

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

IRON OR STEEL STEAMER.

WED. 8 JUN 1904 No. 12390

State if Report is also sent on the Machinery of the Vessel *yes*
Date of completion of Report *14 June 1904*
Date, First Survey *16th January 1904*

Received at London Office
Port of *WEST HARTLEPOOL*
Last Survey *1st June 1904*
Rig *Schooner*

Survey held at *West Hartlepool*
On the *Steel Screw Steamer "UPPLAND."*

TONNAGE under 2264.00
Tonnage Deck...
Do. of Poop
Do. of Raised Qr.
Dk. or Break...
Do. of Bridge House
Do. of Forecastle 30.67
Do. of Houses on Deck 69.89
Do. of excess of Hatchways 34.73
Do. above Crown of
Engine Room...
Gross Tonnage 2309.29
Less Crew Space 53.70
Less above Crown of
Engine Room...
TONNAGE FOR FEES... 2345.59
Do. of Engine Room 467.77
Do. of Navigation Spaces 27.58

ONE OR TWO DECKED VESSEL. WITH DEEP B.A. FRAMING
CLASS *100 A1.*

Master *J. Ingvarsson*
Year of appointment (1) As master in service of owner of present vessel: 1902
(2) As master of this vessel: 1904

Half Breadth (moulded) 22.42
Depth from upper part of Keel to top of Main Deck Bms. 23.33
(with the normal round up of beam)
Girth of Half Midship Frame (as per Rule) 41.60
1st Number 84.35
Length on deck from after part of stem to fore part of stern post 303.27
2nd Number 26490
Proportions—Breadth to Length 6.46
Depths to Length—Main Deck to top of Keel 12.99

Built at *West Hartlepool*
When built *1904* Launched *2nd May*
By whom built *W. Gray & Co. Ltd.*
Owners *Rederiaktiebolaget Uppland.*
Managers *J. Ingvarsson*
(Where necessary to be entered in Reg. Book).
Residence *Helsingborg.*
Port belonging to *Helsingborg.*

Destined Voyage *Archangel.*

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

Register Tonnage 1549.94
Length on Deck as per Rule 303 3/4
BREADTH—Feet. 44 Inches. 10 1/2
DEPTH, ACTUAL—Feet. 20 Inches. 0
No. of Decks with Flat laid *one*
No. of Tiers of Beams *1 + deep B.A. framing*
Dimensions of Ship per Register, Length, 305.0 breadth, 45.2 depth, 20.0 Moulded Depth, 22 ft. 4 1/2 ins. Round of Beam, Actual 11 1/2 ins.

FRAMING.		Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
NAME, Angle, L.E. or L. Bars, for 1/2 length amidships in way of 2 1/2 ft. Hatchways	9	3 1/2	11	9	3 1/2	11	
Do. for 1/2 at each end	9	3 1/2	10	9	3 1/2	10	
Do. in way of Double Bottoms at Solid Floors.	3 1/2	3 1/2	8	3 1/2	3 1/2	8	
Do. for 1/2 at each end, and at intermediate Plates	3 1/2	3 1/2	7	3 1/2	3 1/2	7	
acing of Frames from centre to centre		24			24		
EVERSED FRAME, Angles							
KEEP FRAMING, depth of girder							
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships							
in way of Engines and Boilers							
thickness at the ends of vessel							
depth at 1/2 the half breadth, as per Rule							
height extended at the Bilges							
FLOORS & BRACKETS in Cell Dble Bottoms	40		7	40		7	
state if flanged (top & bottom)		No					
Spacing		24			24		
NTRE GIRDER, in Double Bottom, depth and thickness	40		12	40		12	
Angles, Top	4	4	9	4	4	9	
Bottom	6 1/2	4	9	6 1/2	4	9	
DE GIRDERS, number on each side & thickness state if flanged (top & bottom)	On		7	On		7	
Angles	3 1/2	3 1/2	7	3 1/2	3 1/2	7	
RGIN PLATE, depth (exclusive of flange) and thickness	30		9	30		9	
Angles to Outside Plating	3 1/2	3 1/2	8	3 1/2	3 1/2	8	
Floors	3 1/2	3 1/2	7	3 1/2	3 1/2	7	
Height of Floors at the Bilges	62 1/2			62 1/2			
VER BOTTOM PLATING, breadth and thickness of Middle Line Strake	36	Iron	9/16	36		9/16	
thickness in Engine and Boiler space	2 1/2	Iron	3/4	9		11	
Remainder in Holds	Iron	5/16		5/16			
AMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	9 1/2	3 1/2	11	8 1/2	3 1/2	11	
Angles on Upper Edge of Bridge Space	9	3 1/2	12	9	3 1/2	12	
Spacing		24			24		
AMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							
Angles on Upper Edge							
Spacing							
AMS, Hold, Plate or Tee Bulb							
Angles on Upper Edge							
Spacing							
AMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3	8	5 1/2	3	8	
Angles on Upper Edge							
Spacing		24			24		
AMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb	6 1/2	3	9	6 1/2	3	9	
Angles on Upper Edge							
Spacing		24			24		
AMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	9		9	9		9	
Angles on Upper Edge	3 1/2	3 1/2	7	3 1/2	3 1/2	7	
Spacing		48			48		
LARS, In 'tween Decks, Size and Spacing	25 1/2	48		25 1/2	48		
Hold	4 1/2	48		4 1/2	48		
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							
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							
BRACKET PLATES to Stringers between							
Web Frames, Depth and Thickness							

