No. 6031

TUES. 27 FEB 1906

~~Spar, or~~ Awning Dk. ~~IRON OR~~ STEEL STEAMER.

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

Port of *Belfast* Date of completion of Report *26 Feb 1906* Received at London Office

Survey held at *Belfast* Date, First Survey *24 Nov 1903* Last Survey *21 Feby 1906*

On the *T. S. S. Nieuw Amsterdam* Rig *4 Masted Schooner*

TONNAGE under Tonnage Deck	8923·98
Do. between Tonnage Dk. and 3rd, ~~4th, Spar~~ or	2659·79
Awning Dk.	2766·07
Total under Upper Dk.	14349·84
Do. of Poop	
Do. of Bridge House	1338·71
Do. of Forecastle	
Do. of Houses on Deck	1224·78
Do. of excess of Hatchways	
Do. above Crown of Engine Room	
Gross Tonnage	16913·33
Less Crew Space	678·66
Less above Crown of Engine Room	
TONNAGE FOR FEES	16234·67
Less Engine Room	5412·27
Less Navigation Spaces	135·26
Register Tonnage as cut on Beam	10687·14

~~SPAR, AWNING OR PART~~ AWNING-DECKED VESSEL, ~~or a Vessel having a continuous Shade Deck.~~

CLASS *100 A. 1.*

	Feet.
Half Breadth (moulded)	34·25
Depth from upper part of keel to top of Main Deck Beams	40·67
Girth of Half Midship Frame (as per Rule)	68·12
1st Number	143·04
Length	597·89
2nd Number	85515·03
Proportions—Breadths to Length	8·72
Depths to Length—Main Deck to top of Keel	14·94

Master *F. H. Bonjer*

Year of Appointment (1) As Master in service of owner of present vessel: *1879* (2) As Master of this vessel 18

Built at *Belfast*

When built *1903–6* Launched *28/9/05*

By whom built *Harland & Wolff Ld.*

Owners *Netherlands American S.N. Co.*

Managers *Holland America Lyn* (Where necessary to be entered in Reg. Book.)

Residence *Rotterdam*

Port belonging to *Rotterdam*

Destined Voyage *New York via Rotterdam* If Surveyed while Building, Afloat, ~~or in Dry Dock~~ *Yes.*

LENGTH on Deck as per Rule	Feet. 597	Inches. 10½	BREADTH—Moulded	Feet. 68	Inches. 6	DEPTH, top of Floors to ~~Spar or~~ Awn. Dk. Beams / Do. *actual* do. Main Deck Beams	Feet. 43 / 35	Inches. 7½ / 6½	Power of Engines	Horse.	No. of Decks with flat laid *4* / No. of Tiers of Beams *4*

Dimensions of Ship per Register, Length *600·3* breadth *68·95* depth *43·55* ~~Spar or~~ Awn. Dk. / *27·85* ~~Tonnage~~ Main Deck. Moulded depth, ft. *39* ins. *2¾* To Main Dk. *and lower orlop dk in 1·2·3·8·5 holds* Round up of Beam, Main Dk. *12* ins.

FRAMING.

	Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	16ths or 20ths per Rule or as Approved.
FRAME, ~~Angles or~~ ⌐, ⊏ or ⊏ Bars, for ½ length amidships	9 × 4 × 4		13	9 × 4 × 4		13
Do. for ¼ at each end *Angles*	9	4	12	9	4	12
Do. in way of Double Bottoms at Solid Floors	4	4	12	4	4	12-11
„ „ at intermdt. Bkts.						
Distance of Frames from moulding edge to moulding edge, all fore and aft	30½			30½		
REVERSED FRAME, Angles	4	4	12-11	4	4	12-11
DEEP FRAMING, depth of girder						
FLOORS, depth and thickness of Floor Plate at mid-line for ½ length amidships						
„ in way of Engines and Boilers						
„ thickness at the ends of vessel						
„ depth at ¾ the half-bdth. as per Rule						
„ height extended at the Bilges						
FLOORS & BRACKETS, in Cell Dble Bottoms	56		12	56		12-11
Ranged Distance apart	30½			30½		
CENTRE GIRDER, in Double bottom, depth and thickness	56		16	56		16
„ „ Angles, Top	4½	4½	14	4½	4½	14
„ „ Bottom	5	5	15	4	4	11
SIDE GIRDERS, number and thickness	3		11-10	3		11-10
„ Angles *3½ × 3½ × 10/20 H.*	4	4	12-14	4	4	12-11
MARGIN PLATE, depth (exclusive of flange) and thickness	46		15-13	46		15-13
„ Angles	4	4	13-12	4	4	13-12
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	53½		13	36		13
„ „ thickness in Engine and Boiler space			13			13
„ Remainder in Holds			12-11			12-11
BEAMS, ~~Spar or~~ Awning Deck, ~~Single Angle, Bulb Angle, Plate or Tee Bulb~~ *Channel*	10 × 4 × 4 ×		11	10 × 4 × 4 × 4		11
„ Angles on upper edge						
„ Average space	30½			30½		
BEAMS, Main Deck, ~~Single Angle, Bulb Angle, Plate or Tee Bulb~~ *Channel*	10 × 4 × 4 ×		11	10 × 4 × 4 × 4		11
„ Angles on upper edge						
„ Average space	30½					
BEAMS, Lower Deck, ~~Single Angle, Bulb Angle, Plate or Tee Bulb~~ *Channel*	10 × 4 × 4		11	10 × 4 × 4		11
„ Angles on upper edge						
„ Average space	30½			30½		
BEAMS, ~~Hold, or~~ Orlop, ~~Plate or Tee Bulb~~						
„ Angles on upper edge *Channel*	10 × 4 × 4		11	10 × 4 × 4		11
„ Average space	30½			30½		
BEAMS, ~~Poop Deck~~ *Orlop 3 & 5*, Angle, Bulb Angle, Plate or Tee Bulb *Channel*	10 × 4 × 4		11	10 × 4 × 4		11
Angles on upper edge						
Average space	30½					
BEAMS, Bridge Deck, ~~Angle~~, Bulb Angle, ~~Plate or Tee Bulb~~	7½	3½	10	7½	3½	10
Angles on upper edge						
Average space	30½			30½		
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb						
„ Angles on upper edge						
„ Average space						
PILLARS, In 'tween Deck, size and spacing	3½	61		3½	61	
„ „ Hold	4 · 4 3/8	61				
„ Quarter, 'tween Dks.,	3½	4 · 4 3/8	61	3½	4 · 4 3/8	61
„ „ in Hold	5½	91½		5½	91½	
WEB-FRAMES, In Fore Body, No. and spacing	5	as plan		5		
„ brdth. & thickness	24		13	24		13
„ No. of Side Stringers	2		15-12	2		15-12
WEB FRAMES, In E. & B. Space, No. & spacing	11	3 frames as plan				
„ brdth. & thickness	24		13	24		13
WEB FRAMES, In After Body, No. and spacing	2	as plan				
„ brdth. & thickness	24		13	24		13
„ No. of Side Stringers	2					
„ Size of Angles or Tee Bars to Web Frames	4	4	12	4	4	12
BRACKET PLATES to Stringers between Web Frames, depth and thickness	18		12	18		12

FORGINGS AND CASTINGS.

	Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, Bar or Side Plates, depth and thickness	12 × 3	12 × 3
STEM, moulding and thickness	12/4 × 4	12/4 × 4
STERN-POST for Rudder do. do. *Cast*	14½ × 9½	14 × 9½
„ „ for Propeller	16½ × 9½	14 × 9½
MAIN PIECE of Rudder, diameter at head	15	15
do. at heel	8	8

RUDDER, how constructed *Cast steel as approved.*

Can the Rudder be unshipped afloat? *Yes.*

KEELSONS AND STRINGERS.

