

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

STEEL STEAMER.

MON. 3 SEP 1894  
Received at London Office 1894

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

Date of completion of Report 31<sup>st</sup> Aug 1894  
Date First Survey 10<sup>th</sup> Aug 1894

Port of Glasgow  
Last Survey Aug 27<sup>th</sup> 1894  
Rig Schooner

Master J. Bannant

Year of appointment (1) As master in service of owner of present vessel: 1893  
(2) As master of this vessel: 1894

TONNAGE under Tonnage Deck... 230.59

ONE DECKED VESSEL.

CLASS 100 A. 1. steel

Do. of Poop 42.33

Do. of Raised Or. Dk. or Break. 36.56

Do. of Bridge House 17.80

Do. of Forecastle 4.57

Do. of Houses on Deck 1.94

Do. of excess of Hatchways 23.75

Do. above Crown of Engine Room 356.54

Gross Tonnage 25.58

Less Crew Space 23.75

Less above Crown of Engine Room 307.21

TONNAGE FOR FEES 221.29

Less Engine Room 6.30

Less Navigation Spaces 25.58

Register Tonnage 103.37

Half Breadth (moulded) 11.31

Depth from upper part of Keel to top of Main Deck Bms. 12.47

Girth of Half Midship Frame (as per Rule) 21.00

1st Number 44.78

Length 143.9

2nd Number 6443.8

Proportions—Breadths to Length 6.36

Depths to Length—Main Deck to top of Keel 11.50

Destined Voyage Coasting

Built at Ayr

When built 1894 Launched 25<sup>th</sup> July 1894

By whom built S. H. Knight & Co

Owners H. Yewhouse & Co

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

Residence Norwich

Port belonging to Great Yarmouth

If Surveyed while Building, Afloat, or in Dry Dock While building

LENGTH on Deck as per Rule 143 Feet. 10 3/4 Inches. BREADTH—Moulded 22 Feet. 7 1/2 Inches. DEPTH—Top of Floors to Main Deck Beams 11 Feet. 5 1/4 Inches. Power of Engines 69 Horse. No. of Decks with Flat laid one No. of Tiers of Beams one

Dimensions of Ship per Register, Length, 143.0 breadth, 22.8 depth, 9.9 Moulded Depth, ft. 12 ins. 0 Round of Beam 5 1/4 inches.