FORGINGS AND CASTINGS.		Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
KEEL, Bar or Side Plates depth and thickness	32nd plate Rule						
STEM, moulding and thickness	10 x 2 1/2				10 x 2 1/2		
STERN-POST for Rudder do. do.	10 x 6				10 x 6		
for Propeller	8				8		
MAIN PIECE of Rudder, diameter at head do. at heel	6 1/2 x 4				6 1/2 x 4		
RUDDER, how constructed	Forged iron frame, plated						
Can the Rudder be unshipped afloat?	Yes						
KEELSONS AND STRINGERS.		Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate							
Rider Plate							
Bulb Plate to Intercoastal Keelson							
Horizontal Plates on Floors							
Angles							
SIDE KEELSON, Angles							
Bulb or Plate above floors for lng.							
Intercoastal Plate for length							
Attached to outside plating with Angle							
BILGE KEELSON, Angles							
Bulb or Plate above floors for lng.							
Intercoastal Plate for length							
Attached to outside plating with Angle							
THREE STRINGERS		6	4	12	6	4	12
Bulb Plate for length							
Intercoastal Plate for full length		13 1/2		8	13 1/2		8
Attached to outside plating with Angle		3 1/2	3 1/2	9	3 1/2	3 1/2	9
SIDE STRINGER Angles							
Bulb or Intercoastal Plate for lng.							
Attached to outside plating with Angle							
Main and Raised Quarter Deck Stringer Plate, breadth and thickness	57		12		44		12
Angle on ditto (In Bridge 3 1/2 x 3 1/2)	4 1/2 x 4 1/2		10		4 1/2 x 4 1/2		10
Tie Plates, outside Hatchways	1/2 in. thick						
Diagonal Tie Plates on Bms, No. of Pairs	2 1/2 in. thick						
Main Dk* Iron or Steel for full lng.			7/16				7/16
R. Q. Dk* Iron or Steel for lng.							
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	56		5 1/2		56		5 1/2
Angle on ditto	3 x 3		7		3 x 3		7
Tie Plates							
Deck, Material and thickness	Iron		9/16				5/16
Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness	54		8		54		8
Angle on ditto	3 1/2 x 3 1/2		8		3 1/2 x 3 1/2		8
Tie Plates							
Deck, Material and thickness	Iron		9/16		Iron		5/16
Forecastle Deck Stringer Plate, brdth & thcknss	32		6		32		6
Angle on ditto	3 x 3		7		3 x 3		7
Tie Plates							
Deck, Material and thickness	Iron		3				

BULKHEADS.		Number.	Thickness.	Horizontal.	Vertical.	Single or Double Frames.	Height up.
In Vessel.	Per Rule.			Size. Spacing. Inches.	Size. Spacing. Inches.		
W.T. BULKHEADS	5	5	7.6	4 1/2 x 3 1/2	4 1/2 x 3 1/2	48	11 ft. 0 in.
PARTITION							
LONGITUDINAL							
Are the outside Plates doubled two spaces of Frames in length?							
Are the Glass Valves and Watertight Doors in efficient working order?							

