

3 Decks.

IRON OR STEEL STEAMER.

Received at London Office JUNE 23 JUN 1903

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

Date of completion of report

Port of GREENOCK

No. 13655

Survey held at

Date, First Survey

11th July 1902

Last Survey

10th June 1903

On the steel screw steamer

SCHUYLKILL

Rig Schooner

TONNAGE under 4811.37

THREE DECKED VESSEL.

Do. between Tonnage Dk. and 2nd and 4th Dk.

CLASS 100 A-1 SHELTER DK

Total under Upper Dk. 4811.37

Half Breadth (moulded) 26.00

Do. of Poop 111.75

Depth from upper part of Keel to top of Upper Deck Beams 31.54

Do. of Bridge House 49.17

Girth of Half Midship Frame (as per Rule) 53.70

Do. of Forecastle 97.32

deduct 7 feet 7.00

Do. of Houses on Dk. 47.12

1st Number 104.24

Do. of excess of Hatchways 5.04

Length on deck from after part of stem to fore part of stern post 409.7

Do. above Crown of Engine Room 53.99

2nd Number 42707

Gross Tonnage 5175.76

Proportions—Breadth to Length 7.87

Less Crew Space 141.89

Depth to Length—Upper Deck to top of Keel 12.989

Less above Crown of Engine Room 53.99

Main Deck ditto 17.78

TONNAGE FOR FEES 4979.88

Destined Voyage New York

Less Engine Room 1656.24

Surveyed while Building, Afloat, or in Dry Dock

Less Navigation Spaces 33.92

Register Tonnage 3343.71

Master R. Nicholas

Year of appointment 1903

Built at Port Glasgow

When built 1903 Launched 30th April 1903

By whom built Russell & Co.

Owners Anglo American Oil Co. Ltd

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

Residence 22 Billiter Street London

Port belonging to London

Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
409	8 1/2	Moulded	52	0	Do. do. do. do.	Main Dk. Beams	19	2 1/2	Two
ms of Ship per Register, Length 411.8 breadth 52.35 depth 27.6 Moulded depth, ft. 30 ins. 6 To Upper Dk. Round of Upper Dk. Beam, Actual 12 1/2 ins.									

