

With or Without
Disconnected Erections.

STEEL STEAMER.

Received at London Office... 1912

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

Date of completion of report *13th April, 1922* Port of *Greenock.*
Survey held at *Port. Glasgow.* Date, First Survey *14th Decemr, 1920* Last Survey *12th April, 1922*

On the (State if Single, Twin, or Triple Screw)

"SANTA MARIA"

Rig *Schooner.*

TONNAGE under
Tonnage Deck...

CLASS *100 A.I.*

FEET.

Master

Year of appointment

(1) As Master in service of
owner of present vessel. 19
(2) As Master of this
vessel. 19

Do. between Tonnage Dk. and 3rd and 4th Dk.

Breadth (greatest moulded) *60.0*

Total under Upper Dk. *7763.27*

Depth, at middle of length from top of keel to top of upper deck beams at side *35.5*

Do. of Poop *384.04*

Transverse Number *95.5*

Do. of R.C.Dk. CHART. HO. *16.35*

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of

Engine Room

Gross Tonnage *8429.59*

Less Crew Space

Less above Crown of

Engine Room

TONNAGE FOR FEES. *2697.46*

Less Engine Room

Less Navigation Spaces *487.75*

Register Tonnage *4834.78*

Destined Voyage *Panama.*

If Surveyed while Building, Afloat, or in Dry Dock *YES*

LENGTH on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with flat laid	Two.
a. per Rule	459.	8.	Moulded	60.	0.	Top of Floors to top of Upper Dk. Beams	26.	3.	No. of Tiers of Beams	Two.

Dimensions of Ship per Register, Length *460.0* breadth *60.3* depth *35.5* Moulded depth, ft. *43.* ins. *3.* To Bridge Dk. Round of Upper *15.* ins.
Moulded depth, ft. *35.* ins. *6.* To Upper Dk. Dk. Beam, Actual

FRAMING.						PILLARS.					
IN. WAY OF DEEP TANK FORD						PILLARS In 'tween Deck, size and spacing					
Angles, or Bars	9 1/2	3 1/2	54	9 1/2	3 1/2	" " Hold	"	"	CENTRE LINE	BULKHEAD	
Angles, or Bars	8	3 1/2	48	8	3 1/2	" " Quarter 'tween Dks.,	"	"			
Way of Double Bottoms at Solid Floors	3 1/2	3 1/2	44	3 1/2	3 1/2	" " in Hold	"	"			
Frames from centre to centre	28	1 25		28	1 26						
" " length to Collision bulkhead	24			24							
" " in peaks											
ED FRAME, Angles											
Way of Double Bottoms at Solid Floors	3 1/2	3 1/2	44	3 1/2	3 1/2						
" " at intermdt. Plts											
depth of girder											
depth and thickness of Floor Plate	38	1	40	38	1						
Way of Engine and Boiler Spaces											
Way of DEEP TANK FORD	40			40							
Thickness at the ends of vessel											
Thickness at the half breadth, as per Rule											
Light extended at the Bilges											
in Cell. Double Bottoms	40			40							
state if flanged (top & bottom)											
Spacing of Solid floors	28			28							
GIRDER, in Dbl. bottom, dpth. & thcknss	77	1 46	47	77	1 46						
" " Angles, Top	3 1/2	3 1/2	50	3 1/2	3 1/2						
" " Bottom	6	6	48	6	6						
" " to Floors	5	5	60	5	5						
Brackets at intermdt. frng., wth & thcknss											
RDERS, number on each side & thickness	2	46	48	2	46						
state if flanged (top and bottom)											
" " Angles (top and bottom)	3 1/2	3 1/2	46	3 1/2	3 1/2						
" " to Floors	3	3	46	3	3						
PLATE, depth (exclusive of flange)	48			48							
" " and thickness	6	4	52	6	4						
" " Angle to Outside Plating											
" " Floors											
Brackets at intermdt. frng., wth & thcknss											
Height of Outside Brackets above at bilge											
BOTTOM PLATING, breadth and thickness of Middle Line Strake	47	48	64	47	48						
" " in Engine and Boiler space											
" " Remainder in Hold											
Upper Deck, Single Angle, Bulb											
Angle, Plate, Tee Bulb, or Channel											
In way of Long Bridge											
Spacing											
Second Deck, Single Angle, Bulb											
Angle, Plate, Tee Bulb, or Channel											
Spacing											
Third and Fourth Deck, Single Angle											
Bulb Angle, Plate, Tee Bulb, or Channel											
Angles on upper edge											
Spacing											
Poop Deck, Angle, Bulb Angle, Plate	10 1/2	3 1/2	56	10 1/2	3 1/2						
Tee Bulb, or Channel											
Angles on upper edge											
Spacing	56			56							
Bridge Deck, Angle, Bulb Angle, Plate	9	3 1/2	50	9	3 1/2						
Tee Bulb, or Channel											
Angles on upper edge											
Spacing	54 1/2			54 1/2							
BEAMS, Forecastle Deck, Angle, Bulb Angle	11 1/2	3 1/2	62	11 1/2	3 1/2						
Plate, Tee Bulb, or Channel											
Angles on upper edge	12	3 1/2	50	12	3 1/2						
Spacing	56	50	48	56	50						

