

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*

Received at London Office

Date of completion of Report *25th April 1902*

Port of *Glasgow*

Survey held at *Ayr & Glasgow*

Date, First Survey *10th October 1901*

Last Survey *19 April 1902*

On the

S.S. Kathleen

Rig *3 masted fore & aft Schooner*

TONNAGE under Tonnage Deck	535.63
Do. of Poop	
Do. of Raised Or. Dk. or Break..	106.20
Do. of Bridge House	22.42
Do. of Forecastle Side House	1.56
Do. of Houses on Deck	1.52
Do. of excess of Hatchways	29.09
Do. above Crown of Engine Room	41.48
Gross Tonnage	737.90
Less Crew Space	56.85
Less above Crown of Engine Room	41.48
TONNAGE FOR FEES	639.54
Less Engine Room	352.26
Less Navigation Spaces	12.78

Register Tonnage as cut on Beam

316.01

ONE OR TWO DECKED VESSEL.

CLASS *100 A.1*

FEET.

Half Breadth (moulded)	15.12
Depth from upper part of Keel to top of Main Deck Bms. (with the normal round up of beam)	14.89
Girth of Midship Frame (as per Rule)	26.96
1st Number	56.95
Length on deck from after part of stem to fore part of stern post	198.84
2nd Number	11323.9
Proportions—Breadths to Length	6.54
Depths to Length—Main Deck to top of Keel	13.34

Destined Voyage *Coasting*

If Surveyed while Building, Afloat, or in Dry Dock *while Building and afloat*

Master *James Thomas Payne*

Year of appointment *1902*

Built at *Ayr*

When built *1902* Launched *12th Mar 1902*

By whom built *Ailsa S. B. & Co Ltd*

Owners *John Milligen & Co Ltd*

Managers

(Where necessary to be entered in Reg. Book)

Residence *Belfast*

Port belonging to *Belfast*

LENGTH on Deck as per Rule	198	Feet.	10	Inches.	BREADTH—Moulded	30	Feet.	2 7/8	Inches.	DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams	13	Feet.	6 1/2	Inches.	No. of Decks with Flat laid	1 and R.Q.D.	No. of Tiers of Beams	7 and R.Q.D.
Dimensions of Ship per Register, Length, <i>200.0</i> breadth, <i>30.4</i> depth, <i>12.0</i> Moulded Depth, <i>14</i> ft. <i>3</i> ins. Round of Beam, Actual <i>4 1/2</i> ins.																		

