

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office MON. MAR. 10. 1913

State if Report is also sent on the Machinery of the Vessel **YES**

Date of completion of report **FEB 21ST 1913** Port of **NEWPORT NEWS VA. No. 494**
 Survey held at **NEWPORT NEWS VA** Date, First Survey **15th AUGUST 1912** Last Survey **FEB 19th 1913**
 On the **STEEL S S "LORENZO"** Rig **SCHOONER**

TONNAGE under Tonnage Deck... **2890.15**
 Do. between Tonnage Dk. and 3rd and 4th Dk. **2890.15**
 Total under Upper Dk. **2890.15**

Do. of Poop
 Do. of R.Q.Dk.
 Do. of Bridge House
 Do. of Forecastle
 Do. of Houses on Dk. **152.16**
 Do. of excess of Hatchways **20.83**
 Do. above Crown of Engine Room... **3063.14**
 Gross Tonnage **3063.14**
 Do. above Crown of Engine Room... **99.62**
 Net Tonnage **2963.52**
 Do. Engine Room
 Do. Navigation Spaces

CLASS **#100.A.1.** FEET.
 Breadth (greatest moulded) **46.75**
 Depth, at middle of length from top of keel to top of upper deck beams at side **25.00**
 Transverse Number **71.75**
 Length on deck from fore part of stem to after part of stern post **334.41**
 Longitudinal Number **23993**
 Depth "d" at middle of length (See Secs. 2 & 13) **13.58**
 Proportions—Depth to Length—Upper Deck Beam at side to top of keel **13.37**
 " " Long Bridge Deck Beam at side to top of keel **✓**

Master **J.O. Foss 1910-13**
 Year of appointment (1) As Master in service of owner of present vessel—191 **0**
 (2) As Master of this vessel—191 **3**
 Built at **NEWPORT NEWS VA.**
 When built **1913** Launched **25th JAN 1913**
 By whom built **NEWPORT NEWS S & J CO**
 Owners **NEW YORK & PORTO RICO S S CO**
 Managers **✓**
 (Where necessary to be entered in Reg. Book.)
 Residence **✓**
 Port belonging to **NEW YORK**

Register Tonnage **1942**
 as out on Beam

Destined Voyage **NEW YORK** If Surveyed while Building, Afloat, or in Dry Dock **YES**

Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with flat laid
334	5	Moulded	46	9	Top of Floors to top of Upper Dk. Beams	22	8 1/2	2
					Do. do. do. do. Second Dk. Beams	14	6 1/2	2
Moulded depth, ft. ins. To Bridge Dk. Round of Upper Dk. Beam, Actual) 11 1/2 ins.								
Moulded depth, ft. ins. To Upper Dk. Dk. Beam, Actual)								

