

1 or 2 Dks., R.Q.Dk., IRON OR STEEL STEAMER.

12931. ED. 9 MAY 1894
Received at London Office.

and Pt. Awng. Dk.

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

No. 12931 Survey held at Paisley Date of completion of Report 5 May 1894 Port of Glasgow
On the Iron Steamer Mourne Date, First Survey 19 Dec 93 Last Survey 30 April 1894
Rig Schooner Master J. Kidd

TONNAGE under
Tonnage Deck...

Do. of Poop 26.39
Do. of Raised Qr. 7.61
Dk. or Break... 12.21
Do. of Bridge House
of Forecastle Break
of Houses on Deck
of Hatchways
above Crown of
Engine Room...
Gross Tonnage 227.78
Less Crew Space 25.44
Less above Crown of
Engine Room...
Tonnage for Fees... 190.59
Less Engine Room 126.87
Less Navigation Spaces 6.60
Net Tonnage 69.64
Tonnage out on Beam...

ONE DECKED VESSEL.

CLASS 100A.1

FEET.

Half Breadth (moulded) 9.96
Depth from upper part of Keel to top of Main Deck Bms. 10.62
Girth of Half Midship Frame (as per Rule) 18.38
1st Number 38.96
Length 124
2nd Number 4831
Proportions—Breadths to Length 6.22
Depths to Length—Main Deck to top of Keel... 11.67
Destined Voyage Newry

Master

Year of appointment (1) As master in service of owner of present vessel:—1894
(2) As master of this vessel:—1894

Built at

When built 1893-1894 Launched 10 April 1894

By whom built Messrs J. Fullerton & Co.

Owners Newry & Mill Keel Sps Coy Ltd.

Managers

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

Residence Newry

Port belonging to Newry

If Surveyed while Building, Afloat, or in Dry Dock while building & afloat.

GTH on Deck per Rule 124 0 Breadth Moulded 19 11 Depth Top of Floors to Main Deck Beams 9 8 Power of Engines 45 HP Horse 45 No. of Decks with Flat laid one No. of Tiers of Beams one
Dimensions of Ship per Register, Length, 125 breadth, 20.1 depth, 9.5 Moulded Depth, ft. 10 ins. 13 Round of Beam 6 inches.

FRAMING.

	Inches in Ship.	Inches in Ship.	16ths in Ship.	Inches per Rule Or as Appro.	Inches per Rule Or as Appro.	16ths per Rule Or as Appro.
FRAME, Angles, L or C Bars, for 3 length amidships	3	2 1/2	6	3	2 1/2	5
Do. for 1/2 at each end	3	2 1/2	6	3	2 1/2	5
Do. in way of Double Bottoms at Solid Floors.						
" " at intermdt. Bkts.						
Space of Frames from moulding edge to moulding edge, all fore and aft	2 1/2	2 1/2	4	2 1/2	2 1/2	4
VERSED FRAME, Angles	2 1/2	2 1/2	4	2 1/2	2 1/2	4
DEEP FRAMING, depth of girder	1 1/2	5	11 1/2	5		
FLOORS, depth and thickness of Floor Plate		6		6		
" " mid-line for 3 length amidships		5		5		
" " in way of Engines and Boilers						
" " at the ends of vessel	6		5 3/4			
" " depth at 1/2 the half breadth, as per Rule	23		23			
" " height extended at the Bilges						
FLOORS & BRACKETS, in Cell Dble Bottoms						
" " Distance apart						
CENTRE GIRDER, in Double Bottom, depth and thickness						
" " Angles, Top						
" " Bottom						
SIDE GIRDERS, number and thickness						
" " Angles						
MARGIN PLATE, depth (exclusive of flange) and thickness						
" " Angles						
TER BOTTOM PLATING, breadth and thickness of Middle Line Strake						
" " thickness in Engine and Boiler space						
" " Remainder in Holds						
BAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	4	2 1/2	5	4	2 1/2	5
" " Angles on Upper Edge						
" " Average space	21		21			
BAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						
" " Angles on Upper Edge						
" " Average space						
BEAMS, Hold, Plate or Tee Bulb						
" " Angles on Upper Edge						
" " Average space						
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb						
" " Angles on Upper Edge						
" " Average space						
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	4	2 1/2	5	4	2 1/2	5
" " Angles on Upper Edge						
" " Average Space	42		42			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	5	3	7	5	3	7
" " Angles on Upper Edge						
" " Average space	42		42			
COLLARS, In 'tween Decks, Size and Spacing						
" " Hold	2 1/2	42	2 1/2	42		
" " Quarter, 'tween Dks.,						
" " in Hold						
WEB FRAMES, In Fore Body, No. and Spacing						
" " Brdth. & Thickness						
" " No. of Side Stringers	15		4			
WEB FRAMES, In E. & B. Space, No. and Spacing						
" " Brdth. & Thickness						
WEB FRAMES, In After Body, No. and Spacing						
" " Brdth. & Thickness						
" " No. of Side Stringers						
" " Size of Angles or Tee Bars to Web Frames	2 1/2	2 1/2	4	2 1/2	2 1/2	4
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness						

