

3 Decks.

IRON OR STEEL STEAMER.

Received at London Office WED. 14 SEP 1904

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

Yes

Date of completion of report

12th

September 1904

Port of

Sunderland

No.

21954.

Survey held at

Sunderland

Date, First Survey

25th

Jan'y

1904

Last Survey

2nd

Sept

1904

On the

Steel Screw Steamer

"Wray Castle"

Rig

Fore & aft schooner.

TONNAGE under

3943.03

THREE DECKED VESSEL.

Master

Percy Watson

Tonnage Deck...

CLASS 100 A1

FEET.

Year of appointment

(1) As Master in service of owner of present vessel: 18

(2) As Master of this vessel: 1904

Total under Upper Dk.

3943.03

Half Breadth (moulded)

24.37

Built at

Sunderland

Do. of Poop

121.59

Depth from upper part of Keel to top of Upper Deck Beams

29.40

When built

1904 Launched 14th July 1904

Do. of Bridge House

51.13

Girth of Half Midship Frame (as per Rule)

50.22

By whom built

W. Pickersgill & Sons

Do. of Forecastle

139.09

deduct 7 feet

103.99

Owners

Lancashire Shipping Co. Ltd.

Do. of Houses on Dk.

27.48

1st Number

96.99

Managers

James Chambers & Co.

Do. of excess of Hatchways

117.08

Length on deck from after part of stem to fore part of stern post

379.0

Residence

375 King St. Liverpool

Do. above Crown of Engine Room

4399.37

2nd Number

36759.21

Port belonging to

Liverpool

Gross Tonnage

222.95

Proportions—Breadth to Length

7.77

Destined Voyage

Galveston via

Less Crew Space

117.08

Depth to Length—Upper Deck to top of Keel

12.88

Main Deck ditto

Built under Special Survey

Less above Crown of Engine Room

4059.34

Length on Deck

379 0

BREADTH—

Moulded

48 9

DEPTH, ACTUAL

Top of Floors to top of Upper Dk. Beams

25 8

No. of Decks with flat laid

Two

Less Engine Room

51.62

Do. do.

do.

do.

Main Dk. Beams

17 8

No. of Tiers of Beams

Two

Round of Upper

Dk. Beam, Actual

11 1/2

Less Navigation Spaces

117.08

Register Tonnage

2717.00

Length of Ship per Register

381.4

breadth

49.0

depth

25.7

Moulded depth, ft.

28

Register Tonnage

2717.00

FRAMING.

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Length on Deck

379 0

BREADTH—

Moulded

48 9

DEPTH, ACTUAL

Top of Floors to top of Upper Dk. Beams

25 8

No. of Decks with flat laid

Two

er Rule

379 0

Moulded

48 9

Do.

do.

do.

do.

Main Dk. Beams

17 8

No. of Tiers of Beams

Two

ms of Ship per Register

Length

381.4

breadth

49.0

depth

25.7

Moulded depth, ft.

28

ins.

To Upper Dk.

Round of Upper

FRAMING.

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

E. Angle

9 1/2

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

amidsips

9 1/2

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

or 1/2 at each end

9 1/2

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

a way of Double Bottoms

3 1/2

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

at Intermdt. Bkts.

