Rpt. 1.

STEEL STEAMER ~~MOTORSHIP~~

Received at London Office 31 MAY 1926

State if Report has been sent on the Freeboard of the Vessel Yes.

State if Report is sent on the Machinery of the Vessel Yes.

Date of completion of report 27th May 1926 Port of Belfast. No. 9552

Survey held at Belfast. Date First Survey 23rd Dec. 1925 Last Survey 20th May 1926

On the (*State if Machinery fitted Aft and if Single, Twin or Triple Screw*) Twin Screw "SAN NICOLAS"

State Type (*Full Scantling, Complete Superstructure with or without Tonnage Openings*) Restricted Draught & Service, carrying petroleum in bulk. State Type of Erections Poop & Forecastle & Longitudinal Trunk.

TONNAGE under Tonnage Deck 1742·83

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

Total 1742·83

Gross Tonnage 2391·21

Register Tonnage 1238·89

REGISTERED DIMENSIONS.

	FEET.
Length	305·7
Breadth	50·25
Depth	14·3

CLASS ✠ 100 A1 *State if with freeboard as condition of Class* Yes.

	FEET.	
Length *from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)*	L	305
Breadth *(greatest moulded)*	B	50
Depth, *at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)*	D	15
1st Longitudinal Number (L × D)	=	4575
2nd Numeral L × (B + D)	=	19825
Framing Depth "d," *at middle of length. See Sec. 3 (1d)*		13·25
Proportions—*Depth to Length—Uppermost continuous deck to top of keel*		20·33
Do. Long Bridge to top of keel		13·45
Draught Moulded		11'-0"

Built at Belfast.

Launched 15th April 1926 Yard No. 739

Builders Harland & Wolff Ltd.

Owners Lago Shipping Co Ltd.

Managers A. Weir & Co.

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

Residence

Port of Registry London

If surveyed while building, afloat, ~~or~~ and in dry dock Yes.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships		24		
„ „ from ⅛ length to Collision bulkhead		24		
„ „ in peaks		24		
SIDE FRAMING. Bulb Angles	6½	3	·46	in way of Ballast Spaces.
Frame Amidships, ~~Angle, [or~~ [	6	3	·36	
„ „ Extends up to Upper & Forecastle Decks & alternately to Poops.				
Bottom framing angles **Reversed Frame Amidships,** Angle none except on floors for ½ of 3/5 L	3½	3	·38	
„ „ Extends up to	3	3	·36	
Depth of Framing Girder 6 and in Ballast Spaces 6½				
Frames in Uppermost Continuous 'tween Decks, Angle, [or [				
„ „ **Second 'tween Decks,** Angle, [or [				
„ „ **Third** „ „ „ „				
Framing in Peaks, Angle	6	3	·34	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	¾" @ 5½" and in Ballast Spaces and Peaks & Bottom for ½ spaced 4½"			
State if Frame Joggled	Yes.			
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	13 Web & 6×3·34 angle side stringer and one tier of panting beams in Peaks			
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Double frames to floors and 2 extra intercostal side keelsons and midships thickness of shell maintained forrd to collision bulkhead			
SINGLE BOTTOM.				
Floors, Depth and thickness at mid-line in Holds	21		·36	in Oil Tanks ·38
Height of Brackets at side above base line at toe of frame		4·0"		
Middle Line Keelson, ~~on Floors, Angles,~~ Single ~~[or~~ [on upper edge	7½	3	·48	
„ „ „ Through Plate ~~or Intercostal Plate~~	42		·44	
„ „ „ ~~Foundation Plate on Floors~~				
„ „ „ Flat Plate Keel Angles	4	4	·54	
Side Keelsons, No. each side one & Longitudinal Bulkhead.				
„ „ thickness of Intercostal Plate		·38 & ·36		
„ „ ~~Angles~~ Single Channel	6×3½×3½		·48 ·46	& in lieu of W 6×3½×·56 13Q
DOUBLE BOTTOM.				
Solid Floors, thickness and spacing				
„ „ Are Frame and Reversed Frame joggled?				
Bracket Floors, breadth and thickness at middle line				
„ „ breadth and thickness at margin plate				

