1 or 2 Dks., R.Q.Dk., and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

Received at London Office, FRI. 18 SEP 1903

State if Report is also sent on the Machinery of the Vessel No

Date of completion of Report 16 September *Port of* Amsterdam

No. 2485 *Survey held at* Nederhardinxveld *Date, First Survey* 2nd of December 02 *Last Survey* 21 August 1903.

On the Steel Screw Steamer No. 14. "PATAGONIA" *Rig* Two pole masts.

TONNAGE under Tonnage Deck... 209.80
Do. of Poop
Do. of Raised Qr. Dk. or Break..
Do. of Bridge House
Do. of Forecastle
...ses on Deck
...s of Hatchways
... Crown of ... Room ..
...nnage 259.86
... Space
... Crown of ... Room ..
... FOR FEES ..
...e Room ..
...ation Spaces
... Tonnage 117.58
... n Beam ..

We do not object to Aluminium Paint

ONE OR TWO DECKED VESSEL.

CLASS ~~100 A1~~ *Well deck.* *Contemplated*

	FEET.
Half Breadth *(moulded)*	11.00
Depth *from upper part of Keel to top of Main Deck Bms.*	10.96
Girth *of Half Midship Frame (as per Rule)*	20.14
1st Number	42.110
Length	129.00
2nd Number	5432.
Proportions—*Breadths to Length*	5.9
Depths to Length—Main Deck to top of Keel	11.7

Destined Voyage

Master

Year of appointment (1) *As master in service of owner of present vessel* :—18 (2) *As master of this vessel* 18

Built at Nederhardinxveld

When built 1903 *Launched* 22 July 03

By whom built Langerwerf & van Vliet

Owners Scheepvaart Investments Lim

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

Residence London

Port belonging to London.

If Surveyed while Building, Afloat, or in Dry Dock Building.

...H on Deck ... Rule ..... Feet. 129 Inches. | **BREADTH**— Moulded..... Feet. 22 Inches. | **DEPTH**— Top of Floors to Main Deck Beams. Feet. 9 Inches. 11 7/8 | Power of Engines | Horse. | No. of Decks with Flat laid One; No. of Tiers of Beams One

...ns of Ship per Register, Length, 130.3 breadth, 22.1 depth, 9.9. Moulded Depth, ft. 10 ins. 6 1/16. Round of Beam 5 1/2 inches.

See letter

FRAMING.	Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule Or a	Inches per Rule s Appro	16ths or 20ths per Rule ved.
...E. Angles, L, E or L Bars, for 3/5 length amidships	3	2 1/2	5	3	2 1/2	5
...or 1/5 at each end	3	2 1/2	5	3	2 1/2	5
...n way of Double Bottoms at Solid Floors..						
,, ,, at intermdt. Bkts.						
...e of Frames from moulding edge to ...ling edge, all fore and aft	21			21		
...RSED FRAME, Angles	2 1/2	2 1/2	5	2 1/2	2 1/2	5
... FRAMING, depth of girder						
...RS, depth and thickness of Floor Plate at mid-line for 3/5 length amidships	12		6	12		6
...in way of Engines and Boilers			7-8			7-8
...hickness at the ends of vessel			5			5
...lepth at 3/4 the half breadth, as per Rule ..	9			9		
...height extended at the Bilges	24			24		
...RS & BRACKETS, in **Cell Dble Bottoms**						
,, Distance apart						
...RE GIRDER, in Double Bottom, depth and thickness						
,, Angles, Top						
,, ,, Bottom						
... GIRDERS, number and thickness						
Angles						
...IN PLATE, depth (exclusive of flange) and thickness						
Angles						
...R BOTTOM PLATING, breadth and thickness of **Middle Line Strake**						
,, thickness in Engine and Boiler space						
,, ,, Remainder in Holds.....						
...IS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	4	2 1/2	6	4	2 1/2	6
Angles on Upper Edge						
Average space.....	21			21		
...IS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb ~~Scatchway~~	6	3	9	6	3	9
Angles on Upper Edge.....						
Average space						
...IS, Hold, Plate or Tee Bulb						
,, Angles on Upper Edge						
,, Average space						
...IS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb						
,, Angles on Upper Edge						
,, Average space.....						
...IS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb						
,, Angles on Upper Edge						
,, Average Space						
...MS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	4 1/2	3	7	4 1/2	3	7
,, Angles on Upper Edge.....						
,, Average space.....	42			42		
...LLARS, In 'tween Decks, Size and Spacing	2 7/8	- 42		2 7/8	- 42	
,, ,, **Hold** ,, ,,						
,, **Quarter, 'tween Dks.,** ,, ,,						
,, ,, **in Hold** ,, ,,						
WEB FRAMES, In Fore Body, No. and Spacing	large brackets in way of					
,, ,, ,, Brdth. & Thickness	hatchways with angles					
,, No. of Side Stringers ,, ,,	2 1/2 x 2 1/2 - 5					
WEB FRAMES, In E. & B. Space, No. & Spacing						
,, ,, ,, Brdth. & Thickness						
WEB FRAMES, In After Body, No. and Spacing						
,, ,, ,, Brdth. & Thickness						
,, No. of Side Stringers ,, ,,						
,, Size of Angles or Tee Bars to **Web Frames**						
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness						