5 1/2

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

of Frames from moulding edge to

24

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

ling edge, all fore and aft

3 1/2

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

ISED FRAMES, Angles 14. 4x3 1/2x9

9 1/2

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

FRAMING, depth of girder

44

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

RS, depth and thickness of Floor Plate

8x10

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

in way of Engines and Boilers

8x10

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

thickness at the ends of vessel

as per approved plan

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

depth at 1/2 the half breadth, as per Rule

8x10

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

height extended at the Bilges

8x10

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

RS & BRACKETS in Cell Dble Bottoms

48

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Distance apart

48

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

RE GIRDER, in Double bottom, depth

44

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

Inches in Ship

PLATING.								RIVETING.																																	
AS IN SHIP.						PER RULE OR AS APPROVED.		EDGES.				BUTTS.																													
STRAKES.		AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Single or Double.		Breadth of Lap.		RIVETS.		Double or Treble and for what Length.		RIVETS.		STRAPS.		IF LAPPED:																			
Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Inches.	Diam.	Spacing cr. to cr.	Inches.	Diam.	Spacing cr. to cr.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	For what Length.																				
Inches.	16ths	Inches.	16ths	Inches.	16ths	Inches.	16ths	Inches.	16ths	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	16ths	Inches.	16ths	Inches.	Feet.																				
FLAT PLATE KEEL.....																						38	22	14	14	38	22	Double	6 1/2	1 1/8	4	Quad	7 1/2	1 1/8	3 1/2	✓	✓	16	7 1/2		
GARBOARD OF A STRAKE ...																						36	16	13	13	36	16	"	6 1/2	1	4	Treble	"	1	3 1/2	✓	✓	14	"		
State actual thickness in way of Double Bottom.																						46	13	10	13	46	13	"	5 1/4	7/8	3 1/2	"	"	7/8	3 1/2	✓	✓	9	"		
B " "																						54	12	9	10	54	12	"	"	"	"	"	"	"	"	✓	✓	"	"		
C " "																						46	13	10	14	46	13	"	"	"	"	"	"	"	"	✓	✓	"	"		
D " "																						54	12	9	14	54	12	"	"	"	"	"	"	"	"	✓	✓	"	"		
E " "																						46	13	11	15	46	13	"	"	"	"	"	"	"	"	✓	✓	12 1/2	9		
F " "																						53	12	9	12	53	12	"	"	"	"	"	"	"	"	✓	✓	9	"		
G " "																						44	13	10	10	44	13	"	"	"	"	"	"	"	"	✓	✓	12 1/2	9		
H " "																						52	12	9	9	52	12	"	"	"	"	"	"	"	"	✓	✓	9	"		
J " "																						46	13	10	10	46	13	"	"	"	"	"	"	"	"	✓	✓	12 1/2	9		
K " "																						54	12	9	9	54	12	"	"	"	"	"	"	"	"	✓	✓	9	"		
L " "																						46	13	10	10	46	13	"	"	"	"	"	"	"	"	✓	✓	9	"		
M " "																						53	12	9	9	53	12	"	"	"	"	"	"	"	"	✓	✓	9	"		
N " "																						44	13	10	10	44	13	"	"	"	"	"	"	"	"	✓	✓	12 1/2	9		
O " "																						51	11	7	7	51	11	"	"	"	"	"	"	"	"	✓	✓	9	"		
P " "																						52	12	7	7	52	12	"	"	"	"	"	"	"	"	✓	✓	12 1/2	9		
Q " "																																									
DOUBLING OF FLAT PLATE KEEL																						Flat Plate Keel & Garboards increased in size.																			
Length and thickness of Bilges																																									
of Sheerstrakes																																									
of Strake below																																									
POOP SIDES																						See above.																			
BRIDGE SIDES																						Lengths of shell plates = 8 frame spaces																			
FORECASTLE SIDES																																									
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.?																						Sumner's - Marston																			
Steel Plates:- Corbett, Colville & S. Durham																						Upper Deck Butts, treble riveted for full length amidship.																			
Angles:- Corbett, Colville & Glasgow																						Stringer Plate Straps, single, double or overlapped for full length amidship.																			
Iron Plates:- J. Hill																						Middle Deck Butts, treble riveted for full length amidship.																			
Has the Steel been tested as required by the Rules?																						Yes																			
FRAMES extend in one length from Centre Line to Margin Plate & thence to gunwale.																																									
REVERSED FRAMES on floors and frames extend from Centre Line to Margin Plate.																																									
Frame legs = Deep Bull angle.																																									
MASTS, SPARS, &c.																																									
Material.																						DIAMETER AND THICKNESS.																			
Total Length.																						At Partners.																			
Actual																						Heel.																			
Fore																						Hounds.																			
Main																						Head.																			
Mizen																						No. of Plates in round.																			
Lower Masts																						Number.																			
Topmasts, Yards and Remainder of Spars Pine																						Size.																			
Rigging, Material and Size, Shrouds Galvanized steel wire 5 Stays 3 1/2																						Scams.																			
Sails. One Suit of Schooner Sails, and the following spare sails																						Butts.																			
EQUIPMENT No. 45092 LETTER Y. Old Table ANCHORS. Mechanical Tests:- J. Meyer 24-8-03.																																									
Number of Certificate.																						Where and when tested and Superintendent.																			
Anchors.																						Weight, Ex. Stock.																			
Weight of Stock.																						Test, per Certificate.																			
Weight Required by Table 22.																						Description of Anchor.																			
Makers.																																									
5103 1st Bower																						Taylor's Patent S. Taylor & Son, L.P.H.S. 11-6-04																			
5106 2nd "																						" " " " 13-6-04 J. Relf																			
5105 3rd "																						" " " " " " "																			
Collective weight.																						166 3 0																			
4924 Stream																						Common " " " " 29-8-04																			
5042 Kedge																						" " " " 26-5-04																			
CHAIN CABLES.</																																									

