

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 cr. to cr.		Diam.	Spacing cr. to cr.	Breadth.	Thick-ness.	Breadth.	For what Length.		
	Inches.	1/2 or 20ths	1/2 or 20ths	1/2 or 20ths	Inches.	1/2 or 20ths			Inches.	Inches.		Inches.	Inches.	Inches.	Inches.	Inches.	Feet.		
FLAT PLATE KEEL.....	60	25	15	15	60	25	double	6 3/4	1 1/8	3 1/2	Quad	1 1/8	3 1/2	32 x 25	198/16	double straps	11		
(If Bar Keel, state Riveting)	68	15	14	14	68	15	" "	6	1	3/4	" "	1	3/4	24	1199	" "	" "		
GARBOARD OR A Strake...	68	14	14	11	68	14	" "	6	1	"	" "	1	"	"	1099	" "	" "		
State actual thickness in way of Double Bottom.	B	42	13	10	10	42	13	" "	5 1/4	7/8	2 7/8	" "	7/8	3	23	" "	" "		
C	54	13	10	10	54	13	" "	6	1	3/4	" "	1	3/4	24	1199	" "	" "		
D	48	14	11	11	48	14	" "	"	"	"	" "	"	"	"	"	"	"		
E	42	15	12	12	42	15	" "	"	"	"	" "	"	"	"	"	"	"		
F	56	14	11	11	56	14	Treble	8 1/2	"	"	" "	"	"	"	1019	" "	" "		
G	69	13	10	10	69	13	" "	7 1/2	7/8	2 7/8	" "	7/8	3	"	"	12	"		
H	40	13	10	10	40	13	" "	8 1/2	1	3/4	" "	"	"	"	"	12	"		
J	69	14	10	10	69	14	" "	"	1	3/4	" "	1	3/4	"	"	14	"		
K	69	15	12	12	69	15	double	6	1	"	" "	"	"	"	"	"	"		
L <i>Misc.</i>	69	15	12	12	69	15	" "	"	"	"	" "	"	"	"	"	"	"		
M	50	14	11	11	50	14	" "	"	"	"	" "	"	"	24	1199	double straps	"		
N <i>Sheer</i>	48	15	12	12	48	15	" "	"	"	"	" "	"	"	"	"	14	"		
O <i>Sheer deck</i>	50	14	11	11	50	14	" "	"	"	"	" "	"	"	24	1199	double straps	"		
P	50	15	12	12	50	12													
Q																			
R																			
DOUBLING of Flat Plate Keel																			
Length and thickness of Bilges.....																			
of Sheerstrakes.																			
of Strake below																			
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. *Open Hearth Process*

Plates, Bolts, Nuts, Washers, Screws, Rivets, &c. made by

Angels, Palmers, Gossell, Steel Coy Scotland, Dorman, Lang

Butts & Channels, Cargo Steel Iron, Lang, Palmers, Gossell, Dorman, Lang.

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

Shelter Deck double straps riveted for 3/4 length amidship.

Upper Deck (Butts, riveted for 3/4 length amidship.

Stringer Plate Straps, single, double or overlapped for full length amidship.

Middle Deck (Butts, riveted for 3/4 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 Butts treble

Centre Girder Butts, riveted Keelson Butts, treble riveted.

Frames, riveted through Plates with 7/8 in. Rivets, about 5 apart.

Rivets, state whether Iron or Steel steel of best test mild quality

FRAMES extend in one length from *Middle Line Bulkhead to Main deck in way of Oil Compartment in way of copper dam ends to Shelter deck.*

REVERSED FRAMES on floors and frames extend from *Bulwark framing Reverse angles on floors extending to the upper turn of the Bilge.*

MASTS, SPARS, &c.											RIVETING.			
	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		Seams.	Butts.			
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.					
LOWER MASTS.....	Fore	<i>Steel</i>	<i>46(91')</i>	<i>22 x 7/20</i>	<i>20 1/2 x 7/20</i>	<i>18 x 4/20</i>	<i>8 1/4 x 7/20</i>	<i>Two</i>		<i>double</i>	<i>treble</i>			
	Main	" "	<i>44(92')</i>	" "	" "	" "	" "			"	"			
	Mizen.....													
Bowsprit.....														
Topmasts, Yards and Remainder of Spars														
Rigging, Material and Size, Shrouds <i>Steel shrouds 4 pair each Mast. 2 1/2</i> Stays <i>3 & 2 1/4</i>														
Sails. <i>a. complete</i> Suit of <i>stay and beryals</i> Sails, and the following spare sails. <i>—</i>														

EQUIPMENT No. 58758 LETTER e+										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.			
34399	1st Bower ...	62	0	21	15	2	0	49	12	2	0	61	2	0	Graham's	Septon 26 Nov 1908
34398	2nd „ ...	61	3	0	15	2	14	49	6	3	14	61	2	0	“	“
34399	3rd „ ...	61	2	18	15	2	10	49	6	3	14	52	2	0	“	“
	4th „ ...															C. E. Perrins Supt.
	Collective weight	185	2	11								185	2	0		
34341	Stream	23	2	16	6	1	0	23	11	3	14	22	0	0	ordinary	Septon 13 Nov. 1908
34342	Kedge.....	12	1	0	3	0	4	14	1	3	14	10	0	0	“	26 Nov 1908
																C. E. Perrins Supt.

