

Received at London Office THUR. 28 SEP 1899

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

Date of completion of report *27th September 1899* Port of *WEST HARTLEPOOL.* No. *11003.*

Survey held at *W. Airt.* Date, First Survey *4th January* Last Survey *23rd September, 1899.*

he *Steel S.S. of Manchester Corporation* Rig *Four masted schooner*

ONNAGE under } *5183.45*
 Tonnage Deck... }
 Between Tonnage Dk. }
 and 3rd and 4th Dk. }
 Total under Upper Dk. } *54.02*

of Poop *54.02*
 of Bridge House
 of Forecastle *46.89*
 of Houses on Dk. *408.34*
 of excess of Hatchways *24.27*
 above Crown of }
 Engine Room .. }
 Gross Tonnage *5866.78*
 Less Crew Space *129.66*
 Less above Crown of }
 Engine Room .. }
 TONNAGE FOR FEES.. *5237.12*
 Less Engine Room *1717.37*
 Less Navigation Spaces *68.00*

Register Tonnage *3456.75*
 as cut on Beam

THREE DECKED VESSEL.
 CLASS *100A1 Steel* FEET.

Half Breadth (moulded) *23.92* ✓
 Depth from upper part of Keel to top of Upper Deck Beams *35.00* ✓
 (with the normal round up of beam)
 Girth of Half Midship Frame (as per Rule)..... *54.25* ✓
113.17 ✓
 deduct 7 feet..... *7.0* ✓
 1st Number *106.17* ✓
 Length on deck from after part of stem to fore part of } *428* ✓
 stern post }

2nd Number *45450* ✓
 Proportions—Breadth to Length..... *8.95* ✓
 Depth to Length—Upper Deck to top of Keel ✓ *12.23* ✓
 Main Deck ditto *16.6*

Master *Joseph Watson*
 Year of appointment { (1) As Master in service of owner of present vessel—18 *99*
 (2) As Master of this vessel 18 *99*

Built at *West Hartlepool.*
 When built *1898-9* Launched *8.6.99.*
 By whom built *Turner, Withy & Co. Ltd.*
 Owners *Manchester Liners Ltd.*
 Managers *—*
 (Where necessary to be entered in Reg. Book.)
 Residence *Manchester.*
 Port belonging to *Manchester*

Destined Voyage *Montreal* Surveyed while Building *A float, in Dry Dock*

as cut on Deck

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	Main Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
	428	0		47	10					23	3	3	3

Dimensions of Ship per Register, Length 430.5 breadth 48.1 depth 30.8 Moulded depth, ft. 34 ins. 0 To Upper Dk. Round of Upper Dk. Beam, Actual 12 ins.