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
Bracket Floors, Frame				
„ „ Reversed Frame				
„ „ Vertical Struts				
Centre Girder, depth and thickness amidships				
„ „ top Angles				
„ „ bottom Angles				
Side Girders, No. each side and thickness				
Margin Plate depth (excl. of flange) and thickness				
„ „ Vertical Angle to Tank side Bracket abaft ¼ len. from stem				
„ „ Vertical Angle to Tank side Bracket forward ¼ len. from stem				
„ „ Gussets, spacing and scantling abaft ¼ len. from stem				
„ „ Gussets, spacing and scantling forward ¼ len. from stem				
Tank Side Brackets, height above base line at toe of Frame and thickness				
INNER BOTTOM PLATING.				
Breadth and thickness of Middle Line Strake				
Thickness of remainder in Holds				
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?				
BEAMS.				
Uppermost Continuous Deck, amidships ~~in Wells, Angle, [or~~ [	5½	3	·34	
„ „ ~~in way of Bridge, Angle, [or [~~				
Spacing		24		
Second Deck, amidships, Angle, [or [				
Spacing				
Third Deck, amidships, Angle, [or [				
Spacing				
Fourth Deck, amidships, Angle, [or [				
Spacing				
Poop Deck, ~~Angle, [or~~ [	6½	3	·44	
Spacing		24		
Longitudinal Trunk **~~Bridge Deck,~~** Angle, [or [	6½	3	·36	
Spacing		24		
Forecastle Deck, ~~Angle, [or~~ [	5½	3	·30	
Spacing		24		

1m,7,25. T.

© 2019 Lloyd's Register Foundation

W214-0223(112)

PILLARS AND DECKS.

	Inches in Ship.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.. ~~one~~ ~~six~~ frames.. apart.		
„ ~~in 'tween Decks, Size and Spacing~~.....		
„ „ „ „ „		
„ in Holds „ „	9×4×4×.62 Double channel.	
„ „ „ „ „		
LONGITUDINAL TRUNK BULKHEADS 14'6" each side of centre.		
~~Centre Line Bulkhead.~~		
Stiffeners and Spacing. Bulb. Angles.....	5½ 3 .36	spaced 24"
Plating, thickness of Below Dk. .40. .38 .36. Above Deck .42 .48		
STRINGERS AND DECKS.		
Uppermost Continuous Deck.		
Stringer Plate, breadth and thickness ~~in Wells~~	64 × .40 to .36	
„ „ „ „ ~~in way of Bridge~~		
„ Angle ~~in Wells~~	5 5 .40	
Thickness of Plating abreast Deck openings in way of Wells.....	.40	
Thickness of Plating abreast Deck openings in way of Bridge		
Thickness of Plating within line of openings...	.30 at ends.	
If Sheathed, material and thickness		
~~**Second Deck.**~~		
~~Stringer Plate, breadth and thickness in Wells~~...		

	Inches in Ship.	Any Departure from Approved Plans to be Noted.
Stringer Plate, breadth and thickness in way of Bridge		
Thickness of Plating abreast Deck openings in way of Wells		
Thickness of Plating abreast Deck openings in way of Bridge		
Thickness of Plating within line of openings...		
If Sheathed, material and thickness		
Third Deck.		
Stringer Plate, breadth and thickness.....		
If Plated, state thickness.....		
Fourth Deck.		
Stringer Plate, breadth and thickness.....		
If Plated, state thickness		
Poop Deck.		
Stringer Plate, breadth and thickness	28 × .32	
Plating, ~~Sheathing, material and~~ thickness ...	Steel .30	
LONGITUDINAL TRUNK		
~~**Bridge Deck.**~~		
Stringer Plate, breadth and thickness.....	60 × .48	
Plating, ~~Sheathing, material and~~ thickness ...	Steel .48	
Forecastle Deck.		
Stringer Plate, breadth and thickness.....	28 .32	
Plating, ~~Sheathing, material and~~ thickness ..	Steel .30 & .40 in way of windlass.	

SHELL PLATING.

SCANTLINGS.

STRAKES.	As in Vessel. Amidships. Breadth.	Amidships. Thickness.	Forward. Thickness.	Aft. Thickness.	Any Departure from Approved Plans to be Noted.
	Inches.	Inches.	Inches.	Inches.	
Flat Plate Keel	44	.84	.52	.52	
„ Dblg. (if any)		none.			
Bottom Plating, No. of Strakes 4.....	66	3@.54, 1@.52	.42	.42	
Bilge Plating, No. of Strakes 1.....	63½	.50	.40	.40	Upper edge double riveted in lieu of single.
Side Plating, No. of Strakes 2.....	48	.48	.40	.40	
Upper Deck, Sheer-strake in Wells.....	49	.48	.40	.40	
Upper Deck, Sheer-strake in Bridge ...					
Strake below Sheer-strake in Wells.....					
Strake below Sheer-strake in Bridge ...					
Poop Side Plating				.34	
Bridge Side Plating ...					
Forec'tle Side Plating				.34	

RIVETING.

