

1 or 2 Dks., R. O. Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

Received at London Office.

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

Date of completion of Report 4th June 1895.

Port of London

Date, First Survey 20th Dec 1894

Last Survey 31st May 1895

No. 56598 Survey held at London
On the *Serv. Ing. "Zuella"*

Rig

TONNAGE under
Tonnage Deck... 42.51
Do. of Poop
Do. of Raised Or
Dk. or Break...
Do. of Bridge House
Do. of Forecastle
Do. of Houses on Deck
Do. of excess of Hatchways
Do. above Crown of
Engine Room...
Gross Tonnage 42.51
Less Crew Space
Less above Crown of
Engine Room...
TONNAGE FOR FEES...
Less Engine Room
Less Navigation Spaces... 35.56

Register Tonnage
as cut on Beam... 6.95

ONE OR TWO DECKED VESSEL.

CLASS A.1 for Towing purposes

Master

Year of appointment (1) As master in service of owner of present vessel... 1895

Built at Canning Town, London

When built 1895 Launched 18 Mar 95

By whom built A. H. Robertson & Co.

Owners A. H. Robertson & Co.

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

Residence Canning Town, London

Port belonging to London

Destined Voyage

Surveyed while Building, Afloat, or in Dry Dock

LENGTH on Deck as per Rule.....	Feet. 63 0 Inches.	BREADTH— Moulded.....	Feet. 14 6 Inches.	DEPTH— Top of Floors to Main Deck Beams.	Feet. 7 1 Inches.	Power of Engines	Horse.	No. of Decks with Flat laid No. of Tiers of Beams	one one
Dimensions of Ship per Register, Length 63.45 breadth, 14.5 depth, 7.0 Moulded Depth, ft. 7 ins. 6 Round of Beam 4 inches.									
FRAMING.		Inches in Ship.				16ths or 20ths per Rule Or as Approved.		FORGINGS AND CASTINGS.	
FRAME, Angles, $\frac{1}{2}$ on $\frac{1}{2}$ Beam for $\frac{1}{2}$ length amidships		2 1/2	2 1/2	5/20	2 1/2	2 1/2	5/20	KEEL, Bar or Side Plates depth and thickness Flat plate	
Do. for $\frac{1}{2}$ at each end		2 1/2	2 1/2	5/20	2 1/2	2 1/2	5/20	STEM, moulding and thickness 4 1/2 x 1 1/2 4 1/2 x 1 1/2	
Do. in way of Double Bottoms at Solid Floors..								STERN-POST for Rudder do. do. 4 1/2 x 1 3/4 4 1/2 x 1 3/4	
" " " at intermdt. Dks.								" " for Propeller 4 1/2 x 1 3/4 4 1/2 x 1 3/4	
Distance of Frames from moulding edge to moulding edge, all fore and aft		18			18			MAIN PIECE of Rudder, diameter at head... 3	
REVERSED FRAME, Angles		2	2	5/20	2	2	5/20	do. at heel... 2	
DEEP FRAMING, depth of girder								RUDDER, how constructed Forged Scrap Iron	
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships		9		4/16	9		4/16	Can the Rudder be unshipped afloat? No	
" " in way of Engines and Boilers				6/16			6/16	KEELSONS AND STRINGERS.	
" " thickness at the ends of vessel				4/16			4/16	CENTRE LINE KEELSON, Vertical Plates above floor, Through Plate, or Intercoastal Plate	
" " height extended at the Bilges								" " Rider Plate	
FLOORS & BRACKETS, in Coll. Dble Bottoms								" " Ball Plate to Intercoastal Keelson	
" " Distance apart								" " Horizontal Plates on Floor	
CENTRE GIRDER, in Double Bottom depth and thickness								" " Angles double on floors, Iron 3 1/2 3 4/16 3 1/2 3 4/16	
" " Angles Top								SIDE KEELSON, Angles	
" " Bottom								" " Ball or Plate above floors for length	
SIDE GIRDERS, number and thickness								" " Intercoastal Plate for length	