	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	16ths or 20ths per Rule
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate						
„ Rider Plate						
„ Bulb Plate to Intercostal Keelson						
„ Horizontal Plates on Floors						
„ Angles						
SIDE KEELSON, Angles						
„ Bulb or Plate above floors, for lng.						
„ Intercostal Plate, for length						
„ Attached to outside plating with Angle						
BILGE KEELSON, Angles						
„ Bulb or Plate above floors, for lng.						
„ Intercostal Plate, for length						
„ Attached to outside plating with Angle						
BILGE STRINGER Angles	6½	4½	15-14	6½	4½	15-14
„ Bulb Plate, for length	6½	4½	11	6½	4½	11
„ Intercostal Plate, for *full* length	24		15-12	24		15-12
„ Attached to outside plating with Angle	4	4	13	4	4	13
SIDE STRINGER Angles *6½ × 4½ × 15/20 H.*	6½	4½	15-14	6½	4½	15-14
„ ~~Bulb or~~ Intercostal Plate, for *full* lng.	24		15-12	24		15-12
„ Attached to outside plating with Angle	4	4	13	4	4	13
~~Spar, or~~ Awning Deck Stringer Plates, breadth and thickness	Inner 52 / Outer 46		18 / 19	Inner 52 / Outer 40		18 / 19
„ Angle on ditto	Doubling 39		18	Doubling 39		18
„ Tie Plates, fore and aft, outside Hatchways	8½ × 8½		18	8½ × 8½		18
„ Diagonal Tie Plates, No. of prs.	5 × 5		12	5 × 5		12
„ Deck.* ~~Iron or~~ Steel, for *whole* lng.			13·9			13·9
„ Wood Deck. Material & thickness	Y P 5 × 3½					
Main Deck Stringer Plate, breadth & thickness	46 & 46		18	46 & 46		18
„ Angles on ditto, No. *2*	5 × 5		18	5 × 5		18
„ Tie Plates, outside Hatchways						
„ Diagonal Tie Plates, No. of prs.						
„ Deck.* ~~Iron or~~ Steel, for *whole* lng.			12			12
„ Wood Deck. Material & thickness	P P 5 × 3½					
Lower Deck Stringer Plates, br'dth & thickn's	46 & 46		17-18	46 × 46		17-18
„ Angles on ditto, No. *2*	4 × 4		13	4 × 4		13
„ Tie Plates, outside Hatchways						
„ Deck.* Material and thickness *Steel whole length*			10			10
~~Hold, or~~ Orlop Stringer Plate, br'dth & thickn's	45 & 46		14-15	45 & 46		14-15
„ Angles on ditto, No. *2*	4 × 4		13	4 × 4		13
„ Tie Plates, outside Hatchways						
„ Deck. Material and thickness *Steel*			7			7
~~Poop~~ Deck Stringer Plate, breadth & thickness *Lower orlop 1·2·3·8·5 holds*	46 & 46		16-15	46 & 46		16-15
„ Angles on ditto *2*	4 × 4		13	4 × 4		13
„ Tie Plates						
„ Deck. Material and thickness *Steel*			7			7
Bridge Deck Stringer Plate, br'dth & thickness	56		10	56		10
„ Angle on ditto	4 × 4		11	4 × 4		11
„ Tie Plates						
„ Deck. Material and thickness *Steel*	Y P 3"		6			6
Forecastle Deck Stringer Plate, b'dth & th'kns						
„ Angle on ditto						
„ Tie Plates						
„ Deck. Material and thickness						

* 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. 20ths.	STIFFENERS. Horizontal.	Vertical. Inches.	Spacing. Inches.	Single or Double Frames.	Height up.
W.T. BULKHEADS	11	9	8-7		9 × 3½ × 15/20 · 3½ × 3½ × 15/20 · 2½ × 3½ × 12/20	30	Single	Main Dk. / Fo'c Dk. / Awning Dk.
PARTITION „								
LONGITUDINAL „	As profile		5/16					

Are the outside Plates doubled two spaces of Frames in length? *App. liners*

Form No. 1C.