WEB FRAMES.		Inches in Ship.	Inches in Ship.	Inches per Rule, Or as Approved.	Inches per Rule, Or as Approved.	FORGINGS OR CASTINGS.		Inches in Ship.	Inches per Rule, Or as Approved.										
WEB-FRAMES, In Fore Body, No. and spacing						KEEL, Bar, depth and thickness													
" " " brdth. & thickness						STEM, moulding and thickness				11 x 2 7/8									
" No. of Side Stringers " "						STERN-POST for Rudder do. do. } STEEL				9 1/2 x 8 1/2									
WEB-FRAMES, In E. & B. Space, No. & spacing						" for Propeller } CASTING				11 x 8 1/2									
" " " brdth. & thickness						RUDDER-A x D* Table 22. Speed				9 1/2 x 9 1/2									
" " " brdth. & thickness						" Main-Piece, diameter at head				13									
" No. of Side Stringers " "						" " " at heel				9 3/4									
" Size of Face Angles to Web-Frames.....																			
BRACKET PLATES to Stringers between Web Frames, depth and thickness.....																			
SEE PAGE 4.																			
BULKHEADS.		Number.	Thickness.	STIFFENERS.		Single or Double Frames.	Height up, state deck.	RUDDER, how constructed											
		Vessel.	Per Rule.	Horizontal.	Vertical.			BUILT FORGING.											
				Size.	Spacing.			Thickness of Plates or Single Plate											
				Inches.	Inches.			Can the Rudder be unshipped afloat?											
W.T.BULKHEADS		17.	52/42	11 x 3 1/2	36	33 x 44	11' 1" DOUBLE	YES.											
				7 x 3 1/2	44	19' 10"	6' 7 1/2" D.												
				8' 4"		FROM CENTRE.													
				OIL FUEL AND COFFER DAM BULKHEADS AS PER APPROVED PLANS.															
" COLLISION "				54/26	2	DK FLATS	10 x 3 1/2	24' SINGLE U.D.											
" PARTITION "				44/26	1	"	10 x 3 1/2	24' "											
LONGITUDINAL,,				56/42	11 x 3 1/2	48	35	39 x 44											
				70	8 x 3 1/2	40		9' 4" DOUBLE											
Are the outside Plates doubled two spaces of Frames in length? LONG FRAMING.																			
Are the Sluice Valves and Watertight Doors in efficient working order? NONE.																			
PLATING.						RIVETING.													
STRAKES.		AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES, Ordinary or jogged? ORDINARY.		BUTTS.									
		AMIDSHIP.		FORWARD.		AFT.		Single or Double.		Double or Treble and for what Length.		RIVETS.		STRAPS.		IF LAPPED.			
		Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Diam.	Spacing cr. to cr.	Breadth.	Thickness.	Breadth.	For what Length.		
		Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Feet.		
FLAT PLATE KEEL.....		60.	1.06	76	76	60.	1.06.	DOUBLE.	6 3/4	1 1/8	4	DOUBLE.	3 R	1 1/8	4	21	72 x 60		
GARBOARD OR A Strake			72	50	50		72		6	1	3 1/2	4 R	1 1/8	1	3 1/2	18 1/2	FULL		
State actual thickness in way of Double Bottom.																			
B "																			
C "																			
D "																			
E "																			
F "								TREBLE.	10										
G "			66	48	48		66												
H "																			
J "			72				72	DOUBLE.	6										
K "			72				72												
L "			81				76		6 3/4	1 1/8	4								
SHEER STRAKE M		53.	1.04			53.	94					5 R	6 R	1 1/8	4 1/2	20 3/4			
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																			
Length and thickness.																			
POOP SIDES.....					38		38	SINGLE.	2 1/2	3/4	3	DOUBLE.	3/4	2 5/8		5			
SHORT BRIDGE SIDES...			44				44	DOUBLE.	4 1/2			TREBLE.				7 1/2			
FORECASTLE SIDES.....				44			44	SINGLE.	2 1/2			DOUBLE.				5			
* Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.																			
Upper Deck		Butts, QUAD riveted for TO TREBLE.						Butts of Side Stringers						riveted.					
Stringer Plate		AND. Straps, single, double or overlapped for FULL.						" Tie Plates						riveted.					
Second Deck		Butts, TREBLE riveted fore AND AFT.						Inner Bottom Plating, riveting of Edges						DOUBLE AND SINGLE. Butts SINGLE.					
Stringer Plate		AND. Straps, single or overlapped for FULL.						Centre Girder Butts, TREBLE riveted.						Keelson Butts, riveted.					
								Frames, riveted through Plates with 1" in. Rivets.						SPACED TO SUIT.					
								Rivets, state whether Iron or Steel IRON.						MULTIPLE PUNCHING AS PER APPD PLAN.					
FRAMES extend in one length from } to State if ordinary or jogged																			
REVERSED FRAMES on floors and frames extend from } LONGITUDINAL FRAMING. State if ordinary or jogged																			
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	STEEL.	77' 0"		20 x 46	16 x 26	6 x 3/16	TWO			SINGLE	TREBLE						
		Main		79' 6"															
		Minor																	
Bowsprit																			
Topmasts, Yards and Remainder of Spars																			
Rigging, Material and Size, Shrouds			G.S.W.	3'					Stays	2 3/4									
Sails.				Suit of					Sails, and the following spare sails										