FORGINGS AND CASTINGS.	Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, Bar or Side Plates depth and thickness	6 x 1 1/16	
STEM, moulding and thickness.....	6 x 3	6 x 1 1/16
STERN-POST for Rudder do. do.	6 x 3	6 x 3
,, for Propeller.....	4	6 x 3
MAIN PIECE of **Rudder,** diameter at head....	5 x 2 3/4	4
do. at heel		5 x 2 3/4

RUDDER, how constructed Single plate

Can the Rudder be unshipped afloat? Yes

KEELSONS AND STRINGERS.	Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule Or a	Inches per Rule s Appro	16ths or 20ths per Rule ved.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate	21		7	21		7
,, Rider Plate.....	6 1/2		7	6 1/2		7
,, Bulb Plate to Intercostal Keelson.....						
,, Horizontal Plates on Floors	10 1/2		7	10 1/2		7
,, Angles	3	3	6	3	3	6
SIDE KEELSON, Angles.....	3	3	6	3	3	6
,, Bulb or Plate above floors for half lng.	5 1/2		5	5 1/2		5
,, Intercostal Plate for length						
,, Attached to outside plating with Angle..						
BILGE KEELSON, Angles						
,, Bulb or Plate above floors for len.						
,, Intercostal Plate for length						
,, Attached to outside plating with Angle..						
BILGE STRINGER Angles						
,, Bulb Plate for length						
,, Intercostal Plate for length						
,, Attached to outside plating with Angle						
SIDE STRINGER Angles	3	3	6	3	3	6
,, Bulb or Intercostal Plate for lng.						
,, Attached to outside plating with Angle						
Main and Raised Quarter Deck Stringer Plate, breadth and thickness	31		6	31		6
,, Angle on ditto.....	3 x 3		6	3 x 3		6
,, Tie Plates fore & aft, outside Hatchways ..			6			6
,, Diagonal Tie Plates on Bms., No. of Pairs						
,, Main Dk* Iron or Steel for whole lng.			5			5
,, R. Q. Dk* Iron or Steel for whole lng.			5			5
,, Wood Deck, Material & thickness						
Lower Deck Stringer Plate, breadth and thickness						
,, Angles on ditto, No.						
,, Tie Plates, outside Hatchways.....						
,, Deck* Material and thickness						
Hold Stringer Plate w. raised quarter deck	12		7	12		7
,, Angles on ditto, No.	3 x 3		6	3 x 3		6
Poop Deck Stringer Plate, breadth & thickness						
,, Angle on ditto.....						
,, Tie Plates						
,, Deck, Material and thickness						
Bridge Deck Stringer Plate, brdth & thickness						
,, Angle on ditto.....						
,, Tie Plates						
,, Deck, Material and thickness						
Forecastle Deck Stringer Plate, brdth & thcknss	24		5	24		5
,, Angle on ditto.....	3 x 3		6	3 x 3		6
,, Tie Plates ..... sparingly plated.....			5			5
,, Deck, Material and thickness Patch plating	3"					3"

* *If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.*

BULKHEADS.	Number. In Vessel.	Number. Per Rule.	Thickness. 16ths or 20ths.	STIFFENERS. Horizontal. Inches.	STIFFENERS. Vertical. Inches.	STIFFENERS. Spacing Inches.	Single or Double Frames.	Height up.
W.T. BULKHEADS	3	3	5	3 x 1 1/2 x 5	3 x 1 1/2 x 5	30 48	Double	main
PARTITION ,,								1 tween deck
LONGITUDINAL ,,								

Are the outside Plates doubled two spaces of Frames in length? Yes

Form No. 1A.

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PLATING. / RIVETING.