" " Angles								" " Attached to outside plating with Angle	
MARGIN PLATE, depth (exclusive of flange) and thickness								BILGE KEELSON, Angles	
" " Angles								" " Ball or Plate above floors for length	
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake								" " Intercoastal Plate for length	
" " thickness in Engine and Boiler space								" " Attached to outside plating with Angle	
" " Remainder in Holds		3	2 1/2	5/20	3	2 1/2	5/20	BILGE STRINGER Angles	
BEAMS, Main and Raised Quarter Deck, Single Angle, Ball Angle, Plate or Tee Bulb		7	Steel					" " Ball Plate for length	
" " Angles on Upper Edge								" " Intercoastal Plate for length	
" " Average space		18			18			" " Attached to outside plating with Angle	
BEAMS, Lower Deck, Single Angle, Ball Angle, Plate or Tee Bulb								SIDE STRINGER Angles	
" " Angles on Upper Edge								" " Ball or Intercoastal Plate for length	
" " Average space								" " Attached to outside plating with Angle	
BEAMS, Hold, Plate or Tee Bulb								Main and Raised Quarter Deck Stringer Plate, breadth and thickness	
" " Angles on Upper Edge								" " Angle on ditto	
" " Average space								" " Tie Plates fore & aft, outside Hatchways	
BEAMS, Poop Deck, Angle, Ball Angle, Plate or Tee Bulb								" " Diagonal Tie Plates on Bulk, No. of Pairs	
" " Angles on Upper Edge								" " Main Dk* Iron or Steel for all the lng.	
" " Average space								" " P. Q. Dk* Iron or Steel for lng.	
BEAMS, Bridge Deck, Angle, Ball Angle, Plate or Tee Bulb								" " Wood Deck, Material & thickness	
" " Angles on Upper Edge								" " Lower Deck Stringer Plate, breadth and thickness	
" " Average space								" " Angles on ditto, No.	
BEAMS, Forecastle Deck, Angle, Ball Angle, Plate or Tee Bulb								" " Tie Plates outside Hatchways	
" " Angles on Upper Edge								" " Deck, Material and thickness	
" " Average space								" " Hold Stringer Plate	
PILLARS, In 'tween Decks, Size and Spacing								" " Angles on ditto, No.	
" " Hold		2			2			" " Poop Deck Stringer Plate, breadth & thickness	
" " Quarter, 'tween Dks., " "								" " Angle on ditto	
" " in Hold " "								" " Tie Plates	
WEB FRAMES, In Fore Body, No. and Spacing								" " Deck, Material and thickness	
" " Breadth & Thickness								" " Bridge Deck Stringer Plate, breadth & thickness	
" " No. of Side Stringers " "								" " Angle on ditto	
WEB FRAMES, In E. & P. Space, No. & Spacing								" " Tie Plates	
" " Breadth & Thickness								" " Deck, Material and thickness	
" " No. of Side Stringers " "								" " Forecastle Deck Stringer Plate, breadth & thickness	
" " Size of Angles or Tee Bars to Web Frames								" " Angle on ditto	
" " Bracket Plates to Stringers between Web Frames, Depth and Thickness								" " Tie Plates	
								" " Deck, Material and thickness	
								* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.	
								BULKHEADS.	
								Number.	
								In Vessel. Per Rule.	
								Thickness.	
								Horizontal. Vertical. Spacing	
								Single or Double Frames. Height up.	
								W.T. BULKHEADS 3 3 4/16 2 1/2 2 1/2 2 1/2 2 1/2 30 Double Bulk Head	
								PARTITION "	
								LONGITUDINAL "	
								Are the outside Plates doubled two spaces of Frames in length? Yes	

