

No. 34431.

CLASS *100 A 1*



NWC 851-0048 1/2

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 or.		Diam.	Spacing or. to or.	Breadth.	Thick-ness.	Breadth.	For what Length.	
		Inches.	16ths or 20ths.	16ths or 20ths.	16ths or 20ths.	Inches.	16ths or 20ths.		Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	Inches.	Inches.		Feet.
FLAT PLATE KEEL.....		42	18	14	14	36	18	double	6	1	4	treble	1	3 1/2	19	22		Full	
(If Bar Keel, state Riveting)...		55	14	13	14	55	14	"	6	1	4	"	1	3 1/2	-	-	10 1/2	"	
GARBOARD OR A Strake ...		46	13	10	16	46	13	"	5 1/4	4/8	3 3/4	"	4/8	3 1/8	-	-	9	"	
State actual thickness in way of Double Bottom.		54	13	11	16	54	13	"	5 1/4	4/8	3 3/4	"	4/8	3 1/8	-	-	9	"	
B " ...		58	13	11	16	58	13	"	5 1/4	4/8	3 3/4	quad	4/8	3 1/8	-	-	11	"	
C " ...		54	15	12	15	54	15	"	5 1/4	4/8	3 3/4	treble	4/8	3 1/8	-	-	9	"	
D " ...		46	15	12	15	46	15	"	5 1/4	4/8	3 3/4	"	4/8	3 1/8	16 3/4	19	9	"	
E " ...		54	14	11	14	54	14	"	5 1/4	4/8	3 3/4	"	4/8	3 1/8	-	-	9	"	
F " ...		46	15	12	15	46	15	"	5 1/4	4/8	3 3/4	"	4/8	3 1/8	-	-	9	"	
G " ...		54	14	11	14	54	14	"	5 1/4	4/8	3 3/4	"	4/8	3 1/8	-	-	9	"	
H " ...		46	15	12	15	46	15	"	5 1/4	4/8	3 3/4	"	4/8	3 1/8	-	-	9	"	
J " ...		54	14	11	14	54	14	"	5 1/4	4/8	3 3/4	"	4/8	3 1/8	-	-	9	"	
K " ...		46	14	11	11	46	14	"	5 1/4	4/8	3 3/4	"	4/8	3 1/8	-	-	9	"	
L " ...		55	14	11	11	55	14	"	5 1/4	4/8	3 3/4	"	4/8	3 1/8	-	-	9	"	
M " ...		47	14	11	11	47	14	"	5 1/4	4/8	3 3/4	"	4/8	3 1/8	-	-	9	"	
N " ...		55	13	10	10	55	13	"	6	1	4	"	4/8	3 1/8	16 3/4	14	9	"	
O " ...		48	15	12	12	46	15	"	6	1	4	"	1	3 1/2	19	11 1/2	9	"	
P " ...																			
Q " ...																			
R " ...																			
DOUBLING of Flat Plate Keel		30	14	for	1/2 length							treble	1	3 1/2	19	14			
Length and thickness of Bilges.....																			
Length and thickness of Sheerstrakes.....																			
Length and thickness of Strake below.....		44	14	for	3/4 length							"	4/8	3 1/8	16 3/4	14			
POOP SIDES.....																			
BRIDGE SIDES.....																			
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.?
Henry's Marten Steel
Corbett & Co. Palmer's & Co.
J. Spencer & Sons Stockton N.E. & Co.
Iron by Stockton, N.E. & Co.