FORGINGS AND CASTINGS.

	Inches in Ship.	Inches per Rule Or as Appro.
KEEL, Bar on Side Plates depth and thickness	6 x 1 1/2	6 x 1 1/2
STEM, moulding and thickness	6 x 1 1/2	6 x 1 1/2
STERN-POST for Rudder do. do.	6 x 2 1/2	6 x 2 1/2
" " for Propeller	6 x 2 1/2	6 x 2 1/2
MAIN PIECE of Rudder, diameter at head...	3 1/2	3 1/2
" " do. at heel	2	2
RUDDER, how constructed	Forged frame, plated iron	
Can the Rudder be unshipped afloat?	Yes	

KEELSONS AND STRINGERS.

	Inches in Ship.	Inches in Ship.	16ths in Ship.	Inches per Rule Or as Appro.	Inches per Rule Or as Appro.	16ths per Rule Or as Appro.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	8 1/2	7	8 1/2	7		
" " Rider Plate	6 1/2	7	6 1/2	7		
" " Bulb Plate to Intercoastal Keelson						
" " Horizontal Plates on Floors						
" " Angles	3	3	6	3	3	6
SIDE KEELSON, Angles						
" " Bulb or Plate above floors for lng.						
" " Intercoastal Plate for half length	2 1/2	2 1/2	4	2 1/2	2 1/2	4
" " Attached to outside plating with Angle						
BILGE KEELSON, Angles	3	3	6	3	3	6
" " Bulb or Plate above floors for half len.	5		5	5		5
" " Intercoastal Plate for length						
" " Attached to outside plating with Angle						
BILGE STRINGER Angles	3	3	6	3	3	6
" " Bulb Plate for length						
" " Intercoastal Plate for length						
" " Attached to outside plating with Angle						
SIDE STRINGER Angles	3	3	6	3	3	6
" " Bulb or Plate above floors for whole lng.	12		12			12
" " Intercoastal Plate for 35 ft lng.	3	3	6	3	3	6
" " Attached to outside plating with Angle						

Main and Raised Quarter Deck Stringer Plate, breadth and thickness	42	6	42	6
" " Angle on ditto	3 x 3 x	6	3 x 3 x	6
" " Tie Plates fore & aft, outside Hatchways				
" " Diagonal Tie Plates on Bms., No. of Pairs				
" " Main Dk* Iron or Steel for whole lng.	16 in way of hatch	5		5
" " R. Q. Dk* Iron or Steel for whole lng.	16 " "	5		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 Deck Stringer Plate, brdth & thickness	12	5	12	5
" " Angle on ditto	3 x 2 1/2	5		
" " Tie Plates	7 in way of hatch	5		5
" " Deck, Material and thickness	4 P. 2 1/2		4 P. 2 1/2	
Forecastle Deck Stringer Plate, brdth & thickness	21	5		
" " Angle on ditto	3 x 2 1/2	5		
" " Tie Plates	14 in way of hatch	5		5
" " Deck, Material and thickness	4 P. 2 1/2			

	Number.	Thickness.	Horizontal.	Vertical.	Spacing.	Single or Double Frames.	Height up.
BULKHEADS.	In Vessel.	Per Rule.	16ths in Ship.	Inches.	Inches.	Inches.	
W.T. BULKHEADS	3	3	4	3 x 2 1/2 x 16	3 x 2 1/2 x 16	48.20	Double L. deck
PARTITION							
LONGITUDINAL							
Are the outside Plates doubled two spaces of Frames in length?							Yes