	Edges. State if joggled? no. Single or Double.	Edges. Rivets. Diam.	Edges. Rivets. Spacing cr. to cr.	Butts. No. of Rows of Rivets.	Butts. Rivets. Diam.	Butts. Rivets. Spacing cr. to cr.	Butts. Strapped or Lapped.
		Inches.	Inches.		Inches.	Inches.	
Flat Plate Keel	Double	1"	4"	4	1"	3½"	Lap.
„ Dblg. (if any)							
Bottom Plating, No. of Strakes 4.....	Double	⅞	3¾"	3	⅞"	3⅛	Lap.
Bilge Plating, No. of Strakes 1.....	-	-	-	3	-	-	-
Side Plating, No. of Strakes 2.....	Single	¾"	3	3	¾	2⅝	-
Upper Deck, Sheer-strake in Wells.....				3	-	-	-
Upper Deck, Sheer-strake in Bridge ...							
Strake below Sheer-strake in Wells.....							
Strake below Sheer-strake in Bridge ...							
Poop Side Plating	Single	¾"	2½	2	⅝	2¼"	Lap.
Bridge Side Plating ...							
Forec'tle Side Plating	-	-	-	-	-	-	-

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 *c*) Seven

„ Deck next below

As per Rule Five

	Plating Thickness.	Stiffeners. Vertical. Scantlings.	Stiffeners. Vertical. Spacing.	Stiffeners. Horizontal. Scantlings.	Stiffeners. Horizontal. Spacing.
MIDSHIP BULKH'D, ~~Upper~~ tween decks					
„ „ Deep Tanks	.32	9×3×.50	13a 25	none.	
„ „ ~~Second~~ „ Hold Wings	.30	6×3×.36	13a 31½	none.	
„ „ ~~Third~~ „ Oil Bhds	.38 & .30	6×3×.30	13a 22"	15 semi Box Beam	
„ „ ~~Holds~~					
COLLISION „ (in Hold)	.40 & .28	6½×3×.38	13a 24"	24 semi Box Bm	
AFTER PEAK „ „	.48 & .30	6×3×.34	13a 24"	4 Lower Deck	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM ..... Forging	Forging	7¼ × 1⅞		
STERN FRAME { Propeller Post				
STERN FRAME { Rudder „	-	7¼ × 2½	Emerson Walker.	
RUDDER—A×D 442				
Speed of Vessel .... 9 Knots.				
RUDDER mainpiece at head ...	Forging	9½"	Emerson Walker.	
„ „ heel ...	-	7¼"		
„ how constructed	Single Plate Keyed Arms.			
„ double or single plate				
„ coupling, vertical or horizontal.....	Vertical			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) D. Colville & Sons plates and bars. Siemens open hearth.

Has the Steel been tested as required by the Rules? Yes.

© 2019 Lloyd's Register Foundation

PILLARS AND DECKS.

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows ~~fifth~~ ~~six~~ fourteen apart.				
" ~~in Tween Decks, Size and Spacing~~				
" " " " "				
" in Holds " "	9½	4½	6½	Double channel.
LONGITUDINAL TRUNK BULKHEADS 14·6 each side of centre.				
~~Centre line Bulkhead.~~				
Stiffeners and Spacing Bulb Angles	5½	3	·36	spaced 24"
Plating, thickness of Below D.K. ·28 ·32 Above Deck	·32	·40		
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness ~~in Wells~~	64	×	·36	
" " " " ~~in way of Bridge~~				
" Angle ~~in Wells~~	5	5	·40	
Thickness of Plating abreast Deck openings in way of Wells			·40	
Thickness of Plating abreast Deck openings in way of Bridge				
Thickness of Plating within line of openings	·30	at ends.		
If Sheathed, material and thickness				
~~Second Deck.~~				
~~Stringer Plate, breadth and thickness in Wells~~				
Stringer Plate, breadth and thickness in way of Bridge				
Thickness of Plating abreast Deck openings in way of Wells				
Thickness of Plating abreast Deck openings in way of Bridge				
Thickness of Plating within line of openings				
If Sheathed, material and thickness				
Third Deck.				
Stringer Plate, breadth and thickness				
If Plated, state thickness				
Fourth Deck.				
Stringer Plate, breadth and thickness				
If Plated, state thickness				
Poop Deck.				
Stringer Plate, breadth and thickness	28	×	·32	
Plating, ~~Sheathing, material and~~ thickness	Steel		·30	
LONGITUDINAL TRUNK				
~~**Bridge Deck.**~~				
Stringer Plate, breadth and thickness	60	×	·48	
Plating, ~~Sheathing, material and~~ thickness	Steel		·48	
Forecastle Deck.				
Stringer Plate, breadth and thickness	28		·32	
Plating, ~~Sheathing, material and~~ thickness	Steel	·30 & ·40		in way of windlass.

