

	In Ship.		Approved.			In Ship.		Approved.	
	Concrete.	Reinforcement.	Concrete.	Reinforcement.		Concrete.	Reinforcement.	Concrete.	Reinforcement.
BEAMS:									
Upper Deck	6" x 14"	4-1 1/2"	6" x 14"	4-1 1/2"					
Spacing 3'-0"	6" x 12 1/2"	4-1 1/2"	6" x 12 1/2"	4-1 1/2"					
as approved.	4" x 10"	2-1 1/2"	4" x 10"	2-1 1/2"					
Half Beams, Upper Deck	4" x 12"	1-1 1/4"	4" x 12"	1-1 1/4"					
Spacing 3'-0"									
as approved.									
Second Deck									
Half Beams, Second Deck									
Poop Deck									
Bridge Deck									
Forecastle Deck									
Girders & Pillars in 'tween Decks									
Spacing									
Girders & Pillars in Hold									
Spacing									
Bottom Slab	3 1/2" x 3 3/4"	66-3/4"	3 1/2" x 3 3/4"	66-3/4"					
Inner bottom Slab									
Side Slabs	3 1/4"	3 1/4"	3 1/4"	3 1/4"					
Upper Deck Slab (Material and Thickness)	3 1/2" x 3"	48-3/4"	3 1/2" x 3"	48-3/4"					

MASTS, SPARS, &c.

	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Scams.	Butts.
Fore Mast	19' 0"										
Main Mast											
Mizen Mast											
Bowsprit											
Topmasts, Yards and Remainder of Spars											
Rigging, Material and Size, Shrouds											
Sails.											

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

THE ABERDEEN CONCRETE SHIPBUILDING CO. LTD.

Builder's Signature

James B. Nicol

Surveyor's Signature

James B. Nicol

Surveyor to Lloyd's Register of Shipping.

MANAGER

EQUIPMENT No.	ANCHORS.	LETTER		ANCHORS.	
		WEIGHT, EX. STOCK.	TEST, PER CERTIFICATE.	WEIGHT REQUIRED.	TEST, PER CERTIFICATE.
51068	1st Bower	14 2	16 2	14 2	16 2
51070	2nd "	14 2	16 2	14 2	16 2
	3rd "				
	4th "				
	Collective weight.				
	Stream				
23430	Kedge	5 1	7 2	5 1	7 2

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

1st Bower 8. 1. 25 P.L. 2187. 3. 6. 18.
2nd " 8. 1. 0 P.L. 2206. 10. 6. 18.
3rd "
4th "

CHAIN CABLES.

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length and size supplied.	Test per Certificate.	HAWERS AND WARPS.	
			Supplied.	Per Rule.			Length and size supplied.	Test per Certificate.
52128	90 1/2	1 1/2	34	62.0.4	116.2.0	180	1 1/2	
52130	90 1/2	1 1/2	34	61.0.9				

Boats 1-16 feet, 1-15 feet by Messrs. Gordinier & Sons. Steering Gear, Steam. Diameter of Barrel 4 1/2". State whether they are in efficient working order Yes.

Pumps, Number Nine. What arrangements for deadlights in bad weather? None.

Windlass is Clarke Chapman & Co. Ltd. How are lids secured? Rayonet Secus. Height above deck? Flush.

Engine Room Skylights.—How constructed? Cast iron. How are lids secured? Rayonet Secus. Height above deck? Flush.

Coal Bunker Openings.—How constructed? Cast iron. How are lids secured? Rayonet Secus. Height above deck? Flush.

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c.

Ceiling in Holds, thickness and material 2 1/2" Spruce. Cargo Battens, thickness and material Not supplied.

Cargo Hatchways.—How formed? Reinforced concrete monolithic with deck beams. Hatches, If strong and efficient? Yes.

State size No. 1 Hatch (Forward) 35' 0" x 15' 6 1/2" No. 2 Hatch 35' 1/2" x 15' 4" No. 3 Hatch 35' 1" x 15' 4" No. 4 Hatch

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 4—Steel Web Plates and 3 Pitch Pine Forward and Afters.