PLATING.

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.		BUTTS.	
	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.	AMIDSHIP.	THICKNESS.	Single or Double.	Breadth of Lap.	RIVETS.	DOUBLE OR TREBLE AND FOR WHAT LENGTH.
FLAT PLATE KEEL (If Bar Keel, state Riveting)	36	19	12	12	36	19	Double	6	4	3/4 L 1 1/2 4 1/2
GARBOARD OR A Strake	46	13	11	11	46	13	Double	6	4	3/4 L 1 1/2 4 1/2
B "	10	9	9	9	10	9	"	"	"	"
C "	11	9	9	9	11	9	"	"	"	"
D "	10	9	9	9	10	9	"	"	"	"
E "	11	9	9	9	11	9	"	"	"	"
F "	11	9	9	9	11	9	"	"	"	"
G "	12	9	9	9	12	9	"	"	"	"
H "	11	9	9	9	11	9	"	"	"	"
J "	12	9	9	9	12	9	"	"	"	"
K "	13	9	9	9	13	9	"	"	"	"
L "	42	15	10	10	42	15	"	6	1	4
M "										
N "										
O "										
P "										
DOUBLING OF Flat Plate Keel	In line of doubling) Centre girder increased 2 to 4 plates keel 2 to 4 and A strakes 2 to 4									
of Bilges	Double 20 ft at each end of Bridge									
of Sheerstrakes	Double 20 ft at each end of Bridge									
of Strake below	7									
POOP SIDES	7									
RAISED QUARTER DECK SIDES	9-8									
BRIDGE SIDES	7									
FORECASTLE SIDES	7									
LENGTHS OF PLATING	15 to 22 ft									

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. *Mild Steel*

Steel, Glasgow & Co., Dorman, Sons & Co., Consett
Palmer, South Durham & Co.
Iron, South Durham & Co.

Has the steel been tested as required by the Rules *Yes*

FRAMES extend in one length from keel to tank side and from tank side to gunwale if ordinary or jogged *Ordinary*

REVERSED FRAMES on floors and frames extend from centre to tank side. B.A. frames outside tank side if ordinary or jogged *Ordinary*

MASTS, SPARS, &c.

LOWER MASTS.	Fore	Main	Mizen	DIAMETER AND THICKNESS.		No. of Plates in round.		ANGLES.		RIVETING.	
				Material.	Total length.	At Partners.	Heel.	Hounds.	Head.	Number.	Size.
Fore	Steel	57-0	20 x 30	16 x 30	15 x 30	2	1	Single	Double		
Main	Steel	59-0	20 x 30	16 x 30	15 x 30	2	1	Single	Double		
Mizen	Steel	59-0	20 x 30	16 x 30	15 x 30	2	1	Single	Double		

Bowsprit *Yes*

Topmasts, *Yes* and Remainder of Spars *Pitch Pine*

Rigging, Material and Size, Shrouds *Sisal, iron wire, 3/4*

Sails. *On* Suit of *Sails and the following spare sails*

Equipment No. *25295* Letter *Z*

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.			
4914	1st Bower	43	1	0	38	1	0	42	2	0	Payson	25-4-04. Ref.
4858	2nd "	43	0	7	37	19	14	42	2	0	"	25-4-04. "
4929	3rd "	34	3	7	33	13	21	36	1	0	"	30-4-04. "
	Collective weight	123	0	14	121	1	0					
51507	Stream	11	0	3	13	0	0	10	3	0	Ordinary	25-4-04. Ref.
51501	Kedge	5	2	25	8	0	2	14	5	2	"	25-4-04. Ref.

CHAIN CABLES.

