																							
Have all the upper and weather decks been tested as required by the Rules for Steel Ships (Sec. 26, par. 20)? Yes State results of tests Good																							
Have all the gutterways been tested as required by the Rules for Steel Ships (Sec. 26, par. 20)? Yes State results of tests																							
Workmanship. Good generally. This vessel has been built in accordance with the approved plans.																							
Sister Vessels																							
O.C. 500																							
501																							
502																							
O.C. 503																							
The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built.																							
The amount of Entry Fee £ 110: 17: 0 Fees applied for. 24/11/19 20 from Lon.																							
Special Survey Fee £ 2: 2: 0 Received by me. 16.4.19 20 MW																							
Travelling Expenses, if any £ 2: 2: 0 Certificate to be sent to Date of issue 21.1.20																							
State whether the Vessel has been built under Special Survey Yes																							
I am of opinion this Vessel should be Classed A.1. Experimental subject to Annual Survey																							
With, or without Freeboard, as condition of Class Without																							
Committee's Minute																							
Character assigned																							
Coasting U.K. & foreign coast (not to be used for trade) and + 28.10.19																							
Continues from Brest to Hamburg																							
subject to Annual Survey																							
Experimental																							
Ships A.G.B. P.																							
Engine of Son Surveyor																							

GENERAL REMARKS—

[Faint handwritten notes and sketches are visible in the background of the General Remarks section.]

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

One deck (Concrete)

Official No. _____; Signal Letters _____

State if Machinery is fitted aft *None*

If bottom of Vessel has been coated with any waterproofing material, paint, or other composition, give particulars *None. Two coats "Wales" Solation on bottom sides up to light bar*

PARATICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system.

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water
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,		
Double bottom, forward,			Other tanks, if fitted,		
	Total capacity of double bottom		(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

State whether the above have been tested as required by the Rules

Order for Special Survey No. _____

Date _____

No. *OC 504* in builder's yard.

DATES OF SURVEYS held while building

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

Total No. of Visits _____

Surveyor's Signature

John W. Lee Lloyd's Register Foundation