Upper Deck (Butts, treble riveted for *Full* length amidship.
Stringer Plate (Straps, single, double or overlapped for *1/2* 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?
Inner Bottom Plating, riveting of Edges *double* Butts *double*
Centre Girder Butts, *treble* riveted Keelson Butts, *treble* riveted.
Frames, riveted through Plates with *18 1/2* in. Rivets, about *4 1/4* apart.
Rivets, state whether Iron or Steel *Iron*

FRAMES extend in one length from *Keel to Bilge and Bilge to Gunwale*
REVERSED FRAMES on floors and frames extend from *Upper deck all fore & aft, Alternately to Forecastle deck in way of same*

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	95	22 x 10 1/2	21 x 8 1/2	22 x 8 1/2	18 x 8 1/2	2	-	-	double	treble
	Main	91	26 x 10 1/2	21 x 8 1/2	22 x 8 1/2	17 x 8 1/2	2	-	-	double	treble
Bowsprit	Fore	68	22 x 10 1/2	21 x 8 1/2	22 x 8 1/2	17 x 8 1/2	2	-	-	double	treble
Topmasts, Yards and Remainder of Spars	<i>Pitch pine Yards on Fore Mast only</i>										
Rigging, Material and Size, Shrouds	<i>Steel wire 4"</i>										
Sails.	<i>Suit of Fore</i>										
	<i>Sails, and the following spare sails 5 spare</i>										

EQUIPMENT No. *53458* LETTER *A7* ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQ. BY RULE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.		
30043	1st Bower	58	3	14	58	3	14	4 1/2	13	3	0	58	0	0	Pat. Stockton	Sunderland
30046	2nd "	58	2	14	58	2	14	4 1/2	11	1	0	58	0	0	d.	21 st Aug. 1896
30045	3rd "	56	0	14	56	0	14	4 1/2	1	2	4	55	3	0	d.	21 st Aug. 1896
29332	Collective weight	52	0	0	52	0	0	43	12	2	0	52	0	0	d.	21 st Aug. 1896
30104	Stream	225	2	14	225	2	14	223	3	0	0	223	3	0	Common	Robson
30104	Kedge	16	3	4	16	3	4	18	2	3	4	16	3	0	Common	21 st Aug. 1896
30123	2nd Kedge	8	2	4	8	2	4	10	15	0	0	8	2	0	d.	21 st Aug. 1896

CHAIN CABLES.

Number of Certificate.	Fathoms.	Size.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Fathoms and Size per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size per Rule.
				Supplied.	Per Rule.									
12342	240	2 1/2	96 1/4	220	220	240	2 1/2	Stad Hartshorne	Sunderland	TOE LINE	120	5 1/2	81	120 5 1/4
			134 1/4							HAWSER	120	5 1/2	81	90 1/4
12375	90	1 1/2	31 1/2	80	80	90	1 1/2	Stad Hartshorne	Sunderland	WARP	90	5 1/2	26	90 3 1/4
			46 1/4								90	5 1/4	22	

Boats *2 Life Boats and 3 others - Good*
Pumps, Number *11*
Windlass is *Pat. Steam by Messrs Harfield & Co* Capstan *"*
Engine Room Skylights.—How constructed? *Iron Codringtons and Lead Laps*
What arrangements for deadlights in bad weather? *Strong glass, tarpaulins &c*
Coal Bunker Openings.—How constructed? *Cast Iron* How are lids secured? *Locked* Height above deck? *4 ft*
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *1 scupper with non return valve affordingly deck*
Ceiling in Holds, thickness and material *2 1/2 pine &c* Ceiling 'tween Decks, thickness and material *2 pine &c*
Cargo Hatchways.—How formed? *Steel Codringtons* Hatches, If strong and efficient? *Yes*
State size No. 1 Hatch (Forward) *20' 0" x 24' 0"* No. 2 Hatch *20' 0" x 24' 0"* No. 3 Hatch *20' 0" x 24' 0"* No. 4 Hatch *20' 0" x 24' 0"*
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *Web and 2 Iron for afters to each Hatch*
No. 5 Hatch *20' 0" x 24' 0"* No. of Breasthooks *8* No. of Crutches *5*
Bulwarks, height above deck and description *Bridge side & stringer continuous* Main Rail, material and size *Reds & Stauchions*
The above is a correct description *Attest*
Builder's Signature (here only) *Attest* Surveyor's Signature *James M. Neill* 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 this case) 4/1/96