PARTICULARS OF LONGITUDINAL FRAMING.

GENERAL

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.	
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Spacing of Rivets on each side of Transverses and Bulkheads.	
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.
Framing of L, L & C AND															
Frames in Bridge 'tween Decks ...		TRANSVERSE FRAMING.													
Frames from Uppermost Continuous Deck															
No. 1		8	3 1/2	40	8	3 1/2	40	8	3 1/2	40	8	3 1/2	40	1 1/8	6 3/4
" 2		"	"	"	"	"	"	"	"	"	"	"	"	1	6.
" 3		9	3 1/2	42	9	3 1/2	42	9	3 1/2	42	9	3 1/2	42	1	7.
" 4		9	3 1/2	46	9	3 1/2	46	9	3 1/2	46	9	3 1/2	46	1	"
" 5		10	3 1/2	44	10	3 1/2	44	10	3 1/2	44	10	3 1/2	44	1	"
" 6		10	3 1/2	46	10	3 1/2	46	10	3 1/2	46	10	3 1/2	46	1	"
" 7		11	3 1/2	44	11	3 1/2	44	11	3 1/2	44	11	3 1/2	44	1	"
" 8		11	3 1/2	48	11	3 1/2	48	11	3 1/2	48	11	3 1/2	48	1	Suppl.
" 9		11	3 1/2	52	11	3 1/2	52	11	3 1/2	52	11	3 1/2	52	1	"
" 10		11	3 1/2	66	11	3 1/2	66	11	3 1/2	66	11	3 1/2	66	1	"
" 11		15	3 1/2	46	15	3 1/2	46	15	3 1/2	46	15	3 1/2	46	1	"
" 12		"	"	"	"	"	"	"	"	"	"	"	"	1	"
" 13		"	"	"	"	"	"	"	"	"	"	"	"	1	"
" 14		"	"	"	"	"	"	"	"	"	"	"	"	1	"
" 15		"	"	"	"	"	"	"	"	"	"	"	"	1	"
" 16		"	"	"	"	"	"	"	"	"	"	"	"	1	"
" 17		"	"	"	"	"	"	"	"	"	"	"	"	1	"
" 18		"	"	"	"	"	"	"	"	"	"	"	"	1	"
Spacing of Longitudinal Frames		Amidships 3 1/2, 3 1/2, 16			At Ends 3 1/2, 3 1/2, 19			Amidships 3 1/2, 3 1/2, 16			At Ends 3 1/2, 3 1/2, 19			RIVETS ARRANGED TO SUIT MULTIPLE RUNCHINS AS PER APPROVED PLANS	
Double Bottoms L, L or C		Transverse double bottom in E & B. space only.													
Tank Top Longitudinals															
Bottom															
Spacing of Longitudinals		Amidships At Ends...													
Transverses.															
In Bridge Floors 'tween Decks		Depth and Thickness		52 x 48		52 x 48		52 x 48		52 x 48		52 x 48		Rivets in Lugs to Shell Diam. Spacing.	
Face Angles		10 x 3 1/2		6 1/2		10 x 3 1/2		6 1/2		10 x 3 1/2		6 1/2		IN E & B. SPACE IN CARGO. HO	
Lugs to Shell*		6 x 46		6 x 46		6 x 46		6 x 46		6 x 46		6 x 46		1. 4.	
In Awaing, Shelter or Upper 'tween Decks.		Depth and Thickness		18 x 40		18 x 40		18 x 40		18 x 40		18 x 40		21 x 44. ✓	
Face Angles		3 1/2 x 40		3 1/2 x 40		3 1/2 x 40		3 1/2 x 40		3 1/2 x 40		3 1/2 x 40		6 x 3 x 50. ✓	
Lugs to Shell*		3 1/2 x 40		3 1/2 x 40		3 1/2 x 40		3 1/2 x 40		3 1/2 x 40		3 1/2 x 40		3 1/2 x 3 1/2 x 40. ✓	
Depth and Thickness		39 x 48		39 x 48		39 x 48		39 x 48		39 x 48		39 x 48		26 x 32 x 72. ✓	
Face Angles		6 x 3 1/2		6 x 3 1/2		6 x 3 1/2		6 x 3 1/2		6 x 3 1/2		6 x 3 1/2		7 x 3 1/2 x 54 B.A. ✓	
Lugs to Shell*		6 x 46		6 x 46		6 x 46		6 x 46		6 x 46		6 x 46		6 x 6 x 46. ✓	
In Hold.		Depth and Thickness		48		48		48		48		48		46. ✓	
Face Angles		9 x 4		9 x 4		9 x 4		9 x 4		9 x 4		9 x 4		9 x 4 x 8. ✓	
Lugs to Shell*		9 x 4		9 x 4		9 x 4		9 x 4		9 x 4		9 x 4		9 x 4 x 8. ✓	
Brackets		JUGGLED		JUGGLED		JUGGLED		JUGGLED		JUGGLED		JUGGLED		JUGGLED	
Spacing of Transverse Frames		JUGGLED													
* State if joggled or liners.															
Longitudinal Beams of L, L or C															
Bridge Deck ...															
Avg. or Shldr. Dr.															
Upper		7 x 3		7 x 3		7 x 3		7 x 3		7 x 3		7 x 3		2' 10 3/4. ✓	
Second		8 x 3		8 x 3		8 x 3		8 x 3		8 x 3		8 x 3		2' 7 1/2. ✓	
Third															