FRAMING.					FORGINGS AND CASTINGS.				
	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.		Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.
FRAME, Angles, <i>7</i> or <i>8</i> Bars, for $\frac{1}{2}$ length amidships	3 1/2	3	6	3 1/2	KEEL, Bar or Side Plates—depth and thickness	4 1/2 x 2 1/8			4 1/2 x 2 1/8
Do. for $\frac{1}{2}$ at each end	3 1/2	3	5	3 1/2	STEM, moulding and thickness	4 x 2 1/8			4 x 2 1/8
Do. in way of Double Bottoms at Solid Floors	—	—	—	—	STERN-POST for Rudder do. do.	4 x 4 1/4			4 x 4 1/4
Distance of Frames from moulding edge to moulding edge, all fore and aft	22	—	—	22	for Propeller	4 x 4 1/4			4 x 4 1/4
REVERSED FRAME, Angles	3	2 1/2	5	3	MAIN PIECE of Rudder, diameter at head	4 3/4			4 3/4
DEEP FRAMING, depth of girder	3	2 1/2	6	3	do. at heel	3 5/8			3 1/2
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	16	—	4	16	RUDDER, how constructed <i>Forged frame and single plates</i>				
in way of Engines and Boilers	—	—	6	—	Can the Rudder be unshipped afloat? <i>Yes</i>				
thickness at the ends of vessel	—	—	6	—	KEELSONS AND STRINGERS.				
depth at $\frac{1}{2}$ the half breadth, as per Rule	—	—	—	—	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	12	—	10	12
height extended at the Bilges	—	—	—	—	Double Rider Plate	6 1/2	—	10	6 1/2
FLOORS & BRACKETS, in Cell Dble Bottoms	—	—	—	—	Bulb Plate to Intercoastal Keelson	—	—	—	—
CENTRE GIRDER, in Double Bottom, depth and thickness	17	—	8	17	Horizontal Plates on Floors	—	—	—	—
Angles, Top	3 1/2	3 1/2	7	3 1/2	Angles	4 1/2	3	7	4 1/2
Bottom	4 1/2	3	7	4 1/2	SIDE KEELSON, Angles	4 1/2	3	7	4 1/2
SIDE GIRDERS, number on each side & thickness	2	—	6	2	Bulb or Plate above floors for	—	—	—	—
Angles	3	2 1/2	7	3	Intercoastal Plate for <i>reqd</i> length	—	—	—	—
MARGIN PLATE, depth (exclusive of flange) and thickness	24	—	7	23	Attached to outside plating with Angle—flange of suitable breadth	—	—	—	—
Angles to Outside Plating	3 1/2	3 1/2	7	3 1/2	BILGE KEELSON, Angles	4 1/2	3	9	4 1/2
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	33	—	9	33	Bulb or Plate above floors for	—	—	—	—
thickness in Engine and Boiler space	—	—	—	—	Intercoastal Plate for	—	—	—	—
Remainder in Holds	—	—	7	—	Attached to outside plating with Angle	—	—	—	—
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3	7	5 1/2	BILGE STRINGER Angles	6	flange on front of plate	—	—
Angles on Upper Edge	—	—	—	—	Bulb Plate for	—	—	—	—
Average space	22	—	—	22	Intercoastal Plate for <i>full</i> length	15	—	7	15
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	—	—	—	—	Attached to outside plating with Angle	3	2 1/2	5	3
Angles on Upper Edge	—	—	—	—	SIDE STRINGER Angles	—	—	—	—
Average space	—	—	—	—	Bulb or Intercoastal Plate for	—	—	—	—
BEAMS, Hold, Plate or Tee Bulb	—	—	—	—	Attached to outside plating with Angle	—	—	—	—
Angles on Upper Edge	—	—	—	—	Main and Raised Quarter Deck Stringer Plate, breadth and thickness	10	—	10	9
Average space	—	—	—	—	Angle on ditto	3 1/2	3 1/2	7	3 1/2
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	—	—	—	—	Tie Plates fore & aft, outside Hatchways	—	—	—	—
Angles on Upper Edge	—	—	—	—	Diagonal Tie Plates on Bms., No. of Pairs	—	—	—	—
Average space	—	—	—	—	Main Dk* Iron or Steel for <i>full</i> lng.	—	10 5/6	—	10 5/6
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb	5 1/2	3	7	5 1/2	R. Q. Dk* Iron or Steel for <i>full</i> lng.	—	9 5/6	—	9 5/6
Angles on Upper Edge	—	—	—	—	Wood Deck, Material & thickness	—	—	—	—
Average Space	44	—	—	44	Lower Deck Stringer Plate, breadth and thickness	—	—	—	—
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	5	3	6	5	Angles on ditto, No.	—	—	—	—
Angles on Upper Edge	—	—	—	—	Tie Plates, outside Hatchways	—	—	—	—
Average space	22	—	—	22	Deck* Material and thickness	—	—	—	—
PILLARS, In 'tween Decks, Size and Spacing	2 1/4	—	44	2 1/4	Hold Stringer Plate	—	—	—	—
Hold	2 1/4	—	3 1/8	2 1/4	Angles on ditto, No.	—	—	—	—
Quarter, 'tween Dks.	—	—	—	—	Poop Deck Stringer Plate, breadth & thickness	—	—	—	—
in Hold	—	—	—	—	Angle on ditto	—	—	—	—
WEB FRAMES, In Fore Body, No. and Spacing	3 spaced as on app ^d profile	—	—	—	Tie Plates	—	—	—	—
Brdth. & Thickness	15	—	6	15	Deck, Material and thickness	—	—	—	—
No. of Side Stringers	2	—	7	2	Bridge Deck Stringer Plate, brdth & thickness	24	6	24	6
WEB FRAMES, In E. & B. Space, No. & Spacing	4 spaced as on app ^d profile	—	—	—	Angle on ditto	2 1/2	2 1/2	5	2 1/2
Brdth. & Thickness	15	—	6	15	Tie Plates	10	5	10	5
No. of Side Stringers	2	—	7	2	Deck, Material and thickness	2 1/2	3	2 1/2	3
WEB FRAMES, In After Body, No. and Spacing	4 spaced as on app ^d profile	—	—	—	Forecastle Deck Stringer Plate, brdth & thcknss	—	—	—	—
Brdth. & Thickness	15	—	6	15	Angle on ditto	2 1/2	2 1/2	5	2 1/2
No. of Side Stringers	2	—	7	2	Tie Plates	—	—	—	—
Size of Angles or Tee Bars to Web Frames	4 1/2	3 1/2	7	4 1/2	Deck, Material and thickness	—	—	—	—
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness	—	—	—	—					