STRAKES.	As in Ship: Amidship Breadth (Inches)	Amidship Thickness (16ths or 20ths)	Forward Thickness	Aft Thickness	Per Rule or as Approved: Amidship Breadth (Inches)	Thickness (16ths or 20ths)	Edges: Single or Double	Breadth of Lap (Inches)	Rivets Diam. (Inches)	Rivets Spacing cr. to cr. (Inches)	Butts: Double or Treble and for what Length	Rivets Diam. (Inches)	Rivets Spacing cr. to cr. (Inches)	Straps Breadth (Inches)	Straps Thickness (16 or 20ths)	If Lapped Breadth (Inches)	For what Length (Feet)
Flat Plate Keel (If Bar Keel, state Riveting)	31	9	8	8	31	9	double	4½	3/4	3 1/8	treble	3/4	2 7/8			7½	whole length
Garboard or A Strake	43	8	8	8		8	" "	4½	3/4	3 1/8	treble ½ length	3/4	2 7/8			7½	"
B	45	6	6	5		6	" "	4½	3/4	3 1/8	" " "	3/4	2 7/8			7½	"
C	47	8	6	7		8	single	2½	3/4	2¾	" " "	3/4	2 7/8			7½	"
D	42	6	5	5		6	"	2½	3/4	2¾	" " "	3/4	2 7/8			7½	"
E	42	7	6	6		7	double	4½	3/4	3 1/8	" " "	3/4	2 7/8			7½	"
F (Sheer strake)	31	9	7	7	31	9	" "	4½	3/4	3 1/8	" " "	3/4	2 7/8			7½	"
G	46	6		5	31	6	single	2½	7/8	2¼	double	7/8	2¼			5	"
H																	
J																	
K																	
L																	
M																	
N																	
O																	
P																	
Doubling of Flat Plate Keel																	
Length and thickness of Bilges																	
Length and thickness of Sheerstrakes	24'	9/20															
Length and thickness of Strake below																	
Poop Sides																	
Raised Quarter Dk. Sides		6/20															
Bridge Sides		—															
Forecastle Sides		6/20															
Lengths of Plating	from 6 to 16 feet.																

State actual thickness in way of Double Bottom.

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, outside Plating, &c.? Siemens Martins Duisburger Eisen und Stahl Verein, Woader Bergwerk und Hütten Verein

Was the steel been tested as required. . . . Yes.

Main Stringer Plate { **Butts,** ~~treble~~ double riveted for whole length ~~length~~ amidship. **Straps,** ~~single, double or overlapped~~ for whole length amidship

Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted? —

Inner Bottom Plating, riveting of **Edges** — **Butts** —

Centre Girder Butts, treble riveted. **Keelson Butts,** treble riveted.

Frames, riveted through Plates with 3/4 in. Rivets, about 5" apart.

Rivets, state whether of Iron or Steel Iron.

FRAMES extend in one length from middle line to main, raised quarter deck and forecastle deck

REVERSED FRAMES on floors and frames extend from middle line to side stringer and raised quarter deck alternately. From middle line to bilge and maindeck alternately.

MASTS, SPARS, &c.

	Material.	Total length.	At Partners	Heel.	Hounds.	Head.	No. of Plates in round	Angles Number.	Angles Size.	Riveting Seams.	Riveting Butts.
Lower Masts Fore	pitch pine	58'		14	9	3					
Main											
Mizen	" "	36'		10	6	2					
Bowsprit											

Topmasts, Yards and Remainder of **Spars**

Rigging. Material and Size, **Shrouds** 3" Steelwire . **Stays** Steelwire 2½

Sails. three in number Suit of long flax Sails and the following spare sails One

EQUIPMENT No. 5770 **LETTER** D . **TONNAGE FOR TRAWLERS** **U.Dk.** —

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 Req. by Rule Cwts.	qrs.	lbs.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
3830	1st Bower	7	1	14				9	12			7	1		Stockless	Taylors	Cardiff 16 July
3831	2nd	7	1	21				9	12			7	×0		" "	Taylors	" "
	3rd																
	Collective weight	14	3	7								14	21	0			
	Stream	1	2	—		1	18					1	2		ordinary		G. W. Penn
	Kedge		3				23						3		ordinary		
	2nd Kedge																

If Patent state Name of Patentee.

CHAIN CABLES.

Number of Certificate.	Fathoms.	Size.	Test per Certificate. Tons.	Weight of Chain Cable Supplied.	Per Rule.	Fathoms and Size Per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.
2989	165	14/16	20 7/8 / 13¾	67.2.21	64.1.11	165 x 7/8	stud	Taylor	Cardiff 14 July G. W. Penn
Iron Stream Chain or Steel Wire	45	2¼"	9½ tons			45 x 2¼"			

HAWSERS AND WARPS.

Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per Rule.
Towline	75	2¼	9½	75 x 2¼
Hawser	90	4		90 - 4
Warp	90	3½		~~90 x 3½~~

Boats Two 16'-6" x 5'-~~2~~ 2½"

Pumps, Number One in mainhold Diameter of Barrel and Tail Pipe 5" and 3"

Windlass is Steam windlass Emerson's patent **Capstan** —

Engine Room Skylights.—How constructed? Teak skylight on top of steel casing

What arrangements for deadlights in bad weather? flaps and bull eyes.

Coal Bunker Openings.—How constructed? Steel Coamings How are lids secured? wood hatches Height above deck? 12"

Number of **Scuppers,** and number and dimensions of **Freeing Ports, &c.** 7 Scuppers and 6 freeing ports 2'-4" x 1'-6"

Ceiling in Holds, thickness and material 2" Yellow pine **Ceiling 'tween Decks,** thickness and material —

Cargo Hatchways.—How formed? Steel Coaming with brackets at sides **Hatches.**—If strong and efficient? Yes

State size **No. 1 Hatch** (Forward) 8'-9" x 8'-10" **No. 2 Hatch** 30' x 11'-3" **No. 3 Hatch** — **No. 4 Hatch** —

Number of **Web Plates, Shifting Beams,** and **Fore** and **Afters** to each Hatch Two webplates three fore and afters.

No. of Breasthooks three **No. of Crutches** three

Bulwarks, height above deck and description 42" above deck, bulb Stanchions Main Rail, material and size 4 x 2½"

The above is a correct description.

Builder's Signature (here only). Jnd Bangewald & Van Vliet

Surveyor's Signature J. W. Albe

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

Form No. 1A.

Correspondence.—State dates and initials of letters respecting this case (*Reference should be made to any correspondence connected with the case*) 2nd of Dec 1902. 13 Febr, 18 April 5th of May and 8 of Sept 1903.

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? Yes

Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes.

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

This vessel has been built according the approved plans which have been forwarded to the Sunderland Office where she is to be Engined, and in Conformity with the Society rules, Material used in the construction tested as required and workmanship throughout good. The afterpeak bulkhead on frame 70 has been carried up to raised quarter deck, Fore and afterpeaks tested under hydraulic pressure found tight, decks & bulkheads also tested found satisfactory. Windlass, steering gear and handpumps in good working condition.

The engine casings have been temporary bolted and openings properly closed vessel is to be towed to the United Kingdom to receive her machinery

I am of opinion that this vessel is in a sufficient safe condition to be towed from here to Sunderland and eligible to be classed in the Society's Register Book 100 A1 well deck, subject to machinery & boiler being fitted on board, Seaconnections being placed Casings to be riveted up Donkey or ballastpump to be fitted with a handgear on account of no hand pumps having been supplied for Engine room

The Surveyor should state the Number of Report and Name of any Sister Vessel. S. S. Gale. Report No. 2590

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. or Break 50.9 ft., Bridge Dk. — ft., F'castle 14½ ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. is joined to the B.D., this should be distinctly stated — Raised quarter deck & bridgehouse on top of same

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) — One steel deck and one tier of beams

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside Paint and Cement Outside Antifouling & anti Corrosive

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system —

Where fitted.	Length. Feet.	Water Capacity. Tons.	Where fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	—		Fore peak tank,	17.7	27
Double bottom, forward,	—		After peak tank,	6.5	11
Double bottom, under Engines and Boilers,	—		Midship deep tank,		
Double bottom, if under Engines only,	—		Other tanks, if fitted,		
Double bottom, if under Boilers only,	—		(If necessary, furnish further information by sketch.) —		

State whether the above have been tested as required by the Rules Yes, found satisfactory.

Order for Special Survey No.

Date

Order for Ordinary Survey No.

Date

No. 14 in builder's yard

Dates of Surveys held while building as per Section 18.
1st. On the several parts of the frame, when in place, and before the plating was wrought
2nd. On the plating during the process of riveting
3rd. When the beams were in and fastened and before the decks were laid
4th. When the ship was complete, and before the plating was finally coated or cemented
5th. After the ship was launched and equipped

2nd of December 1902 till 21st of August 1903

Total No. of Visits ~~44~~

	£	s.	d.	
The amount of Entry Fee	2	0	0	Fees applied for, Sept 1903
Special	15	0	0	
Certificate*				Received by me,
Travelling Expenses, if any	7	11	3	Sept 1903

Cert

* *Certificate to be sent to* Owners, when completed

I am of opinion this Vessel should be Classed ✠100 A1 well deck

With, or without Freeboard, as condition of Class

J. W. Albe.

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

Committee's Minute FRI. 25 SEP 1903

Character assigned 100 A1 Steel

Lloyds a rcp + LMC 9.03

LW

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

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