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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.		IF LAPPED.				
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.			Diam.	Spacing cr. to cr.	Diam.		Spacing cr. to cr.	Breadth.	Thick- ness.	Breadth.	For what Length.				
	Inches.	16ths.	16ths.	16ths.	Inches.	16ths.			Inches.	Inches.	Inches.		Inches.	Inches.	16ths.	Inches.	Feet.				
FLAT PLATE KEEL	Bar		Keel				ruled		1	5											
(If Bar Keel, state Riveting)																					
GARBOARD or A Strake	30	7	7	7	30	7	double	4 1/2	3/4	3	double	3/4	3	9 3/4	7						
B "	39	6	5	5	39	6	single	2 1/2	"	"	"	"	"	"	6						
C "	31	6	5	5	31	6	"	"	"	"	"	"	"	"	6						
D steel	39	7	6	6	39	7	"	"	"	"	"	"	"	"	8						
E "	38 1/2	6	5	5	38 1/2	6	"	"	"	"	"	"	"	"	6						
F "	43 1/2	6	5	5	43 1/2	6	double	4 1/2	3/4	3	"	"	"	"	6						
G "	33 1/2	8	6	6	30	8					"	"	"	"	9						
H "																					
J "																					
K "																					
L "																					
M "																					
N "																					
O "																					
P "																					
DOUBLING of Flat Plate Keel																					
Length and thickness of Bilges																					
of Sheerstrakes ..	11 feet	7/16	at Break of R. Q. D ^K																		
of Strake below																					
POOP SIDES																					
RAISED QUARTER DK. SIDES	41	7-6			41	7-6			3/4			3/4									
BRIDGE SIDES		5				5			"			"									
FORECASTLE SIDES		5				5			"			"									
LENGTHS OF PLATING	Seven Spaces				Six spaces																

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.?

Angles Dalmell
Plates Stockton malleable

Main Stringer Plate { Butts, ~~double~~ riveted for whole length amidship
Straps, single, double or overlapped for all length amidship
Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted ~~double and double~~
Inner Bottom Plating, riveting of Edges Butts
Centre Girder Butts, riveted. Keelson Butts, Treble riveted.
Frames, riveted through Plates with 3/4 in. Rivets, about 6" apart.
Rivets, state whether of Iron or Steel Iron

FRAMES extend in one length from Keel to gunwale
REVERSED FRAMES on floors and frames extend from centre line to turn of bilge in hold and up to hold stringer and deck alternately in way of R. & Q. Deck and Forecastle.

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	Fore	P. Pine poles									
	Main	"									
	Mizen	"									
Bowsprit											
Topmasts, Yards and Remainder of Spars											
Rigging, Material and Size, Shrouds	Steel wire	2 1/2"									
Sails.	one	Suit of									

EQUIPMENT No. 5184 LETTER C 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.	lbs.			
26093	1st Bower ..	5	0	0	1	1	0	7	7	2	0	5	0	0	Lothmans patent	J. Taylor & Son Sunderland	17/3/94 J. Hartness
26097	2nd ..	5	0	0	1	1	0	7	7	2	0	5	0	0	"	"	19/3/94 J. Hartness
	3rd ..																
	Collective weight	10	0	0								10	0	0			
26068	Stream	1	2	7	0	1	21	4	1	2	7	1	2	0	Common	"	14/3/94 J. Hartness
	Kedge	1	0	6	with stock							0	3	0	"		
	2nd Kedge ..	-	3	21	"												

CHAIN CABLES.

