

3 Decks

## IRON OR STEEL STEAMER.

Received at London Office. FEB 16 1900

Date of completion of report

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

Port of

No.

at

Date, First Survey

Last Survey

18

Steamer

Shirley

Rig

THREE DECKED VESSEL.

CLASS 100A1

FEET.

Master

G. R. Satchell

Year of appointment

(1) As Master in service of owner of present vessel. 1899  
(2) As Master of this vessel 1900

Built at

West Hartlepool

When built

1899-1900 Launched 19<sup>th</sup> Dec 1899

By whom built

W. Gray &amp; Co. Ltd.

Owners

Mitre Shipping Co. Ltd.

Managers

Houlder, Middleton &amp; Co.

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

Residence

London.

Port belonging to

London

Destined Voyage

Main Deck ditto

Bang

Surveyed while Building, Afloat, or in Dry Dock

Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with flat laid
329	3	Moulded	46	10	Do.	24	9 1/2	one
Length per Register, Length 331.4 breadth 47.1 depth 24.7 Moulded depth, ft. 27 ins. 4 To Upper Dk. Round of Upper Dk. Beam, Actual 11 1/2 ins.								

FRAMING.	Inches in Ship	Inches in Ship	20ths in Ship	Inches per Rule Or as	Inches per Rule Or as	20ths per Rule	FORGINGS & CASTINGS.	Inches in Ship.	Inches per Rule Or as
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	KEEL, Bar or Side Plates, depth and thickness	11 x 2 3/4	11 x 2 3/4
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	STEM, moulding and thickness	11 x 6 1/2	11 x 6 1/2
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	STERN-POST for Rudder do. do.	11 x 6 1/2	11 x 6 1/2
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	MAIN PIECE of Rudder, diameter at head	8 1/2	8 1/2
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	do. at heel	6 1/2	6 1/2
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	RUDDER, how constructed	Simple plate rudder, forged iron frame	
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Can the Rudder be unshipped afloat?	Yes.	
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	KEELSONS & STRINGERS.		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	CENTRE LINE KEELSON, Vertical Plate above		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	floors, Through Plate, or Intercoastal Plate		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Rider Plate		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Bulb Plate to Intercoastal Keelson		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Horizontal Plates on Floors		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Angles		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	SIDE KEELSON, Angles		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Bulb or Plate above floors, for		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Intercoastal Plate, for		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Attached to outside Plating with Angle		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	BILGE KEELSON, Angles		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Bulb or Plate above floors, for		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Intercoastal Plate for		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Attached to outside Plating with Angle		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	BILGE STRINGER Angles		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Bulb Plate for		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Intercoastal Plate for		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Attached to outside Plating with Angle		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	2 SIDE STRINGERS Angles		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Bulb or Intercoastal Plate, for		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Attached to outside plating with Angle		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Upper Deck Stringer Plates, br'dth & thickness		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Angle on ditto		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Tie Plates fore and aft, outside Hatchways		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Deck, Iron or Steel, for		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Wood Deck, Material & thickness		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Middle Deck Stringer Plate, br'dth & thickness		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Angles on ditto, No.		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Tie Plates outside Hatchways		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Diagonal Tie Plates on Bms, No. of pgs.		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Deck, Iron or Steel, for		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Wood Deck, Material & thickness		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Lower Deck Stringer Plate, br'dth & thickness		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Angles on ditto, No.		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Tie Plates outside Hatchways		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Deck, Material and thickness		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Hold, or Orlop Stringer Plate, br'dth & thickness		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Angles on ditto, No.		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Tie Plates outside Hatchways		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Deck, Material and thickness		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Poop Deck Stringer Plate, breadth & thickness		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Angle on ditto		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Tie Plates		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Deck, Material and thickness		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Bridge Deck Stringer Plate, br'dth & thickness		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Angle on ditto		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Tie Plates		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Deck, Material and thickness		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Forecastle Deck Stringer Plate, br'dth & thickness		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Angle on ditto		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Tie Plates		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Deck, Material and thickness		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	BULKHEADS.		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Number.		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	In Vessel.		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Per Rule.		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Thickness.		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Horizontal.		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Vertical.		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Size.		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Spacing.		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Single or Double Frames.		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Height up.		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	W. T. BULKHEADS		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	PARTITION		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	LONGITUDINAL		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Are the outside Plates doubled two spaces of Frames in length?		
Plating, depth of floor plate	6	3 1/2	10	6	3 1/2	10	Are the Staircase Valves and Watertight Doors in efficient working order?		



