~~With or~~ Without

Disconnected Erections.

STEEL STEAMER.

Received at London Office

State if Report is also sent on the Machinery of the Vessel

Date of completion of report 22nd August 1912 Port of Liverpool No. 68144

Survey held at Lytham Date, First Survey April 12th Last Survey Aug 22nd 1912

On the Red Screw tug "ULLSGARTH" Rig

TONNAGE under Tonnage Deck	44·79
Do. between Tonnage Dk. and 3rd and 4th Dk.	
Total under Upper Dk.	
Do. of Poop	
Do. of R.Q.Dk.	
Do. of Bridge House	
Do. of Forecastle	
Do. of Houses on Dk.	
Do. of excess of Hatchways	·49
Do. above Crown of Engine Room	
Gross Tonnage	45·28
Less Crew Space	
Less above Crown of Engine Room	
Tonnage for Fees	45·28
Less Engine Room	-
Less Navigation Spaces	-
Register Tonnage as cut on Beam	Nil

CLASS ☒ 100 A1 "For Towing Purposes"

	Feet
Breadth (greatest moulded)	15·5
Depth, at middle of length from top of keel to top of upper deck beams at side	8·0
Transverse Number	23·5
Length on deck from fore part of stem to after part of stern post	60·9
Longitudinal Number	1431
Depth "d," at middle of length (See Secs. 2 & 13)	7·25
Proportions—Depths to Length—Upper Deck Beam at side to top of keel	7·6
" " ~~Long Bridge Deck Beam at side to top of keel~~	-

Master J. G. Houghton.

Year of appointment (1) As Master in service of owner of present vessel:—191 (2) As Master of this vessel 191

Built at Lytham

When built 1912 Launched July 13th 1912.

By whom built Lytham Ship. & Eng. Co. Ld.

Owners Rea Transport Co. Ld.

Managers Wm. A. Rea, Manager. (Where necessary to be entered in Reg. Book.)

Residence Liverpool

Port belonging to Liverpool

Destined Voyage Towing ~~If~~ Surveyed while Building, Afloat, ~~or in Dry Dock~~

	Feet.	Inches.		Feet.	Inches.		Feet.	Inches.	
LENGTH on Deck as per Rule	60	10¾	BREADTH—Moulded	15	6	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams ~~Do. do. do. do. Second Dk. Beams~~	7	7	No. of Decks with flat laid: one; No. of Tiers of Beams: one

Dimensions of Ship per Register, Length 61·0 breadth 15·6 depth 7·5. ~~Moulded depth, ft. ins. To Bridge Dk.~~ Moulded depth, ft. 8 ins. 0 To Upper Dk. Round of Upper Dk. Beam, Actual 4 ins.

FRAMING.

