

## STEEL STEAMER or MOTORSHIP

REC'D NEW YORK OCT 15 1927

Received at London Office 31 OCT 1927

State if Report has been sent on the Freeboard of the Vessel *No.*State if Report is sent on the Machinery of the Vessel *Yes*

Date of completion of report

13<sup>th</sup> October 1927 Port of *New Port News*

Survey held at

*Norfolk, Va.*

Date First Survey

28<sup>th</sup> September

Last Survey

12<sup>th</sup> October 1927 No. 4264

On the

(State if Machinery fitted Aft and if Single, Twin or Triple Screw)

*Single Screw Steamer CERRO GARDO*

State Type

(Full Scantling, Complete Superstructure with or without Tonnage Openings)

*Single deck with Pop. Bridge + Fole*

State Type of Erection

*Duluth, Minn.*

TONNAGE under Tonnage Deck

2347

Do. of space or spaces between Tonnage Deck and Upper Deck

Total

2347

Gross Tonnage

1420

Register Tonnage

CLASS

*100 A.1. Contemplated*

State if with freeboard as condition of Class

FEET.

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

L 251.0

Breadth (greatest moulded)

B 43.5

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 24.20

1st Longitudinal Number (L x D)

= 6076.4

2nd Numeral L x (B + D)

= 16995.0

Framing Depth "d," at middle of length. See Sec. 3 (1d)

21.52

Proportions—Depth to Length—Uppermost continuous deck to top of keel

10.37

Do. Long Bridge to top of keel

Draught Moulded

Built at

*Duluth, Minn.*

Launched

1919

Yard No. 1330

Builders

*McDougall - Duluth Co.*

Owners

*Hammond Lumber Co.*

Managers

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

Residence

Port of Registry

*San Francisco*

If surveyed while building, afloat, or in dry dock

*Afloat and in dry dock*

## FIXED DIMENSIONS.

FEET.

251.0

43.5

24.2

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
amidships	24		Bracket Floors, Frame	7" x 3.35 x 16.5 lbs.	
from 1/2 length to Collision bulkhead	24		" " Reversed Frame	7" x 3.35 x 16.5 lbs.	
in peaks	24		" " Vertical Struts	7" x 3.35 x 16.5 lbs.	
Angle, [ or ]	8 3 1/2	25.2 LBS alternate to	Centre Girder, depth and thickness amidships	36" x 18.8 lbs. 15.5 lbs. at ends 22.8 in BS.	
Extends up to	Upper Deck	Bridge in Bridge Space	" " top Angles	Double 3" x 3" x 8.3 lbs.	
Amidships, Angle	✓		" " bottom Angles	Double 4" x 4" x 12.8 lbs.	
Extends up to	✓		Side Girders, No. each side and thickness	one 13 lbs. 17.1 in BS.	
ing Girder	8"		Margin Plate depth (excl. of flange) and thickness	30" x 15.5 lbs. 19.6 in BS.	
ermost Continuous 'tween Decks, Angle, [ or ]	✓		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3" x 3" x 6.1 lbs.	
nd 'tween Decks, Angle, [ or ]	✓		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	3" x 3" x 6.1 lbs.	
" " " "	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	72" 24" x 21" x 13.8 lbs.	
" " " "	✓		" " Gussets, spacing and scantling forward 1/2 len. from stem	72" 24" x 21" x 13.8 lbs.	
ks, Angle, [ or ]	6" x 2.82" x 13.0 LBS		Tank Side Brackets, height above base line at toe of Frame and thickness	63" x 18.8 lbs. 17.9 in BS.	
Spacing of Rivets through me and Shell Plating amid-	7/8 about 6" 8"		INNER BOTTOM PLATING.		
Joggled	No.		Breadth and thickness of Middle Line Strake	36" x 17.1 lbs. for 1/2	
NGEMENTS (Sec. 7), state system and particulars	2 Panting stringers + 2 Web frames P.S.		Thickness of remainder in Holds	36" x 14.6 lbs.	
IG OF BOTTOM FOR- Particulars	Solid floors + double angles to shell.		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	Yes	
L. and thickness at mid-line in			BEAMS.		
of Brackets at side above line at toe of frame			Uppermost Continuous Deck, amidships	6" x 3 1/2" x 15 lbs.	
Keelson, on Floors, Angles, [ or ]			" " " " " "	6" x 2 1/2" x 15 lbs.	
" Through Plate or Intercoastal Plate			" " " " " "	24"	
" Foundation Plate on Floors			Second Deck, amidships, Angle, [ or ]	✓	
" Flat Plate Keel Angles			Spacing	✓	
No. each side			Third Deck, amidships, Angle, [ or ]	✓	
thickness of Intercoastal Plate			Spacing	✓	
Angles			Fourth Deck, amidships, Angle, [ or ]	✓	
			Spacing	✓	
			Poop Deck, Angle, [ or ]	5" x 3" x 11.3 lbs. L	
			Spacing	24"	
			Bridge Deck, Angle, [ or ]	6" x 2 1/2" x 13.0 lbs.	
			Spacing	24"	
			Forecastle Deck, Angle, [ or ]	6" x 2.8 x 13 lbs.	
			Spacing	24"	