PLATING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.	RIVETING.			
	AMIDSHIP.	FORWARD.	AFT.	THICKNESS.		EDGES.	RIVETS.		
	Breadth.	Thickness.	Thickness.	Thickness.		Breadth of Lap.	Diam.	Spacing cr. to cr.	STRAKES.
FLAT PLATE KEEL.....	40	20	13	13	40	20	Double	6	1
Carbide or A Strake.....	45	14	12	12	40	20	Double	6	1
State actual thickness in way of Double Bottom.....	11	10	9	9	11	11	Double	7/8	3/4
B.....	11	10	9	9	11	11	Double	7/8	3/4
C.....	11	10	9	9	11	11	Double	7/8	3/4
D.....	11	10	9	9	11	11	Double	7/8	3/4
E.....	11	10	9	9	11	11	Double	7/8	3/4
F.....	11	10	9	9	11	11	Double	7/8	3/4
G.....	11	10	9	9	11	11	Double	7/8	3/4
H.....	11	10	9	9	11	11	Double	7/8	3/4
I.....	11	10	9	9	11	11	Double	7/8	3/4
J.....	11	10	9	9	11	11	Double	7/8	3/4
K.....	11	10	9	9	11	11	Double	7/8	3/4
L.....	11	10	9	9	11	11	Double	7/8	3/4
M.....	11	10	9	9	11	11	Double	7/8	3/4
N.....	11	10	9	9	11	11	Double	7/8	3/4
O.....	11	10	9	9	11	11	Double	7/8	3/4
P.....	11	10	9	9	11	11	Double	7/8	3/4
Q.....	11	10	9	9	11	11	Double	7/8	3/4
R.....	11	10	9	9	11	11	Double	7/8	3/4
DOUBLING OF PLATE KEEL.....	44	17	10	10	44	17	Double	6	1
Length and thickness of Sheerstrake.....	7	8	7	7	7	8	Double	6	1
POOP SIDES.....	7	8	7	7	7	8	Double	6	1
BRIDGE SIDES.....	7	8	7	7	7	8	Double	6	1
FORECASTLE SIDES.....	7	8	7	7	7	8	Double	6	1

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.?  
*Mild Steel - Roman Iron Co.;  
 Cast Iron - South Durham I & S Co.*

Upper Deck (Butts, riveted) overlapped for *half*  
 Stringer Plate (Butts, riveted) overlapped for *half*  
 Middle Deck (Butts, treble riveted) overlapped for *whole*  
 Stringer Plate (Butts, treble riveted) overlapped for *whole*  
 Butts of Bilge & Side Stringers, riveted or double riveted  
 Inner Bottom Plating, riveting of Edges *Double*  
 Centre Girder Butts, riveted *Keelson Butts*  
 Frames riveted through Plates with *7/8* in. Rivets, about *6*  
 Rivets, state whether Iron or Steel *Iron*

FRAMES extend in one length from *Middle line* to *Tank Side* & *Thence to Gunwale*  
 REVERSED FRAMES on floors and frames extend from *Middle line to Tank Side, & Thence to Gunwale*  
 in *Tank in machinery space; alternately to Forecastle.*

MASTS, SPARS, &C.									
LOWER MASTS.....	Fore	Main	Mizen	Material.	Total Length.	DIAMETER AND THICKNESS.			
						At Partners.	Heel.	Round.	Head.
						20 x 30	16 x 30	10	15 x 30
						20 x 30	16 x 30	10	15 x 30

EQUIPMENT No. *34151* LETTER *27*  
 Number of Certificate. Anchors. WEIGHT, EX STOCK. WEIGHT OF STOCK. TEST, PER CERTIFICATE. ANCHORS.  
 37710 1st Bower... 48 3 14... 41 13 1 21... 47 2 0... Bull-dog  
 37860 2nd " ... 46 3 0... 41 13 1 21... 47 2 0... Patent  
 37875 3rd " ... 40 2 0... 40 6 8 14... 47 2 0... Drop test certificates for cast steel  
 37848 Collecting weight... 136 0 14... 36 2 2 0... 40 1 0...  
 37849 Stream ... 11 2 0... 10 7 2 0... 11 2 0...  
 Kedge... 5 3 0... 1 1 21... 8 0 2 14... 5 3 0...  
 Sails, and the following spare sails  
 Sails. Rigging, Material and Size. Shrouds *5 1/2" gal. iron wire*  
 One *Suit of iron wire*  
 Stays *4" gal. iron wire*

CHAIN CABLES.									
Number of Certificate.	Fathoms.	Size.	Test per Certificate.	WEIGHT OF CHAIN CABLE.	Fathoms and Size per Table 22.	Description.	Makers of Cable.	When and where tested, and Superintendent.	HAWERS AND WARPS.
14515	270	2	10 1/2	4538.10	270-2	Stud	J. Green	6.2.00 Dundee	Material. Fathoms. Size. Breaking Test of Steel Wire Towing.
90 43 39									