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 or to cr.		Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what Length.		
	Inches.	20ths.	20ths.	20ths.	Inches.	20ths.		Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	20ths.	Inches.	Feet.		
Flat Plate Keel (If Bar Keel, state Riveting)																			
GARBOARD OR A Strake	3 3/4	9	8	8	33	9	Double	1	5		D. R.	3/4	2 7/8	9 3/4	9				
State actual thickness in way of Double Bottom.							Double	4 1/2	3/4	3/4	T. R. 1/2 L.	"	"			7 1/2	Whole		
B "		8	7	7		8	Double	"	"	"	"	"	"			"	"		
C "		8	7	7		8	Double	"	"	"	"	"	"			"	"		
D "		10	8	8		10	Double	5 1/4	7/8	3 3/4	"	7/8	3 3/8			9	"		
E "		10	8	8		10	Double	4 1/2	3/4	3 1/4	"	"	"			"	"		
F "		8	7	7		8	Single	2 1/2	"	"	"	3/4	2 7/8			7 1/2	"		
G "		8	7	7		8	Double	5 1/4	7/8	3 3/4	"	"	"			"	"		
Sheerstrake H	3 5/8	12	8	8	35	10					"	7/8	3 3/8	16 3/4	14				
J "																			
K "																			
L "																			
M "																			
N "																			
O "																			
P "																			
DOUBLING OF Flat Plate Keel																			
Length and thickness of Bilges																			
of Sheerstrakes	2 1/2	8																	
of Strake below																			
POOP SIDES																			
RAISED QUARTER DECK SIDES		18		6		466	Double	5 1/4	7/8	3 3/4	T. R. at fore end 7/8	16 3/4	14						
BRIDGE SIDES		13 lower strake 8 to 4 upper strake				864	Double	2 1/2	3/4	3 1/4	D. R. elsewhere	11 1/4	13						
FORECASTLE SIDES			5			5	Single	"	5/8	2 3/4	D. R.	5/8	8	5					
LENGTHS OF PLATING																			

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. *Siemens's Martin, Lanarkshire Steel Co. Ld.; Steel Co. of Scotland, Glasgow Steel Co.; Messrs. Steel Co.*

Has the Steel been tested as required by the Rules *yes*.

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

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

Inner Bottom Plating, riveting of Edges *Single*. Butts *Single*.

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

Frames, riveted through Plates with *3/4* in. Rivets, about *5/4* apart.

Rivets, state whether of Iron or Steel *Iron*.

