

# 1 or 2 Decks. IRON OR STEEL STEAMER.

MON. 10 NOV. 1890

Received at London Office.

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

✓ 3054 Date of completion of Report Nov 8, 1890 Port of Belfast  
 No. 3809 Survey held at Belfast Date, First Survey May 12th Last Survey Oct 30th 1890  
 On the Steel S.S. "Susannah Kelly" Rig Schooner (3 Masts)  
 Master W. Watson  
 TONNAGE under Tonnage Deck... 227.66 ONE OR TWO DECKED VESSEL.  
 of Poop 28.08 CLASS 100A1  
 of Raised Qr. 1.48 FEET.  
 of Bridge House 1.89  
 of excess of Hatchways 17.96  
 of Forecastle 289.07  
 above Crown of Engine Room 28.4  
 ss Tonnage 17.96  
 Crew Space 242.71  
 above Crown of Engine Room 132.12  
 ss Navigation Spaces 4.55  
 Register Tonnage 106.04 as cut on Beam ...  
 Year of appointment (1) As master in service of owner of present vessel: 18 90  
 (2) As master of this vessel: 18 90  
 Built at Belfast  
 When built 1890 Launched Oct 18  
 By whom built MacIlwaine & MacColl  
 Owners John Kelly  
 Managers ✓  
 (Where necessary to be entered in Reg. Book.)  
 Residence Queens Quay, Bel.  
 Port belonging to Belfast  
 Destined Voyage Coasting If Surveyed while Building, Afloat, or in Dry Dock while building

LENGTH on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH—	Feet.	Inches.	Power of	Horse.	No. of Decks with Flat laid
per Rule	138	10 1/2	Moulded	21	6	Top of Floors to Main Deck Beams	11	4 1/2	Engines	48	one

Dimensions of Ship per Register, Length, 140.7 breadth, 21.6 depth, 11.25 Moulded Depth, ft. 12 ins. 2 1/2 Round of Beam 5 1/2 inches.

FORGINGS AND CASTINGS.				KEELSONS AND STRINGERS.			
AL, Bar or Side Plates depth and thickness	Inches in Ship.		Inches as Approved.	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	Inches in Ship.	Inches as Approved.	Inches as Approved.
M, moulding and thickness	4 x 1 5/8	4 x 1 5/8		Rider Plate	10	8	10
ERN-POST for Rudder do. do.	6 1/4 x 1 5/8	6 1/4 x 1 5/8		Bulb Plate to Intercoastal Keelson	6 1/2	8	6 1/2
for Propeller	7 x 3	7 x 3		Horizontal Plates on Floors			
IN PIECE of Rudder, diameter at head	3 3/4	3 3/4		Angles	3	3	6
do. at heel	2 1/4	2 1/4		SIDE KEELSON, Angles	3	3	6
RUDDER, how constructed	union style plate			Bulb or Plate above floors for lng			
Can the Rudder be unshipped afloat?	Yes			Intercoastal Plate for length			
				Attached to outside plating with Angle			
FRAMING.				BILGE KEELSON, Angles	3	3	6
AME, Angles, or L Pars, for 1/2 length amidships	3	3	6	Bulb or Plate above floors for len.			
Do. for 1/2 at each end	3	3	5	Intercoastal Plate for length			
Do. in way of Double Bottoms				Attached to outside plating with Angle			
Distance of Frames from moulding edge to moulding edge, all fore and aft	21		21	BILGE STRINGER Angles	3	3	6
VERSED FRAME, Angles	2 1/2	2 1/2	5	Bulb Plate for half length	6	6	6
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	15	6	15	Intercoastal Plate for length			
in way of Engines and Boilers		4	7	Attached to outside plating with Angle			
thickness at the ends of vessel		5	5	SIDE STRINGER Angles	3	3	6
depth at 1/2 the half breadth, as per Rule	11		11	Bulb or Intercoastal Plate for half lng			
height extended at the Bilges	24		24	Main and Raised Quarter Deck Stringer Plate, on ends of Beams, breadth & thickness	26	6 1/2	26
GIRDERS & BRACKETS, in Cell Dble Bottoms				Angle on ditto	3 x 3	6	3 x 3
Distance apart				Tie Plates fore & aft, outside Hatchways			
CENTRE GIRDER, in Double Bottom, depth and thickness				Diagonal Tie Plates on Bms., No. of Pairs			
Angles, Top				Flat of Deck* Material and thickness			
Bottom				Wood			
OE GIRDERS, number and thickness				How fastened to Beams			
Angles				Lower Deck Stringer Plate, on ends of Beams, breadth and thickness			
MARGIN PLATE, depth (exclusive of flange) and thickness				Angles on ditto, No.			
Angles				Tie Plates, outside Hatchways			
62 BOTTOM PLATING, breadth and thickness of Middle Line Strake				Flat of Deck* Material and thickness			
thickness in Engine and Boiler space				How fastened to Beams			
Remainder in Holds				HOLD STRINGER Plate, on ends of Beams			
Main and Raised Quarter Deck, Angle, Bulb Angle, Plate or Tee Bulb	3 1/2	3	6	Angles on ditto, No.			
Angles on Upper Edge				Poep Deck Stringer Plate, breadth & thickness			
Average space	21		21	Angle on ditto			
Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb				Tie Plates			
Angles on Upper Edge				Flat of Deck, Material and thickness			
Average space				Bridge Deck Stringer Plate, brdth & thickness			
HOLD, Plate or Tee Bulb				Angle on ditto	2 1/2 x 2 1/2	5	2 1/2 x 2 1/2
Angles on Upper Edge				Tie Plates	4	6	4
Average space				Flat of Deck, Material and thickness	Y.Pine 3 1/2	18	2 1/2
Upper Deck, Angle, Bulb Angle, Plate or Tee Bulb				Forecastle Deck Stringer Plate, brdth & thickness			
Angles on Upper Edge				Angle on ditto	2 1/2 x 2 1/2	5	2 1/2 x 2 1/2
Average space				Tie Plates	4	6	4
MS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	4	3	6	Flat of Deck, Material and thickness	Y.Pine 3	18	3
Angles on Upper Edge							
Average Space	42		42				
MS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	4 1/2	3	4 1/2				
Angles on Upper Edge							
Average space	42		42				
In 'tween Decks, Size and Spacing							
HOLD	2 1/2		2 1/2				
WEB FRAMES, In Fore Body, No. and Spacing	2	63 in way of F. H.					
No. of Side Stringers	31	3 1/6					
MS, In After Body, No. and Spacing	2	63 in way of M. H.					
No. of Side Stringers	31	3 1/6					
Angles on Tee Bars to Web Frames	3	3	6				
WEB PLATES to Stringers between Web Frames, Depth and Thickness							