FRAMING.							FORGINGS AND CASTINGS.							Inches in Ship.		Inches per Rule Or as Approved.	
	Inches in Ship.	Inches in Ship.	10ths or 20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	10ths or 20ths per Rule											
FRAME, Angles, 7 1/2 or 8 Bars, for 1/3 length amidships	3	2 1/2	5	3	2 1/2	5	KEEL, Bar or Side Plates depth and thickness	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	
Do. for 1/3 at each end	3	2 1/2	5	3	2 1/2	5	STEM, moulding and thickness	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	
Do. in way of Double Bottoms at Solid Floors							STERN-POST for Rudder do. do.	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	
" " at intermdt. Bkts.							" for Propeller	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	
Distance of Frames from moulding edge to moulding edge, all fore and aft	21			21			MAIN PIECE of Rudder, diameter at head	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	
REVERSED FRAME, Angles	2 1/2	2 1/2	5	2 1/2	2 1/2	5	do. at heel	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	
DEEP FRAMING, depth of girder	12 1/2			12 1/2			RUDDER, how constructed	Forged frame									
FLOORS, depth and thickness of Floor Plate at mid-line for 1/3 length amidships	12 1/2			6	12 1/2	6	Can the Rudder be unshipped afloat?	Yes									
" in way of Engines and Boilers				7.8		7.8	KEELSONS AND STRINGERS.										
" thickness at the ends of vessel	6 1/4			5	6 1/4	5	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	10	8	10	8	10	8	10	8	10	
" depth at 1/3 the half breadth, as per Rule	25			25			Rider Plate	6 1/2	8	6 1/2	8	6 1/2	8	6 1/2	8	6 1/2	
" height extended at the Bilges							Bulb Plate to Intercoastal Keelson										
FLOORS & BRACKETS, in Cell Dble Bottoms							Horizontal Plates on Floors	3	3	6	3	3	6	3	3	6	
" Distance apart							Angles	3	3	6	3	3	6	3	3	6	
CENTRE GIRDER, in Double Bottom, depth and thickness							SIDE KEELSON, Angles										
" Angles, Top							" Bulb or Plate above floors for Eng.										
" Bottom							Intercoastal Plate for length	7	1/4		1/4	7	1/4		1/4	7	
SIDE GIRDERS, number and thickness							Attached to outside plating with Angle	3	3	6	3	3	6	3	3	6	
" Angles							BILGE KEELSON, Angles	3	3	6	3	3	6	3	3	6	
MARGIN PLATE, depth (exclusive of flange) and thickness							" Bulb or Plate above floors for Eng.	3 1/2	6	5 1/2	6	3 1/2	6	5 1/2	6	3 1/2	
" Angles							Intercoastal Plate for length										
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake							Attached to outside plating with Angle	6	3	8	6	3	8	6	3	8	
" thickness in Engine and Boiler space							BILGE STRINGER Angles										
" Remainder in Holds							" Bulb or Plate for length										
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	6	3	9	6	3	9	Intercoastal Plate for length										
" Angles on Upper Edge	4	3	6	4	3	6	Attached to outside plating with Angle										
" Average space	42	21		42	21		SIDE STRINGER Angles										
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							" Bulb or Intercoastal Plate for length										
" Angles on Upper Edge							Attached to outside plating with Angle										
" Average space							Main and Raised Quarter Deck Stringer Plate, breadth and thickness	34	6	34	6	34	6	34	6	34	
BEAMS, Hold, Plate or Tee Bulb							" Angle on ditto 3/4 x 7/16 on R.Q. Deck	34	6	34	6	34	6	34	6	34	
" Angles on Upper Edge							" Tie Plates fore & aft, outside Hatchways	7	6	7	6	7	6	7	6	7	
" Average space							" Diagonal Tie Plates on Bms, No. of Pairs										
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb							" Main Dk* Iron or Steel for length										
" Angles on Upper Edge							" R.Q. Dk* Iron or Steel for whole length										
" Average space							" Wood Deck, Material & thickness P. Pine	3 1/2	5 1/8	3 1/2	5 1/8	3 1/2	5 1/8	3 1/2	5 1/8	3 1/2	
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	4 1/2	3	6 1/8	4 1/2	3	6 1/8	Lower Deck Stringer Plate, breadth and thickness										
" Angles on Upper Edge							" Angles on ditto, No.										
" Average space	42			42			" Tie Plates, outside Hatchways										
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	4 1/2	3	7 1/8	4 1/2	3	7 1/8	" Deck* Material and thickness										
" Angles on Upper Edge							Hold Stringer Plate in way of R.Q. Dk	15	6	15	6	15	6	15	6	15	
" Average space	42			42			" Angles on ditto, No. (3) 1/2 x 2 1/2 x 1/2	4 x 3 x	7	4 x 3 x	7	4 x 3 x	7	4 x 3 x	7	4 x 3 x	
PILLARS, In 'tween Decks, Size and Spacing							Poop Deck Stringer Plate, breadth & thickness										
" Hold	2 1/2	42		2 1/2	42		" Angle on ditto										
" Quarter, 'tween Dks.,							" Tie Plates										
" in Hold							" Deck, Material and thickness										
WEB FRAMES, In Fore Body, No. and Spacing							Bridge Deck Stringer Plate, brdth & thickness	15	6 1/8	16	6 1/8	15	6 1/8	16	6 1/8	15	
" Brdth. & Thickness							" Angle on ditto 2 1/2 x 2 1/2 x 1/8 gutter bar	3 x 2 1/2	5	3 x 2 1/2 x	5	3 x 2 1/2 x	5	3 x 2 1/2 x	5	3 x 2 1/2 x	
" No. of Side Stringers							" Tie Plates	5 1/2	5	5 1/2	5	5 1/2	5	5 1/2	5	5 1/2	
WEB FRAMES, In E. & B. Space, No. & Spacing							" Deck, Material and thickness Yellow Pine	2 3/4	5	2 3/4	5	2 3/4	5	2 3/4	5	2 3/4	
" Brdth. & Thickness							Forecastle Deck Stringer Plate, brdth & thcknss	18	5 1/8	18	5 1/8	18	5 1/8	18	5 1/8	18	
WEB FRAMES, In After Body, No. and Spacing							" Angle on ditto	3 x 2 1/2 x	5	3 x 2 1/2 x	5	3 x 2 1/2 x	5	3 x 2 1/2 x	5	3 x 2 1/2 x	
" Brdth. & Thickness							" Tie Plates Window plate 5/16	10	5	10	5	10	5	10	5	10	
" No. of Side Stringers							" Deck, Material and thickness P. Pine	3		3		3		3		3	
" Size of Angles or Tee Bars to Web Frames							* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.										
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness							BULKHEADS.										
							Number.	Thickness.	STIFFENERS.	Single or Double Frames	Height up.						
							In Vessel.	Per Rule.	Horizontal.	Vertical.	Spacing.						
							16ths or 20ths.	Inches.	Inches.	Inches.							
							W.T. BULKHEADS	3	3	4 1/8	3 1/2 x 2 1/2 x 1/8	3 1/2 x 2 1/2 x 1/8	48.30 Double to deck				
							PARTITION										
							LONGITUDINAL										