FRAMES extend in one length from *Centre line to top height before foremast D.R.; in way of D.R. from margin plate to margin plate and thence to top height*

REVERSED FRAMES on floors and frames extend from *margin plate to margin plate in way of double bottom, and thence all to main and raised quarter deck stringer plates in way of hold or double bottom, before foremast hold as per Rule; Double in way of D.R. space.*

MASTS, SPARS, &c.										
	Material.	Total length.	DIAMETER AND THICKNESS.			No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.		Head.	Number.	Size.	Seams.
LOWER MASTS....										
Fore	P. Pine	40.6	16 1/2"							
Main	D.	42.0	"							
Mizen	D.	30.6	11.							
Bowsprit										
Topmasts, Yards and Remainder of Spars	P. Pine									
Rigging, Material and Size, Shrouds	Foremast 2 3/4", Mizzen D", Steel wire									
Stays	Fore 3 1/2", Main 2 @ 2 1/2", Mizzen 2 1/4"									
Sails.	one full	Suit of								

EQUIPMENT No. *12399*. LETTER *K*. TONNAGE FOR TRAWLERS *U.D.K.*

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.	lbs.			
46750	1st Bower ..	19	2	6	Steelless	20	8	1	21	19	0	0	Hartshorne's	S. Hartshorne & Co. Rochester, N.Y.	6.3.02 Green		
46699	2nd „ ..	17	3	0	Do	18	16	1	0				Do	Do	27.2.02 Do		
46698	3rd „ ..	17	0	10	Do	18	6	3	14				Do	Do	Do		
	Collective weight	54	1	16						54	1	0					
45670	Stream	5	1	17	1 2 1	7	16	1	0	5	1	0	Ordinary	Do	27.8.01, Dudley		
46782	Kedge	2	2	13	0 2 19	5	2	2	0	2	2	0	Do	Do	4.3.02 Green		
mechanical tests as per Rules.																	

Patent state Name of Patentee.
of State State Mechanical Tests.

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Fathoms.	Size.	Test per Certificate Tons.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Table 22.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per Table 22.					
				Supplied.	Per Table 22.														
33600	205	1 5/16	16.10.00	185.2.14	185.2.12	210-1 5/16	Steel	S. Hartshorne & Co. 4.3.02, Rochester, N.Y.		TOWLINE	90	3	18.	90-3					
										HAWSER	120	6	Manilla	90-6					
										WARP	120	5	"	90-5					
Iron Stream Chain or Steel Wire ...	60	3/4	22.00.00	Steel wire.	60-3/4			New Bowie & Co. Glasgow.											

Boats *2 in No. efficient*.

Pumps, Number *Five*. Diameter of Barrel *4 1/2"*. State whether they are in efficient working order *yes*.

Windlass is *efficient*. (Clarke Chapman's) Capstan *✓* Steam aft. (Reid's Paisley).

Engine Room Skylights.—How constructed? *Steel Cornings and solid teak lids fitted with strong glass bulls eyes.*

What arrangements for deadlights in bad weather? *none required.*

Coal Bunker Openings.—How constructed? *with Steel Cornings*. How are lids secured? *Hatches in usual way*. Height above deck? *36"*.

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *3 pairs Scuppers each side in well, 3 freeing ports in well, 2 8" x 1 1/2".*

Ceiling in Holds, thickness and material *2 1/2" D. Pine*. Ceiling 'tween Decks, thickness and material *— nil*.

Cargo Hatchways.—How formed? *by plates and angles in usual way*. Hatches.—If strong and efficient? *yes*.

State size No. 1 Hatch (Forward) *42.2 x 16.0 fore? No. 2 Hatch 33.0 x 14.0 aft. No. 3 Hatch — No. 4 Hatch —*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *4 full depth shifting web plates in No. 1 and 3 strong fore and afters*

3 full depth shifting web plates in No. 2 and 3 strong fore and afters. No. of Breasthooks *2* and *4* bbs. No. of Crutches deep floors aft.

Bulwarks, height above deck and description *50 inches, 5/16 plating*. Main Rail, material and size *bulw angle 6 x 3 x 7/16*

The above is a correct description.

Builder's Signature (here only.) *FOR AILSA SHIPBUILDING CO., LIMITED.* Surveyor's Signature *J. S. Dinnitt*

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