W673-0021 ½

STRAKES.	PLATING. As in Ship. Amidship. Breadth. Inches.	Amidship. Thickness. ~~16ths or~~ 20ths	Forward. Thickness. ~~16ths or~~ 20ths	Aft. Thickness. ~~16ths or~~ 20ths	Per Rule or as Approved. Amidship. Breadth. Inches.	Per Rule. Amidship. Thickness. ~~16ths or~~ 20ths	RIVETING. Edges. Single or Double.	Edges. Breadth of Lap. Inches.	Edges. Rivets. Diam. Inches.	Edges. Rivets. Spacing cr. to cr. Inches.	Butts. Double or Treble and for what Length.	Butts. Rivets. Diam. Inches.	Butts. Rivets. Spacing cr. to cr. Inches.	Butts. Straps. Breadth. Inches.	Butts. Straps. Thickness. Inches.	Butts. If Lapped. Breadth. Inches.	Butts. If Lapped. For what Length. Feet.
Flat Plate Keel (If Bar Keel, state Riveting)	51	23	20	18	50	23	Dbl	6 3/4	1 1/8	4 2/7	Tbl	1 1/8	3 5/8	22	17 & 14	Dbl Strps	
Garboard or A Strake	53	20	20	19	36	20	"	"	"	"	Quad 1/22	1 1/8	4 2/7				
B (State actual thickness in way of Double Bottom.)		18	18	17		18	"	"	"	"						16 3/4	Whole
C		18	18	16		18	"	"	"	"	"	"	"			"	"
D		18	18	15		18	"	"	"	"	"	"	"			"	"
E		18	18	15		18	"	"	"	"	"	"	"			"	"
F		18	15	15		18	"	"	"	"	"	"	"			"	"
G		19	17	18		19	"	"	"	"	"	"	"			"	"
H		19	20	18		19	"	"	"	"	Dbl	"	3 5/8	26 1/2	19		1/22
J		19	20	18		19	Dbl & Tbl	6 3/4-8 1/2	"	"	" "	"	"	34 1/2	19		3/52
K		19	20	18		19	" "	" "	"	"	"	"	4 2/7			16 3/4	Whole
L		18	20	16		18	"	"	"	"	"	"	"			"	
M		19	20	15		19	"	"	"	"	"	"	"			"	
N		18	20	15		18	"	"	"	"	"	"	"			"	
O		19	20	15		19	"	"	"	"	"	"	"			"	
P		18	15	15		18	"	"	"	"	"	"	"			"	
Q		19	13	15		19	Dbl & Tbl	6 3/4-8 1/2	1 1/8	4 2/7	Quad 1/22	1 1/8	4 2/7			16 3/4	Whole
R (Main Dk Sheerstrake)		19	12	12		19	Dbl & Tbl	6 1/2-8 1/2	1 1/8	4 2/7	Quad 1/22	1 1/8	4 2/7				
S	54	20	12	12	54	20	Dbl	6 3/4	"	"	"	"	"			16 3/4	Whole
T	51	19	12	12	51	19	"	"	"	"	"	"	"			"	"
U (Awning Dk Sheerstrake)	60	20	12	12	60	20	"	"	"	"	Quad & Tbl	"	3 5/8	34 1/2 / 26 1/2	18 / 19	Doubled strakes	
Bridge Sides		12															
Forecastle Sides																	

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. Tested in accordance with the Rules: South Durham, Steel Co of Scotland Glasgow I & S. David Colville & Sons, Dowlais Cardiff Works. Barrow Hematite Steel Co Lanarkshire Steel Co. Stewart & Lloyds Ld.

~~Spar or~~ Awning Stringer Plate { **Butts,** treble riveted for 3/52 & quad for 3/52 length amidship. **Straps,** ~~single~~, double or overlapped for whole length amidship.

Main Stringer Plate { **Butts,** treble riveted for 3/52 & quad for 3/52 length amidship. **Straps,** ~~single~~, double or overlapped for whole length amidship.

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

Inner Bottom Plating, riveting of **Edges** Dbl. **Butts** Dbl.

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

Frames, riveted through Plates with 1 1/8 in. Rivets, about 6 1/2 apart.

Rivets, state whether Iron or Steel Steel in Sheer & 2 strakes below Iron elsewhere Hydraulic riveted sheer & strake below and Awning Dk sheerstrake

FRAMES extend in one length from Margin plate to Weather decks. (Cell DB)

REVERSED FRAMES on floors and frames extend from Centre girder to Margin plate & from Margin plate to Awg Dk beam knees at ends and on alternate channel frames amidships to Orlop Deck beam knees.

MASTS, SPARS, &c.

		Material.	Total Length	Diameter and Thickness. At Partners.	Heel.	Hounds.	Head.	No. of Plates in round.	Angles. Number.	Angles. Size.	Riveting. Seams.	Riveting. Butts.
Lower Masts	Fore	Steel	109	36 × 10/20	36 × 10/20	22 × 8/20	10 1/2 × 5/20	3	4	4 1/2 × 3 × 10/20	Sgl.	Quad to Dbl.
	Main	"	113	28 × 10/20	27 × 10/20	18 × 8/20	8 1/2 × 5/20	3	3	4 × 3 × 10/20	"	"
	Mizen	"	100.25	28 × 10/20	27 × 10/20	18 × 8/20	8 1/2 × 5/20	3	3	4 × 3 × 10/20	"	"
~~Bowsprit~~ Jigger		"	99	26 × 9/20	25 × 9/20	15 × 7/20	7 1/2 × 6/20	3	3	4 × 3 × 7/20	"	"

Topmasts, Yards and Remainder of **Spars** Pitch Pine

Rigging, Material and Size, **Shrouds** Steel Wire 5 1/2 - 5 - 4 1/2. **Stays** 5 1/2 - 5 - 4 1/2 - 4

Sails. One Jib Suit of ✓ Sails, and the following spare sails ✓

EQUIPMENT No. 99404 LETTER L+ Appd 12/2/04 ANCHORS.