FRAMING.				PILLARS.			
NAME, Angle, or L	Inches in Ship	Inches in Ship	Inches in Ship	PILLARS, In 'tween Deck, size and spacing	Inches in Ship	Inches in Ship	Inches in Ship
Bars amidships	8 3 1/2	50	8 3 1/2	" Hold	8 3/8	43 1/2	6 3/8
Do. in peaks	7 3 1/2	38	7 3 1/2	" Quarter 'tween Dks.	8 3/8	50	12 3/4
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	36	" in Hold	"	"	"
" " L at intermdt. Bkts.	8 3 1/2	40	8 3 1/2	"	"	"	"
Spacing of Frames from centre to centre amidships	26		26	KEELSONS & STRINGERS.			
" " length to Collision bulkhead	26		26	CENTRE LINE KEELSON, Vertical Plate above			
" " in peaks	24		24	floors, Through Plate, or Intercoastal Plate			
EVERSED FRAME, Angles... AN. FLOORS	3 1/2	3 1/2	36	Rider Plate			
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	36	Flat Plate Keel Angles			
" " L at intermdt. Bkts.	8 3 1/2	40	8 3 1/2	Horizontal Plates on Floors			
FRAMING, depth of girder	8		8	Angles or Bulb Angles			
FLOORS, depth and thickness of Floor Plate at mid-line for length amidships	39	36	39	SIDE KEELSONS, Number			
" in way of Engine and Boiler Spaces	46		46	Angles or Bulb Angles			
" thickness at the ends of vessel	34		34	Plate above floors, for length			
" depth at 1/2 the half breadth, as per Rule	34 1/2		34 1/2	Intercoastal Plate, for length			
" height extended at the Bilges	72		72	Attached to outside Plating with Angle			
FLOORS & BRACKETS in Cell Dble Bottoms	39	36	39	BILGE KEELSON, Angles			
" state if flanged (top & bottom)	70		70	Intercoastal Plate for length			
" Spacing	48		48	Attached to outside Plating with Angle			
CENTRE GIRDER, in Dbl. bottom, dpth. & thicknss.	3 1/2	3 1/2	44	SIDE STRINGERS, Number			
" Angles, Top	4 5/8		4 5/8	Angle			
" Bottom	4 5/8		4 5/8	Intercoastal Plate, for length			
" to Floors	3 1/2	3 1/2	36	Attached to outside plating with Angle			
WIDE GIRDERS, number on each side & thickness	70		70	Upper Deck Stringer Plate, br'dth & thickness			
" state if flanged (top and bottom)	3 1/2	3 1/2	36	(clear of Bridge)			
" Angles (top and bottom)	3 3	36	3 3	br'dth & thickness			
" to Floors	36		42	(in way of Bridge)			
MARGIN PLATE, depth (exclusive of flange) and thickness	3 1/2	3 1/2	42	Angle (clear of Bridge)			
" Angles to Outside Plating	3 1/2	3 1/2	36	Tie Plate at sides of Hatchways			
" Floors	70		70	Deck * Steel, for WHOLE lng.			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	52	44	52	Thickness (clear of Bridge)			
" in Engine and Boiler space	50	60	50	(in way of Bridge)			
" Remainder in Holds	40		40	Wood Deck, Material & thicknss			
BEAMS, Upper Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel	7 3 1/2	38	7 3 1/2	Second Deck Stringer Plate, br'dth & thickness			
" Angles on upper edge	26		26	Angles on ditto, No.			
" In way of Long Bridge	8 3 1/2	38	8 3 1/2	Tie Plates outside Hatchways			
" Spacing	26		26	Deck * Material and thickness			
BEAMS, Second Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel	5 3 3/5	5 3 3/5	5 3 3/5	Fourth and Fifth Deck Stringer Plate, breadth & thickness			
" Angles on upper edge	26		26	Angles on ditto, No.			
" Spacing	26		26	Tie Plates outside Hatchways			
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	4 3 3/5	4 3 3/5	4 3 3/5	Deck, Material & thickness			
" Angles on upper edge	26		26	Deep Deck Stringer Plate, breadth & thickness			
" Spacing	26		26	Angle on ditto			
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	4 3 3/5	4 3 3/5	4 3 3/5	Tie Plates			
" Angles on upper edge	26		26	Deck, Material and thickness			
" Spacing	26		26	Boat Deck Stringer Plate, br'dth & thickness			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	4 3 3/5	4 3 3/5	4 3 3/5	Angle on ditto			
" Angles on upper edge	26		26	Tie Plates			
" Spacing	26		26	Deck, Material and thickness			

EQUIPMENT No. <u>245211</u>				LETTER <u>U</u>				ANCHORS.				TONNAGE U. DK. OR PLATING No. FOR TRAWLERS			
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 31.			
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	
996	1st Bower	45	1	2				39	8	0	14	45	0	0	BALOT
955	2nd "	45	0	6				39	5	0	0	45	0	0	"
907	3rd "	39	0	0				35	2	2	0	38	0	0	"
	4th "														"
	Collective weight	29	1	8								128	0	0	
904	Stream	16	0	25				17	11	3	14	15	0	0	"
880	Kedge	17	1	16				9	11	2	7	5	2	0	"

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.			Length and Size per Table 31.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.	Breaking Test of Steel Wire Towline.	Length and Size per Table 31.	Length and Size per Table 31.	Length and Size per Table 31.	Length and Size per Table 31.	Length and Size per Table 31.	Length and Size per Table 31.	Length and Size per Table 31.
	Length. Diam.	Statu-ory. Break-ing.	Supplied.	Per Rule.		Length. Diam.					Length. Cir.	Tons.	Length. Cir.						
292	270 1 5/8	67 1/2	541 0 0	50 1 1/4		270 1 5/8	STUD BRADLEE & Co	THILA. 10.2.13	J.M.	TOWLINE	100 4 1/2	4 1/2	100 4						
										HAWSERS & WARPS	90 3	26.2	180 7						
											360 7		180 7						
											360 6		180 6						
Iron Stream Chain or Steel Wire	90 4 1/2		525			90 4 1/2	S.W. Hazard MacC	THILA. 10.2.13	J.M.										