FRAMING.				FORGINGS OF CASTINGS.				Inches in Ship.		Inches per Rule. Or as Approved.			
Inches in Ship	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved	Inches in Ship	Inches in Ship.	Inches per Rule Or as Approved	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved	Inches in Ship.	Inches per Rule Or as Approved		
E, Angles, or Bars for 1/2 length amidships	6	3 1/2	10	6	3 1/2	10	KEEL, Bar or Side Plates, depth and thickness	11 1/2 x 3 1/2	11 1/2 x 3 1/2				
or 1/2 at each end	6	3 1/2	9	6	3 1/2	9	STEM, moulding and thickness	11 1/2 x 7 1/2	11 1/2 x 7 1/2				
in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	10-9	3 1/2	3 1/2	10-9	STERN-POST for Rudder do. do.	11 1/2 x 7 1/2	11 1/2 x 7 1/2				
" " at intermed. Bkts.							" for Propeller	10	10				
e of Frames from moulding edge to ding edge, all fore and aft	25			25			MAIN PIECE of Rudder, diameter at head	7 1/2	7 1/2				
FRAMING, Angles	7	3 1/2	10-9	7	3 1/2	10-9	" do. at heel						
FRAMING, depth of girder	10			10			RUDDER, how constructed						
RS, depth and thickness of Floor Plate at mid line for 1/2 length amidships							Can the Rudder be unshipped afloat?	YES					
in way of Engines and Boilers							KEELSONS & STRINGERS.						
thickness at the ends of vessel							CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate						
depth at 1/2 the half breadth, as per Rule							" Rider Plate						
height extended at the Bilges	78			77 1/2			" Bulb Plate to Intercoastal Keelson						
RS & BRACKETS in Cell Dble Bottoms	46	9		46	9		" Horizontal Plates on Floors						
" Distance apart	25			25			" Angles						
RE GIRDER, in Double bottom, depth and thickness	46	12		46	12		SIDE KEELSON, Angles						
" Angles, Top	4	4	10	4	4	10	" Bulb or Plate above floors, for length						
" Bottom	4 1/2	4 1/2	12	4 1/2	4 1/2	12	" Intercoastal Plate, for length						
GIRDERS, number on each side & thickness	Two	9	Two	9			" Attached to outside Plating with Angle						
" Angles	FLANGED TOP AND BOTTOM						BILGE KEELSON, Angles	6 1/2	4 1/2	13	6 1/2	4 1/2	13
IN PLATE, depth (exclusive of flange) and thickness	38	10		38	10		" Bulb or Plate above floors, for length						
" Angles to Outside Plating	FLANGED TO OUTSIDE PLATING						" Intercoastal Plate for length						
R BOTTOM PLATING, breadth and thickness of Middle Line Strake	54	10		36	10		" Attached to outside Plating with Angle	7	3 1/2	9	7	3 1/2	9
" in Engine and Boiler space		15		10-11			1. BILGE STRINGER Angles	6 1/2	4 1/2	14	6 1/2	4 1/2	14
" Remainder in Holds		8		8			" Bulb Plate for length	7	3 1/2	10	7	3 1/2	10
MS, Upper Deck, Single Angle, Bulb	7	3	9	7	3	9	" Intercoastal Plate for WHOLE length	6 1/2	4 1/2	14	6 1/2	4 1/2	14
" Angle, Plate or Tee Bulb	8	3 1/2	11	8	3 1/2	11	" Attached to outside Plating with Angle	7	3 1/2	10	7	3 1/2	10
" Angles on upper edge	25			25			2-SIDE STRINGER Angles	6 1/2	4 1/2	14	6 1/2	4 1/2	14
" Average space	7 1/2	3	9	7 1/2	3	9	" Bulb or Intercoastal Plate, for WHOLE length	7	3 1/2	10	7	3 1/2	10
MS, Middle Deck, Single Angle, Bulb	8 1/2	3 1/2	11	8 1/2	3 1/2	11	" Attached to outside plating with Angle	63	12		63	12	
" Angles on upper edge	25			25			" Angles on ditto	4 x 4	10		4 x 4	10	
" Average space	7 1/2	3	9	7 1/2	3	9	" Tie Plates fore and aft, outside Hatchways						
MS, Lower Deck, Single Angle, Bulb	8 1/2	3 1/2	11	8 1/2	3 1/2	11	" Deck, Iron or Steel, for WHOLE length		9-8			9-8	
" Angle, Plate or Tee Bulb	25			25			" Wood Deck, Material & thickness						
" Angles on upper edge							" Middle Deck Stringer Plate, br'dth & thickness	63	11		63	11	
" Average space							" Angles on ditto, No.	4 x 4	9		4 x 4	9	
MS, Hold, or Orlop, Plate or Tee Bulb							" Tie Plates outside Hatchways						
" Angle, Bulb Angle, Plate or Tee Bulb							" Diagonal Tie Plates on Bms., No. of prs.						
" Angles on upper edge							" Deck, Iron or Steel, for WHOLE length		7-6			7-6	
" Average space							" Wood Deck, Material & thickness						
MS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb							" Lower Deck Stringer Plate, br'dth & thickness						
" Angle, Bulb Angle, Plate or Tee Bulb							" Angles on ditto, No.						
" Angles on upper edge							" Tie Plates, outside Hatchways						
" Average space							" Deck, Material and thickness						
MS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb							" Hold, or Orlop Stringer Plate, br'dth & thickness						
" Angle, Bulb Angle, Plate or Tee Bulb							" Angles on ditto, No.						
" Angles on upper edge							" Tie Plates outside Hatchways						
" Average space							" Deck, Material and thickness						
LARS, In 'tween Deck, size and spacing							" Poop Deck Stringer Plate, breadth & thickness						
" Hold INC AT ENDS							" Angle on ditto						
" Quarter 'tween Dks., in Hold INC AT ENDS							" Tie Plates						
B-FRAMES, In Fore Body, No. and spacing							" Deck, Material and thickness						
" br'dth & thickness							" Forecastle Deck Stringer Plate, br'dth & thickness						
" No. of Side Stringers							" Angle on ditto						
B-FRAMES, In E. & B. Space, No. & spacing							" Tie Plates						
" br'dth & thickness							" Deck, Material and thickness						
B-FRAMES, In After Body, No. and spacing							" BULKHEADS.						
" br'dth & thickness							" Number, In Vessel, Per Rule.						
" No. of Side Stringers							" Thickness, Horizontal, Vertical.						
Size of Angles or Tee Bars to Web-Frames							" Size, Spacing, Inches, Inches, Inches, Spacing						
BRACKET PLATES to Stringers between Web-Frames, depth and thickness							" Single or Double Frames, Height up.						