## DOUBLE BOTTOM.

Solid Floors, thickness and spacing

13.8 lbs. 72" 18 lbs in BS

Are Frame and Reversed Frame joggled?

No

Bracket Floors, breadth and thickness at middle line

48" x 13.8 lbs. 17.9 lbs in BS

breadth and thickness at margin plate

25" x 13.8 lbs. 17.9 lbs in BS



## PILLARS AND DECKS.

		INCHES IN SHIP. IN FORE HOLD		Any Departure from Approved Plans to be Noted.			INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.
<b>PILLARS, No. of Rows.</b>	<i>One in holds</i>	10	3.4 x 22.6	lb. <b>II</b>	Stringer Plate, breadth and thickness in way of Bridge			✓	
"	<i>in 'tween Decks, Size and Spacing</i>	8	3.5 x 25	2 lb.	Thickness of Plating abreast Deck openings in way of Wells			✓	
"	"				Thickness of Plating abreast Deck openings in way of Bridge			✓	
"	<i>in Holds</i>	2	<i>in fore hold</i>		Thickness of Plating within line of openings			✓	
"	"	2	<i>" after hold.</i>		If Sheathed, material and thickness			✓	
<b>Centre Line Bulkhead.</b>					<b>Third Deck.</b>				
Stiffeners and Spacing				✓	Stringer Plate, breadth and thickness			✓	
Plating, thickness of				✓	If Plated, state thickness			✓	
<b>STRINGERS AND DECKS.</b>					<b>Fourth Deck.</b>				
<b>Uppermost Continuous Deck.</b>					Stringer Plate, breadth and thickness			✓	
Stringer Plate, breadth and thickness in Wells		43	19.6 lb.	<i>for 1/2 L x</i>	If Plated, state thickness			✓	
"	<i>in way of Bridge</i>	43	19.6 lb.	<i>- 27" 15.5 lb.</i>	<b>Poop Deck.</b>				
"	<i>Angle in Wells</i>	5	5 x 14.3	lb.	Stringer Plate, breadth and thickness	48	15.5	lb.	
Thickness of Plating abreast Deck openings in way of Wells		12.3	lb.		Plating, Sheathing, material and thickness	12.3	lb.		
Thickness of Plating abreast Deck openings in way of Bridge		12.3	lb.		<b>Bridge Deck.</b>				
Thickness of Plating within line of openings		✓			Stringer Plate, breadth and thickness	42	13.9	lb.	
If Sheathed, material and thickness		✓			Plating, Sheathing, material and thickness	13.9	lb.		
<b>Second Deck.</b>					<b>Forecastle Deck.</b>				
Stringer Plate, breadth and thickness in Wells		✓			Stringer Plate, breadth and thickness	42	13.1	lb.	
					Plating, Sheathing, material and thickness	13.1	lb.		

## SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>No.</i>			BUTTS.			
	ANGLES.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. of Rows of Rivets.	RIVETS.		STRAFFED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing or. to cr.		Diam.	Spacing or. to cr.	
	Inches.	Inches.	Inches.	Inches.				Inches.			Inches.	
FLAT PLATE KEEL	43	31.8 lbs.	23.7 lbs.	23.7 lbs.	✓	Double	7/8	3 1/2	Quad	1	4	Lapped
" DBLG. (if any)		✓			✓							
BOTTOM PLATING, No. of Strakes .... 4	57	21.2 lbs.	17.1 lbs.	17.1 lbs.	✓	Double	7/8	3 1/2	Treble	7/8	3 3/8	Lapped
BILGE PLATING, No. of Strakes .... 21		21.2 lbs.	17.1 lbs.	17.1 lbs.		"	7/8	3 1/2	"	7/8	3 3/8	"
SIDE PLATING, No. of Strakes .... 4		22.8 lbs.	18.0 lbs.	18.0 lbs.		"	7/8	3 1/2	"	7/8	3 3/8	"
UPPER DECK, Sheer-strake in Wells	43	22.8 lbs.	16.3 lbs.	16.3 lbs.	35.1 lbs for 20'-0" at bridge ends.	"	7/8	3 1/2	"	7/8	3 3/8	"
UPPER DECK, Sheer-strake in Bridge												
STRAKE BELOW Sheer-strake in Wells												
STRAKE BELOW Sheer-strake in Bridge				13.1 lbs.		Single	3/4	2 1/2	Double	3/4	2 5/8	Lapped
POOP SIDE PLATING						"	3/4	2 1/2	"	3/4	2 5/8	"
BRIDGE SIDE PLATING		13.9 lbs.				"	3/4	2 1/2	"	3/4	2 5/8	"
FOREC'TLE SIDE PLATING				13.9 lbs.		"	3/4	2 1/2	"	3/4	2 5/8	"

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		Four	
Extending to Upper Deck (Sec. 3 c)		Yes	
Deck next below		✓	
As per Rule		4	

		Plating Thickness.	STIFFENERS.			
			VERTICAL		Horizontal.	
			Scantlings.	Spacing	Scantlings	Spacing
MIDSHIP BULKHEAD, Upper tween decks		13.1 lb. 17.2 lb.	8" x 3.4"	23.8 lbs	✓ 30"	
"	Second "	13.9 lb. 15.5 lb.	8" x 3.4"	23.8 lbs	✓ 30"	
"	Third "	✓				
"	Holds .....	✓				
COLLISION	(in Hold) .....	5.5 lb. 19.6 lb.	6" x 2.8"	13 lbs.	✓ 24"	
	AFTER PEAK	13.9 lb. 20.4 lb.	6" x 2.8"	13 lbs.	✓ 24"	

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓		✓	
STEM	Casting + forging Steel Casting	$8\frac{1}{2} \times 2\frac{3}{8}$ "	✓	
STERN FRAME	Propeller Post	$8\frac{1}{2} \times 5\frac{1}{2}$ "	✓	
	Rudder	$7\frac{1}{2} \times 5\frac{1}{2}$ "	✓	
RUDDER AND				
Speed of Vessel				
RUDDER mainpiece at head	forging	8" Dia	✓	
" " heel		6" "	✓	
" how constructed		Arms shrank on and Keyed		
" double or single plate		Single plate 1" thick		
" coupling, vertical or horizontal		Horizontal		

## STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

Has the Steel been tested as required by the Rules?

Equivalent to. (A.B. tested)

Lloyd's Register  
Foundation



EQUIPMENT No. 17866-71										LETTER 7		ANCHORS.			
Number of Certificate.	Anchors.	<sup>Tested</sup> WEIGHT, AS STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.			
162	1st Bower	37	3	7				34	8	0	14	36-2-0	National	Cleveland Steel Casting Co.	Cleveland, 15/5/18
163	2nd "	37	0	16				33	16	3	14	33-2-0	80	80	W. L. Rogerson 17/5/18
180	3rd "	30	1	7				28	18	0	14	31-0-0	80	80	80 18/5/18
	Collective weight	105	1	2								101-0-0			
397	Stream	12	2	5				14	8	1	21	9-1-0	80	80	80 25/7/18 J. S. Fry.