Boats Two 22'x6'x2'5" METALLIC—Two 1000 GALLONS Steering Gear, Steam "HYDE" Steering Gear, Hand "HYDE"
Pumps, Number ONE—"TUMSEY" Diameter of Barrel 6"x8" State whether they are in efficient working order YES
Windlass is "HYDE" STEAM 10"x10" Capstan "HYDE" STEAM—
Engine Room Skylights.—How constructed? STEEL What arrangements for deadlights in bad weather? BILLS EYES + SHUTTERS.
Coal Bunker Openings.—How constructed? SUTTLES How are lids secured? SREW LOGS Height above deck? FLUSH
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 14 SCUPPERS—+ 6 FREEING PORTS, 7'x5'; 36"x18"
Ceiling in Holds, thickness and material 3" SPRUCE Cargo Battens, thickness and material 2" SPRUCE
Cargo Hatchways.—How formed? STEEL CAMINGS Hatches, If strong and efficient? YES
State size No. 1 Hatch (Forward) 24'x16' No. 2 Hatch 26'x16' No. 3 Hatch 13'x16' No. 4 Hatch 26'x16'
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch No. 1, 2, 4, 5:—4 WEB PLATES. No. 3:—2 WEB PLATES—
No. of Breasthooks 4 No. of Crutches DEEP FLOORS
Bulwarks, height above deck and description 4'0" STEEL PLATE Main Rail, material and size C 7'x3 1/2'x38.
The foregoing is a correct description. Newport News Shipbuilding & Dry Dock Co., Surveyor's Signature *Wm H. Maassen*
Builder's Signature (here only) BY *M. Ferguson* Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)
M 15-5-12 M 23-5-12—

Workmanship. Are the butts of plating planed or otherwise fitted? YES
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 the plating? No—
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. 26, par. 20)? YES State results of tests SATISFACTORY.
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? YES State results of tests SATISFACTORY.

General Remarks (State quality of workmanship, &c.) The vessel has been built under special survey in accordance with the approved plans and the Rules for the intended Class 100A! The materials and workmanship are good. All tanks have been tested as required by Rules and found tight— The vessel is fitted with Electric Light—

This is a sister vessel to SS "MONTOSO", "CORDAL", "SABELA",
N. N. Reg. No. 355-357-387—

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

The amount of Entry Fee # 25-00	Fees applied for, 20.2 1913	Certificate to be sent to <i>N.N. Office</i> Date of issue 26/6/13.
Special Survey Fee... # 505-32	Received by me, 74.2 1913	
Freighting Expenses, if any # 15-00		

State whether the Vessel has been built under Special Survey YES
I am of opinion this Vessel should be Classed \$100 A.1. { 4 Bk to U. Dk. }
With, or without Freeboard, as condition of Class WITHOUT { 1 " to 2 " " }

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

Committee's Minute WED. MAR. 26. 1913
Character assigned 100A1
arb. O.
W.
26/6.2.13