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

M-12th Dec/03. M-14th Jan/04. M-12th Feb. M-19th Feb. E-16th Mar. M-15th April. M-20th April
Workmanship. Are the butts of plating planed or otherwise fitted? *Planed & overlapped* M-22nd April. M-4th June
Is the riveted work properly closed? *yes* M-26th & 29th Aug 1904

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? *Very few*

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

This vessel has been constructed in accordance with the approved plans. The Secretary's Letter as mentioned above & in other respects in compliance with the requirements of the Rules. The material & workmanship are good. Wood ceiling is fitted on the tank top in way of hatchways & at bilges only. See Letter from Owners attached.

The Freeboard assigned in the Secretary's Letter dated 16th August has been duly marked & verified on the vessel's side. Sunderland Freeboard Report No 21919

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

None

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *ft., R.Q.D. or Break* *ft., Bridge Dk* *ft., F'castle* *ft.*
(in feet and tenths). *When the Poop is joined to the B.D., this should be distinctly stated.* *Complete Shelter 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) *2 D^{ks} (Sth) & Deep Framing & Shelter Dth (Sth)*

Official No. *118121*; Signal Letters

How are the surfaces preserved from oxidation? Inside *Cement & paint* Outside *Paint*

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

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>118</i>	<i>341</i>	Fore peak tank,	<i>-</i>	<i>105</i>
Double bottom, under Engines and Boilers,			After peak tank,	<i>-</i>	<i>180</i>
Double bottom, if under Engines only,	<i>24</i>	<i>86</i>	Midship deep tank,	<i>32</i>	<i>785</i>
Double bottom, if under Boilers only,	<i>20</i>	<i>71</i>	Other tanks, if fitted,		
Double bottom, forward,	<i>168</i>	<i>484</i>	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

State whether the above have been tested as required by the Rules

yes

Order for Special Survey No *4471*

Date *20-1-04*

No. *1414* in builder's yard.

DATES OF SURVEYS
held while building

1904-Jan. 25, 27, 28, Feb. 1, 12, 19, 22, 26, Mar. 4, 8, 10, 14, 15, 18, 21, 25, 28, 29, 31, Apr. 7, 12, 15, 16, 19, 21, 22, 27, 29, May 2, 4, 9, 13, 16, 18, 26, 30, June 1, 6, 7, 10, 14, 16, 17, 24, 27, 28, July 4, 5, 6, 8, 12, 14, 19, 21, 26, 27, 29, Aug. 4, 5, 8, 10, 16, 19, 23, 25, 30, 31, Sept. 1, 2.

Total No. of Visits *69*

The amount of Entry Fee.....£ *5* : *0* : *0*
Special Survey Fee ...£ *126* : *9* : *6*
Travelling Expenses, if any £ : :

Fees applied for,

13 9 18

Received by me,

67 10 18

Certificate to be sent to *Sunderland*

State whether the Vessel has been built under Special Survey

I am of opinion this Vessel should be Classed

100 A1 Shelter Dth

George Harrison JSShute

With, or without, Freeboard, as condition of Class

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

Committee's Minute

TUES. 4 OCT 1904

Character assigned

*100 A1 (Sth)
Shelter OK with fbs*

Lloyd's AACP + LMC 8.04

Write sp.

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