Number of Certificate.	Anchors.	Weight, Ex. Stock. Cwts.	qrs.	lbs.	Weight of ~~Stock~~ Head. Cwts.	qrs.	lbs.	Test, per Certificate. Tons.	cwts.	qrs.	lbs.	Weight Req. by Rule. Cwts.	qrs.	lbs.	Description of Anchor.	Makers. (If Patent state Name of Patentee.)	Where and when tested and Superintendent.
52893	1st Bower	135	0	21	83	3	0	79	15	0	0	118	—	—	Halls Cast Steel	Hingley & Sons	LPHN. 23/12/04 H. Green.
52907	2nd "	134	3	16	83	2	0	79	8	3	0	118	—	—	Head Do	"	" 24/12/04 "
52892	3rd "	116	1	21	69	2	7	73	12	2	0	100	—	—	Do.	"	" 23/12/04 "
	Collective weight	386	2	2								336	—	—			
52894	Stream	52	3	4	30	3	0	44	3	1	21	44	2	—	Do	"	" 23/12/04 "
52838	Kedge	23	0	3	Stock 5	3	5	23	4	1	14	19	—	—	Trotmans	"	" 22/12/04 "
	2nd Kedge																

CHAIN CABLES.

Number of Certificate.	Fathoms.	Size.	Test per Certificate. Tons.	Weight of Chain Cable. Supplied.	Weight of Chain Cable. Per Rule.	Fathoms and Size Per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.
36593	180	3 1/4	226 1/5	961.3.24	1503	330-3"	Stud	Hingley & Son Ld.	LPHN. 19/12/04
36636	150	3 1/4	161 3/5	817.2.17	779.2.13			"	28/12/04 H. Green Sup.
36648	90	1 3/4	77 1/8.55 1/8	139.2.3	Not reqd	by Rule.	Stud	"	" 29/12/04
~~Iron~~ Stream ~~Chain~~ ~~or~~ Steel Wire	150	7	116			150-6 1/2			

HAWSERS AND WARPS.

Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per Rule.
Towline	140	7 1/2	128	140-7 1/2
Hawser 2 in No	130	3 3/4	29	120-8"
Warp	100	3 3/4	29	5 in No.
	100	3 1/4	22	
	100	3	18	
2 No Man.	100	8"		

Boats 14 Life cutters 28'.6", 4 Cutters 28.6, 2 Cutters 24.0 & 4 Berthon Collapsible 28'

Pumps, Number 9-6" 1-3" Diameter of ~~Barrel and~~ Tail Pipe 3 1/2 & 1 1/2

Windlass is Iron patent **Capstan** Iron patent.

Engine Room Skylights.—How constructed? Steel Casings

What arrangements for deadlights in bad weather? Wood covers & lights.

Coal Bunker Openings.—How constructed? Side ports How are lids secured? Hinged & clamps. Height above deck?

Number of **Scuppers,** and number and dimensions of **Freeing Ports, &c.** Open rails & pt bulwarks, 1 freeing port 3.0 × 1.0, 9 Scuppers each side

Ceiling in Holds, thickness and material W.P. 2 1/2 over limbers & under hatchways **Ceiling 'tween Decks,** thickness and material W.P. 6 × 2

Cargo Hatchways.—How formed? Steel coamings **Hatches,** If strong and efficient? Yes. Appd 26/1/06

State size **No. 1 Hatch** (Forward) 5.6 & 7 15.3 × 16.0 **No. 2 Hatch** 17.9 1/2 × 16.0 **No. 3 Hatch** 20.4 × 16.0 **No. 4 Hatch** 14.6 × 16.0

Number of **Web Plates, Shifting Beams** and **Fore** and **Afters** to each Hatch 1 Web & 2 Beams in each hatch

No. of Breasthooks 9 **No. of Crutches** 48 Deep floors.

Bulwarks, height above deck and description Open rails (pt bulwarks 3.6 × 1/4 plate 80 ft) Main Rail, material and size 3 1/2 Double Cope iron

The above is a correct description. FOR HARLAND & WOLFF LTD.

Builder's Signature (here only.) A. M. Carlisle

Surveyor's Signature E. J. Hilton

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

Form No. 1C.

