

Yes

~~If Surveyed while Building, Afloat, or in Dry Dock~~

Form No. 1C.

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 or. to cr.		Diam.	Spacing or. to cr.	Breadth.	Thick-ness.	Breadth.	For what Length.	
	Inches.	Plates 20ths	Sheer 20ths	Keel 20ths	Inches.	Plates 20ths		Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	Inches.	Inches.	Feet.	
FLAT PLATE KEEL	36	16	12	12	36	16	Double	6	1	4	Treble whole	1	3½	19-16¾	20-14	-	-	
(If Bar Keel, state Riveting)	54	12	11	11	54	12	"	5½	7/8	3½	" "	7/8	3½	-	-	9	whole	
GARBOARD OR A Strake	46	11	9	9	46	11	"	"	"	"	" "	"	"	-	-	"	"	
State actual thickness in way of Double Bottom.	54	10	9	9	54	10	"	"	"	"	" "	"	"	-	-	"	"	
B	46	11	9	9	46	11	"	"	"	"	" "	"	"	-	-	"	"	
C	54	10	9	9	54	10	"	"	"	"	" "	"	"	-	-	"	"	
D	46	11	9	9	46	11	"	"	"	"	" "	"	"	-	-	"	"	
E	54	12	10	10	54	12	"	"	"	"	" "	"	"	-	-	"	"	
F	46	13	10	10	46	13	"	"	"	"	" "	"	"	-	-	"	"	
G	54	12	10	10	54	12	"	"	"	"	" "	"	"	-	-	"	"	
H	46	12	9	9	46	12	"	"	"	"	" "	"	"	-	-	"	"	
J	54	11	9	9	54	11	"	"	"	"	" "	"	"	-	-	"	"	
K	46	12	9	9	46	12	"	"	"	"	" "	"	"	-	-	"	"	
Main Sheerstrake	51	13	10	10	51	13	"	"	"	"	" "	"	"	-	-	"	"	
M	45½	10	7	7	45½	10	"	"	"	"	" "	"	"	-	-	"	"	
N	40½	13	9	9	40½	13	Lower edge.	"	"	"	Treble ¾	"	"	16¾	17-11	-	-	
O	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Q	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DOUBLING of Flat Plate Keel	24	12	Half length	-	24	12	-	-	-	-	Treble	1	3½	19	16	-	-	
Length and thickness of Bilges	32	10	At ends of Bridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
of Sheerstrake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
of Strake below	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POOP SIDES	-	7	-	7	-	7	Single	2½	¾	3	Double	¾	2⅝	9¾	7	-	-	
BRIDGE SIDES	-	7	-	-	-	7	"	2½	¾	3	"	"	"	"	7	-	-	
FORECASTLE SIDES	-	-	7	-	-	7	"	2½	¾	3	"	"	"	"	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. *Siemens Martin Steel.*
Lanarkshire, Messrs. Consell & Dalgell.
Gallside and Clydebridge.
Iron - Mottel's Malleable.

Spar or Awaiting (Butts, treble riveted for *three quarters* length amidship.
Stringer Plate (Straps, single, double or overlapped for *whole* length amidship.
Main Stringer (Butts, treble riveted for *three quarters* length amidship.
Plate (Straps, single, double or overlapped for *whole* length amidship.
Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted?
Inner Bottom Plating, riveting of Edges *Single except Butts Double - 1/2 length*
Centre Girder Butts, *treble* riveted *Keelson Butts, treble* riveted.
Frames, riveted through Plates with *7/8* in. Rivets, about *6 1/2* apart.
Rivets, state whether Iron or Steel *Iron*

FRAMES extend in one length from *middle line* to *top height*.
REVERSED FRAMES on floors and frames extend from *in. to margin*, *thence alternately to main and spar decks; all to spar deck in after part, and in way of Poop & Bridge. Alternately to spar & forecastle decks. Double in way of Engine Boilers inside tanks.*

MASTS, SPARS, &c.

	Material.	Total Length	DIAMETER AND THICKNESS.			No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.		Number.	Size.	Seams.	Butts.
LOWER MASTS....	Fore	<i>Steel</i> 72" 6	22 x 7/16	17 x 1/2	-	17 x 1/2	2	-	Single	Double stitched
	Main	64" 6	22 x 7/16	17 x 1/2	-	17 x 1/2	2	-	-	-
	Mizen	-	-	-	-	-	-	-	-	-

Bowspit
Topmasts, Yards and Remainder of Spars *Pitch Pine.*
Rigging, Material and Size, Shrouds *4 in. 1/2 3/4 Gal. Skulls (Whitcomb Co.) Stays Gal. Steel Wire. Forestay, 3 1/4. Backstay, 2 1/2.*
Sails. *One* Suit of *good* Sails, and the following spare sails (*11* number)

EQUIPMENT No. 33826 LETTER "V" 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.		
26155	1st Bower	38	3	0	9	3	0	34	19	1	14	38	0	0	Rodgeri Pat	Shd 21/2/94 J. Martineau
26172	2nd "	37	1	0	9	3	0	32	8	3	0	38	0	0	"	" 21/4/94 J. Martineau
26173	3rd "	33	3	14	8	2	0	31	10	2	14	32	1	0	"	"
	Collective weight	109	3	14	-	-	-	-	-	-	-	108	1	0	-	-
26162	Stream	11	2	0	2	3	14	13	7	2	0	11	2	0	Common	" 31/3/94 J. Martineau
26161	Kedge	5	3	0	1	1	21	8	0	2	14	5	3	0	"	"
	2nd Kedge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CHAIN CABLES.