HAWSERS 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.									
10892	135	1 3/4	8 1/2	45.3.6	45.3.3	135	13 1/8	Steel line J. Taylor & Son Sunderland	25/3/94 J. Hartness	TOWLINE	75	6		75. 6"
										HAWSER	90	4		90 4"
										WARP				
Iron Chain or Steel Wire ...	45	2	8	with Certificate	45 2"		steel wire							

Boats Two life boats
Pumps, Number One in main hold, one in fore peak Diameter of Barrel and Tail Pipe 1 1/2" x 2 1/2" and 2 1/2" x 1 1/4"
Windlass is Two Reid & Sons Capstan
Engine Room Skylights.—How constructed? Teak skylight on top of engine casing bft above R.Q.D.
What arrangements for deadlights in bad weather? Teak frames & iron rods
Coal Bunker Openings.—How constructed? Cast iron scuttles How are lids secured? Bayonet fixing Height above deck? Flush
Number of Scuppers, and number and dimensions of Freeing Ports, &c. 4 scuppers each side. 2 freeing ports M.D. 30" x 15" one 18" x 12" R.Q.D. side
Ceiling in Holds, thickness and material 2" pitch pine Ceiling 'tween Decks, thickness and material 6" x 1 1/2" White pine
Cargo Hatchways.—How formed? plates & angles Hatches.—If strong and efficient? Yes. Solid 2 1/2"
State size No. 1 Hatch (Forward) 4 1/2 x 7 1/2 No. 2 Hatch 21 ft x 10 ft No. 3 Hatch 1 No. 4 Hatch 1
Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch 2 webs in No. 2. one fore. in No. 1 & 2
No. of Breasthooks Four x duffels No. of Crutches Two x duff floors
Bulwarks, height above deck and description Iron plates 4/16 4 ft Main Rail, material and size Ball angle 5 x 2 1/2 x 3/8
The above is a correct description.
Builder's Signature (here only) John Pullerton & Co Surveyor's Signature C. Edwards W. A. Cooper
Surveyor to Lloyd's Register of British and Foreign Shipping.

12931 GLS

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

20th Nov: 1893 (M) 5th March 1894 (E)

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?

a few

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

Yes

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

Workmanship and materials good throughout

This is an iron screw steamer, built in accordance with the approved midship section forwarded to London on the 28th April 94 the enclosed sketches and Secretary's letters of the above dates the fore peak tank was tested by water pressure and the after peak compartment filled with water and proved satisfactory. Stroke valve and deck pumps in good order.

The Surveyor should state the Number of Report and Name of any Sister Vessel. S. Killowen Report No. 12043 is a duplicate in dimensions but of Steel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 4 ft., R.Q.D. or Break 43 ft., Bridge Dk. 7 ft., F'castle 22½ 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 The raised quarter deck and short bridge combined

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 one tier of beams

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside Cement and paint Outside Paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	✓	✓	Fore peak tank,	22.6	42
Double bottom, forward,	✓	✓	After peak tank,	✓	✓
Double bottom, under Engines and Boilers,	✓	✓	Midship deep tank,	✓	✓
Double bottom, if under Engines only,	✓	✓	Other tanks, if fitted,	✓	✓
Double bottom, if under Boilers only,	✓	✓	(If necessary, furnish further information by sketch.)		

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

Order for Special Survey No. 2436	1st. On the several parts of the frame, when in place, and before the plating was wrought	1893 Dec 19 - 1894 Jan 9. 16. 29. Feb. 5. 12.
Date 22 nd Nov. 1893	2nd. On the plating during the process of riveting	21. 28. Mar 6. 16. 20. 21. 28. Apr 3. 4. 6. 9
Order for Ordinary Survey No. ✓	3rd. When the beams were in and fastened and before the decks were laid	11. 13. 14. 16. 18. 26. 27. 30
Date ✓	4th. When the ship was complete, and before the plating was finally coated or cemented	
No. 118 in builder's yard	5th. After the ship was launched and equipped	
DATES of Surveys held while building as per Section 18.		Total No. of Visits 25

The amount of Entry Fee £ 1 : " : " Fees applied for, 28/4 1894
Special £ 9 : 11 : " Received by me, 30/4 1894
Certificate £ " : " : " 100 A.
Travelling Expenses, if any £ " : " : "

* Certificate to be sent to

Glasgow

W. H. Cooper
Charles Edwards

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

Committee's Minute

Character assigned

FRI 11 MAY 1894

100 A1

1 DR (Iron)

This vessel appears to have been built in accordance with the Rules and the approved plans, and it is submitted she is eligible to be classed 100 A1 as recommended.

* 100 A1 (Iron)

1 DR (Iron) "Well Deck"

W.B. = F.P.T. 42.5

Care.

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GLS 169-0419 (212)