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.	Inches.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	Breadth.	Thick-ness.	Breadth.	For what Length.	
	Inches.	1/16ths or 20ths	1/16ths or 20ths	1/16ths or 20ths	Inches.	1/16ths or 20ths				Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	1/16ths or 20ths	Inches.	Feet.	
FLAT PLATE KEEL.....	36	20	14	14	36	20	DOUBLE	6	1	4 8	QUAD. 10/5 L	1	3 1/2					14	WHOLE	
(If Bar Keel, state Riveting)	36	17	13	13	36	17	"	6-5 1/4	1-7/8	4 8-3 1/2	TREBLE W.L	1	"					10 1/2	"	
GARBOARD OR A Strake	60	12	10	10	60	12	"	5 1/4	7/8	3 1/2	QUAD. 1/2 W.L	7/8	"					12	"	
State actual thickness in way of Double Bottom.	60	12	10	10	60	12	"	"	"	"	"	"	"					"	"	
B	60	12	10	10	60	12	"	"	"	"	"	"	"					"	"	
C	60	12	10	10	60	12	"	"	"	"	"	"	"					"	"	
D	60	12	10	10	60	12	"	"	"	"	"	"	"					"	"	
E	46	13	10	10	46	13	"	"	"	"	TREBLE W.L	"	3 3/8					9	"	
F	54	13	10	10	54	13	DOUBLE TAG	5 1/2	7 1/2	"	"	"	"					9	"	
G	58	13	10	10	58	13	TREBLE	7 1/2	"	"	QUAD. 1/2	"	3 1/2					12	"	
H	58	13	10	10	58	13	DOUBLE	5 1/4	"	"	"	"	"					"	"	
J	58	13	10	10	58	13	"	"	"	"	"	"	"					"	"	
K	58	13	10	10	58	13	"	"	"	"	"	"	"					"	"	
L	58	13	10	10	58	13	"	"	"	"	"	"	"					"	"	
M	58	13	10	10	58	13	"	"	"	"	"	"	"					"	"	
SHEER STRAKE	44	15	11	11	44	15	"	"	"	"	TREBLE	"	1	19	12 1/2	9				
N	46	13	7	7	46	13	"	"	"	"	"	7/8	3 3/8					9	WHOLE	
SHELTER	55	17	11	12	55	17	"	"	"	"	QUAD. 10/3 L	1	3 1/2					14	"	
DK. SIDES																				
O																				
P																				
Q																				
R																				
DOUBLE of Flat Plate Keel	After length of plating connected to stem frame same thickness as midships excepting base plate and plate above and below same which are 2/20th thicker than midships.																			
Length and thickness	Midship thickness of B and C. strakes maintained to Collision bld.																			
of Bilges																				
of Sheerstrakes																				
of Strake below																				
POOP SIDES	See above																			
BRIDGE SIDES																				
FORECASTLE SIDES																				

Write "Super Strake" opposite its corresponding letter.

