

3 Decks.

IRON OR STEEL STEAMER.

Received at London Office.

1002. 8 MAR 1904

Date of completion of report

Survey held at

On the Steel Screw Steamer "CLIFTON"

TONNAGE under
Tonnage Deck...
Do. between Tonnage Dk. and 3rd and 4th Dk.
Total under Upper Dk. 3406.05Do. of Poop
Do. of Bridge House 5.82
Do. of Forecastle 62.82
Do. of Houses on Dk. 92.61excess of Hatchways
over Crown of
the Room...
Tonnage 3591.99Free Space 80.13
above Crown of
the Room...
Tonnage 3494.22Engine Room 1149.44
Navigation Spaces 49.11
Tonnage 2313.31

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

March 7th 1904 Port of Sunderland

Date, First Survey

22 May 1903

Last Survey

29th February 1904

Rig Schooner

No. 21708

THREE DECKED VESSEL.

CLASS 100A1

FEET.

Half Breadth (moulded) 23.40

Depth from upper part of Keel to top of Upper Deck Beams 28.29

Girth of Half Midship Frame (as per Rule) 47.00

deduct 7 feet 7.00

1st Number 91.69

Length on deck from after part of stem to fore part of stern post 338

2nd Number 30.991

Proportions—Breadth to Length 7.22

Depth to Length—Upper Deck to top of Keel 11.94

Main Deck ditto

Destined Voyage Newport

Master H. Denyer

Year of appointment

(1) As Master in service of owner of present vessel—1904
(2) As Master of this vessel—1904

Built at Sunderland

When built 1904 Launched 31 Decr 1903

By whom built Messrs Short Bros & Co.

Owners Webster & Barraclough

Managers

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

Residence West Hartlepool

Port belonging to West Hartlepool

Surveyed while Building, Afloat, and in Dry Dock Building

Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with flat laid
338	0	Moulded	46	9 1/2	Top of Floors to top of Upper Dk. Beams	24	9 1/2	one
					Do. do. do. do. Main Dk. Beams			two

Dimensions of Ship per Register, Length 340.0 breadth 47.3 depth 24.85. Moulded depth, ft. 27 ins. 4 To Upper Dk. Round of Upper Dk. Beam, Actual 11 1/2 ins.

FRAMING.						FORGINGS or CASTINGS.						Inches in Ship.		Inches per Rule.	
												Inches in Ship.		Inches per Rule.	
KEEL, Bar or Side Plates, depth and thickness						STEM, moulding and thickness						11 x 2 3/4		11 x 2 3/4	
STERN-POST for Rudder do. do.						" for Propeller						11 x 6 1/2		11 x 6 1/2	
MAIN PIECE of Rudder, diameter at head						" do. at heel						9		9	
RUDDER, how constructed						Can the Rudder be unshipped afloat?						yes.			
KEELSONS & STRINGERS.												Inches in Ship.		Inches per Rule.	
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						BILGE STRINGER Angles						" Bulb Plate for length		" Intercoastal Plate for length	
" Attached to outside Plating with Angle						SIDE STRINGER Angles						" Bulb or Intercoastal Plate, for full lng.		" Attached to outside plating with Angle	
Upper Deck Stringer Plates, br'dth & thickness						" Angle on ditto						" Tie Plates fore and aft, outside Hatchways		" Deck, * Iron or Steel, for full lng.	
" Wood Deck. Material and thickness						Middle Deck Stringer Plate, br'dth & thickness						" Angles on ditto, No. two		" Tie Plates outside Hatchways	
" Diagonal Tie Plates on Bms., No. of prs.						" Deck, * Iron or Steel, for full lng.						" Wood Deck. Material and thickness		Lower Deck Stringer Plate, br'dth & thickness	
" Angles on ditto, No.						" Tie Plates, outside Hatchways						" Deck, * Material and thickness		Hold, or Orlop Stringer Plate, br'dth & thckn's	
" Angles on ditto, No.						" Tie Plates outside Hatchways						" Deck. Material and thickness		Poop Deck Stringer Plate, breadth & thickness	
" Angle on ditto						" Tie Plates						" Deck. Material and thickness		Bridge Deck Stringer Plate, br'dth & thickness	
" Angle on ditto						" Tie Plates						" Deck. Material and thickness		Forecastle Deck Stringer Plate, br'dth & th'kns	
" Angle on ditto						" Tie Plates						" Deck. Material and thickness		BULKHEADS.	
" Angle on ditto						" Tie Plates						" Deck. Material and thickness		W. T. BULKHEADS	
" Angle on ditto						" Tie Plates						" Deck. Material and thickness		PARTITION	
" Angle on ditto						" Tie Plates						" Deck. Material and thickness		LONGITUDINAL	
" Angle on ditto						" Tie Plates						" Deck. Material and thickness		Are the outside Plates doubled two spaces of Frames in length?	
" Angle on ditto						" Tie Plates						" Deck. Material and thickness		Are the Hatch Valves and Watertight Doors in efficient working order?	
" Angle on ditto						" Tie Plates						" Deck. Material and thickness		yes.	