PLATING.			
FLAT PLATE KEEL, breadth and thickness	Inches in Ship.		
d'bling or incr'd thcknss, & lngth appl.	Inches as Approved.		
PLATES in Garboard Strakes, brd'th & thickness	33	8 1/4	33
From Garboard to lower part of Bilges	7 1/6		7 1/6
Bilges, number of Strakes and thickness	1	6 5/8	1
Of doubling at Bilge, or increased thickness, and length applied			
from up. part of Bilge to lr. edge of Sh'rstrake	6 1/6	5 1/6	6 1/6
Sheerstrake, breadth and thickness	39	8 5/8	39
Of d'bling at Sh'stk. & lng. applied	18 ft in way of Break.		18 ft
Poop Sides	4 5/6		4 5/6
Raised Quarter Deck Sides	5		5
Bridge Sides	5		5
Forecastle Sides	15 9/16		15 9/16
Lengths of Plating			

Ceiling betwixt Decks, thickness and material. in hold do. do. 3in. Spruce. Number of Breasthooks Two. Crutches One deep floors.

Are the outside Plates doubled two spaces of Frames in length? Yes. The FRAMES extend in one length from middle line to main deck. Riveted through Plates with 3/8 in. Rivets, about 1/2 in. apart. The REVERSED ANGLE on floors and frames extend from middle line to main deck, side stringer alternately.

RIVETING OF EDGES AND BUTTS OF SHELL PLATING AND BUTTS OF STRINGER PLATES, TIE PLATES, KEELSONS, &c. Carboard, double riveted to Bar Keel. Edges of Carboards and to upper part of Bilge, worked clench, double riveted; with rivets 3/4 in. diameter, averaging 3 ins. from centre to centre. Butts from Bilge to turn of Bilge, worked carvel, treble or double riveted; treble for 1/2 length, with rivets 3/4 in. dia., averaging 2 1/2 ins. from cr. to cr. Butts of Strake at Bilge for 1/2 length, treble riveted with Butts 1/2 thicker than the plates they connect. Edges from Bilge to Sheerstrake, worked clench, double or single riveted; with rivets 3/4 in. diameter, averaging 3 ins. from centre to centre. Butts from Bilge to Sheerstrake, worked carvel, double or double riveted; with rivets 3/4 in. dia., averaging 2 1/2 ins. from cr. to cr. Edges of Sheerstrake, double riveted. Butts of Sheerstrake, double riveted for whole length. Butts of Main Stringer Plate, double riveted for whole length. Butts of Inner Bottom Plating riveted for 1/2 length. Butts of Centre Girder riveted. Breadth of edge laps of Shell Plating in double riveting 4 1/2. Breadth of edge laps of Shell Plating in single riveting 2 1/2. Butt Straps of Shell Plating breadth and thickness 9 3/4 x 8 x 3/8. Butts if Lapped, breadth of laps 9 1/2. Butt Straps of Keelsons, Stringer and Tie Plates, treble or double riveted? Double & treble rivetted.

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.? Mossend, Siemens-Martin. 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 facing surfaces? Yes. Do any rivets break into or through the seams or butts of the plating? Few.