FRAMING.				FORGINGS or CASTINGS.				Inches in Ship.		Inches per Rule. Or as Approved.	
FRAME, Angles on Vertical Bars for 1/2 length amidships	7 1/2	3 1/2	13	7 1/2	3 1/2	13	KEEL, Bar or Side Plates, depth and thickness	12x3/8	12x3/8		
Do. for 1/2 at each end	7 1/2	3 1/2	12	7 1/2	3 1/2	12	STEM, moulding and thickness	12x7 3/4	12x7 3/4		
Do. in way of Double Bottoms at Solid Floors	Floors flanged on lower edge						STERN-POST for Rudder do. do.	12x7 3/4	12x7 3/4		
Distance of Frames from moulding edge to moulding edge, all fore and aft	25						MAIN PIECE of Rudder, diameter at head	10 1/2	10 1/2		
Distance of Frames from moulding edge to moulding edge, all fore and aft	25						do. at heel	5 1/4	5 1/4		
REVERSED FRAME, Angles	3 1/2	3 1/2	11-10	3 1/2	3 1/2	11-10	RUDDER, how constructed	Framed frame, plated	Yes		
KEEL FRAMING, depth of girder	double in E.B. sp.						Can the Rudder be unshipped afloat?	Yes			
FLOORS, depth and thickness of Floor Plate at mid line for 1/2 length amidships	flanged on upper edge in holds						KEELSONS & STRINGERS.	Inches in Ship.	Inches per Rule. Or as Approved.		
in way of Engines and Boilers							CENTRE LINE KEELSON, Vertical Plate, above floor Through Plate, or Intercoastal Plate				
thickness at the ends of vessel							Mid Plate				
depth at 1/2 the half breadth as per Rule							Rib Plate to Intercoastal Keelson				
height extended at the Bilge							Horizontal Plates on Elbow				
FLOORS & BRACKETS in Cell Dble Bottoms	48	11-10-9		11-10-9			Angles	cellular			
Distance apart	25						SIDE KEELSON, Angles	double			
CENTRE GIRDER, in Double bottom, depth and thickness	48	12	48	12			Rib Plate for whole length	bottom			
Angles, Top	4	4	10	4	4	10	Intercoastal Plate, for whole length				
Angles, Bottom	6 1/2	4 1/2	10	6 1/2	4 1/2	10	Attached to outside Plating with Angle				
SIDE GIRDERS, number on each side & thickness	one	10	one	10			BILGE KEELSON, Angles				
Angles	3 1/2	3 1/2	10	3 1/2	3 1/2	10	Rib Plate above floor for whole length				
MARGIN PLATE, depth (exclusive of flange) and thickness	4	4	10	4	4	10	Intercoastal Plate for whole length				
Angles to Outside Plating	4	4	10	4	4	10	Attached to outside Plating with Angle				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	36	11-9	36	11-9			BILGE STRINGER Angles	dbl. bulks	9 1/2 3 1/2 12 9 1/2 3 1/2 12		
in Engine and Boiler space	8 1/2	3	11	8 1/2	3	11	Rib Plate for whole length				
Remainder in Holds	8 1/2	3	11	8 1/2	3	11	Intercoastal Plate for whole length				
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8 1/2	3	12	8 1/2	3	12	Attached to outside Plating with Angle				
Angles on upper edge	25		25				Upper Deck Stringer Plates, br'dth & thickness	65	4/3 65		
Average space	8 1/2	3	12	8 1/2	3	12	Angle on ditto	5x5x11	5x5x11		
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8 1/2	3	12	8 1/2	3	12	Tie Plates fore and aft, outside Hatchways	increased 3/2			
Angles on upper edge	25		25				Deck. Iron or Steel, for whole lng.	9-8	9-8		
Average space	11	6 1/2	11	11	6 1/2	11	Wood Deck Material & thickness				
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	11	6 1/2	11	11	6 1/2	11	Middle Deck Stringer Plate, br'dth & thickness	65	11 65		
Angles on upper edge	25		25				Angles on ditto, No. 2	4x4x9	4x4x9		
Average space	6 1/2	3	8	6 1/2	3	8	Tie Plates outside Hatchways	increased 3/2			
BEAMS, Hold or Orlop Plate or Tee Bulb	6 1/2	3	8	6 1/2	3	8	Diagonal Tie Plates on Deck, No. of				
Angles on upper edge	25		25				Deck. Iron or Steel, for whole lng.	8-7	8-7		
Average space	6 1/2	3	8	6 1/2	3	8	Wood Deck Material & thickness				
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	6 1/2	3	8	6 1/2	3	8	Lower Deck Stringer Plate, br'dth & thickness	55	10 55		
Angles on upper edge	25		25				Angles on ditto, No. 2	4x4x9	4x4x9		
Average space	6 1/2	3	8	6 1/2	3	8	Tie Plates outside Hatchways				
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	6 1/2	3	8	6 1/2	3	8	Deck Material and thickness				
Angles on upper edge	25		25				Hold or Orlop Stringer Plate, br'dth & thickness				
Average space	6 1/2	3	8	6 1/2	3	8	Angles on ditto, No.				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	6 1/2	3	8	6 1/2	3	8	Tie Plates outside Hatchways				
Angles on upper edge	25		25				Deck Material and thickness				
Average space	6 1/2	3	8	6 1/2	3	8	Poop Deck Stringer Plate, breadth & thickness	36	7 36		
PILLARS, In 'tween Deck, size and spacing	Middle line b'd						Angle on ditto	3 1/2 x 3 1/2	8 3 1/2 x 3 1/2 8		
Hold	5/16 in thickness						Tie Plates				
Quarter 'tween Dks.	3/4 100						Deck. Material and thickness	Iron	5/16 5/16		
in Hold	4x4 1/2						Bridge Deck Stringer Plate, br'dth & thickness	60	7 60		
FRAMES, In Fore Body, No. and spacing	Three each side						Angle on ditto	3 1/2 x 3 1/2	8 3 1/2 x 3 1/2 8		
br'dth & thickness	18 9 18 9						Tie Plates				
WEB-FRAMES, In E. & B. Space, No. and spacing	Two in tank, three at d.						Deck. Material and thickness	Iron	5/16 5/16		
br'dth & thickness	30x18 9 30x18 9						Forecastle Deck Stringer Plate, br'dth & th'kns	3 1/2 x 3 1/2	8 3 1/2 x 3 1/2 8		
No. of Side Stringers	Two each side						Angle on ditto	3 1/2 x 3 1/2	8 3 1/2 x 3 1/2 8		
Size of Angles or Tee Bars to Web-Frames	4 1/2 3 1/2 10 4 1/2 3 1/2 10						Tie Plates				
BRACKET PLATES to Stringers between Web-Frames, depth and thickness							Deck. Material and thickness	Iron	5/16 5/16		