SHELL PLATING.

SCANTLINGS.

STRAKES.	AS IN VESSEL. Amidships. Breadth.	Amidships. Thickness.	Forward. Thickness.	Aft. Thickness.	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.
	Inches.	Inches.	Inches.	Inches.	
Flat Plate Keel	44	·84	·52	·52	
" Delg. (if any)		none.			
Bottom Plating, No. of Strakes 6	66	3@ ·54, 1@ ·52	·42	·42	
Bilge Plating, No. of Strakes 1	63½	·50	·40	·40	Upper edge double riveted in lieu of single.
Side Plating, No. of Strakes 2	48	·48	·40	·40	
Upper Deck, Sheer-strake in Wells	49	·48	·40	·40	
Upper Deck, Sheer-strake in Bridge					

RIVETING.

EDGES. State if joggled? no. Single or Double	Rivets. Diam.	Rivets. Spacing cr. to cr.	BUTTS. No. of Rows of Rivets.	Rivets. Diam.	Rivets. Spacing cr. to cr.	Strapped or Lapped.
	Inches.	Inches.		Inches.	Inches.	
Double	1"	4"	4	1"	3½	Lap.
Double	⅞	3¾"	3	⅞"	3⅛	Lap.
"	"	"	3	"	"	"
Single	¾	3	3	¾	2⅞	"
			3			

EQUIPMENT No. 1 LETTER "t". ANCHORS.

Number of Certificate.	Anchors.	Weight, Ex. Stock. Cwts.	qrs.	lbs.	Weight of Stock. Cwts.	qrs.	lbs.	Test, per Certificate. Tons.	cwts.	qrs.	lbs.	Weight required by Table 53. Cwts.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
59385	1st Bower	40	3	14	28	0	22	36	6	1	0	42	Hallo patent stockless	J. Wright & Co. Ltd	Tipton 3-2-26 Dryadale
59384	2nd "	40	2	21	28	0	14	36	4	1	14	42	" " "	" " "	" " "
59386	3rd "	40	2	0	28	0	7	36	2	2	0	35½	" " "	" " "	" " "
	Collective weight.	121	3	25								119½			
59518	Stream	11	3	7	2	3	25	13	12	2	0	11	Rodgers	J. Wright & Co.	Tipton 8-3-26 Dryadale.

CHAIN CABLES. HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied. Length. Fathoms.	Diam. Ins.	Test per Certificate. Statutory. Tons.	Breaking. Tons.	Weight of Chain Cable. Supplied. Cwts. qrs. lbs.	Per Rule. Cwts.	Length and Size per Table 53. Length. Fathoms.	Diam. Ins.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied. Length. Fathoms.	Ins.	Breaking Test of Steel Wire. Tons.	Length and Size per Table 53. Length. Fathoms.	Ins.
60466	120⅔	1⅞	63·5	88·10	213-0-7		240	1⅞	Stud	J. Wright & Co. Ltd	Tipton 1-3-26 Dryadale	CABLELINE	100	4	33	100	4
60497	120½	1⅞	63·5	88·10	213-0-4	425-1-0	"	"	"	"	16-3-26 "	HAWSERS & WARPS	90	2½	12½	90	2½
												"	90	2½	12½	90	2½
~~Iron Strand~~ ~~Chain~~ or Steel Wire	75	Cir. 4¼	35				75	Cir. 4¼	Steel Wire	Barrow Bibby & Co.		"	90	2½	12½	90	2½
											Maker's certificate examined		90	2½	12½	90	2½

Steering Gear, Steam Harland & Wolff. Wilson & Pirrie patent **Steering Gear, Hand** Relieving Tackle.