	Inches in Ship.	Inches in Ship	Inches in Ship.	Inches per Rule Or as	Inches per Rule Approved.	Inches per Rule Approved.
FRAME, Angles, ~~or [or [Bars~~ amidships	2½	2½	5/20	2½	2½	5/20
Do. in peaks	"	"	"	"	"	"
~~Do. in way of Double Bottoms at Solid Floors~~	-	-	-	-	-	-
" " ~~at intermdt. Plts.~~	-	-	-	-	-	-
Spacing of Frames from centre to centre amidships	-	20	-	-	20	-
" " " " from ⅜ length to Collision bulkhead	-	"	-	-	"	-
" " " " in peaks	-	"	-	-	"	-
REVERSED FRAME, Angles	2¼	2¼	5/20	2¼	2¼	5/20
~~Do. in way of Double Bottoms at Solid Floors~~	-	-	-	-	-	-
" " ~~at intermdt. Plts.~~	-	-	-	-	-	-
~~FRAMING, depth of girder~~	-	-	-	-	-	-
FLOORS, depth and thickness of Floor Plate at mid-line for ¾ length amidships	9		5/16	9		5/16
" in way of Engine and Boiler Spaces			6/16			6/16
" thickness at the ends of vessel			5/16			5/16
" depth at ¾ the half breadth, as per Rule	as approved.					
" height extended at the Bilges						
~~FLOORS & BRACKETS in Cell Dble Bottoms~~	-	-	-	-	-	-
" " ~~state if flanged (top & bottom)~~	-	-	-	-	-	-
" " ~~Spacing~~	-	-	-	-	-	-
~~CENTRE GIRDER, in Dbl. bottom, depth & thickness~~	-	-	-	-	-	-
" " ~~Angles, Top~~	-	-	-	-	-	-
" " " ~~Bottom~~	-	-	-	-	-	-
" " " to Floors	-	-	-	-	-	-
~~SIDE GIRDERS, number on each side & thickness~~	-	-	-	-	-	-
" " ~~state if flanged (top and bottom)~~	-	-	-	-	-	-
" " ~~Angles (top and bottom)~~	-	-	-	-	-	-
" " " ~~to Floors~~	-	-	-	-	-	-
~~MARGIN PLATE, depth (exclusive of flange) and thickness~~	-	-	-	-	-	-
" " ~~Angles to Outside Plating~~	-	-	-	-	-	-
" " " ~~Floors~~	-	-	-	-	-	-
" " ~~Height of Brackets above at bilge~~	-	-	-	-	-	-
~~INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake~~	-	-	-	-	-	-
" " " ~~in Engine and Boiler space~~	-	-	-	-	-	-
" " " ~~Remainder in Holds~~	-	-	-	-	-	-
BEAMS, Upper Deck, Single Angle, ~~Bulb Angle, Plate, Tee Bulb, or Channel~~	4	2½	6/20	4	2½	6/20
" ~~Angles on upper edge~~	-	-	-	-	-	-
" ~~In way of Long Bridge~~	-	-	-	-	-	-
" Spacing	-	20	-	-	20	-
~~BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel~~	-	-	-	-	-	-
" ~~Angles on upper edge~~	-	-	-	-	-	-
" ~~Spacing~~	-	-	-	-	-	-
~~BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel~~	-	-	-	-	-	-
" ~~Angles on upper edge~~	-	-	-	-	-	-
" ~~Spacing~~	-	-	-	-	-	-
~~BEAMS, Roop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel~~	-	-	-	-	-	-
" ~~Angles on upper edge~~	-	-	-	-	-	-
" ~~Spacing~~	-	-	-	-	-	-
~~BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel~~	-	-	-	-	-	-
" ~~Angles on upper edge~~	-	-	-	-	-	-
" ~~Spacing~~	-	-	-	-	-	-
~~BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel~~	-	-	-	-	-	-
" ~~Angles on upper edge~~	-	-	-	-	-	-
" ~~Spacing~~	-	-	-	-	-	-

PILLARS.

	Inches. Size in Ship.	Inches. Spacing in Ship.	Inches per Rule. Or as	Inches per Rule. Approved.
PILLARS, ~~In tween Deck~~, size and spacing	-	-	-	-
" " Hold " "	2¼	-	2¼	-
" ~~Quarter 'tween Dks.~~, " "	-	-	-	-
" " ~~in Hold~~ " "	-	-	-	-

KEELSONS & STRINGERS.