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. ? *Siemens Martin process from Calderbank, Dalzell, Glasgow S.S., Dowlais Clydebank Mossend, Lanarkshire, Hallside and Glegarnock*

Has the Steel been tested as required by the Rules ? *YES.*

Upper Deck (Butts, treble riveted for *WHOLE* length amidship.
Stringer Plate (Straps, single, double or overlapped for *WHOLE* length amidship.
Middle Deck (Butts, treble riveted for *WHOLE* length amidship.
Stringer Plate (Straps, single, double or overlapped for *WHOLE* length amidship.
Butts of Bilge & Side Stringers and Tie Plates, treble & double riveted ?
Inner Bottom Plating, riveting of Edges *DOUBLE* & *SINGLE* Butts *DOUBLE*
Centre Girder Butts, *TREBLE* riveted Keelson Butts, *TREBLE* riveted.
Frames, riveted through Plates with *7/8* in. Rivets, about *6 1/2* apart.
Rivets, state whether Iron or Steel. *IRON.*

FRAMES extend in one length from *middle line* to *margin plate*, thence to *shelter deck*
REVERSED FRAMES on floors and frames extend from *middle line* to *margin plate*, margin plate to upper deck for *1/2* length amidships + in after peak, remainder to middle upper deck + forecabin, double on floor

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.....	STEEL	49-0	22 x 7/20	20 x 1/20	18 1/2 x 6/20		TWO	✓	✓	SINGLE	TREBLE
Fore	"	50-0	"	"	"		"	✓	✓	"	"
Main											
Mizen											
Bowsprit											
Topmasts, Yards and Remainder of Spars	PITCH PINE										
Rigging, Material and Size, Shrouds	G. S. W. 3/4										
Stays	G. S. W. 4										
Sails, ONE COMPLETE	Suit of FORE & AFT SCHOONER										

EQUIPMENT No. *51967* LETTER *A*

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.	lbs.			
24474	1st Bower	69	1	14	STOCKLESS			53	7	2	0	68	0	0	Ryan Patent.	W. Ryan & Co.	18/12/02 C.E. Perren
24882	2nd "	54	3	14	13	2	24	45	5	3	21	54	2	0	Trotman's	H.P. Parker & Co.	do 30/3/03 do
24883	3rd "	47	0	0	11	2	7	40	10	0	0	46	2	0	do	do	do 30/3/03 do
	4th "																
	Collective weight	171	1	0								169	0	0			
24841	Stream	16	3	18	4	1	4	18	2	3	7	16	3	0	Ordinary	do	do 23/3/03 do
24818	Kedge	8	0	7	2	0	7	10	2	2	0	8	0	0	do	do	do 19/3/03 do

Drop and mechanical tests applied to anchor head at Sheffield by A. Campbell 19.23.30 4th Sept/02

CHAIN CABLES.

HAWSERS AND WARPS.

Number of Certificate.	Fathoms.	Size.	Test per Certificate Tons.	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.									
25342	135	2 1/2	134 1/4	363.0.10	720-3-4	270-2 1/2	STUD	H.P. Parker & Co.	Tipton 29/4/03 C.E. Perren	TOWLINE S.W.	100	5 1/4	65	100-5 1/4
25343	135	2 1/2	96 1/4	361.3.7	724-3-17		LINK	do	do 29/4/03 do	HAWSER S.W.	180	2 3/8	14	180-2 3/8
										WARP S.W.	180	2 3/8	11	180-2 3/8
Iron Stream Chain or Steel Wire ...	90	5	59			90-5	S.W. by Garmock	Bobby & Co.						

Boats *FOUR*

Pumps, Number *DOWNTON PUMP TO HOLDS*

Diameter of Barrel *5*

State whether they are in efficient working order *YES*

Windlass is of STEAM BY *CLARKE CHAPMAN & CO*

Capstan *9 STEAM WINCHES.*

Engine Room Skylights.—How constructed ? *OF STEEL*

What arrangements for deadlights in bad weather ? *SOLID TEAK SHUTTERS AND BULLS EYES*

Coal Bunker Openings.—How constructed ? *OF STEEL* How are lids secured ? *BATTENS & CLEATS* Height above deck ? *9" BULB ANGLE*

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *FIVE SCUPPERS EACH SIDE UPPER & SHELTER DKS. 1. F.P. IN WELL 27x24*

Ceiling in Holds, thickness and material *2 1/2" W.P* Ceiling 'tween Decks, thickness and material *2" W.P*

Cargo Hatchways.—How formed ? *OF STEEL PLATES AND ANGLES* Hatches, If strong and efficient ? *YES 3" SOLID*

