

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

# IRON OR STEEL STEAMER.

State if Report is also sent on the Machinery of the Vessel, *yes*

Date of completion of Report *29 April 1901*  
Date, First Survey *Feb 6 1901*

No. *41616*

Received at London Office, *TUES. APR 30 1901*

Port of *Newcastle*  
Last Survey *April 23 1901*  
Rig *2 Mast Schooner*

Survey held at

On the  
Tonnage under  
Tonnage Deck... *212.05*

Do. of Poop *22.84*  
Do. of Raised Qr. *7.81*  
Do. of Bridge House  
Do. of Forecastle  
Do. of Houses on Deck  
Do. of excess of Hatchways  
Do. above Crown of  
Engine Room... *5.88*  
Gross Tonnage *256.68*  
Less Crew Space  
Less above Crown of  
Engine Room... *5.88*  
TONNAGE FOR FEES... *224.53*  
Less Engine Room  
Less Navigation Spaces... *105.02*

Register Tonnage  
as cut on Beam... *125.39*

ONE OR TWO DECKED VESSEL.  
CLASS  
*90A1.*

Half Breadth (moulded) *10.05*  
Depth from upper part of Keel to top of Main Deck Bms. *12.42*  
Girth of Half Midship Frame (as per Rule) *20.73*  
1st Number *43.20*  
Length on deck from after part of stem to fore part of stern post *123.16*  
2nd Number *5320.5*  
Proportions—Breadths to Length *6.12*  
Depths to Length—Main Deck to top of Keel... *9.9 10.61*  
Destined Voyage *Coasting*

Master

Year of appointment (1) As master in service of owner of present vessel:—19  
(2) As master of this vessel:—19

Built at *London*

When built *1856* Launched *✓*

By whom built *C. Dingley & Co.*

Owners *Blaydon & London Shipp Co.*

Managers

Residence

Port belonging to

*Blaydon on Tyne*  
*Newcastle*

If Surveyed while Building, Afloat, or in Dry Dock *yes*

LENGTH on Deck as per Rule... *123* Feet. *2* Inches.

BREADTH—Moulded... *20* Feet. *1* Inches.

DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams... *11* Feet. *11 1/2* Inches.

No. of Decks with Flat Mid *one*  
No. of Tiers of Beams *one*

## FRAMING.

Inches in Ship. 10ths or 16ths per Rule Or as Approved.

FRAME, Angles, *4 1/2* x *3*, for  $\frac{3}{4}$  length amidships  
Do. for  $\frac{1}{4}$  at each end  
Do. in way of Double Bottoms at Solid Floors...  
Spacing of Frames from centre to centre

REVERSED FRAME, Angles *20*  
DEEP FRAMING, depth of girder *2 1/2* *2 1/2* *5* *2 1/2* *2 1/2* *4*

FLOORS, depth and thickness of Floor Plate at mid-line for  $\frac{3}{4}$  length amidships...  
in way of Engines and Boilers...  
thickness at the ends of vessel...  
depth at  $\frac{3}{4}$  the half breadth, as per Rule...  
height extended at the Bilges

FLOORS & BRACKETS, in Cell Dble Bottoms  
state if flanged (top & bottom)

CENTRE GIRDER, in Double Bottom, depth and thickness  
Angles, Top...  
Bottom...

SIDE GIRDERS, number on each side & thickness  
state if flanged (top & bottom)

MARGIN PLATE, depth (exclusive of flange) and thickness  
Angles to Outside Plating  
Floors

INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake  
thickness in Engine and Boiler space  
Remainder in Holds.

BEAMS, Main and Raised Quarter Deck  
Single Angle, Bulb Angle, Plate or Tee Bulb  
Angles on Upper Edge  
Spacing

BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb  
Angles on Upper Edge  
Spacing

BEAMS, Hold, Plate or Tee Bulb  
Angles on Upper Edge  
Spacing

BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb  
Angles on Upper Edge  
Spacing

BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb  
Angles on Upper Edge  
Spacing

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb  
Angles on Upper Edge  
Spacing

STIFFENERS, in between Decks, Size and Spacing  
Hold  
Quarter, 'tween Dks.,  
in Hold

WEB FRAMES, in Fore Body, No. and Spacing  
No. of Side Stringers

WEB FRAMES, in E. & B. Space, No. & Spacing  
No. of Side Stringers

WEB FRAMES, in After Body, No. and Spacing  
No. of Side Stringers

Size of Angles or Tee Bars to Web Frames  
JACKET PLATES to Stringers between Web Frames, Depth and Thickness

## FORGINGS AND CASTINGS.

Inches in Ship. Inches per Rule Or as Approved.