Bulwarks, height above deck and description Two concrete 3' 6" high x 3 1/2" thick Main Rail, material and size Open rails x 2 inches amidships.

The foregoing is a correct description. Surveyor's Signature Jno. A. M. Gilman & Ridley Howell.

Builder's Signature (here only) James B. Nicol. Surveyor to Lloyd's Register of Shipping.

Concrete.—Materials used: Aggregate, Size and Particulars Granite chips 3/8" down, from Rubislaw & Kinney Quarries.

Portland Cement Brand Lighthouse Brand manufactured by the Associated Portland Cement Manufacturers (1905) Ltd.

Proportions—Cement 84 lbs.: 1.15 cub. ft. Granite screenings: 2.30 cub. ft. aggregate.

Test Results of Concrete actually used in Vessel—Average crushing at seven days 1958 lbs. per sq. inch. Size of Cubes 14" x 4" x 4"

Ditto twenty-eight days 3158 lbs. per sq. inch. Size of Cubes 14" x 4" x 4"

Percolation at four days on a slab size 9" x 9" x 2" Water penetration 1/2" to 3/4"

Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) N. 14. 1. 18

and subsequent letters.

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 Satisfactory.

Have all the gutterways been tested as required by the Rules for Steel Ships (Sec. 26, par. 20)? Yes State results of tests Satisfactory.

Workmanship.—This vessel has been built in accordance with the approved plans, the Secretary's letters of various dates, and generally in conformity with the requirements of the Society for the class contemplated. The workmanship and materials are of good quality.

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	10/6	9/11	0	Fees applied for, Adm.	16/57	1919
Special Survey Fee	1/2	22	18	Received by me,		
Travelling Expenses, if any	£	114	9	0		

State whether the Vessel has been built under Special Survey Yes

I am of opinion this Vessel should be Classed A.1. For English Channel Coastal service. Jno. A. M. Gilman & Ridley Howell.

With, or without Freeboard, as condition of Class Without Surveyor to Lloyd's Register of Shipping.

Committee's Minute Character assigned A.1. For English Channel and coastwise service.

Coasting U.K. (except West Coast, Cork to Deptford and Irish) and Continent (from Bristol to Hamburg).

Experimental Subject to Annual survey

16/57 1919

Lloyd's Register Foundation

GENERAL REMARKS—

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge 6.5 ft., Forecastle ☒
(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)

Official No. 143055 ; Signal Letters

State if Machinery is fitted aft ☒

If bottom of Vessel has been coated with any waterproofing material, paint, or other composition, give particulars ☒

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 C Tons.
Double bottom, aft,	<div></div>	<div></div>	Fore peak tank,	16	24
Double bottom, under Engines and Boilers,			After peak tank,	11.5	24
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,	Boiler Feed.	3'4" x 5'8"
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		3'8'0"

* 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. 1542

Date 19. 3. 18.

No. 1 in builder's yard.

P.D. 146.

DATES OF SURVEYS held while building

1918.
Feb. 22, 23. Apr. 24. May 7, 16, 27, 29, 30. June 7, 13, 14, 25, 26. July 4, 14, 18, 25, 30, 31. Aug. 8, 22, 23.
Sept. 4, 9, 10, 11, 18, 30. Oct. 1, 2, 3, 4, 8, 9, 15, 16, 17, 18, 22, 23, 24, 31. Nov. 1, 2, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 18, 19, 20, 21.
26, 27, 28, 29, 30. Dec. 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27.
22, 24, 28, 29, 30. Feb. 3, 4, 11, 13, 14, 20, 21, 25, 26, 27. Mar. 6, 11, 12, 13, 14, 18, 19.
1919 Jan. 10, 14

Total No. of Visits 11

Surveyor's Signature

Jno. A. W. Gibney

Lloyd's Register Foundation