State size No. 1 Hatch (Forward) *25-0 x 16-1 x 18"* No. 2 Hatch *24-10 x 16-0 x 18"* No. 3 Hatch *29-1 x 16-0 x 18"* No. 4 Hatch *25-0 x 16-0 x 18"*

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *TWO WEB PLATES AND THREE WOOD FORE AND AFTERS TO EACH HATCHWAY*

No. of Breasthooks *SIX* No. of Crutches *DEEP FLOORS*

Bulwarks, height above deck and description *OPEN RAILS 4-0" HIGH* Main Rail, material and size *OPEN RAILS 4-0" HIGH*

The above is a correct description.

For Russell & Co

Surveyor's Signature

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

Builder's Signature (here only)

[Signature]

[Signature]

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case)

M. 3/6/02 23/6/02 9/4/03 E. 3/11/02

Workmanship. Are the butts of plating planed or otherwise fitted? *PLANED WHERE PRACTICABLE*

Is the riveted work properly closed? *YES*

Are the liners between the frames and plates solid single pieces? *FRAMES JOGGLED* 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? *A FEW*

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. 23, par. 24)? *YES* State results of tests *SATISFACTORY*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *YES* State results of tests *SATISFACTORY*

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

This vessel has been built in accordance with the Rules and approved plans. The quality of the materials and workmanship is good.

Iron plates are embedded in the cement under each sounding pipe

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. or Break ☒ ft., Bridge Dk. ☒ ft., F'castle ☒ ft. (in feet and tenths). When the Poop 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) *2 DECKS (STEEL) & SHELTER DECK (STEEL) & DEEP FRAMING*

Official No. *118290*; Signal Letters

How are the surfaces preserved from oxidation? Inside *BY PORTLAND CEMENT & PAINT* Outside *BY PAINT*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with g'rders on floors *CELLULAR SYSTEM*

Where fitted.	*Length.	Water Capacity.	Where fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	<i>145-10</i>	<i>476</i>	Fore peak tank,		<i>82</i>
Double bottom, under Engines and Boilers,			After peak tank,		<i>45</i>
Double bottom, if under Engines only,	<i>22-11</i>	<i>98</i>	Midship deep tank,	<i>41-8</i>	<i>1089</i>
Double bottom, if under Boilers only,			Other tanks, if fitted,		
Double bottom, forward,	<i>170-10</i>	<i>636</i>	(If necessary, furnish further information by sketch.)		

* 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. *YES*

Order for Special Survey No. <i>2169</i>	DATES of Surveys held while building	<i>1902. July 11. 23. Aug 27. 29. Sept 5. 8. 11. 19. 26. Oct 1. 2. 6. 14. 17. 28. 30. 31. Nov 4</i>
Date <i>17th June 1902</i>		<i>6. 7. 13. 14. 18. 21. 25. 27. Dec 5. 8. 10. 15. 19. 22. 26. 1903. Jan 9. 13. 19. 21. 23. 27. Feb</i>
No. <i>506</i> in builder's yard.		<i>2. 3. 4. 5. 6. 12. 16. 18. 20. 21. 26. March 3. 4. 10. 12. 18. 20. 23. 27. April 1. 3. 7. 10. 14. 15. 17</i>
		<i>22. 23. 24. 27. 30. May 12. 26. 27. June 1. 4. 10.</i>
		Total No. of Visits <i>76</i>

The amount of Entry Fee.....£ <i>5-</i>	Fees applied for,	<i>16. 6. 1903</i>
Special Survey Fee ...£ <i>149: 10-</i>		Received by me,
Travelling Expenses, if any £		<i>18. 6. 1903</i>
		<i>Shuk.</i>

Certificate to be sent to *GREENOCK*

State whether the Vessel has been built under Special Survey *YES*
I am of opinion this Vessel should be Classed *100-A-1 STEEL SHELTER DECK*
With, or without Freeboard, as condition of Class

J. French.
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute
Character assigned *+ 100-A-1 (Steel) Shelter dk. with freeboard.*

The Surveyors are requested not to write on or below the Committee's Minute.

Cert issued 25/6/03.



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Foundation

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