KEEL, Bar or Side Plates depth and thickness *6 x 1 1/4*  
STEM, moulding and thickness... *6 x 1 1/4*  
STERN-POST for Rudder do. do. *8 x 3*  
for Propeller... *6 1/2 x 3 1/4*  
MAIN PIECE of Rudder, diameter at head... *3 3/8*  
do. at heel... *2 1/2*

RUDDER, how constructed *facing double plated*  
Can the Rudder be unshipped afloat? *yes*

## KEELSONS AND STRINGERS.

Inches in Ship. Inches per Rule Or as Approved.

CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate  
Bulb Plate...  
Bulb Plate to Intercoastal Keelson...  
Horizontal Plates on Floors...  
Angles...  
SIDE KEELSON, Angles...  
Bulb or Plate above floors for length  
Intercoastal Plate for length  
Attached to outside plating with Angle...  
BILGE KEELSON, Angles...  
Bulb or Plate above floors for length  
Intercoastal Plate for length  
Attached to outside plating with Angle...  
BILGE STRINGER Angles...  
Bulb Plate for length  
Intercoastal Plate for length  
Attached to outside plating with Angle...  
SIDE STRINGER Angles...  
Bulb or Intercoastal Plate for length  
Attached to outside plating with Angle

Main and Raised Quarter Deck Stringer Plate, breadth and thickness *19*  
Angle on ditto... *6*  
Tie Plates, outside Hatchways *3 x 3* *7* *3 x 3* *6*  
Diagonal Tie Plates on Deck, No. of Pairs  
Main Dk\* Iron or Steel for *Iron* *6* *Iron* *5*  
R. Q. Dk\* Iron or Steel for *Steel* *5* *Iron* *5*  
Wood Deck, Material & thickness

Lower Deck Stringer Plate, breadth and thickness  
Angles on ditto, No.  
Tie Plates, outside Hatchways  
Deck\* Material and thickness

Hold Stringer Plate  
Angles on ditto, No.

Poop Deck Stringer Plate, breadth & thickness  
Angle on ditto...  
Tie Plates  
Deck, Material and thickness

Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness  
Angle on ditto...  
Tie Plates  
Deck, Material and thickness

Forecastle Deck Stringer Plate, breadth & 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.

## BULKHEADS.

Number. Thickness.

In Vessel. Per Rule.

16ths or 16ths per Rule Or as Approved.

W.T. BULKHEADS *4* *4* *5 1/4*

PAINTED " *more*

LONGITUDINAL " *Rules 4 1/2*

## STIFFENERS.

Horizontal. Vertical.

Size. Spacing. Size. Spacing.

Inches. Inches. Inches. Inches.

3 x 3 x 1/2 30 Single upper

deck 21

Are the outside Plates doubled two spaces of Frames in length? *No*

Are the Sluice Valves and Watertight Doors in efficient working order? *yes*



**PLATING.**

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.			
	AMIDSHIP.		FORWARD.		AFT.		Ordinary or Joggled?		RIVETS.		STRAPS.		IF LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.
FLAT PLATE KEEL (If Bar Keel, state Riveting)	Bar Keel													
GARBOARD OR A STRAKE	8" As taken				30"	7"								
State actual thickness in way of Double Bottom.														
B	7" from first													
C	7" Entry repeat													
D	7" 6" 7"													
E	7" 7" 6"													
F	5" 7" 6"													
G	33 9" 9" 9"				30"	8"								
H														
J														
K														
L														
M														
N														
O														
P														
DOUBLING OF Flat Plate Keel														
Length and thickness of Bilges														
of Sheerstrakes.														
of Strake below														
POOP SIDES														
RAISED QUARTER DECK SIDES														
BRIDGE SIDES														
FORECASTLE SIDES														
LENGTHS OF PLATING	10 ft x 8 ft 4"													

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.?

Main Stringer Plate Butts, ~~double~~ riveted for ~~throughout~~ length amidship. Straps, single, double or overlapped for 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 5 1/2" apart.

Rivets, state whether of Iron or Steel ✓

Has the Steel been tested as required by the Rules

FRAMES extend in one length from middle line to upper deck

REVERSED FRAMES on floors and frames extend from middle line to upper turn of bilge bilge thinner alternately. Rules all over to H.T.B.