Boats *Two life boats & two others*  
 Pumps, Number *One* *Depth of tank pump on deck, connected to main tank*  
 Windlass is *Emerson Walker & Thompson Bros.*  
 Engine Room Skylights.—How constructed? *Iron on iron casing 4 1/2" above bridge deck.*  
 What arrangements for deadlights in bad weather? *Shine glass bulletins in tank bridge coars.*  
 Coal Bunker Openings.—How constructed? *Two hatchways lead to hold. How are lids secured? Iron & tarpauline*  
 Number of Suppers, and numbers and dimensions of Freeing Ports, &c. *8 Ports (36 x 21), & 7 Suppers on each side.*  
 Ceiling in Holds, thickness and material *2 1/2" W.P.*  
 Cargo Hatchways.—How formed? *Iron plate coverings*  
 State size No. 1 Hatch (Forward) *26.0 x 15.0 x 4 1/2"* No. 2 Hatch *26.0 x 15.0 x 4 1/2"* No. 3 Hatch *26.0 x 15.0 x 4 1/2"* No. 4 Hatch *26.0 x 15.0 x 4 1/2"*  
 Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *Two deep web plates, and three fore and afters*  
 Bulwarks, height above deck and description *4" iron plate, 5 1/2" high*  
 The above is a correct description.  
 Builder's Signature (here only) *Wm. Gray & Co. Limited*  
 Surveyor's Signature *Chas. Fowling*  
 Surveyor to Lloyd's Register of British and Foreign Shipping.

State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case).  
*June 30 (m), 30 (m), Nov 13 (E), 1900, Jan 30 (m).*  
 Are the butts of plating planed or otherwise fitted? *Planed*  
 Are the butts properly closed? *Yes*  
 Do the holes for riveting plate to frames, butt straps, or plate between the frames and plates solid single pieces? *Yes*  
 Are the rivet holes well and sufficiently countersunk in the plate and punched conform well to each other? *Yes*  
 Do any rivets break into or through the seams or butts of plating? *A few*  
 Plating, Stringers, &c., properly shifted and strapped? *Yes*  
 State results of tests  
 er and weather decks been tested as required by the Rules (Sec. 23, par. 24)? *Yes*  
 State results of tests  
 erways been tested as required by the Rules (Sec. 23, par. 25)? *Yes*  
 State quality of workmanship, &c.) *The workmanship is good, and the vessel has been constructed in accordance with the approved plans (3 in No.) which together with one Jorgensen Report are attached hereto.*  
*The fore peak has been filled with water to height of load line & collision bulkhead found good.*  
 This is a sister ship to the S.S. "Eldwick Park" West Hartlepool Report No. 10956  
 Drawings:  
 Midship Section  
 Profile  
 Pumping Plan  
 The weather decks, gutterways, and tunnel to be tested by water at Barry, for which port the vessel has now sailed. The Barry Surveyors have been advised.

ULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *27* ft., R.Q.D. on Poop *4*, Bridge Dk. *82* ft., F'castle *30* ft. and tenths). When the Poop is joined to the B.D., this should be distinctly stated.  
 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 appear in the Register Book) *One deck (iron), 2 tier beams & deep framing.*  
 No. *112668*; Signal Letters *Portland Cement & Sanit* Outside *Paint*  
 Are the surfaces preserved from oxidation? Inside *Portland Cement & Sanit* Outside *Paint*

CULARS OF WATER BALLAST.									
Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.	Where fitted.
bottom, aft.	<i>134</i>	<i>368 1/2</i>	bottom, forward.	<i>134</i>	<i>372</i>	bottom, under Engines and Boilers.	<i>134</i>	<i>372</i>	bottom, if under Engines only.
bottom, under Engines and Boilers.	<i>134</i>	<i>372</i>	bottom, if under Engines only.	<i>134</i>	<i>372</i>	bottom, if under Boilers only.	<i>134</i>	<i>372</i>	bottom, forward.

Special Survey No. *1779*  
 Date *13th July 1899*  
 604 in builder's yard  
 Dates of Surveys held while building  
 1899 Aug. 24 26 30 Sept. 6 10 13 15 18 21 25 27 30 Oct. 3 11 13 17 18 23 25 31 Nov. 2 7 9 14 16 21 23 28 29 Dec. 1 2 5 7 9 12 14 15 18 20 1900 Jan. 6 12 15 17 18 22 24 30 Feb. 5 7 9 10 12  
 Total No. of Visits *52*

amount of Entry Fee.....£ *5*  
 Special Survey Fee.....£ *107 10*  
 Travelling Expenses, if any £  
 Certificate to be sent to *W. Hartlepool.*  
 Chas. Fowling  
 Surveyor to Lloyd's Register of British and Foreign Shipping.  
 Committee's Minute  
 Character assigned  
 FRI. 23 FEB 1900  
 100/41 (S.H.)  
 A.C.P. + S.M.C. 2.00