

[illegible]

Lloyd's Register of Shipping

COAL FOR LONDON OFFICE

EQUIPMENT No. 43187										LETTER 7										PULLING OFFICE										✓
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 31.			Description of Anchor.				n tested and indent.											
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.																
78694	1st Bower ...	73	1	14	✓	✓	✓	55	10	0	0	72	2	0	Stockless.	Hingley.	Feb. 30, 11.7.	H. Green												
78643	2nd " ...	72	2	23	✓	✓	✓	55	5	0	0	72	2	0	"	"	"	"	"	"										
78677	3rd " ...	62	2	12	✓	✓	✓	49	17	2	0	62	0	0	"	"	"	"	"	"										
✓	4th " ...																													
	Collective weight.	208	2	21	✓	✓	✓					207	0	0																
75605	Stream	20	3	0	✓	✓	✓	21	8	0	14	20	2	0	Ordinary.	Hingley.	Feb. 13, 5.16.	H. Green												
75605	Kedge.....	9	1	5	✓	✓	✓	11	9	0	7	9	0	0	"	"	"	"	"	"										

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If Patent state Name of Patentee.

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CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and size per Table 31.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire Towing.	Length and size per Table 31.		If Patent state Name of Patentee.	n tested and indent.
	Length.	Diam.	Single.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.		
57939	150	2 3/8	10/10	142.2	423.0.5	844.1.0	300	26	Steel link.	Hingley.	Feb. 24.3.16. H. Green	POWLINE	130	5 1/2	71	130	5 1/2		
57958	150	"	"	"	424.1.16				"	"	" 11.5.16. "	HAWSERS & WARPS	2/100	8	"	2/100	8 M.		
					847.1.21								2/100	8	"	2/100	8 M.		
	120	5		59				120	5				2/90	3	"	✓	✓		
													4/90	2 3/4	"	✓	✓		

Boats Two 29 ft. lifeboats: One 22'6" 9'9". One 22'6" dinghy. Steering Gear, Steam *Hastie's*. Steering Gear, Hand *Relieving tackle*.
Pumps, Number *One manual pump & bilge for plan.* Diameter of Barrel *✓*. State whether *they are* in efficient working order *✓*.
Windlass is *Clark, Chapman & Co's*. Capstan *✓*.
Engine Room Skylights.—How constructed? *Steel.* What arrangements for deadlights in bad weather? *Steel flap & bull's eyes.*
Coal Bunker Openings.—How constructed? *Steel.* How are lids secured? *Cleats & battens.* Height above deck? *9" (Bridg. Dr.)*
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *8 scuppers and 4 freeing ports (30" x 15") each side.*
Ceiling in Holds, thickness and material *Tank top in main & 08" under hatches.* Cargo Battens, thickness and material *2" Pine (vert. kept in No. 4 hold.)*
Cargo Hatchways.—How formed? *Steel plate & angles.* Hatches, If strong and efficient? *Yes, solid.*
State size No. 1 Hatch = *27'-0" x 17'-6"* No. 3 Hatch = *24'-0" x 17'-6"* No. 4 Hatch = *15'-0" x "* No. 5 Hatch *29'-0" x 17'-6"* No. 6 Hatch *26'-0" x 17'-6"*
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *Five at No. 1, 2, 5 & 6, Hatches; Four at No. 3 Hatch.*
Two at No. 4 Hatch. No. of Breasthooks *Six.* No. of Crutches *Two + deep floors.*
Bulwarks, height above deck and description *4'-3" steel plate, (pt. partake in wells.)* Main Rail, material and size *6 1/4" x 3 1/4" x 150" patent B.A.*
The foregoing is a correct description. *FOR WILLIAM GRAY & CO. LIMITED.* Surveyor's Signature *Jas W Stuart.*
Builder's Signature (there only) *F.C. Toman* Surveyor to Lloyd's Register of Shipping

Correspondence.—State dates and initials of letters respecting this case. *1916 (M) 18.12. May; 1.7. July; 30. November. 1917 (M) 18. February; 21. June; 2. November. 1918 (M) 8.28. February. (E) 15. Jan. 1917; 2. Nov. 1917.*

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed & overlapped.*
Is the riveted work properly closed? *Yes.*
Are the liners between the frames and plates solid single pieces? *Yes.* Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *Yes.* Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? *Yes.*
Are the butts of Plating, Stringers, &c., properly shifted and *overlapped* and strapped? *Yes.* Do any rivets break into or through the seams or butts of the plating? *A few.*
Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? *Yes.* State results of tests *Satisfactory.*
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? *Yes.* State results of tests *Satisfactory.*