Number of Certificate.	Fathoms.	Size.	Test per Certificate, Tons.	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.									
10870	180	2	100 1/2	72	260-1-16	538-3-0	270-2	Shd. Lumsden & Co.	Shd 9/4/94	TOWLINE	120	4	33	120-4
10913	90	2	-	-	181-1-23	-	270-2	"	" 18/4/94	HAWSER	90	3 1/2	22	90-3 1/2
10915	270	-	-	-	541-3-11	-	-	"	"	WARP	90	8 1/2	-	90-8 1/2
Iron Stream Chain	90	1 1/2	38.25	78	65-0-22	65-0-16	90-1 1/2	"	" 10/4/94	Shd. Wire	10	10	12	10-12

HAWSERS AND WARPS.

Boats *Two lifeboats and 2 others.*
Pumps, Number *Hand Pumps 9 in. 1/2* Diameter of Barrel and Tail Pipe *Holds 5" 2 1/2 inch Peak 4" 2 inch.*
Windlass is *Clarke Chapman's Steam* Capstan
Engine Room Skylights. - How constructed? *Peak hatches on casing 7 ft high.*
What arrangements for deadlights in bad weather? *Thick glass, leaded eyes.*
Coal Bunker Openings. - How constructed? *Circular hatch 12" high. How are lids secured? C.I. scuttle and 24 ft. Height above deck? Circular - 12" Rectangular - 15 1/2"*
Number of Scuppers, and number and dimensions of Freeing Ports, &c. *Five and 4 mousing pipes, Before Bridge 2 in. 1/2 32" x 24"; Aft 2 in. 1/2 27" x 19" x 2 - 32" x 24"*
Ceiling in Holds, thickness and material *2 1/2 in. P.* Ceiling 'tween Decks, thickness and material *2 in. W. P.*
Cargo Hatchways. - How formed? *Plate coaming* Hatches, If strong and efficient? *Yes 30*
State size No. 1 Hatch (Forward) *22' x 16' x 24 in.* No. 2 Hatch *24' x 16' x 24 in.* No. 3 Hatch *22' x 16' x 24 in.* No. 4 Hatch *24' x 16' x 24 in.*
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *1-1-2 Web Plates 13 F. 1/2 1-2-2 Web Plates 13 F. 1/2*
Bulwarks, height above deck and description *52 in 3/20 plate* Main Rail, material and size *3 in 7 angle ball*
The above is a correct description.
Builder's Signature (here only.) *A. Rodger & Co.* Surveyor's Signature *S. A. Mash* *Ch. Burney*
Surveyor to Lloyd's Register of British & Foreign Shipping.

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

M. 28th June; M. July 5th; E 26th Oct 1894; M. 19th Feb

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

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?

Yes several

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

Yes

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

The workmanship is good, and the vessel has been constructed in accordance with the approved plans (5 in N^o) which with two certificates of forgings and one of steel wire rigging are forwarded herewith.

The hand pumps, tunnel and decks tested by water as required and found satisfactory.

The sluice valves are in good order and are now altered to work above the load water line.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 27.0 ft., R.C.D. or Break ft., Bridge Dk. 84. ft., F'castle 29. ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated.

1 Ok (Std) & Spar Ok (Iron) Deep framing.

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).

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside Portland Cement or Paint Outside Paint

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

Yes

Where fitted.	Length.		Water Capacity.	Where fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	94	207	Not used for ballast	Fore peak tank,	-	-	66
Double bottom, forward,	138	364		After peak tank,	-	-	
Double bottom, under Engines and Boilers,				Midship deep tank,			
Double bottom, if under Engines only,				Other tanks, if fitted,			
Double bottom, if under Boilers only,				(If necessary, furnish further information by sketch.)			

State whether the above have been tested as required by the Rules. All including fore peak tested as required

Order for Special Survey No. 488

Date 11th Aug 1894

Order for Ordinary Survey No.

Date

No. 0305 in builder's yard.

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
- 2nd. On the plating during the process of riveting
- 3rd. When the beams were in and fastened, and before the decks were laid
- 4th. When the ship was complete, and before the plating was finally coated or cemented
- 5th. After the ship was launched and equipped

Built under Special Survey, First Survey Sept. 22nd 1893 - Last Survey June 26th 1894

Total No. of Visits 75

The amount of Entry Fee £ 5 : : :
Special Survey Fee £ 102 17 : :
Travelling Expenses, if any £ : : : -

Fees applied for,

18.

Received by me,

31/7/94

Certificate to be sent to

Greenock

I am of opinion this Vessel should be Classed
With or without Freeboard, as condition of Class

100 A.1. Steel Spar Deck

S. J. Nash

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

Committee's Minute

Character assigned

FRI 6 JUL 1894

100 A.1. Steel Spar Deck

This vessel appears to have been built in accordance with the Rules and the approved plans, and it is submitted she is eligible to be classed 100 A.1. ("Steel") "Spar Deck" as recommended.

+ 100 A.1. ("Steel") "Spar Deck"

1 SR (Std) & Spar Ok (Iron) & deep framing

N.B. = C.W.D.B. 94' x 138' 571.5 APT. 666

F.K. Comm.

2019

Lloyd's Register Foundation

Copy of Certificate 10/4/100

GRH 328-0104 C2/2