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length and size per Table 22.	Description.	Makers of Cables.	When and where tested and Superintendent.	Material.	Length and size supplied.	Breaking Test of Steel Wire.	Length and size per Table 22.
			Supplied.	Per Table 22.								
34086	120 1 1/2	65 1/2	245 3/8	425 1/8	120 1 1/2	Alloy Steel	25-4-04. Ref.	25-4-04. Ref.	100	4	33	100
34087	120 1 1/2	65 1/2	245 3/8	425 1/8	120 1 1/2	Alloy Steel	25-4-04. Ref.	25-4-04. Ref.	100	4	33	100
	240											
	76 4 1/2	35			75 4 1/2							

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.	Test per Certificate.	Description.	Makers of Cables.	When and where tested and Superintendent.	Material.	Length and size supplied.	Breaking Test of Steel Wire.	Length and size per Table 22.
34086	120 1 1/2	65 1/2	Alloy Steel	25-4-04. Ref.	25-4-04. Ref.	100	4	33	100
34087	120 1 1/2	65 1/2	Alloy Steel	25-4-04. Ref.	25-4-04. Ref.	100	4	33	100
	240								
	76 4 1/2	35							

Boats *2 Sigsbee and 2 others*

Pumps, Number *Hydraulic pump connected to hold water, and one hand pump for pump*

Windlass is by *Charles Chapman & Co.*

Engine Room Skylights—How constructed? *Plates and angles and Sigsbee flaps.*

What arrangements for deadlights in bad weather? *Jack flaps and Sigsbee flaps.*

Coal Bunker Openings—How constructed? *Plates and angles* How are lids secured? *Battened down* Height above deck? *15"*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *On each side.*

Ceiling in Holds, thickness and material *2 1/2" W. Pine*

Cargo Hatchways, thickness and material *2" W. Pine.*

Hatches, If strong and efficient? *3" solid.*

State size No. 1 Hatch (Forward) *24-0 x 16-0* No. 2 Hatch *26-0 x 16-0* No. 3 Hatch *10-0 x 14-0* No. 4 Hatch *24-0 x 16-0*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *No. 1, 2, 4 and 5 two web plates. Three fore and afters in each Hatch.*

No. of Breasthooks *Sight* No. of Crutches *2 + deep flaps*

Bulwarks, height above deck and description *4-3 7/8 Steel*

Main Rail and Stays, material and size *Steel B.A. 6 1/2 x 3 1/2*

The above is a correct description. *For William Gray & Co. Limited*

Builder's Signature (here only) *Robert Dryden* Secretary.

Surveyor's Signature *Allison B. Wilson*

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 15-1-04, 3-2-04, 2-1-3-04

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? *A few.*

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

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

State results of tests *satisfactory*

Have all the gutterways been tested as required by the Rules (Sec. 23, par 25)? *Yes*

State results of tests *satisfactory*

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

This vessel has been built in accordance with the approved plans, the Secretary letters of the above dates, and in general conformity to the Rules for the class contemplated.

Accompanying this report. Plans of Midship Section, Profile, Section about collision bulkhead. Beams, Pillars, and coaming in way of hatchways. Pumping arrangements, and Report on ships fittings.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *26-55* ft., R.Q.D. or Break *ft.*, Bridge Dk. *31-25* ft., F'castle *32-1* 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) *1 Dk (in) + deep framing*

Official No. *656*; Signal Letters *None*

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 or with girders on floors *Cell. D.B.*

Where fitted.	Length.		Water Capacity.	Where fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	86-0	209	Fore peak tank,			45	
Double bottom, under Engines and Boilers,	32-0	95	After peak tank,			88	
Double bottom, if under Engines only,			Deep tank, aft,				
Double bottom, if under Boilers only,			Deep tank, forward,				
Double bottom, forward,	130-0	344	Other tanks, if fitted,				

648 (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. *1926*

Date *15th Feb. 1904*

No. *656* in builder's yard.

DATES OF SURVEYS held while building

1904. Jan. 16-20-27 Feb. 2-4-9-12-16-17-22-25-29 March. 2-3-4-10-11-15-16-21 22-23-24-28-29-30-31 April. 7-8-11-12-15-18-19-20-22-25-27-28-29 May. 2-3-9-13 17-18-20-24-27-30-31 June 1.

Total No. of Visits *52*

The amount of Entry Fee *£ 5*

Special *£ 83 13*

Traveling Expenses, if any *£*

Fees applied for, *9-6-1904*

Received by me, *9-6-04*

State whether the Vessel has been built under Special Survey *Yes*

I am of opinion this Vessel should be Classed *100 A1 Steel*

With, or without Freeboard, as condition of Class *Without*

Committee's Minute *FRI. 10 JUN 1904*

Character assigned *100 A1 (Steel)*

Lloyds 246.P.W. + L.M. 6.5.04

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