MASTS, SPARS, &c. Lower Masts: Fore, Main, Mizzen. Material: Wood. Total Length: 68.5, 68.5, 46.8. Diameter and Thickness: 14, 11, 10, 8. No. of Plates in round: 5, 5, 4, 4. RIGGING, Material and Size, Shrouds: Iron wire 3/4 x 8 1/8. Stays: 2 1/2, 2 1/4 double, 1 1/2 double, 1 1/8. Sails: One. Suit of fore and aft. Sails, and the following spare sails.

EQUIPMENT No. 6736 LETTER e ANCHORS. Number of Certificate: 10488, 10489, 10487. 1st Bower, 2nd, 3rd, Collectiveweight, Stream, Kedg, 2nd Kedg. Weight, Ex. Stock, Weight of Stock, Test, Per Certificate, Weight Req. by Rule, Description of Anchor, Makers, Where and when tested and Superintendent.

CHAIN CABLES. HAWSERS AND WARPS. Number of Certificate: 5184, 5783. Fathoms, Size, Test per Certificate, Weight of Chain Cable, Fathoms & Size, Description, Makers of Cables, Where and when tested, and Superintendent, Material, Fathoms, Size, Fathoms & Size, Per Rule.

Boats: Two lifeboats. Pumps, Number, Diameter of Barrel and Tail Pipe 3in x 1 1/2 in. The Windlass is Clarke, Chapman's Patent. Capstan. Engine Room Skylights: How constructed? Plates & angles, casing 6.6" above R.O.D. What arrangements for deadlights in bad weather? Solid tops with bulls eyes. Coal Bunker Openings: How constructed? Cast iron. How are lids secured? With locking clips. Height above deck? Flush. Number of Scuppers, and number and dimensions of Freeing Ports, &c. 4 scupper on each side. 3 freeing ports on each side 2.0 x 1.10 and 2 on each side aft 1.6 x 1.5. Cargo Hatchways: How formed? With plates & angles, casing 3.3". Hatches, if strong and efficient? Yes. State size No. 1 Hatch (Forward) 19.3 x 12.0. No. 2 Hatch 15.9 x 12.0. No. 3 Hatch. No. 4 Hatch. Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch. One web plate & three fore and afters. To each Hatch. Bulwarks, height above deck and description 5.6 Forward 3.6 Aft 7.6. Main Rail, material and size Angle iron 4 x 3 1/2.

The above is a correct description. Builder's Signature, (here only) Macdonald & Macdonald. Surveyor's Signature, W.M. Davey, James Curpin. John H. Macdonald, Director. Surveyor to Lloyd's Register of British and Foreign Shipping.

Order for Special Survey No. 285. Date June 25. 1890. Order for Ordinary Survey No. 43. State dates and initials of letters respecting this case April 28th 1890. M. General Remarks (State quality of workmanship, &c.) This vessel has been built to the approved tracings of midships & longitudinal sections forwarded to the London office on 24th October with the Freeboard Report; the Secretary's letter of the above date & the Rules in all other respects have been complied with. The pumping arrangements have been carried out as approved for similar vessels & to the satisfaction of the undersigned. The material & workmanship throughout are very good.

PARTICULARS FOR RECORD in the REGISTER BOOK. Length of Poop 80.4 ft., R.Q.D. or Break 80.4 ft., Bridge Dk. 23 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. Has long R.Q.D. with short coming bridge. 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 complete steel uncovered deck. One tier of beams Official No. 96267; Signal Letters. PARTICULARS OF WATER BALLAST. Double bottom, aft, length and water capacity in tons. Double bottom, forward, length and water capacity in tons. Double bottom, under engines and boilers, length and water capacity in tons. If under Engines only, or Boilers only, state which and water capacity in tons. Double bottom, constructed on the cellular system, length and water capacity in tons. Fore tank, water capacity in tons. 30. After peak tank, water capacity in tons. Midship deep tank, length and water capacity in tons. Other tanks, if fitted, length and water capacity in tons. The above have been tested as required by the Rules. (If necessary, furnish further information by sketch.) How are the surfaces preserved from oxidation? Inside Portland Cement. Outside Paint.

FREEBOARD assigned by the Committee, as per Secretary's Letter, dated. In Summer ft. ins. In Winter ft. ins. For Winter in North Atlantic ft. ins. To top of Wood, Iron or Steel Upper Deck. Fresh Water above the centre of disc ins. State if marked on Vessel's sides in accordance with Notice No. 572.

The amount of Entry Fee £ 2 : 0 : is received by me, 2/12/90. Certificate to be sent to Belfast Office. Special £ 12 : 3 : Certificate £ : : Travelling Expenses, if any £ : : of opinion this Vessel should be Classed +100A1.

Committee's Minute TUES 18 NOV 1890. Character assigned 100A1 Steel. Large 18 inch Floor Beams. Keelsons Stringers Iron. Well Deck. F.P.D. (Lap for above particulars) Well Deck. Lloyd's Register of Shipping.