STRAKES.	PLATING. AS IN SHIP. Amidship. Breadth. Inches.	Amidship. Thickness. 20ths	Forward. Thickness. 20ths	Aft. Thickness. 20ths	PER RULE OR AS APPROVED. Amidship. Breadth. Inches.	Amidship. Thickness. 20ths	RIVETING. 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. Inches.	If Lapped. Breadth. Inches.	If Lapped. For what Length. Feet.
FLAT PLATE KEEL (If Bar Keel, state Riveting)	51	23	20	18	50	23	Dbl.	6¾	1 1/8	4 2/7	Tbl.	1 1/8	3 5/8	22	17&14	Dbl Strps	
GARBOARD OR A STRAKE	53	20	20	19	36	20	"	"	"	"	Quad 1/2L	1 1/8	4 2/7				
B (State actual thickness in way of Double Bottom.)		18	18	17		18	"	"	"	"	"	"	"			16¾	Whole
C		18	18	16		18	"	"	"	"	"	"	"			"	"
D		18	18	15		18	"	"	"	"	"	"	"			"	"
E		18	18	15		18	"	"	"	"	"	"	"			"	"
F		18	15	15		18	"	"	"	"	"	"	"			"	"
G		19	17	18		19	"	"	"	"	"	"	"			"	"
H		19	20	18		19	"	"	"	"	Tbl.	"	3 5/8	26½	19		1/2L
J		19	20	18		19	Dbl & Tbl	6¾ & 8½	"	"	" "	"	"	31½	19		3/5L
K		19	20	18		19	"	"	"	"	"	"	4 2/7			16¾	Whole
L		18	20	16		18	"	"	"	"	"	"	"			"	
M		19	20	15		19	"	"	"	"	"	"	"			"	
N		18	20	15		18	"	"	"	"	"	"	"			"	
O		19	20	15		19	"	"	"	"	"	"	"			"	
P		18	15	15		18	"	"	"	"	"	"	"			"	
Q		19	13	15		19	Dbl & Tbl	6¾ & 8½	1 1/8	4 2/7	Quad 1/2L	1 1/8	4 2/7			16¾	Whole
DOUBLING of Flat Plate Keel	Bar Keel 12×3 fitted in lieu of 19/20 thick.																
Length and thickness of Bilges	H 1/2L J 3/5L																
Length and thickness of Sheerstrakes	3/4L	19															
Length and thickness of Strake below	3/5L	20															
POOP SIDES																	
BRIDGE SIDES		12		-		12	Tbl & Dbl	5¼ & 6¾	7/8 & 1 1/8	3 1/3 3¾ & 4 1/8	Tbl & Quad	7/8 1 1/8	3 1/8			10 16¾	
FORECASTLE SIDES																	

[...]ster in service of [p]resent vessels—18 Master of this 18

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. Tested in accordance with the Rules: South Durham, Steel Co of Scotland Glasgow I&S. David Colville & Sons, Dowlais Cardiff Works. Barrow Hematite Steel Co Lanarkshire Steel Co Stewart & Lloyds Ld.*

~~Spar or~~ Awning Stringer Plate { **Butts,** treble riveted for *3/5L & quad for 3/5L* length amidship. **Straps,** ~~single~~, double *&* overlapped for *whole* length amidship.

Main Stringer Plate { **Butts,** treble riveted for *3/5L & quad for 3/5L* length amidship. **Straps,** ~~single~~, double *&* overlapped for *whole* length amidship.

Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted? *Tbl.*

Inner Bottom Plating, riveting of **Edges** *Dbl.* **Butts** *Dbl.*

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

Frames, riveted through Plates with *1 1/8* in. Rivets, about *6½* apart.

Rivets, state whether Iron or Steel *Steel in sheer & 2 strakes below Iron elsewhere Hydraulic riveted sheer & strake below and Awning Dk sheerstrake*

FRAMES extend in one length from *Margin plate* to *weather decks. (Cell DB)*

REVERSED FRAMES on floors and frames extend from *Centre girder to Margin plate & from Margin plate to Awg Dk beam knees at ends and on alternate channel frames amidships to Orlop Deck beam knees.*

MASTS, SPARS, &c.