**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...	Wood			10 1/2"							
Fore				9"							
Main											
Mizen											
Bowsprit											
Topmasts, Yards and Remainder of Spars											
Rigging, Material and Size, Shrouds											
Sails	Suit of										

Equipment No. 5544 Letter d

**ANCHORS.**

Number of Certificate.	Anchors.	WEIGHT, EX STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 22.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.			
16449	1st Bower	9	2	0	2	2	0	11	2	2	0	5	2	0	Common	Low Walker 24.2.1899
16441	2nd "	7	1	0	1	3	0	9	9	1	14	5	3	0	"	"
	3rd "											11	2	0	"	"
	Collective weight															
214913	Stream	1	1	2	0	2	0	3	18	3	0	1	2	0	Redress	Low Walker 29/1/01
	Kedge	9	3	0	0	0	19					0	3	0	Common	M.S. Ref 2/01

**CHAIN CABLES.**

Number of Certificate.	Length and size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length & Size per Table 22.	Description.	Makers of Cables.	When and where tested and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire Towline.	Length and Size per Table 22.
	Length.	Diam.		Supplied.	Per Table 22.						Length.	Diam.		
8291	150	1 1/2"	18 27	89.0	4	64.1	16 5	1/4"	Low Walker	28.2.1899			75	6 1/2"
8502	15	1 1/2"	18 27				1/4"	Low Walker	28.2.1899					
	165													
Iron Stream Chain	45	3"	18											

**HAWSERS AND WARPS.**

Number of Certificate.	Length and size supplied.		Breaking Test of Steel Wire Towline.	Length and Size per Table 22.
	Length.	Diam.		

Boats 2 Lifeboats & 1 Rig

Pumps, Number one

Windlass is Immersion Walker & Thompson (Hand) Capstan none

Engine Room Skylights.—How constructed? Iron skylight

What arrangements for deadlights in bad weather? Bulls eyes.

Coal Bunker Openings.—How constructed? Coaming How are lids secured? Coars wedges Height above deck? 16"

Number of Scuppers, and number and dimensions of Freeing Ports, &c. ✓

Ceiling in Holds, thickness and material wood 2 1/2" Cargo Battens, thickness and material ✓

Cargo Hatchways.—How formed? Iron coamings 26" high

Hatches.—If strong and efficient? ✓

State size No. 1 Hatch (Forward) 17' 6" x 11' 0" No. 2 Hatch 20' 6" x 11' 0" No. 3 Hatch No. 4 Hatch

Number of Web Plates, ~~straps~~, and Fore and Afters to each Hatch No. 1, one web plate one F.A., No. 2 two webs + one F.A.

No. of Breasthooks No. of Crutches

Bulwarks, height above deck and description Steel 3 1/2" high, 5/8" thick Main Rail and Stays, material and size two half rounds

The above is a correct description.

Builder's Signature (here only) Surveyor's Signature Robert Haig & M. Suddon

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

**Correspondence.**—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case) M. 29-11-07

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

Is the riveted work properly closed? ✓

Are the liners between the frames and plates solid single pieces? ✓

Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? ✓

Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces? ✓

Do any rivets break into or through the seams or butts of the plating? ✓

Are the butts of Plating, Stringers, &c., properly slitted and strapped? ✓

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par 24)? ✓

State results of tests

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 26)? ✓

State results of tests

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

The scantlings of this vessel appear to be in good condition and our opinion merits the favourable consideration of the Committee for the class desired - 490 A1.

The plating has been drilled in all the strakes above water & the thickness noted as given in the report. The cement of bottom plating was removed in places splating found in good condition.

A sketch is enclosed showing new boiler casing as fitted.

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 35-0 ft., Bridge Dk. 7-0 ft., F'castle 10 1/2 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 (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) one deck iron, R.Q.D. steel

Official No. 9490 ; 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 ✓

Where fitted.	Length. Feet.	Water Capacity. Tons.	Where fitted.	Length. Feet.	Water Capacity. Tons.

Double bottom, aft.

Double bottom, under Engines and Boilers.

Double bottom, if under Engines only.

Double bottom, if under Boilers only.

Double bottom, forward.

Other tanks, if fitted, (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. 1901 Feb 6. Mch 15. 1901

Date

No. in builder's yard

DATE OF SURVEY held while building

The amount of Entry Fee £ 10 : 10 : Fees applied for, 29 APR 1901

Special £ 10 : 10 : Received by me, 25 5 1901

Travelling Expenses, if any £

State whether the Vessel has been built under Special Survey

I am of opinion this Vessel should be Classed

With, or without Freeboard, as condition of Class

Committee's Minute

Character assigned

TUES. AUG 13 1901

Raised to QUAI

load a rcp

note dks 2.

HULL CERTIFICATE WRITTEN 14/8/01

Robert Haig & M. Suddon

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

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NWC 875-0107 2/2