56598 Lon

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.		AFT.	AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		LAPING.		
	Breadth.	Thickness.	Thickness.	Thickness.		Breadth.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	Breadth.	Thickness.	Breadth.	For what Length.	
FLAT PLATE KEEL <i>3 1/2 in.</i>	<i>30</i>	<i>10/20</i>	<i>10/20</i>	<i>10/20</i>	<i>30</i>	<i>10/20</i>	<i>double</i>	<i>4 1/2</i>	<i>3/4</i>	<i>3</i>	<i>treble</i>	<i>3/4</i>	<i>2 3/4</i>	<i>15 1/2</i>	<i>11/20</i>				
(If Bar Keel, state Riveting)																			
GARBOARD OR A Strake ...	<i>39</i>	<i>4/16</i>	<i>4/16</i>	<i>4/16</i>	<i>39</i>	<i>4/16</i>	<i>single</i>	<i>2 1/4</i>	<i>5/8</i>	<i>2 1/2</i>	<i>double</i>	<i>5/8</i>	<i>2 1/4</i>	<i>8 3/4</i>	<i>5/16</i>				
B "	<i>38</i>	<i>4/16</i>	<i>4/16</i>	<i>4/16</i>	<i>38</i>	<i>4/16</i>	<i>"</i>	<i>2 1/4</i>	<i>5/8</i>	<i>2 1/2</i>	<i>"</i>	<i>5/8</i>	<i>2 1/4</i>	<i>8 3/4</i>	<i>5/16</i>				
C "	<i>38</i>	<i>4/16</i>	<i>4/16</i>	<i>4/16</i>	<i>38</i>	<i>4/16</i>	<i>"</i>	<i>2 1/4</i>	<i>5/8</i>	<i>2 1/2</i>	<i>"</i>	<i>5/8</i>	<i>2 1/4</i>	<i>8 3/4</i>	<i>5/16</i>				
State actual thickness in way of Double Bottom.																			
D or Sheer	<i>35</i>	<i>7/16</i>	<i>7/16</i>	<i>7/16</i>	<i>35</i>	<i>7/16</i>	<i>"</i>	<i>2 1/2</i>	<i>3/4</i>	<i>3</i>	<i>"</i>	<i>3/4</i>	<i>2 3/4</i>	<i>9</i>	<i>8/16</i>				
E "																			
F "																			
G "																			
H "																			
I "																			
J "																			
K "																			
L "																			
M "																			
N "																			
O "																			
P "																			
Double-ribs of Flat Plate Keel																			
Length and thickness of Bilges																			
of Sheerstrakes																			
of Strake below																			
POOP SIDES																			
RAISED QUARTER DECK SIDES																			
BRIDGE SIDES		<i>7/16</i>				<i>4/16</i>													
FORECASTLE SIDES																			
LENGTHS OF PLATING	<i>12 feet</i>																		

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, outside Plating, &c. *Iron from Consell C.*

Steel from Consell and the most steel and Iron C. - tested by S.D. trials

Main Stringer Plate { Butts, *treble* riveted for *length* amidship.
Straps, *single*, double or *overlapped* for *all* length amidship.

Butts of Bilge & Side Stringers, and Tie Plates, *treble* or *double* riveted?

Inner Bottom Plating, riveting of Edges Butts

Centre Girder Butts, riveted Keelson Butts, riveted.

Frames, riveted through Plates with *5/8* in. Rivets, about *8* apart.

Rivets, state whether of Iron or Steel *Iron*

FRAMES extend in one length from *stem* to *stern*.

REVERSED FRAMES on floors and frames extend from *stem to turn of Bilge & to stern* alternately.

MASTS, SPARS, &c.											
	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Stays.	Butts.
LOWER MASTS	Fore										
	Main										
	Mizen										
Bowsprit											
Topmasts, Yards and Remainder of Spars											
Rigging, Material and Size. Shrouds											
Sails.	Suit of										

EQUIPMENT No. LETTER TONNAGE FOR TRAWLERS U.Dk. ANCHORS.																
Number of Certificate.	Anchors.	WEIGHT, EX STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			WEIGHT REQ. BY RULE			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.			
<i>36077</i>	1st Bower	<i>2</i>	<i>2</i>	<i>16</i>	<i>2</i>	<i>12</i>	<i>5</i>	<i>5</i>	<i>0</i>	<i>0</i>	<i>2</i>	<i>2</i>	<i>0</i>	<i>Ordinary</i>		<i>Netherton 14.3.95</i>
	2nd "															<i>See Liverpool</i>
	3rd "															
	Collective weight	<i>2</i>	<i>2</i>	<i>16</i>							<i>2</i>	<i>2</i>	<i>0</i>			
<i>36078</i>	Stream															
	Kedge	<i>1</i>	<i>0</i>	<i>2</i>	<i>1</i>	<i>12</i>	<i>3</i>	<i>10</i>	<i>1</i>	<i>7</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>Ordinary</i>		<i>Netherton 14.3.95</i>
	2nd Kedge															