As cut on Deck

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	Main Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
	428	0		47	10					23	3	3	3

Dimensions of Ship per Register, Length 430.5 breadth 48.1 depth 30.8 Moulded depth, ft. 34 ins. 0 To Upper Dk. Round of Upper Dk. Beam, Actual 12 ins.

FRAMING.				FORGINGS or CASTINGS.				Inches in Ship.		Inches per Rule. Or as Approved.	
FRAME, Angles on Vertical Bars for 1/2 length amidships	7 1/2	3 1/2	13	7 1/2	3 1/2	13	KEEL, Bar or Side Plates, depth and thickness	12x3/8	12x3/8		
Do. for 1/2 at each end	7 1/2	3 1/2	12	7 1/2	3 1/2	12	STEM, moulding and thickness	12x7 3/4	12x7 3/4		
Do. in way of Double Bottoms at Solid Floors	Floors flanged on lower edge						STERN-POST for Rudder do. do.	12x7 3/4	12x7 3/4		
Distance of Frames from moulding edge to moulding edge, all fore and aft	25						MAIN PIECE of Rudder, diameter at head	10 1/2	10 1/2		
Distance of Frames from moulding edge to moulding edge, all fore and aft	25						do. at heel	5 1/4	5 1/4		
REVERSED FRAME, Angles	3 1/2	3 1/2	11-10	3 1/2	3 1/2	11-10	RUDDER, how constructed	Framed frame, plated	Yes		
KEEL FRAMING, depth of girder	double in E.B. sp.						Can the Rudder be unshipped afloat?	Yes			
FLOORS, depth and thickness of Floor Plate at mid line for 1/2 length amidships	flanged on upper edge in holds						KEELSONS & STRINGERS.	Inches in Ship.	Inches per Rule. Or as Approved.		
in way of Engines and Boilers							CENTRE LINE KEELSON, Vertical Plate, above floor Through Plate, or Intercoastal Plate				
thickness at the ends of vessel							Mid Plate				
depth at 1/2 the half breadth as per Rule							Rib Plate to Intercoastal Keelson				
height extended at the Bilge							Horizontal Plates on Elbow				
FLOORS & BRACKETS in Cell Dble Bottoms	48	11-10-9		11-10-9			Angles	cellular			
Distance apart	25						SIDE KEELSON, Angles	double			
CENTRE GIRDER, in Double bottom, depth and thickness	48	12	48	12			Rib Plate for whole length	bottom			
Angles, Top	4	4	10	4	4	10	Intercoastal Plate, for whole length				
Angles, Bottom	6 1/2	4 1/2	10	6 1/2	4 1/2	10	Attached to outside Plating with Angle				
SIDE GIRDERS, number on each side & thickness	one	10	one	10			BILGE KEELSON, Angles				
Angles	3 1/2	3 1/2	10	3 1/2	3 1/2	10	Rib Plate above floor for whole length				
MARGIN PLATE, depth (exclusive of flange) and thickness	4	4	10	4	4	10	Intercoastal Plate for whole length				
Angles to Outside Plating	4	4	10	4	4	10	Attached to outside Plating with Angle				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	36	11-9	36	11-9			BILGE STRINGER Angles	dbl. bulks	9 1/2 3 1/2 12 9 1/2 3 1/2 12		
in Engine and Boiler space	8 1/2	3	11	8 1/2	3	11	Rib Plate for whole length				
Remainder in Holds	8 1/2	3	11	8 1/2	3	11	Intercoastal Plate for whole length				