General Remarks (State quality of workmanship, &c.) *This vessel has been built in accordance with the approved plans: The Secretary's letters referred to above and in other respects in conformity with the Rules. The materials and workmanship are good. Cargo battens are fitted vertically between the frames except in the aftermost hold and tween decks where they are fitted longitudinally. No. 1, 2, 3, 4, 5, 7, 8, 9 & 10 double bottom tanks have been adapted for the carriage of Oil in accordance with the requirements of the Specification issued by the Ministry of Shipping, dated 31. July, 1917. The air and sounding pipes to these tanks have been tested under a head of water to the height of the uppermost deck and found satisfactory. It is not intended to carry oil fuel in the deep tank. Screw-down non-return valves, operated from the uppermost deck, have been fitted to the bilge suction pipes as approved. Close Ceiling is not laid in any of the holds. The W.T. Bulkheads; Shaft Tunnel and Coaling Doors have been hose tested, and the Ash shoot tested under water Pressure to the top of the bunker — all with satisfactory results.* *P.T.O.*

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 £ *5: 0: 0* Fees applied for, *20/2/1918*
Special Survey Fee £ *189: 9: 6* Received by me, *26/2/1918*
Travelling Expenses, if any £ *—*
State whether the Vessel has been built under Special Survey *Yes.* Certificate to be sent to *W. Hartlepool*, Date of issue *8.3.18.*
I am of opinion this Vessel should be Classed *+100A1* Carrying oil fuel above 150°F in pt. dble. bottom. Cargo battens not fitted in poop & forecabin.
With, or without Freeboard, as condition of Class *Without.* Surveyor to Lloyd's Register of Shipping *Jas W Stuart.*

Committee's Minute *FRI. MAR 8 1918*
Character assigned *100A1*
Carrying oil fuel &c. above 150°F in S.B.
Cargo battens not fitted in poop & forecabin
Lloyd's &c.

GENERAL REMARKS—(continued).

Electric lighting and wireless installations have been supplied and fitted up. Hull has been placed in Dry Dock and the Bottom & Rudder cleaned, examined and recoated. 15 plans: 1 forging and 3 casting reports, and copy of Certificate issued to the Master, re. Carriage of Oil in Double Bottom Tanks (Secretary's letter G, dated 24th October, 1917.) are forwarded herewith.

J.W.S.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 103.7 ft., R.Q.D. ☒ ft., Bridge 77.0 ft., Forecastle 93 (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given should appear in the Register Book) 2 Deck. (Steel.)
Official No. 140559; Signal Letters ☒ State if Machinery is fitted aft ☒ no.
How are the surfaces preserved from oxidation? Inside Paint + Cement. Outside Paint.

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors Cellular System

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	171	664	Fore peak tank,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, under Engines and Boilers (w.B. only.)	33	168	After peak tank,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, if under Engines only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, aft, (w.B. only.)	24	85
Double bottom, if under Boilers only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, forward,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, forward,	194.25	804	Other tanks, if fitted,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Total capacity of double bottom	1636		(If necessary, furnish further information by sketch.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

* 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. ☒ Yes.

Order for Special Survey No. 2215.	1916. May 15. 17. 25. June 8. 12. 14. 21. 27. 29. July 13. 19. 21. 24. 26. 28. 29. Sep. 14. 21. Oct. 11. 13. 17. 23. 27. 1.
Date 19 th June 1916.	15. 17. 22. Dec. 1. 5. 7. 13. 15. 19. 21. 29. 1917. Jan. 17. 24. 29. 31. Feb. 5. 8. 13. 22. Mar. 2. 29. Apr. 18. 24. June 6. 11.
No. 879 in builder's yard.	15. 28. July 2. 17. 27. Aug. 24. 25. 29. 31. Sep. 3. 4. 6. 7. 10. 11. 13. 15. 18. 19. Oct. 5. 11. 23. 26. 30.
	5. 7. 8. 9. 21. 28. 30. Dec. 3. 12. 27. 1918. Jan. 9. 17. 18. 24. Feb. 4. 5. 6. 11. 14. 15. 16. 18. 19. 20. 21. 22.
	Total No. of Visits 17 Dated

Surveyor's Signature

J.W.S.