WEB FRAMES.				Inches in Ship.	Inches in Ship.	Inches per Rule. Or as Approved.	Inches per Rule. Or as Approved.					
WEB-FRAMES, In Fore Body, No. and spacing												
" " " brdth. & thickness												
" " " No. of Side Stringers " "												
WEB-FRAMES, In E. & B. Space, No. & spacing				Two		Two						
" " " brdth. & thickness				17	38	17	38					
WEB-FRAMES, In After Body, No. and spacing												
" " " brdth. & thickness												
" " " No. of Side Stringers " "												
" " " Size of Face Angles to Web-Frames.....												
BRACKET PLATES to Stringers between Web Frames, depth and thickness.....												
BULKHEADS.				Number.	Thickness.	STIFFENERS.	Single or Double Frames.					
				Vessel.	Per Rule.	Horizontal.	Vertical.					
						Size.	Spacing.					
						Size.	Spacing.					
W.T.BULKHEADS				4-1	5	32	28 3/4	30	S	WIK		
COLLISION "				1		3 1/2	7 1/2	14	18	24	S	WIK
PARTITION "				1		3 1/2						
LONGITUDINAL "				4		W.T. Bulk to W.T. Bulk	1	W.T. Bulk to 2nd Bulk				
Are the outside Plates doubled two spaces of Frames in length?				YES								
Are the Sluice Valves and Watertight Doors in efficient working order?				YES								
FORGINGS or CASTINGS.				Inches in Ship.	Inches per Rule. Or as Approved.							
KEEL, Bar, depth and thickness												
STEM, moulding and thickness				FORGING	9 1/2 x 2 1/2	9 1/2 x 2 1/2						
STERN-POST for Rudder do. do.					8 1/2 x 6 1/2	8 1/2 x 6 1/2						
" for Propeller					9 1/2 x 6 1/2	9 1/2 x 6 1/2						
RUDDER-A x D* Table 22. Speed					8 1/2 dia	8 1/2 dia						
" Main-Piece, diameter at head					8 1/4 x 6	8 1/4 x 6						
" " " at heel					5 1/2 x 5 5/8	5 1/2 x 5 5/8						
RUDDER, how constructed				SINGLE PLATE								
" Thickness of Plates or Single Plate				1.06"								
Can the Rudder be unshipped afloat?				YES								
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.?								CAMBRIA STEEL CO				
								PHOENIX IRON CO PA.				
Has the Steel been tested as required by the Rules?				YES								

PLATING.						RIVETING.															
AS IN SHIP.						PER RULE OR AS APPROVED.						EDGES.				BUTTS.					
STRAKES.						AMIDSHIP.						Ordinary or Double?				Double or Treble and for what Length?					
Breadth.						Thickness.						Single or Double?				RIVETS.					
Inches.						Inches.						Breadth of Lap.				Diam.					
Inches.						Inches.						Inches.				Spacing or to or.					
FLAT PLATE KEEL.....						45	90	64	64	45	90	II	6 3/4	18	4 1/2	TR-FHA	18	4	21 1/2	6 1/2	33 1/2
(If Bar Keel, state Riveting.)						60	60	60	46	60	60	"	5 1/4	18	3 1/4	"	18	3 1/2	9	"	
GABBOARD OF A Strake						60	60	60	46	60	60	"	"	"	"	"	"	"	"		
State actual thickness in way of Double Bottom.						60	60	60	46	60	60	"	"	"	"	"	"	"	"		
B "						60	60	60	46	60	60	"	"	"	"	"	"	"			
C "						60	60	60	46	60	60	"	"	"	"	"	"	"			
D "						60	60	60	46	60	60	"	"	"	"	"	"	"			
E "						60	60	60	46	60	60	"	"	"	"	"	"	"			
F "						54	62	46	46	54	62	"	"	"	Q 1/2 L	"	3 1/2	12	167		
G "						54	62	46	46	54	62	"	"	"	"	"	"	"	"		
H "						54	62	46	46	54	62	"	"	"	"	"	"	"	"		
J "						54	58	42	42	54	58	"	"	"	TR FHA	"	3 1/2	9	33 1/2		
K "						52	66	42	42	52	66	"	"	"	Q 1/2 L	"	3 1/2	12	167		
SHEER L "						45	88	42	48	45	88	"	6	1	33 1/4	TR FHA	1	19	62 5/4		
M "																					
N "																					
O "																					
P "																					
Q "																					
R "																					
S "																					
T "																					
U "																					
V "																					
W "																					
THICKNESS OF SHEER STRAKE																					
CLEAR OF LONG BRIDGE																					
DO. OF STRAKE BELOW																					
DBLG. of Flat Plate Keel																					
" Sheerstrakes						17 WAY (ARGO TORTS)															
Length and thickness.																					
POOP SIDES.....																					
SHORT BRIDGE SIDES...																					
FORECASTLE SIDES.....																					

*Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

Upper Deck Stringer Plate	Butts, Q riveted for 1/2 length amidship.	Butts of Side Stringers	✓ riveted.
	Straps, single or overlapped for WHOLE length amidship.	" Tie Plates	DOUBLE riveted.
Second Deck Stringer Plate	Butts, T riveted for WHOLE length amidship.	Inner Bottom Plating, riveting of Edges	D + S Butts D + S
	Straps, single or overlapped for WHOLE length amidship.	Centre Girder Butts,	T riveted Keelson Butts, ✓ riveted.
		Frames, riveted through Plates with	7/8 in. Rivets, about 6 dia apart.
		Rivets, state whether Iron or Steel	S-

FRAMES extend in one length from CENTRE KEELSON TO MARGIN - MARGIN TO GUNWALE State if ordinary or joggled JOGGLED IN MID.