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8 1/2	3	12	8 1/2	3	12	Attached to outside plating with Angle				
Angles on upper edge	25		25				Upper Deck Stringer Plates, br'dth & thickness	65	4/3 65		
Average space	8 1/2	3	12	8 1/2	3	12	Angle on ditto	5x5x11	5x5x11		
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8 1/2	3	12	8 1/2	3	12	Tie Plates fore and aft, outside Hatchways	increased 3/2			
Angles on upper edge	25		25				Deck. Iron or Steel, for whole lng.	9-8	9-8		
Average space	11	6 1/2	11	11	6 1/2	11	Wood Deck Material & thickness				
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	11	6 1/2	11	11	6 1/2	11	Middle Deck Stringer Plate, br'dth & thickness	65	11 65		
Angles on upper edge	25		25				Angles on ditto, No. 2	4x4x9	4x4x9		
Average space	6 1/2	3	8	6 1/2	3	8	Tie Plates outside Hatchways	increased 3/2			
BEAMS, Hold or Orlop Plate or Tee Bulb	6 1/2	3	8	6 1/2	3	8	Diagonal Tie Plates on Deck, No. of				
Angles on upper edge	25		25				Deck. Iron or Steel, for whole lng.	8-7	8-7		
Average space	6 1/2	3	8	6 1/2	3	8	Wood Deck Material & thickness				
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	6 1/2	3	8	6 1/2	3	8	Lower Deck Stringer Plate, br'dth & thickness	55	10 55		
Angles on upper edge	25		25				Angles on ditto, No. 2	4x4x9	4x4x9		
Average space	6 1/2	3	8	6 1/2	3	8	Tie Plates outside Hatchways				
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	6 1/2	3	8	6 1/2	3	8	Deck Material and thickness				
Angles on upper edge	25		25				Hold or Orlop Stringer Plate, br'dth & thickness				
Average space	6 1/2	3	8	6 1/2	3	8	Angles on ditto, No.				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	6 1/2	3	8	6 1/2	3	8	Tie Plates outside Hatchways				
Angles on upper edge	25		25				Deck Material and thickness				
Average space	6 1/2	3	8	6 1/2	3	8	Poop Deck Stringer Plate, breadth & thickness	36	7 36		
PILLARS, In 'tween Deck, size and spacing	Middle line b'd						Angle on ditto	3 1/2 x 3 1/2	8 3 1/2 x 3 1/2 8		
Hold	5/16 in thickness						Tie Plates				
Quarter 'tween Dks.	3/4 100						Deck. Material and thickness	Iron	5/16 5/16		
in Hold	4x4 1/2						Bridge Deck Stringer Plate, br'dth & thickness	60	7 60		
FRAMES, In Fore Body, No. and spacing	Three each side						Angle on ditto	3 1/2 x 3 1/2	8 3 1/2 x 3 1/2 8		
br'dth & thickness	18 9 18 9						Tie Plates				
WEB-FRAMES, In E. & B. Space, No. and spacing	Two in tank, three at d.						Deck. Material and thickness	Iron	5/16 5/16		
br'dth & thickness	30x18 9 30x18 9						Forecastle Deck Stringer Plate, br'dth & th'kns	3 1/2 x 3 1/2	8 3 1/2 x 3 1/2 8		
No. of Side Stringers	Two each side						Angle on ditto	3 1/2 x 3 1/2	8 3 1/2 x 3 1/2 8		
Size of Angles or Tee Bars to Web-Frames	4 1/2 3 1/2 10 4 1/2 3 1/2 10						Tie Plates				
BRACKET PLATES to Stringers between Web-Frames, depth and thickness							Deck. Material and thickness	Iron	5/16 5/16		