## PLATING.

STRAKES.	AS IN SHIP.						PER RULE OR AS APPROVED.	
	AMIDSHIP.		FORWARD.		AFT.	AMIDSHIP.		
	Breadth.	Thickness.	Thickness.	Thickness.		Breadth.	Thickness.	
	Inches.	16ths or 20ths	16ths or 20ths	16ths or 20ths		Inches.	16ths or 20ths	
FLAT PLATE KEEL .....	<i>Bar Keel</i>							
(If Bar Keel, state Riveting)								
GARBOARD OR A Strake ...	31	8	8	8		31	8	
State actual thickness in way of Double Bottom.	B " " ...	48	6	5	5	48	6	
	C " " ...	40	7	6	6	40	7	
	D " " ...	48	8	6	6	48	8	
	E " " ...	45	7	6	6	45	7	
	F " " ...	48	6	5	5	48	6	
	G " " ...	32	9	7	7	32	7	
	H " " ...							
	J " " ...							
	K " " ...							
	L " " ...							
	M " " ...							
	N " " ...							
	O " " ...							
	P " " ...							
DOUBLING of Flat Plate Keel								
Length and thickness {	of Bilges .....							
	of Sheer strakes. ...	31	6	and	5 flat iron plating			
	of Strake below							
POOP SIDES .....								
RAISED QUARTER DECK SIDES		6-5					6-5	
BRIDGE SIDES .....		5					5	
FORECASTLE SIDES .....		5					5	
LENGTHS OF PLATING.....		<i>light spaces</i>					<i>six spaces</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. ? *Simons Martin*  
*James Sanathkin. Rev 79 Beams, - Idalside. Flons*  
*ick plots & steel, - Clybridge. BH<sup>2</sup> - Shekton iron*

## RIVETING.

EDGES.				BUTTS.							
Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.		
		Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	Breadth.	Thick-ness.	Breadth.	For what Length.	
	Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	Thick-ness.	Inches.	Feet.	
Double	4 1/2	1	5	Double	3/4	2 1/2	9 3/4	8			
"	"	"	"	"	5/8	2 1/4	8	8			
"	"	"	"	"	3/4	2 1/2	9 3/4	7			
"	"	"	"	"	"	"	"	9			
Single	2 1/2	"	"	Treble	"	"	14 1/4	8	where plates		
Double	4 1/2	"	"	Double	5/8	2 1/4	8	6	are overlapped		
Lower edge	"	"	"	"	3/4	2 1/2	9 3/4	10			
En. way of the break of Raised gusset deck of the butts treble riveted in Sherstroke stroke below and 9" OK. sixes.											

FRAMES extend in one length from Keel to gunwale  
 REVERSED FRAMES on floors and frames extend from centre line to upper turn of bilge and deck all  
in way of main deck, and to hold stringer and deck in way of R. Q<sup>d</sup> DECK

## MASTS. SPARS. &amp;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 <i>Steel wire</i> Stays <i>Steel wire</i>											
Sails.	<i>one</i>	Suit of <i>Canvas</i>	Sails and the following spare sails								

EQUIPMENT No. 6999.8 LETTER F TONNAGE FOR TRAWLERS U.Dk.  
ANCHORS.

[illegible]

## CHAIN CABLES.

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.									
14605	90 3/4	1" 1/2	12 1/2	47.1.20	165	1"	Stud	John Green	Tipton 30/6/94 E.R. Smith	TOWLINE	75	7 1/2		75 7 1/2
14606	75 2/4	1"	"	39.0.27	84-0-17		link	"	" " "	HAWSER	90	2 1/2	12 1/2	90 5 1/2
14607	45	1 1/8	12 1/2	11.0.13	10-3-19	45	1 1/8	"	" " "	WARP	90	2 1/2	12 1/2	
Iron Steam Chain or Steel Wire. ...			8 1/2								20	90	4" (manila)	