CHAIN CABLES.										HAWERS AND WARPS.									
Number of Certificate.	Fathoms.	Size.	Test per Certificate Tons.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per Rule.					
				Supplied.	Per Rule.														
<i>26599</i>	<i>60</i>	<i>5/8</i>	<i>7</i>	<i>12.3.8</i>		<i>60. 5/8 steel</i>		<i>Netherton 25.3.95</i>		TOWLINE	<i>50</i>	<i>5</i>		<i>5095</i>					
		<i>1 1/2</i>	<i>10 1/2</i>					<i>See Liverpool</i>		HAWSER									
										WARP	<i>50</i>	<i>3</i>		<i>5093</i>					
Iron Stream Chain or Steel Wire, ...																			

Boats *None*

Pumps, Number *as per approved plan of Pumping arrangements* Diameter of Barrel and Tail Pipe *3" & 2 1/2"*

Windlass is *Iron patent* Capstan

Engine Room Skylights.—How constructed? *Iron coverings, flat top*

What arrangements for deadlights in bad weather? *dead eyes*

Coal Bunker Openings.—How constructed? *Iron rings* How are lids secured? *by slot* Height above deck? *3"*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *four on each side*

Ceiling in Holds, thickness and material *✓* Ceiling 'tween Decks, thickness and material *✓*

Cargo Hatchways.—How formed? *stone* 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 *two*

Bulwarks, height above deck and description *two feet of Iron* Main Rail, material and size *Iron*

The above is a correct description. *✓*

Builder's Signature (here only) *W. M. Robert Smith* Surveyor's Signature *W. M. Robert Smith*

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

56598 Lon

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case)

M^r 3rd Dec 1914. M^r 9th Dec 1914. 25th Dec 1915

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

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*

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

This vessel has been built under special survey, and in accordance with the approved plans.

The material and workmanship of good quality, and the material tested as required by the rules, and she is eligible in my opinion to be Classed

+ A 1. "Iron & Steel" for Eng purposes.

The circular N^o 880 has been complied with.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. or Break ☒ ft., Bridge Dk. ☒ ft., F'castle ☒ ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (~~of~~ 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) *one deck of iron.*

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside *Cement & paint*

Outside *paint*

PARTICULARS 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 Capacity. Tons.
Double bottom, aft,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fore peak tank,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, forward,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	After peak tank,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, under Engines and Boilers,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Midship deep tank,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, if under Engines only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Other tanks, if fitted,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, if under Boilers only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	(If necessary, furnish further information by sketch.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

Order for Special Survey No.	DATES of Surveys held while building as per Section 18.	1st. On the several parts of the frame, when in place, and before the plating was wrought	<i>18</i>
Date		2nd. On the plating during the process of riveting	
Order for Ordinary Survey No.		3rd. When the beams were in and fastened and before the decks were laid	
Date		4th. When the ship was complete, and before the plating was finally coated or cemented ...	
No. in builder's yard		5th. After the ship was launched and equipped	

The amount of Entry Fee£ 1 : : :
Special£ 7 : : :
Certificate* £ : : :
Travelling Expenses, if any £ : : :

Fees applied for,

7. 6. 1895

Received by me,

10/6/95

10/6/95

* Certificate to be sent to

I am of opinion this Vessel should be Classed *+ A 1 for Eng purposes.*

With, or without Freeboard, as condition of Class

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

Committee's Minute

Character assigned

For towing purposes
Frames, Reverse frames & beams Steel
1 Dk (Iron)
L. a & B. P.
+ L. H. C. S. 95

Enquire

It is submitted that this Tug Laving been built in accordance with the approved plans and in other respects in compliance with the Rules is eligible to be Classed A 1 "For Towing purposes" as recommended.

** A 1 "Iron" For Towing purposes*
"Frames, Reverse Frames & Beams Steel"

1 Dk (Iron)

F.K.

Cann.

© 2019

Lloyd's Register

Foundation

LON 705-0324 1/2