CHAIN CABLES.										HAWSERS AND WARPS.					
Number of Certificate.	Fathoms.	Size.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Fathoms and Size per Table 22.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size per Table 22.	
				Supplied.	Per Table 22.										
8634	300	2 1/2	106.9	906.10	890.1.14	300	2 1/2	Steel	Coventry 26 Nov 08	TOWLINE	130	7/2	128	130	5 3/4
			149.38						G. W. Pennell	HAWSER	90	3 1/2	26		
										WARP	40	90	9		
											52	100	8		42 Nov 08
											20	90	7		
Iron Stream Chain or Steel Wire	120	5 1/2	85			120	5 1/2	Steel wire							

Boats *4 life boats 26' x 7' 6" x 3' 4", 1 Cig 18' x 5' 6" x 2' 2" 1. Jolly 16' x 5' 3" x 2' 0.*

Pumps, Number *Old steam engine in all compartments.* Diameter of Barrel State whether they are in efficient working order

Windlass is *Blacke Chapman for steam and Hand Capstan none*

Engine Room Skylights.—How constructed? *of Steel on top of casing 8 feet above Shelter deck.*

What arrangements for deadlights in bad weather? *none*

Coal Bunker Openings.—How constructed? *steel casing.* How are lids secured? *2 1/2 Solid lids. Catwired* Height above deck *30' above Shelter deck*

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *4 Scuppers on each side. Open Bulwarks on Shelter deck.*

Ceiling in Holds, thickness and material *portable 2 1/2 pine* Ceiling 'tween Decks, thickness and material *steel Cope iron*

Cargo Hatchways.—How formed? *Steel with round corners.* Hatches, If strong and efficient? *yes*

State size No. 1 Hatch (Forward) *8 ft 9 in* No. 2 Hatch *Hatchways* No. 3 Hatch *each* No. 4 Hatch *10 ft 10 x 26 ft 0.*

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *One Fore and Aft. Web plate & 4 Ball angle fore and afters*

in each Hatchway

Bulwarks, height above deck and description *Open Rails* Main Rail, material and size *Steel*

No. of Breasthooks *Five* No. of Crutches *steel decks*

The above is a correct description.

Builder's Signature (here only) *Klensburger Schiffbau-Gesellschaft* Surveyor's Signature *Geo Sykes*

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)

M. 30 March and 29 May 1908

Workmanship. Are the butts of plating planed or otherwise fitted? *planed, partly double strapped and partly overlapped.*

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? *no*

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

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par. 24)? *yes*

State results of tests *found tight*

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

State results of tests *found tight.*

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

This steel screw steamer with complete shelter deck, built for carrying Petroleum in Bulk, has been built in conformity with the approved amended plans and in all respects with the Rule requirements and Committee intentions, with a view to attain the 100 A1 Class in the Society Register Book. The workmanship throughout is of the best description for this class of vessel, all parts conforming well with each other carefully fitted and soundly riveted together. The Peak and all compartments for carrying Oil in Bulk as well as the Oil bunkers have been filled and tested with a head of water, 12 feet above crown of tanks, Cofferdams, Circular Tunnel and Cellular double bottom have been filled and tested to height of shelter deck and found tight.

The Steel Materials used in the construction have been manufactured at works approved by the Committee and tested by the Society Surveyor in conformity with the Rule requirements, also the Forgings have been manufactured under the Supervision of the Society Surveyor. This vessel is a Sister ship to the S/S "Niagara" with slight deviations as approved. The sections used are British make.

The Surveyor should state the Number of Report and Name of any Sister Vessel. 10368. "Niagara"

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Deck *ft., K.C.D. or Break* *ft., Bridge Deck* *ft., Forecastle* *ft.*
(in feet and tenths). *When the Deck 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) *Two Steel decks and Steel Shelter deck, wood sheathed amidships and at Forecastle*

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside *Clear of all tanks cement & oil paint* Outside *oil and patent paints*

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,			Fore peak tank,	23	110
Double bottom, under Engines and Boilers,			After peak tank,	33	216
Double bottom, if under Engines only,	43.4	316	Midship deep tank,		
Double bottom, if under Boilers only,	21.8	147	Other tanks, if fitted,		
Double bottom, forward, <i>Liquid fuel Bunkers</i>	19.6	132	(If necessary, furnish further information by sketch.)		
	84.8	595			

* 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.

Order for Special Survey No.

Date

No. 286 in builder's yard.

DATES OF SURVEYS
held while building

*16, 26 June 18, 27 July 29 August 15 & 29 September 13 & 27 October 10 & 29 Nov
6, 14, 30 Dec 1908, Jan 9, 14, 22, 28. Feb 10 & 19. March 2 & 12 - 1909*

22. Total No. of Surveys

The amount of Entry Fee, *Mk. 105*

Special Survey Fee *Mk 3913*

Travelling Expenses, if any *Mk 599*

Mk 130

total 4949

Fees applied for,

12 March 1909

Received by me,

15 March 1909

Geo. Dykes

Certificate to be sent to

Hamburg Office

State whether the Vessel has been built under Special Survey

Special Survey

I am of opinion this Vessel should be Classed

100 A1 carrying Petroleum in Bulk

Geo. Dykes

With, or without Freeboard, as condition of Class

with Freeboard

Surveyor to Lloyd's Register of British and Foreign Shipping

Committee's Minute

FRI. 26 MAR 1909

Character assigned

100 A1

Shelter deck with fld 5.5.3

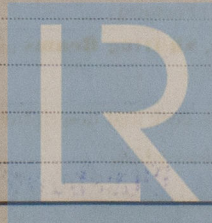
Carrying petroleum in bulk

Lloyds. R.C.D.

+ L.M.B. 3.09

79 blue light

J.D.



© 2021

Lloyd's Register
Foundation

W549-02152

Estimate 26/3/09