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

5c.4.19.—T.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 121.78 ft., R.Q.D. ✓ ft., Bridge 34.75 ft., Forecastle 40.3 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

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 DECKS (STL) 7 WEB FRAMES.

Official No. 146,543; Signal Letters

State if Machinery is fitted aft YES.

How are the surfaces preserved from oxidation? Inside BY PORTLAND CEMENT & PAINT OUTSIDE BY PAINT. OIL SPACES.

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓	✓	Fore peak tank,		
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,		
Double bottom, if under Engines only, 9 FT.	46.66	128.	Deep tank, aft,		
Double bottom, if under Boilers only,	28.0	103.	Deep tank, forward,	36.33	420.
Double bottom, forward, DRY TANK.	14.0	✓	Other tanks, if fitted,		
Total capacity of double bottom		231.	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks. 88.66

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

Order for Special Survey No. 3062

Date 14th January, 1921

No. 351 in builder's yard.

DATES OF SURVEYS held while building

1920. Dec. 14. (1921). Jan. 17. 28. Feb. 1. 3. 8. 10. 14. 16. 18. 23. 24. Mar. 2. 8. 9. 11. 14. 16. 17. 22. 24. Apr. 12. 18. 20. 25. 26. 27. 28. May. 2. 5. 9. 11. 13. 16. 19. 24. 25. 26. 27. 31. June 2. 15. 21. 22. 28. July 14. 15. 18. 19. 21. 25. 26. 27. 28. 29. Aug. 1. 2. 3. 4. 5. 8. 9. 12. 18. 19. 23. 25. Sept. 1. 9. 13. 15. 20. 22. 27. Oct. 4. 6. 7. 12. 19. 20. 21. 25. 27. 28. Nov. 1. 2. 3. 4. 7. 8. 10. 11. 14. 16. 17. 18. 21. 22. 24. 25. 28. 29. Dec. 1. 2. 5. 7. 8. 9. 13. 15. 16. 17. 20. 21. 23. 27. 29. (1922). Jan. 12. 16. 18. 25. 26. 27. 31. Feb. 13. 17. 22. 28. Mar. 6. 13. 16. 17. 21. 25. 29. 30. 31. Apr. 5. 8. 12.

Total No. of Visits 143.

Surveyor's Signature J. R. Macleod, R. D. Cairns, A. W. M.