	Material.	Total Length	Diameter and Thickness. At Partners.	Heel.	Hounds.	Head.	No. of Plates in round.	Angles. Number.	Angles. Size.	Riveting. Seams.	Riveting. Butts.
Lower Masts — Fore	Steel	109	36×10/20	36×10/20	22×8/20	10½×5/20	3	4	4½×3×10/20	Sgl.	Quad to Dbl.
Main	"	113	28×10/20	27×10/20	18×8/20	8½×5/20	3	3	4×3×10/20	"	" "
Mizen	"	100·25	28×10/20	27×10/20	18×8/20	8½×5/20	3	3	4×3×10/20	"	" "
~~Bowsprit~~ Jigger	"	99	26×9/20	25×9/20	15×4/20	7½×6/20	3	3	4×3×7/20	"	" "

Topmasts, Yards and Remainder of **Spars** *Pitch Pine*

Rigging, Material and Size, **Shrouds** *Steel Wire 5½ - 5 - 4½* **Stays** *5½ - 5 - 4½ - 4*

Sails. *One Jib* Suit of ✓ Sails, and the following spare sails ✓

EQUIPMENT No. *99404* LETTER *U+* *Appd. 2/2/04* ANCHORS.

Number of Certificate.	Anchors.	Weight, Ex. Stock Cwts.	qrs.	lbs.	Weight of ~~Stock~~ Head Cwts.	qrs.	lbs.	Test, per Certificate. Tons.	cwts.	qrs.	lbs.	Weight Req. by Rule. Cwts.	qrs.	lbs.	Description of Anchor. (If Patent state Name of Patentee.)	Makers.	Where and when tested and Superintendent.
52893	1st Bower	135	0	21	83	3	0	79	15	0	0	118	—	—	Halls Cast Steel	Hingley & Sons	LPHN. 23/12/04 H Green
52907	2nd	134	3	16	83	2	0	79	8	3	0	118	—	—	Head Do	"	" 24/12/04 "
52892	3rd	116	1	21	69	2	7	73	12	2	0	100	—	—	Do.	"	" 23/12/04 "
	Collective weight	386	2	2								336	—	—			
52894	Stream	52	3	4	30	3	0	44	3	1	21	44	2	—	Do	"	" 23/12/04 "
52838	Kedge	23	0	3	Stock 5	3	5	23	4	1	14	19	—	—	Trotmans	"	" 22/12/04 "
	2nd Kedge																

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.
36593	180	3¼	226 1/5	961·3·24	1503	330 - 3"	Stud	Hingley & Sons	LPHN. 19/12/04
36636	150	3¼	161 3/5	817·2·17	779·2·13			"	28/12/04 H. Green Supt.
36648	90	1¾	77 1/8 55 5/8	139·2·3	not reqd.	by Rule.	Stud	"	" 29/12/04
~~Iron~~ Stream ~~Chain~~ ~~or~~ Steel Wire	150	7	116			150 - 6½			

HAWSERS AND WARPS.

	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per Rule.
TOWLINE		140	7½	128	140 - 7½
HAWSER	2 no	130	3¾	29	120 - 8"
WARP		100	3¾	29	5 in no.
		300	3¼	22	
		100	3	18	
	2 no Man.	100	8"		

Boats *14 Life cutters 28·6. 4 Cutters 28·6, 2 Cutters 24·0 & 4 Berthon Collapsible 28'*

Pumps, Number *9 - 6" 1 - 3"* Diameter of ~~Barrel and~~ Tail Pipe *3½ & 1½*

Windlass is *Iron patent* **Capstan** *Iron patent.*

Engine Room Skylights.—How constructed? *Steel Casings*

What arrangements for deadlights in bad weather? *Wood covers & lights.*

Coal Bunker Openings.—How constructed? *Side ports* How are lids secured? *Hinged & clamps* Height above deck?

Number of **Scuppers,** and number and dimensions of **Freeing Ports, &c.** *Open rails & pt. bulwarks, 1 freeing port 3·0×1·0, 9 Scuppers each side*

Ceiling in Holds, thickness and material *W.P. 2½ over limbers & under hatchways* **Ceiling 'tween Decks,** thickness and material *W.P. 6×2*

Cargo Hatchways.—How formed? *Steel coamings* **Hatches,** If strong and efficient? *Yes. Appd. 26/1/06*

State size **No. 1 Hatch** (Forward) *5,6 & 7 15·3×16·0* **No. 2 Hatch** *17·9½×16·0* **No. 3 Hatch** *20·4×16·0* **No. 4 Hatch** *14·6×16·0*

Number of **Web Plates, Shifting Beams** and **Fore** and **Afters** to each Hatch *1 Web & 2 Beams in each hatch*

No. of Breasthooks *9* **No. of Crutches** *48 Deep floors.*

Bulwarks, height above deck and description *Open rails (pt. bulwarks 3·6×¼ plate 80 ft.)* Main Rail, material and size *3⅞ Double Cope iron*

The above is a correct description. FOR HARLAND & WOLFF LTD.