As cut on Deck

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	Main Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
	428	0		47	10					23	3	3	3

Dimensions of Ship per Register, Length 430.5 breadth 48.1 depth 30.8 Moulded depth, ft. 34 ins. 0 To Upper Dk. Round of Upper Dk. Beam, Actual 12 ins.

FRAMING.				FORGINGS or CASTINGS.				Inches in Ship.		Inches per Rule. Or as Approved.	
FRAME, Angles on Vertical Bars for 1/2 length amidships	7 1/2	3 1/2	13	7 1/2	3 1/2	13	KEEL, Bar or Side Plates, depth and thickness	12x3/8	12x3/8		
Do. for 1/2 at each end	7 1/2	3 1/2	12	7 1/2	3 1/2	12	STEM, moulding and thickness	12x7 3/4	12x7 3/4		
Do. in way of Double Bottoms at Solid Floors	Floors flanged on lower edge						STERN-POST for Rudder do. do.	12x7 3/4	12x7 3/4		
Distance of Frames from moulding edge to moulding edge, all fore and aft	25						MAIN PIECE of Rudder, diameter at head	10 1/2	10 1/2		
Distance of Frames from moulding edge to moulding edge, all fore and aft	25						do. at heel	5 1/4	5 1/4		
REVERSED FRAME, Angles	3 1/2	3 1/2	11-10	3 1/2	3 1/2	11-10	RUDDER, how constructed	Framed frame, plated	Yes		
KEEL FRAMING, depth of girder	double in E.B. sp.						Can the Rudder be unshipped afloat?	Yes			
FLOORS, depth and thickness of Floor Plate at mid line for 1/2 length amidships	flanged on upper edge in holds						KEELSONS & STRINGERS.	Inches in Ship.	Inches per Rule. Or as Approved.		
in way of Engines and Boilers							CENTRE LINE KEELSON, Vertical Plate, above floor Through Plate, or Intercoastal Plate				
thickness at the ends of vessel							Mid Plate				
depth at 1/2 the half breadth as per Rule							Rib Plate to Intercoastal Keelson				
height extended at the Bilge							Horizontal Plates on Elbow				
FLOORS & BRACKETS in Cell Dble Bottoms	48	11-10-9		11-10-9			Angles	cellular			
Distance apart	25						SIDE KEELSON, Angles	double			
CENTRE GIRDER, in Double bottom, depth and thickness	48	12	48	12			Rib Plate for whole length	bottom			
Angles, Top	4	4	10	4	4	10	Intercoastal Plate, for whole length				
Angles, Bottom	6 1/2	4 1/2	10	6 1/2	4 1/2	10	Attached to outside Plating with Angle				
SIDE GIRDERS, number on each side & thickness	one	10	one	10			BILGE KEELSON, Angles				
Angles	3 1/2	3 1/2	10	3 1/2	3 1/2	10	Rib Plate above floor for whole length				
MARGIN PLATE, depth (exclusive of flange) and thickness	4	4	10	4	4	10	Intercoastal Plate for whole length				
Angles to Outside Plating	4	4	10	4	4	10	Attached to outside Plating with Angle				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	36	11-9	36	11-9			BILGE STRINGER Angles	dbl. bulks	9 1/2 3 1/2 12 9 1/2 3 1/2 12		
in Engine and Boiler space	8 1/2	3	11	8 1/2	3	11	Rib Plate for whole length				
Remainder in Holds	8 1/2	3	11	8 1/2	3	11	Intercoastal Plate for whole length				
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8 1/2	3	12	8 1/2	3	12	Attached to outside plating with Angle				
Angles on upper edge	25		25				Upper Deck Stringer Plates, br'dth & thickness	65	4/3 65		
Average space	8 1/2	3	12	8 1/2	3	12	Angle on ditto	5x5x11	5x5x11		
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8 1/2	3	12	8 1/2	3	12	Tie Plates fore and aft, outside Hatchways	increased 3/2			
Angles on upper edge	25		25				Deck. Iron or Steel, for whole lng.	9-8	9-8		
Average space	11	6 1/2	11	11	6 1/2	11	Wood Deck Material & thickness				
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	11	6 1/2	11	11	6 1/2	11	Middle Deck Stringer Plate, br'dth & thickness	65	11 65		
Angles on upper edge	25		25				Angles on ditto, No. 2	4x4x9	4x4x9		
Average space	6 1/2	3	8	6 1/2	3	8	Tie Plates outside Hatchways	increased 3/2			
BEAMS, Hold or Orlop Plate or Tee Bulb	6 1/2	3	8	6 1/2	3	8	Diagonal Tie Plates on Deck, No. of				
Angles on upper edge	25		25	</							