	Inches in Ship.	Inches in Ship	Inches in Ship.	Inches per Rule Or as	Inches per Rule Approved.	Inches per Rule Approved.
CENTRE LINE KEELSON, ~~Vertical Plate above floors, Through Plate, or Intercostal Plate~~	-	-	-	-	-	-
" ~~Rider Plate~~	-	-	-	-	-	-
" ~~Flat Plate Keel Angles~~	-	-	-	-	-	-
" ~~Horizontal Plates on Floors~~	-	-	-	-	-	-
" ~~Angles or~~ Bulb Angles (Double)	6	3	9/20	5	3	10/20
SIDE KEELSONS, Number one	-	-	-	-	-	-
" Angles ~~or Bulb Angles~~ (Double)	3	3	6/20	3	3	6/20
" ~~Plate above floors, for length~~	-	-	-	-	-	-
" Intercostal Plate, for ~~or~~ practicable ~~length~~			5/16			5/16
" Attached to outside Plating with Angle	2½	2½	5/20	2½	2½	5/20
~~BILGE KEELSON, Angles~~	-	-	-	-	-	-
" ~~Intercostal Plate for length~~	-	-	-	-	-	-
" ~~Attached to outside Plating with Angle~~	-	-	-	-	-	-
SIDE STRINGERS, Number one	-	-	-	-	-	-
" " Angles (Double	3	3	5/20	3	3	5/20
" ~~Intercostal Plate, for length~~	-	-	-	-	-	-
" ~~Attached to outside plating with Angle~~	-	-	-	-	-	-
Upper Deck Stringer Plate, br'dth & thickness ~~(clear of Bridge)~~	30		5/20	30		5/20
" " " " ~~br'dth & thickness (in way of Bridge)~~	-		-	-		-
" " " Angle (clear of Bridge)	2½ × 2½ ×		5/20	2½ × 2½ ×		5/20
" " ~~Tie Plate at sides of Hatchways~~	-		-	-		-
" Deck.* ~~Iron or~~ Steel, for whole ~~Thickness~~			5/20			5/20
" " ~~Thickness (clear of Bridge)~~						
" " " ~~(in way of Bridge)~~	-	-	-	-	-	-
" ~~Wood Deck, Material & thickness~~	-	-	-	-	-	-
~~Second Deck Stringer Plate, br'dth & thickness~~	-	-	-	-	-	-
" ~~Angles on ditto, No.~~	-	-	-	-	-	-
" ~~Tie Plates outside Hatchways~~	-	-	-	-	-	-
" ~~Deck. Iron or Steel, for ing.~~	-	-	-	-	-	-
" ~~Wood Deck. Material & thickness~~	-	-	-	-	-	-
~~Third Deck Stringer Plate, br'dth & thickness~~	-	-	-	-	-	-
" ~~Angles on ditto, No.~~	-	-	-	-	-	-
" ~~Tie Plates, outside Hatchways~~	-	-	-	-	-	-
" ~~Deck. Material and thickness~~	-	-	-	-	-	-
~~Fourth and Fifth Deck Stringer Plate, breadth & thickness~~	-	-	-	-	-	-
" " " ~~Angles on ditto, No.~~	-	-	-	-	-	-
" " " ~~Tie Plates outside Hatchways~~	-	-	-	-	-	-
" " ~~Deck. Material & thickness~~	-	-	-	-	-	-
~~Roop Deck Stringer Plate, breadth & thickness~~	-	-	-	-	-	-
" ~~Angle on ditto~~	-	-	-	-	-	-
" ~~Tie Plates~~	-	-	-	-	-	-
" ~~Deck. Material and thickness~~	-	-	-	-	-	-
~~Bridge Deck Stringer Plate, br'dth & thickness~~	-	-	-	-	-	-
" ~~Angle on ditto~~	-	-	-	-	-	-
" ~~Tie Plates~~	-	-	-	-	-	-
" ~~Deck. Material and thickness~~	-	-	-	-	-	-
~~Forecastle Deck Stringer Plate, br'dth & thickness~~	-	-	-	-	-	-
" ~~Angle on ditto~~	-	-	-	-	-	-
" ~~Tie Plates~~	-	-	-	-	-	-
" ~~Deck. Material and thickness~~	-	-	-	-	-	-

* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

Form No. 1A.—1m.1.10.T.

WEB FRAMES.

	Inches in Ship.	Inches in Ship.	Inches per Rule. Or as Approved.	Inches per Rule. Or as Approved.
WEB-FRAMES, In Fore Body, No. and spacing				
,, ,, ,, brdth. & thickness				
,, No. of Side Stringers ,, ,,				
WEB-FRAMES, In E. & B. Space, No. & spacing				
,, ,, ,, brdth. & thickness				
WEB-FRAMES, In After Body, No. and spacing				
,, ,, ,, brdth. & thickness				
,, No. of Side Stringers ,, ,,				
,, Size of Face Angles to **Web-Frames**				
BRACKET PLATES to Stringers between Web Frames, depth and thickness				

FORGINGS ~~or CASTINGS~~.

	Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, Bar, depth and thickness	6×1⅞	6×1⅞
STEM, moulding and thickness	5½×1⅞	5½×1⅞
STERN-POST for Rudder do. do.	5¼×2¼	5¼×2¼
,, ,, for Propeller		
RUDDER—A×D* Table 22. Speed,		
,, **Main-Piece,** diameter at head	3	3
,, ,, ,, at heel	3½×2½	3½×2½

RUDDER, how constructed Singleplate: forgeframs

,, Thickness of ~~Plates or~~ Single Plate 10/20"

Can the Rudder be unshipped afloat? Yes

BULKHEADS.

	Number. Vessel.	Number. Per Rule.	Thickness.	Stiffeners. Horizontal. Size.	Horizontal. Spacing	Vertical. Size.	Vertical. Spacing	Single or Double Frames.	Height up.
W.T. BULKHEADS	4	4	5/20	2½×2½×5/16	48	2½×2½×5/16	24	PLANKS SINGLE	Main Dk.
								~~SIDE BOLTS~~ DOUBLE	
COLLISION ,,			5/20	3×2½×5/16	48	2½×2½×5/16	24	SINGLE	Main Dk.
~~**PARTITION**~~ ,,									
~~**LONGITUDINAL**~~ ,,									

Are the outside Plates doubled ~~two spaces of Frames in length~~? Yes

Are the Sluice Valves and Watertight Doors in efficient working order? None.

Manufacturer's name or trade mark of the ~~Iron or~~ Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.? Siemens Martin. Mild Steel Plates. Consett Iron Co. Angles Consett Iron Co.

Has the Steel been tested as required by the Rules? Yes.

PLATING. / RIVETING.

STRAKES.	As in Ship. Amidship. Breadth.	Amidship. Thickness.	Forward. Thickness.	Aft. Thickness.	Per Rule or as Approved. Amidship. Breadth.	Amidship. Thickness.	Edges. Ordinary or Joggled?	Single or Double.	Breadth of Lap.	Rivets. Diam.	Rivets. Spacing cr. to cr.	Butts. Double or Treble and for what Length.	Rivets. Diam.	Rivets. Spacing cr. to cr.	Straps. Breadth.	Straps. Thickness.	If Lapped. Breadth.	If Lapped. For what Length.
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Ordinary		Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	Inches.	Inches.	Feet.
BAR ~~FLAT PLATE~~ KEEL (If Bar Keel, state Riveting.)	1"	nearly 5"	apart															
GARBOARD OR A Strake	30	6/20	6/20	6/20	30	6/20	Single	2½	¾	3¼		Double	¾	2 5/8	9¾	7/20	-	-
State actual thickness in way of Double Bottom. B ,,	48	6/20	5/20	5/20	48	6/20	-/-	"	¾	3¼		-/-	¾	2 5/8	-	-	4½	whole
C ,,	40	7/20	7/20	7/20	40	7/20	-/-	"	¾	3¼		-/-	¾	2 5/8	-	-	4½	-/-
D ,,	42	5/20	5/20	5/20	42	5/20	Single	2½	4½	3¼		-/-	¾	2 5/8	-	-	4½	-/-
SHEERSTRAKE E ,,	36	7/20	7/20	7/20	36	7/20	Double	4½		3¼		-/-	¾	2 5/8	9¾	8/20	-	-
F ,,																		
G ,,																		
H ,,																		
J ,,																		
K ,,																		
L ,,																		
M ,,																		
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U ,,																		
V ,,																		
W ,,																		
~~THICKNESS OF SHEERSTRAKE CLEAR OF LONG BRIDGE~~																		
~~Do. OF STRAKE BELOW~~																		
~~Dbg. of Flat Plate Keel~~																		
,, ~~Sheerstrakes~~ ~~Length and thickness~~																		
~~ROOF SIDES~~																		
~~SHORT BRIDGE SIDES~~																		
~~FORECASTLE SIDES~~																		

Write "Bridge Sheer Strake" and "Upper Deck Sheerstrake" opposite the corresponding letter.

*Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

Upper Deck Stringer Plate — **Butts,** double riveted for whole length ~~amidship~~. **Straps,** single, ~~double or overlapped for~~ whole length amidship.

~~**Second Deck Stringer Plate**~~ — ~~**Butts,** riveted for ✓ length amidship.~~ ~~**Straps,** single or overlapped for ✓ length amidship.~~

Butts of Side Stringers Treble riveted.

,, ~~**Tie Plates**~~ ✓ riveted.

~~**Inner Bottom Plating,** riveting of Edges~~ ~~**Butts**~~

~~**Centre Girder Butts,** riveted~~ **Keelson Butts,** Treble riveted.

Frames, riveted through Plates with ¾ in. Rivets, about 5¼" apart.

Rivets, state whether Iron or Steel Steel

FRAMES extend in one length from Middle line to Topheight State if ordinary or joggled ordinary

REVERSED FRAMES on floors and frames extend ~~from~~ to upperdeck side stringer alternately double in Engine & Boiler Space State if ordinary or joggled ordinary

MASTS, SPARS, &c.

	Material.	Total Length.	Diameter and Thickness. At Partners.	Heel.	Hounds.	Head.	No. of Plates in round.	Angles. Number.	Angles. Size.	Riveting. Seams.	Riveting. Butts.
Lower Masts — Fore	Pitch Pine	17.0	-	5½"	-	-	-	-	-	-	-
~~Main~~											
~~Mizen~~											
~~Bowsprit~~											
~~Topmasts, Yards and Remainder of Spars~~											

Rigging, Material and Size, **Shrouds** G.S. Wire 1½" **Stays** G.S. Wire 1½"

~~**Sails,**~~ ✓ ~~Sails of~~ ✓ Sails, ~~and the following spare sails~~

Form No. 11.

EQUIPMENT No. ✓ LETTER ✓. ANCHORS. TONNAGE U. DK. OR PLATING No. FOR TRAWLERS 44-79.

Number of Certificate.	Anchors.	Weight, Ex. Stock. Cwts.	qrs.	lbs.	Weight of Stock. Cwts.	qrs.	lbs.	Test, per Certificate. Tons.	cwts.	qrs.	lbs.	Weight Required by Table 31. Cwts.	qrs.	lbs.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
12113	1st Bower	3	0	4	-	3	4	5	10	0	0	3	0	0	Ordinary	Jas. Homer & Co.	Chas. Heath 2/8/12 J.C. Paul
12114	2nd ,,	3	0	0	-	3	8	5	10	0	0	3	0	0	-"-	-"-	-"- -"- -"-
	~~3rd~~ ,,																
	~~4th~~ ,,																
	Collective weight	6	0	4								6	0	0			
12115	Stream	1	3	0	-	2	0	4	4	1	14	1	3	0	Ordinary	Jas. Homer & Co.	Chas. Heath 2/8/12 J.C. Paul
	~~Kedge~~																

If Patent state Name of Patentee. / If Stockless, state Mechanical Test.

CHAIN CABLES. / HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied. Length.	Diam.	Test per Certificate. Statutory.	Breaking.	Weight of Chain Cable. Supplied.	Per Rule.	Length and Size per Table 31. Length.	Diam.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
11404	Fathoms. 60	Ins. 13/16	Tons 10½	Tons 15¾	Cwts. qrs. lbs. 19.0.14	Cwts. qrs. lbs. 17-1-3	Fathoms. 60	Ins. 13/16	Stud Link	Jas. Homer & Co.	Chas. Heath 2/8/12 J.C. Paul
~~Iron Sheave~~ ~~Shackle or Stock Mass~~		Cir.						Cir.			