28/1/96; 31/1/96; 19/2/96; 28/2/96; 29/1/97

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

to plate, &c., conform well to each other? Yes

from the faying surfaces? Yes

Do the holes for riveting plate to frames, butt straps, or plate

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

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

General Remarks (State quality of workmanship, &c.) This Steel Green Steamer has been built in accordance with the copy of the approved amended Midship Section forwarded to London on the 9th inst. and a plan attached to Report on S.S. "Commall" the Secretary's letters and in other respects with the Rules for the 100 A 1 "Steel" Class. And the materials and workmanship throughout are good. The decks and waterways have been tested by water and found efficient. The pumps, valves and water tight doors have been examined and tested and found in good working order. No. 1, 2 & 3 Holds and inner decks insulated for carrying Frozen Meat: the steel work in way of same has been examined carefully, cleaned and painted with 3 coats before the insulating linings were fitted. No. 1 Hold 45.820 Cub. ft. - Iron deck 25.200 Cub. ft. No. 2 Hold 53.300 Cub. ft. - Iron deck 31.020 Cub. ft. No. 3 Hold 45.120 Cub. ft. - Iron deck 29.300 Cub. ft. Total capacity = 229.960 Cub. ft. Makers, Haslam Foundry & Eng. Co. - System Air, Type Haslam. (1) System of Refrigerating - Air. (2) Insulating of chambers - Charcoal

The S.S. "Commall" Newcastle Report No. 34106
The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 45 ft., R.Q.D. or Break — ft., Bridge Dk. and ft., F' castle 355 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated. Partly connected Connected

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 Steel decks, 2 tiers of beams and deep girder frames
Official No. 108191; 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 Cellular System

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	105.0	265	Fore peak tank,	21.6	130
Double bottom, forward,	192.6	626	After peak tank,	12.6	45
Double bottom, under Engines and Boilers, H			Midship deep tank,	H	
Double bottom, if under Engines only,	22.6	93	Other tanks, if fitted,	H	
Double bottom, if under Boilers only,			(If necessary, furnish further information by sketch.)	H	

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

er for Special Survey No. <u>274</u>	DATES of Surveys held while building as per Section 18.	1st. On the several parts of the frame, when in place, and before the plating was wrought	1896 - April 13, 14, 15, 22, 23, 27, 29, 30 May 4, 6, 8, 11, 13, 15, 18, 19, 20, 28
Date <u>20-3-96</u>		2nd. On the plating during the process of riveting	June 2, 5, 10, 16, 22, 29, 30 July 2, 6, 8, 10, 13, 14, 21, 23, 25, 28, 30 Aug 5, 7, 10, 11, 13, 14, 17
er for Ordinary Survey No. <u>340</u>		3rd. When the beams were in and fastened, and before the decks were laid	20, 22, 24, 25, 26, 28, 29, 30 April 8, 10, 14, 16, 17, 21, 23, 28, 29 Oct 6, 9, 13, 19, 21, 23, 26, 28, 29 Nov 2, 3
Date <u>✓</u>		4th. When the ship was complete, and before the plating was finally coated or cemented	10, 14, 16, 17, 20, 24, 26, 27 Dec 7, 9, 16, 22, 28, 30, 31 1897 - Jan 5, 13, 15, 21, 26, 28, 29 Feb 1, 3
<u>340</u> in builder's yard.		5th. After the ship was launched and equipped	Total No. of Visits <u>95</u>

Amount of Entry Fee.....£ 5: -:-	Fees applied for,	Certificate to be sent to Newcastle on Tyne
Special Survey Fee ...£ 158: 14: 6	Received by me,	
Travelling Expenses, if any £ : :	23. 2. 18. 97	

of opinion this Vessel should be Classed * 100 A 1 "Steel" With Freeboard
or without Freeboard, as condition of Class
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute. TUES 16 FEB 1897

Character assigned
A & CP
+ 2 Mac 2, 97
7 D
Elec. light
100 A 1 Steel
Shelter etc.
with freebd. 2. 6. 4

2 Dks (Stl) + deep framing