REVERSED FRAMES on floors and frames extend from CENTRE KEEL TO MARGIN - MARGIN State if ordinary or joggled JOGGLED.

MASTS, SPARS, &c.												
		Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
				At Partners.	Heel.	Bounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS.....	Fore	S	88.0	28 x 45	20 x 35	20 x 45	8 1/4 x 35	2	2	3 x 3 1/2	S 3/4	T. 3/4
	Main		80.6	28 x 45	22 x 35	20 x 45	8 1/4 x 35	2	2	3 x 3 1/2	S 3/4	T. 3/4
	Mizen.....											
Bowsprit ✓												
Topmasts, Yards and Remainder of Spars ✓												
Rigging, Material and Size, Shrouds (4) 4" + 3 1/4" BACKSTAYS 2 1/2" Stays 4 3/4, 4", 2 1/2"												
Sails. ONE COMPLETE Suit of FORE & AFT Sails, and the following spare sails ✓												

GENERAL REMARKS—(continued).

WEB FRAME

WEB-FRAMES, In Fore Bod

No of Side Stringer

WEB-FRAMES, In E. & B. S

WEB-FRAMES, In After B

No. of Side Stringer

Size of Face Angles

BRACKET PLATES to S

Web Frames, depth and

BULKHEADS.

Num

Vessel.

W.T.BULKHEADS 4-1

COLLISION "

PARTITION "

LONGITUDINAL "

Are the outside Plates d

Are the Shuce Valves a

STRAKES.

FLAT PLATE KEEL...

(U Bar Keel, state Riveting,

GARBOARD or A Strake

State actual

thickness in

way of Double

Bottom.

B

C

D

E

F

G

H

J

K

L

M

N

O

P

C

SHEER

THICKNESS OF

CLEAR OF LONG

DO. OF STR

DBLG. of Flat

" Sh

Length and

POOP SIDES

SHORT BR

FORECASTL

Upper

Stringer

Second

Stringer

FRAM

REVER

LOWE

Bows

Topma

Rigging, m

Sails. ONE COMPLETE

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge 74'4 ft., Forecastle 74'4 ft.

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 should appear in the Register Book) 2 IRs (SH) 4 BH & ULK 1 BH & 2nd IR

Official No. 210915; Signal Letters LCTB

How are the surfaces preserved from oxidation? Inside CEMENT-PAINT

State if Machinery is fitted aft No

Outside PAINT

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors. CELLULAR

Where Fitted.

Double bottom, aft,
Double bottom, under Engines and Boilers,
Double bottom, if under Engines only,
Double bottom, if under Boilers only,
Double bottom, forward,

*Length.
Feet.
95'4"
41'2"
147'4"

Water Capacity.
Tons.
266
147
432

Total capacity of double bottom 845

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

Where Fitted.

Fore peak tank,
After peak tank,
Deep tank, aft,
Deep tank, forward,
Other tanks, if fitted,
(If necessary, furnish further information by sketch.)

*Length.
Feet.
17'6"
17'6"

Water Capacity.
Tons.
85
43

State whether the above have been tested as required by the Rules. YES

Order for Special Survey No. 13

Date 22-5-13

No. 163 in builder's yard.

DATES of Surveys held while building

AUG 15, 19, 27 SEP 18, 20, 27 OCT 3, 15, 21, 30, 31. NOV 4, 8, 11, 14, 15, 19
21, 22, 26, 27 DEC 3, 5, 6, 10, 14, 16, 20, 23, 28, 1912; JAN 3, 6, 7, 8
19, 11, 15, 20, 23, 24, 25, 28. FEB 6, 11, 12, 15, 17, 18, 19-1913

Surveyor's Signature

John H. Mawden

Total No. of Visits 129



Survey

at

and

Regist

stating

therea

I hav

be mo

This Certificate
"While the Com
that neither the Com
certificate issued by th
of judgment, default,

B 1.-2m, 12, 11.