## 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.									
14605	90 3/4	1" 1/2	12 1/2	47.1.20	165	1"	Stud	John Green	Tipton 30/6/94 E.R. Smith	TOWLINE	75	7 1/2		75 7 1/2
14606	75 2/4	1"	"	39.0.27	84-0-17		link	"	" " "	HAWSER	90	2 1/2	12 1/2	90 5 1/2
14607	45	1 1/8	12 1/2	11.0.13	10-3-19	45	1 1/8	"	" " "	WARP	90	2 1/2	12 1/2	
Iron Steam Chain or Steel Wire. ...			8 1/2								20	90	4" (manila)	

Boats *Three boats*  
Pumps, Number *Three, two in hold one in peak* Diameter of Barrel and Tail Pipe *5" x 4" barrels 2 1/2" 2" tail pipes*  
Windlass is *Clarke Chapman (patent)* Capstan ☒  
Engine Room Skylights.—How constructed? *Iron trunk casings*  
What arrangements for deadlights in bad weather? *Bulls' eyes in sides*  
Coal Bunker Openings.—How constructed? *Iron framed* How are lids secured? *By battens* Height above deck? *36"*  
Number of Scuppers, and number and dimensions of Freeing Ports, &c. *Four wash ports 29x20 and four scuppers each side*  
Ceiling in Holds, thickness and material *2 in. P.P.* Ceiling 'tween Decks, thickness and material *2 in. P.P.*  
Cargo Hatchways.—How formed? *Plates and angles* Hatches.—If strong and efficient? *Solid 2 1/2"*  
State size No. 1 Hatch (Forward) *12.0x9.0x12* No. 2 Hatch *10.0x9.0x12* No. 3 Hatch \_\_\_\_\_ No. 4 Hatch \_\_\_\_\_  
Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *one shifting beam in fore hatchway*  
*one fore and after in both hatches* No. of Breasthooks *3 and sup'rs* No. of Crutches *two & sup'rs*  
Bulwarks, height above deck and description *Steel plates 4.8"* Main Rail, material and size *Bulk angle as per spec.*  
The above is a correct description.  
Builder's Signature (here only.) *S. McNichol & Co.* Surveyor's Signature *Charles Edwards*  
Surveyor to Lloyd's Register of British and Foreign Shipping.



131609fs

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

2<sup>nd</sup> April 1894 (M) 30<sup>th</sup> June 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

to plate, &c, conform well to each other? Yes

Do the holes for riveting plate to frames, butt straps, or plate

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 only

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 a steel screw steamer built in accordance with the  
approved midship section forwarded to London on the  
the enclosed sketches and Secretary's letters of the  
above dates. She has a topgallant fore-castle, Bridge  
House and short Raised quarter deck.

The vessel has one electric lighting installation. Report will be forwarded shortly

The waterway & pumps have been tested.

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 49 ft., Bridge Dk. 26.3 ft., F'castle 24.6 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 Bridge house is not joined to the Raised quarter deck  
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 (p.pine) 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. Feet.	Water Capacity. Tons.	Where fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	19-6	16-0
Double bottom, forward,	71-6	57-7	After peak tank,		
Double bottom, under Engines and Boilers,			Midship deep tank,		
Double bottom, if under Engines only,			Other tanks, if fitted, in bulk	71-6	57-7
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. 2444

Date 2<sup>nd</sup> April 1894

Order for Ordinary Survey No.

Date

No. 44 in builder's yard

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
- 2nd. On the plating during the process of riveting
- 3rd. When the beams were in and fastened and before the decks were laid
- 4th. When the ship was complete, and before the plating was finally coated or cemented
- 5th. After the ship was launched and equipped

April 10, 19, 24, 30  
May 2, 9, 14, 17, 23, 29  
June 1, 4, 6, 13, 19, 20, 25, 29  
July 4, 10, 19, 21, 30  
Aug 1, 9, 13, 15, 20, 23, 24, 27, Total No. of Visits 31

The amount of Entry Fee .....£ 2 : 4 : 0

Special.....£ 15 : 4 : 0

Certificate\* £ 5 : 2 : 2

Travelling Expenses, if any £ 5 : 2 : 2

Fees applied for, 29/8 1894

Received by me, 31/8 1894

\* Certificate to be sent to Glasgow

I am of opinion this Vessel should be Classed

With, or without Freeboard, as condition of Class

100A.1. Steel

Charles Edwards

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

Committee's Minute

Character assigned

Deferred (See minute)  
White Hull  
4/9/94

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 100A1 (Steel) as recommended.

FRIDAY 7 SEP 1894

100A1 Steel

15k

The Surveyors are requested not to write on or below the Committee's Minute.