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.	Thickness.	Breadth.	For what Length.	
	Inches.	20ths.	20ths.	20ths.		Inches.	20ths.		Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	20ths.	Inches.	Feet.	
FLAT PLATE KEEL.....																			
Garboards or A Strake...	48	20	14	14		48	20	double	6	1	4/8	Treble	1	3 1/2	19	14-13	Double straps		
B "	51	15	13	13		57	15										10 1/2	whole	
C "		12	10	10			12						7/8	3 1/2			9		
D "		12	10	10			12												
E "		12	10	10			12												
F "		14	11	11			14						1	3 1/2			10 1/2		
G "		14	11	11			14												
H "		14	11	11			14												
J "		13	10	10			13						7/8	3 1/2			9		
K "		13	10	10			13												
L "		13	10	10			13												
M "		13	10	10			13												
N "		13	10	10			13												
O "		13	10	10			13												
P "		15	10	10			15												
Q "	62	16	12	12		52	15						1 1/8	4			13 1/2		
R "																			
DOUBLING of Flat Plate Keel	4th. Ch & garboards increased in thickness.																		
Length and thickness of Bilge Strakes	Doubled 3/4th Length. 15.																		
POOP SIDES				7															
BRIDGE SIDES		8 1/2					8 1/2												
FORECASTLE SIDES				7															
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, Plating, &c.?										Upper Deck (Butts, double riveted for 4 R for 1/2 length amidship. Stringer Plate Straps, single, double or overlapped for whole length amidship. Middle Deck (Butts, treble riveted for whole length amidship. Stringer Plate Straps, single, double or overlapped for all length amidship. Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted? Treble. Inner Bottom Plating, riveting of Edges, double 1/2 Butts double 1/2. Centre Girder Butts, treble riveted. Keelson Butts, riveted. Frames, riveted through Plates with 7/8 in. Rivets, about 6" apart. Rivets, state whether Iron or Steel. Iron rivets.									
FRAMES extend in one length from tank sides to forewall										REVERSED FRAMES on floors and beams are double in engine and boiler space; floors flanged at other parts; bulk angle framing above tank sides.									
MASTS, SPARS, &c.																			
LOWER MASTS.....																			
Fore																			
Main																			
Mizen																			
Rigging																			
Topmasts, Yards and Remainder of Spars																			
Rigging, Material and Size, Shrouds																			
Sails, one																			
EQUIPMENT No. 50154 LETTER Z										ANCHORS:									