Builder's Signature (here only.) *A. M. Carlisle*

Surveyor's Signature *E. J. Hilton*

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

Form No. 1C.

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

M 26.10.03 12.2.04. 27.3.05. 9.10.05. 26.1.06.

Workmanship. Are the butts of plating planed or otherwise fitted? Planed & lapped.

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 plating? A few.

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

General Remarks (State quality of workmanship, &c.) This vessel has been built in accordance with the Rules the Approved Plans and the Secretary's Letters quoted above. The workmanship and materials are good throughout.

No cement has been laid on the inner surface of the shell plating inside the Double Bottom, except over the outside plates.

Cement in bilges etc as usual.

Immediately after launching the wind carried the vessel against the pier head at the entrance to the Spencer basin and the Starboard propeller fouled same, causing the tail end shaft to draw aft, the coupling flange of which then caught against the athwartship web of the frame before the stuffing box bulkhead, bending and slightly fracturing it.

A frame back bar, to efficiently compensate for the damage, has been prepared and will be fitted in place on the first occasion of the vessel being placed in drydock.

Weather decks and side scuttles in hull tested with a hose with satisfactory results. Watertight doors worked & tested and hand pumps worked all with satisfactory results.

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. 272 ft., F'castle — 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 it should appear in the Register Book) 4 Dks (Steel - Awg & Main - W.S.) and lower Orlop Deck in 1.2.3 & 5 holds.

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside Portland Cement & Paint Outside Paint

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,	155'	685	Fore peak tank,	26'	130
Double bottom, forward,	220' 7½	1293	After peak tank,	22'	114
Double bottom, under Engines and Boilers,	89'	586	Midship deep tank,	53' 4½	1330
Double bottom, if under Engines only,			Other tanks, if fitted,		
Double bottom, if under Boilers only,		2564	(If necessary, furnish further information by sketch.)		

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

Order for Special Survey No. 484 Date 14th Jan 1904

Order for Ordinary Survey No. Date

No. 366 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

1903 Nov. 24. Dec. 9. 24. 1904 Jan 8, 18. 22, 29. Feb. 3. 8. 10. 11. 16. 22. 25. Mar 3. 9 16. 22. 28. Apl 12. 18. 21. 26. May 2. 6. 10 June 7. 9. 14. 16. 21. 29. 30. July 5. 20, 28. Aug 3. 8. 15. 19. 23. 24. 26, Sep. 1. 3. 6. 8. 9. 12. 13. 19 23. 26. 28. 30. Oct 4. 6. 11. 12. 18. Nov. 8. 11. 28. 30. Dec. 1. 13. 15. 20 23. 1905. Jan 4. 10. 12. 31. Feb 1. 28. Mar. 1. 4. 9. 13. 14. 17. 21. 22. 23. 24 26. 27. April 3. 7. 12. 17. 18. 19. 28. May 1. 2 10. 16. 29. June 2. 6. 9. 14. 19. 21. 23. 26. 29. 30 July 4 Aug 21. 24. 28. 30. Sep 1. 4. 14. 19. 26. 28. 29. Oct 10. 13. 16. 18 20. 23. 26. 31. Nov. 1. 7. 9. 13. 15. 17. 22. 24. 27. 28. 29. 30. Dec. 1. 4. 5. 6 8. 11. 14. 18. 20. 1906. 1. 5. 8. 10. 16. 17. 22. 23. 25. 29 31. Feb 2. 7. 8. 12. 13. 14. 16. 19. 21.

Total No. of Visits 172.

The amount of Entry Fee £ 5 : 0 : 0
Special Survey Fee £ 430 : 17 : 6
Travelling Expenses, if any £ : :

Fees applied for, 26/2/1906
Received by me, 2. 3. 06 18

Certificate to be sent to This Office

* with the above mentioned repair being effected on the first convenient opportunity.

I am of opinion this Vessel should be Classed ✠ 100 A 1 (Steel) Awning Deck Subject* With, or without Freeboard, as condition of Class With freeboard.

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

Committee's Minute TUES. 6 MAR 1906 TUES. 12 JUN 1906 FRI. 15 JUN 1906

Character assigned 100 A1 awn dk with fbd } subject S. 13. 3" &c.

TUES. 31 JUL 1906
TUES. 4 SEP 1906

Lloyds P & C.P. + LMC 2.06 Elec. lght

FRI. FEB 22 1907
TUES JUL 23 1907
FRI. 31 JUL 1908

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

7/9/06

W673-0021 3/3