CHAIN CABLES.											HAWSERS AND WARPS.						
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Table 53.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.		
	Length.	Diam.	Sta-tu-ry.	Break-ing.	Supplied.	Per Rule.						Length.	Diam.		Length.	Dia.	Tons.
American Bureau Cert.	Fathoms.	Ins.	Tons.	Tons.	Owts. qrs. lbs.	Owts. ✓	Fathoms.	Ins.				Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
30286	210	1 3/4	558	77 1/2	345-0-14	370 1/2	240	1 3/4	Stud.	American Chain Co.	Columbus Ohio Sept. 21st 1918 + April 28th 1919 J.E. BRENNAN American Bureau	TOWLINE	90	3 1/2	90	3 1/2	
30605	30	1 3/4	"	"	49-1-2				Ord.			HAWSERS & WARPS	2-90	2 1/2	2-90	2 1/2	
Iron Steam Chain or Steel Wire	75	4		33			75	4	6.5.W.R.				2-90	1 3/4	2-90	1 3/4	

Steering Gear, Steam 7x7" American Pump & Hoist Co. Steering Gear, Hand Hand wheel connected direct to Double Screw

Boats 2 Steel boats - 49 persons Steering Chains, Size and Test 1 1/4" dia Windlass Patent Steam 8"x8"

Ceiling in Holds, thickness and material 2 1/2" Spruce Cargo Battens, thickness, material and spacing 1 1/2" x 6" spruce 15' cr.

Cargo Hatchways - (Upper Deck) ✓ Thickness of Hatches 3"

Size of No. 1 Hatchway (Forward) 22'-0" x 18'-0" No. 2 22'-0" x 18'-0" No. 3 22'-0" x 18'-0" No. 4 22'-0" x 18'-0" No. 5 ✓ No. 6 ✓

Number of Shifting Beams and/or Fore and Afters 4 to each hatch, 16" deep at centre 13" at sides 15.1 lb. thick 4 x 3 x 9.8 lb. double angles top and bottom

Builder's Signature ✓

GENERAL DECLARATION This vessel was constructed under the survey of the American Bureau of Shipping and the materials tested in accordance with their Rules.

The riveting and workmanship generally is good and efficient and no alterations have been made to the vessel since she was built.

The scantlings have been checked with the approved plans and found to agree. The general condition of the steel work is good.

We are of the opinion that the vessel can be classed 100 A.1. with record of survey 10-27 and the notation of S.S. N. N<sup>o</sup>. N<sup>o</sup> 3-10-27 in the Register Book.

Amount of Entry Fee £ 14/10 ✓ : Fees applied for, 14/10 1927

Special Survey Fee \$550.00 : Received by me, 10/11/27

Travelling Expenses, if any \$12.50 : No.

State whether the Vessel has been built under Special Survey No.

Certificate to be sent to New York Date of issue 2/11/27

I am of opinion the Vessel should be Classed 100 A.1.

For C. J. Hudson & Self.

Signature A.G. House

Surveyor to Lloyd's Register of Shipping.

Committee's Minute NEW YORK OCT 19

Character assigned 100 A1

FRI. 20 JAN 1928

FRI. 11 MAY 1928



GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and the Plans should be embodied.)

This vessel is a sister vessel to the 5/5 Francis M. 5/5 Chappell + "Chamblee" Newport News Report Nos. 4029, 4149 + 42 respectively.

Particulars of Drop Test of Cast Steel Anchors, viz.:—  
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower	37-3-7	W.A.R. - 162 -	15 <sup>th</sup> May. 1918	head + shank
2nd "	37-0-16	W.A.R. - 163 -	17 <sup>th</sup> May. 1918	12 + 15
3rd "	30-1-7	W.A.R. - 180 -	28 <sup>th</sup> May. 1918	"

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 25.0 ft., R.Q.D. ✓ ft., Bridge 64.0 ft., Forecastle 23.0 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks (this information is to be given as it should appear in the Register Book)

One deck steel

Official No. 217803 ; Signal Letters L.Q.M.5.

Is bottom of Vessel coated with cement.

Yes

particulars of composition ✓

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.
Double bottom, aft,	68.0	160	Fore peak tank,	14.0
Double bottom, under Engines and Boilers,	40.0	120	After peak tank,	24.0
Double bottom, if under Engines only,			Deep tank, aft,	
Double bottom, if under Boilers only,			Deep tank, forward,	
Double bottom, forward,	100.0	255	Other tanks, if fitted,	
	Total capacity of double bottom	535	(If necessary, furnish further information by sketch.)	

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

Order for Special Survey No. 56

Date

28<sup>th</sup> Sept. 27

Dates of Surveys

Sept. 28<sup>th</sup> 29<sup>th</sup> Oct. 4<sup>th</sup> 5<sup>th</sup> 6<sup>th</sup> 8<sup>th</sup> 11<sup>th</sup> 12<sup>th</sup>



Lloyd's Register Foundation

Total No. of Visits