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case)
 1898: 26th July M; 12th Sept M; 30th Sept M; 9th Nov M; 28th Dec M; 10th Feb '89.
Workmanship. Are the butts of plating planed or otherwise fitted? *Planed.* *Freeboards 5/9/99.*

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 plating? *No*

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.) *The workmanship is good and the vessel has been constructed in accordance with the approved plans, seven in number, which together with the Reports on the forgings and castings; and the letter from the owners, giving their consent to the use of black enamel cement in the bottom of the vessel; are attached hereto.*
The tunnel has been tested with a strong force of water from hose, and found satisfactory.

List of Plans: *Midship Section.* 11. Stringers way Boilers. 7 Pump plan.
 { 2 Profile 5. Cask shell quadrant stiller.
 { 3 amended deck erections 6. Mast Plan.

Sister vessel to H "Manchester Commerce" at present under construction.
 The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *20* ft., R.Q.D. or Break *ft.*, Bridge Dk. *84* ft., F'castle *42* ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated. *(A temporary shelter deck of 2" pine, for cattle shelter is fitted between fore bridge & bridge & poop.)*
 o. 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) *2 Sts (Stl). 3 tr Bins.*

Official No. ; Signal Letters
 How are the surfaces preserved from oxidation? Inside *Black enamel cement* Paint Outside *Paint*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors *Cellular*

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>139.5</i>	<i>316</i>	Fore peak tank,	<i>5.8</i>	<i>5.8</i>
Double bottom, under Engines and Boilers,	<i>62.5</i>	<i>214</i>	After peak tank,	<i>2.0</i>	<i>2.0</i>
Double bottom, if under Engines only,			Midship deep tank,	<i>2.9</i>	<i>536</i>
Double bottom, if under Boilers only,			Other tanks, if fitted,		
Double bottom, forward,	<i>162.5</i>	<i>470</i>	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks. *no* State whether the above have been tested as required by the Rules *See pumping plan Yes*

For Special Survey No. *1741*
 Date *30th July 1899*
 243 in builder's yard.
 Dates of Surveys held while building
1899 Jan. 9. 13. 20. 24. 27. 30. Feb. 1. 3. 6. 8. 14. 17. 20. 27. Mar. 1. 2. 6. 8. 11. 13. 15. 17. 29. Apr. 5. 10. 13. 17. 18. 20. 24. 26. 28. May 2. 5. 6. 9. 15. 18. 25. 30. 31. June 1. 2. 3. 6. 7. 8. 10. 12. 15. 19. 23. 26. 28. July 1. 24. 26. 28. Aug. 3. 14. 24. Sept 1. 4. 5. 8. 11. 12. 13. 15. 18. 19. 20. 21. 22. 23.
 Total No. of Visits *75*

Amount of Entry Fee £ *5* : : Fees applied for, *27. 9. 1899*
 Special Survey Fee £ *15 18* : : Received by me, *27. 9. 1899*
 Travelling Expenses, if any £ : :
 Whether the Vessel has been built under Special Survey *Yes*
 Of opinion this Vessel should be Classed *100A1 Steel*
 Without Freeboard, as condition of Class
 Certificate to be sent to *West Northpool*
C. E. Burney
 Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute *FRI. 29 SEP 1899*
 Character assigned *100A1 Steel*
White Hpl.