Boats 2 Life Boats, 1 Surf Boat **Steering Chains,** Size and Test none **Windlass** Emerson Walker steam

Ceiling in Holds, thickness and material none **Cargo Battens,** thickness, material and spacing none.

Cargo Hatchways.—(Upper Deck) Oiltight covers. **Thickness of Hatches** ✓

Size of **No. 1 Hatchway** (Forward) ✓ **No. 2** ✓ **No. 3** ✓ **No. 4** ✓ **No. 5** ✓ **No. 6** ✓

Number of **Shifting Beams** and/or **Fore** and **Afters** ✓

For HARLAND AND WOLFF, LIMITED.

Builder's Signature Chas Payne

GENERAL DECLARATION This vessel has been built in accordance with the plans approved by the Committee, the Secretary's letters and in general conformity with the Rules, and the workmanship and materials are good throughout.

The cargo oil tanks, coffer dams, and ballast tanks have been tested as required by the Rules with satisfactory results. The weather decks and watertight bulkheads have been tested by hose and found good, and the steering gear, windlass, engine bilge pumps and hand pumps have been tested under working conditions and found good.

The freeboard has been verified and cut in on the vessel's sides.

Four forging and casting reports, together with approved sketches of Midship Section Profile & Deck plans (3 plans) are enclosed herewith for reference. Please return the plans to this office for dealing with the sister vessel No. 506.

© 2019 Lloyd's Register Foundation

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 a List of the Plans should be embodied.*)

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

1st Bower 2 qrs 11 lbs 26-0-25 H·B № 2526 19th June 1925

2nd ,, 26-0-25 HB № 2527 19th June 1925

3rd ,, 26-0-25 HB № 2528 19th June 1925

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 66·6 ft., ~~R.Q.D.~~ ft., Longitudinal Trunk 204 ft. ~~Bridge~~ ft., Forecastle 34·4 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*) 1 Dk (Stl) 7 Bkds.

Official No. 148763 ; Signal Letters ____ Is bottom of Vessel coated with cement Yes in places if not give particulars of composition Bitumastic in E & B space, Cement in Peaks & Ballast Tanks, Paint in Pumps Room & Buoyancy spaces. nothing in way of cargo tanks and coffer dam

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity Tons.
Double bottom, aft,			Fore peak tank,		60
Double bottom, under Engines and Boilers,			After peak tank,		75
Double bottom, if under Engines only,			~~Deep tank~~, aft, wing tanks	38	356
Double bottom, if under Boilers only,			~~Deep tank~~, forward, wing tanks	40	286
Double bottom, forward,			Other tanks, if fitted,		
	Total capacity of double bottom		(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. 759

Date 11th Janry 1926

Dates of Surveys held while building: 1925 Dec 23 - 1926 Jan 5-11-14-18-19-22-29 Feby 2-3-10-12-16-18-23-25 Mar 2-3-10-11-16-17-18-20-23-2[illegible]
1926 Mar 27-30-31 Apr 1-7-8-9-14-20-27-30 May 3-10-12-13-14-17-18-20

Total No. of Visits 45

Rpt. 4.

Date of writing

These parti
Signal Letters (

Official N

148,763.

No., Date, and

Whether Britis
Foreign Buil

British

Number of De
Number of Ma
Rigged ...
Stern ...
Build ...
Galleries ...
Head ...
Framework an
vessel ...
Number of Bul
Number of wa
and their cap

Total to quarter the
to bottom of k

No. of sets of Engines.

Two Direct
Expans
inve

No. of Shafts.

Two

Descriptio
Number ..
Iron or Ste
Loaded Pr

Under Tonnage
Space or spaces
Turret or Trunk
Forecastle ...
Bridge space
Poop or ~~Break~~
Side Houses
Deck Houses
Chart House
Spaces for mach
Section 78 (2)
1894 ...
Excess of Hatch

Gross
Deductions, as p
Registe

Note 1.—The tonna
propellin

Note 2.—The unde

Forecas
Op

Name o

No. of Owners
Name, Residenc

Lago Sh
21

Sha

Dated 11

(830) (334976) Wt.

© 2013 Lloyd's Register Foundation