PLATING.								RIVETING.											
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.			BUTTS.									
	AMIDSHIP.		FORWARD.		AFT.		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 or to cr.		Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what Length.		
FLAT PLATE KEEL.....	48	19	13	13	48	19	Double	6"	1	4	Treble	1	3 1/2	19	14 1/2	✓	✓		
GARBOARD OR A Strake...	60	14	12	12	60	14	"	5 1/4	7/8	3 3/4	Quad.	1	3 1/2	"	"	14	Full length		
State actual thickness in way of Double Bottom.																			
B "	60	11	9	9	60	11	"	"	"	"	do.	7/8	3 3/8	"	"	12	"		
C "	60	11	9	9	60	11	"	"	"	"	do.	"	"	"	"	"	"		
D "	60	12	9	9	60	12	"	"	"	"	do.	"	"	"	"	3/8 length	"		
E "	54	12	9	9	54	12	"	"	"	"	do.	"	"	"	"	Full length	"		
F "	54	12	9	9	54	12	"	"	"	"	Treble	"	"	"	"	9	"		
G "	54	12	9	9	54	12	"	"	"	"	Quad.	"	"	"	"	12	"		
H "	54	12	9	9	54	12	"	"	"	"	Treble	"	"	"	"	9	"		
J "	57	12	9	9	57	12	"	"	"	"	Quad.	"	"	"	"	12	"		
K "	54	12	9	9	54	12	"	"	"	"	Treble	"	"	"	"	9	"		
SHEER L "	44	13	10	10	44	13	"	"	"	"	Quad.	"	"	"	"	12	"		
M "	50	10	7	7	50	10	"	"	"	"	Treble	"	"	"	"	9	"		
N "	42	11	7	7	42	11	"	"	"	"	do.	"	"	"	"	9	"		
O "																			
P "																			
Q "																			
R "																			
DOUBLING of Flat Plate Keel	✓																		
Length and thickness of Bilges	✓																		
of Sheerstrakes	✓																		
of Strake below	✓																		
POOP SIDES	7/20																		
BRIDGE SIDES	10 9 11 20																		
FORECASTLE SIDES	7/20																		

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. *Siemens-Martin Steel plates by Consett & Co. & South Durham Iron plates by South Durham Steel bars by Palmers & Consett*

Has the Steel been tested as required by the Rules? *yes.*

Upper Deck (Butts, treble riveted for *1/2* length length amidship. Stringer Plate (Straps, single, double or overlapped for *full* length amidship. Middle Deck (Butts, treble riveted for *full* length amidship. Stringer Plate (Straps, single, double or overlapped for *full* length amidship. Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted? *Treble*. Inner Bottom Plating, riveting of Edges *Double & single* Butts *double & single*. Centre Girder Butts, *treble* riveted Keelson Butts, *✓* riveted. Frames, riveted through Plates with *7/8* in. Rivets, about *6 1/4* apart. Rivets, state whether Iron or Steel *Iron*

FRAMES extend in one length from *Keel* to *Margin plate, thence to gunwale*

REVERSED FRAMES on floors and frames extend from *Keel to Margin plate, thence bulk-head frames*

MASTS, SPARS, &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	Steel	54' 0"	18 1/2 x 7/8	17 1/2 x 1/2	16 x 1/4	13 x 1/4	2	✓	✓	Single	Treble
Main	"	56' 0"	"	"	"	"	"	✓	✓	"	"
Mizen	"	"	"	"	"	"	"	✓	✓	"	"
Bowsprit											
Topmasts, Yards and Remainder of Spars	<i>pine</i>										
Rigging, Material and Size, Shrouds	<i>galvanized wire 4</i>										
Sails.	<i>one</i>	<i>Suit of fore & aft</i>									

EQUIPMENT No. 3776 LETTER W																
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.	qrs.	lbs.	Cwts.	qrs.			
4104	1st Bower	50	3	0	-	-	-	42	16	3	14	50	0	0	Byers Blackless	W.L. Byers & Co. L.P.H.S. 30/03. W.J. Kemp
4172	2nd "	50	2	21	-	-	-	42	16	3	14	50	0	0	"	" 10/03 "
4143	3rd "	42	2	0	-	-	-	37	10	0	0	42	2	0	"	" 20/03 "
	4th "															
	Collective weight	143	3	21								142	2	0		
50623	Stream	12	0	3	3	0	16	13	19	2	21	12	0	0	Iron Stock	G. Hartshorne L.P.H.N. 28/03. H. Green
50622	Kedge	6	0	25	1	2	20	8	10	0	0	6	0	0	"	" " " "