Material.	Length and Size supplied. Length.	Cir.	Breaking Test of Steel Wire Towline.	Length and Size per Table 31. Length.	Cir.
Manilla TOWLINE	Fathoms. 60	Ins. 3	Tons. -	Fathoms. 60	Ins. 3
HAWSERS & WARPS	60	2½	-	60	2½
,, ,,					
,, ,,					

Boats One dinghy **Steering Gear, Steam** Alley & McLellan Ltd **Steering Gear, Hand** Good

Pumps, Number ~~2~~ 1 bulls eacting hand pump in Eng. Rm. connected with Diam. of Barrel 4" State whether they are in efficient working order Yes.

Windlass is Sand. Good. **Capstan** ✓

Engine Room Skylights.—How constructed? Steel plating. 4/20 What arrangements for deadlights in bad weather? Thick glass bullseyes

Coal Bunker Openings.—How constructed? Angle coamings How are lids secured? Wood hatch covers Height above deck 2 tops of boiler casing

Number of **Scuppers,** and numbers and dimensions of **Freeing Ports, &c.** Five scuppers one freeing port (27"×12") each side

Ceiling in Holds, thickness and material Flooring **Cargo Battens,** thickness and material None

Cargo Hatchways.—How formed? None **Hatches,** If strong and efficient? ✓

State size **No. 1 Hatch** (Forward) ✓ **No. 2 Hatch** ✓ **No. 3 Hatch** ✓ **No. 4 Hatch** ✓

Number of **Web Plates, Shifting Beams** and **Fore** and **Afters** to each Hatch ✓ **No. of Breasthooks** Two **No. of Crutches** Deep floors

Bulwarks, height above deck and description 30". Steel plating 5/20 Main Rail, material and size Double copes iron 2"

The foregoing is a correct description.

Builder's Signature (here only) Hopkins *Surveyor's Signature* S. A. G. Nash.

Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this case (*Reference should be made in any correspondence connected with the case*) M. 30th Decr 1911.

Workmanship. Are the butts of plating planed or otherwise fitted? Otherwise

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 Do any rivets break into or through the seams or butts of the plating? No

Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes

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

General Remarks (State quality of workmanship, &c.)

This vessel has been built in accordance with the approved plans and otherwise in conformity with the Rules. The workmanship and materials are satisfactory.

The steel screw tug "Stanegarth" by the same builders is a sister vessel. See Liverpool Report No. 64587.

The Surveyor should state the Number of Report and Name of any Sister Vessel. "Stanegarth" Liv 64587.

The amount of Entry Fee ..... £ 1 : 0 : 0 Fees applied for, 23 AUG 1912

Special Survey Fee.... £ 7 : 0 : 0 Received by me, 30 8 19 12

Travelling Expenses, if any £ 3 : 13 : 10

State whether the Vessel has been built under Special Survey Yes

I am of opinion this Vessel should be Classed ☒ 100 A1 "For Towing Purposes"

~~With or~~ without Freeboard, as condition of Class

Certificate to be sent to Liverpool *Date of issue* 31.8.12

S. A. G. Nash.

Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute LIVERPOOL 23 AUG 1912 JK

Character assigned

✠ 100 A1

FOR TOWING PURPOSES

Lloyds A & CP.

The Surveyors are requested not to write on or below the Committee's Minute.

6083 2/2

GENERAL REMARKS—(*continued*).

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 (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (*this information is to be given as it should appear in the Register Book*) 1 Dk (Stl)

Official No. ✓; Signal Letters State if Machinery is fitted aft

How are the surfaces preserved from oxidation? Inside Portland cement & Paint Outside Paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors No 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,	✓	✓
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 No

Order for Special Survey No. 1078

Date 9/4/12.

No. 454 in builder's yard.

Dates of Surveys held while building: 1912 - Apr 12 May 16 Jun 11 Jul 4. 12. 30 Aug 6.

Total No. of Visits 7

Surveyor's Signature S. A. V. Nash