** Mechanical tests applied by K. Harris 15-9-03, J. Schable 26-6-03 & M. Koch 29-5-03.*

CHAIN CABLES.													
Number of Certificate.	Fathoms.	Size.	Test per Certificate, Tons.	WEIGHT OF CHAIN CABLE.		Fathoms and Size per Table 22.	Description.	Makers of Cables.	When and where tested, and Superintendent.	HAWERS AND WARPS.			
				Supplied.	Per Table 22.					Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.
35772	270	2 1/2	107-2-0-0 76-10-0-0	576-1-26	473-2-14	270-2 1/2	Steel Link	G. Hartshorne 27/03. L.P.H.N. H. Green					
Iron Stream Chain or Steel Wire	90	4 1/2	39			90-4 1/2							

Boats *Four boats*

Pumps, Number *Sourdon type 4 1/2 x 5 in for peak* Diameter of Barrel *✓* State whether they are in efficient working order *yes*

Windlass is *Emerson Walker & Thompson 13rd* Capstan

Engine Room Skylights.—How constructed? *Steel plates and bars*

What arrangements for deadlights in bad weather? *Steel flaps*

Coal Bunker Openings.—How constructed? *Steel couplings* How are lids secured? *battens & cleats* Height above deck? *18*

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *Two each side in well and two ports 48" x 15"*

Ceiling in Holds, thickness and material *2 1/2 white wood* Ceiling 'tween Decks, thickness and material *2" battens*

Cargo Hatchways.—How formed? *Steel plates & bars, usual construction* Hatches, If strong and efficient? *yes*

State size No. 1 Hatch (Forward) *24' 0" x 15' 8"* No. 2 Hatch *26' 0" x 15' 8"* No. 3 Hatch *26' 0" x 15' 8"* No. 4 Hatch *24' 0" x 15' 8"*

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *Two webs and three fore rafters in each hatch.*

Bulwarks, height above deck and description *4' 6" plates & stays* No. of Breasthooks *Eight* No. of Crutches *Deep floors*

The above is a correct description. *FOR SHOR* Main Rail, material and size *6 x 3 x 7/8 hull angle steel*

Builder's Signature (here only) *Wm. Shor* Surveyor's Signature *Wm. Shor* Surveyor to Lloyd's Register

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

(M) 28 July 03. (M) 3-10-03. (E) 5-8-03. and (M) 3 July 03.

Workmanship. Are the butts of plating planed or otherwise fitted? *planed and overlapped.*

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

from the faying surfaces? *yes.*

Are the rivet holes well and sufficiently countersunk in the plate and punched

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. *good.*

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

State results of tests *good.*

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

This vessel is built in accordance with the approved plans the Secretary's letters dated as above stated, and in other respects in conformity with the Rules. The materials and workmanship are good throughout.

The freeboard assigned by the Committee is marked on the sides of the vessel.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *and* ft., R.Q.D. or Break *ft.*, Bridge Dk. *27.5* ft., F'castle *31* ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *Poop is joined to bridge. See letter 9/3/04 attached.*

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) *10" (PI IRN) (PI STL) 2 tiers beams and web frames.*

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside *Portland cement & paint* Outside *paint*

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

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>114</i>	<i>369</i>	Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,	<i>16</i>	<i>57</i>
Double bottom, if under Engines only,	<i>24</i>	<i>74</i>	Midship deep tank,		
Double bottom, if under Boilers only,			Other tanks, if fitted,		
Double bottom, forward,	<i>136</i>	<i>372</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. *4441*

Date *11.6.03.*

No. *314* in builder's yard.

DATES of Surveys held while building

1903- May 22 Jul 3 7 17 21 27 31 Aug 5 7 10 14 31 Sep 3 7 9 10 14 15 16 18 21 23 24 25 29 30 Oct 1 2 5 6 9 12 13 15 16 20 21 22 26 28 29 Nov 2 4 6 10 13 17 21 24 26 30 Dec 8 16 17 21 23 24 30 31 - 1904- Jan 5 6 8 11 26 29 Feb 2 5 9 11 15 16 18 19 22 23 24 25 29

Total No. of Visits *78*

The amount of Entry Fee. £ *5* : 0 : 0

Special Survey Fee £ *112* : 7 : 0

Travelling Expenses, if any £ : :

Fees applied for,

7.3.1904

Received by me,

9.3.18

Certificate to be sent to

Cumberland

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

I am of opinion this Vessel should be Classed *100 A.1 STEEL L.A.C.P.*

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

Alampseerholm

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

Committee's Minute

FRI. 11 MAR 1904

Character assigned

Lloyds A & C P

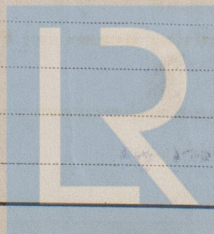
100 A.1 Steel w. fbd. 2.3.11 1/2

+ Linc 2,04

Q/

Certificate Issued.

11/3/04



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