

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

IRON OR STEEL STEAMER.

No. 41036.

State if Report is also sent on the Machinery of the Vessel. *No.*
Date of completion of Report *18th July 1904*

Received at London Office *18th JUL 1904*

Port of *Rotterdam*

Last Survey *15th July*

1904

Rig *Schooner*

Survey held at *Hardinxveld*
On the *Steel Screw Steamer Hurricane*

Date, First Survey *21/1-04*

TONNAGE under

Tonnage Deck... *201.51*

Do. of Poop *30.52*

Do. of Raised Qr. *1.32*

Do. or Break. *12.79*

Do. of Bridge House *11.69*

Do. of Forecastle *18.19*

Do. above Crown of *246.02*

Gross Tonnage *18.74*

Less Crew Space *15.28*

Less above Crown of *149.92*

Engine Room *12.26*

Less Navigation Spaces

Register Tonnage *95.10*

as cut on Beam

ONE OR TWO DECKED VESSEL.

CLASS *100 A 1.*

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 *42.10*

Length on deck from after part of stem to fore part of stern post *129.0*

2nd Number *5431*

Proportions—Breadths to Length *5.8*

Depths to Length—Main Deck to top of Keel *11.7*

Destined Voyage *Middle East*

Master *V*

Year of appointment *(1) As master in service of owner of present vessel:—19*

Built at *Hardinxveld*

When built *1904* Launched *24th June 04*

By whom built *Rangveld & Van Fleet*

Owners *Shipping Investments Ltd*

Managers *Ch. Fide*

Residence *London*

Port belonging to *London*

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

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams	Feet.	Inches.	No. of Decks with Flat laid	No. of Tiers of Beams
<i>129.0</i>	<i>129</i>	<i>0</i>	<i>22.0</i>	<i>22</i>	<i>0</i>	<i>9 11 1/2</i>	<i>9</i>	<i>11 1/2</i>	<i>one bulk</i>	<i>one bulk</i>

Dimensions of Ship per Register, Length, *130.0* breadth, *22.2* depth, *9.8* Moulded Depth, *10* ft. *6* ins. Round of Beam, Actual *5 1/2* ins.

FRAMING.				FORGINGS AND CASTINGS.			
Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule or as Approved.	Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule or as Approved.
FRAME, Angles, 1 1/2 or 2 Bars, for 1/2 length amidships				KEEL, Bar or Side Plates depth and thickness			
3	2 1/2	5	3 2 1/2 5-	<i>Flat keel plate</i>			
Do. for 1/2 at each end				STEM, moulding and thickness			
3	2 1/2	5	3 2 1/2 5	<i>6" x 1 3/8"</i>			
Do. in way of Double Bottoms at Solid Floors				SERN-POST for Rudder do. do.			
3	2 1/2	5	3 2 1/2 5	<i>6 x 3</i>			
Spacing of Frames from centre to centre				for Propeller			
	21"		21"	<i>6 x 3</i>			
REVERSED FRAME, Angles				MAIN PIECE of Rudder, diameter at head			
2 1/2	2 1/2	5	2 1/2 2 1/2 5	<i>4"</i>			
DEEP FRAMING, depth of girder				do. at heel			
12"	6	12"	6	<i>3 3/4</i>			
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships				RUDDER, how constructed			
	7-8		7-8	<i>Single plate 10/20 Plan approved</i>			
thickness at the ends of vessel				Can the Rudder be unshipped afloat?			
	5		5	<i>Yes</i>			
depth at 1/2 the half breadth, as per Rule				KEELSONS AND STRINGERS.			
	6" flat		6"	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
height extended at the Bilges				<i>20</i>			
	24"		24"	Rider Plate			
	6		6	<i>6 1/2</i>			
FLOORS & BRACKETS, in Cell Dble Bottoms				Bulb Plate to Intercoastal Keelson			
	21"		21"	<i>4 1/2</i>			
CENTRE GIRDER, in Double Bottom, depth and thickness				Horizontal Plates on Floors			
40	8	40	8	<i>4 1/2</i>			
Angles, Top				Angles			
3	3	6	3 3 6	<i>3</i>			
Bottom				SIDE KEELSON, Angles			
3	3	6	3 3 6	<i>3</i>			
SIDE GIRDERS, number on each side & thickness				Bulb or Plate above floors for lng.			
one	6	one	6	<i>added in fore-hol.</i>			
state if flanged (top & bottom)				Intercoastal Plate for 1/2 length			
<i>Half depth of stem</i>	<i>20"</i>			<i>5</i>			
3	3 1/2	6	3 2 1/2 6	Attached to outside plating with Angle			
36"	6	36"	6	<i>3</i>			
Angles to Outside Plating				BILGE KEELSON, Angles			
3	3	4	3 3 4	<i>3</i>			
Floors				Bulb or Plate above floors for 1/2 lng.			
	5		5	<i>5 1/2</i>			
Height of Floors at the Bilges				Intercoastal Plate for 1/2 length			
44"	5	44"	5	Attached to outside plating with Angle			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake				BILGE STRINGER Angles			
60"	6	60"	6	<i>3</i>			
Remainder in Holds				Bulb or Intercoastal Plate for 1/2 lng.			
	6		6	<i>12</i>			
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb				Attached to outside plating with Angle			
4 2 1/2	6	4 2 1/2	6	<i>3</i>			
Angles on Upper Edge				<i>3</i>			
21"	21"	21"	21"	Main and Raised Quarter Deck Stringer Plate, breadth and thickness			
Spacing				<i>33</i>			
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb				Angle on ditto			
				<i>3-3</i>			
Angles on Upper Edge				Tie Plates, outside Hatchways			
				<i>6</i>			
Spacing				Diagonal Tie Plates on Bms., No. of Pairs			
				<i>5</i>			
BEAMS, Hold, Plate or Tee Bulb				Main Dk* Iron or Steel for lng.			
				<i>5</i>			
Angles on Upper Edge				R. Q. Dk* Iron or Steel for lng.			
				<i>5</i>			
Spacing				Wood Deck, Material & thickness			
				<i>5</i>			
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb				Lower Deck Stringer Plate, breadth and thickness			
				<i>5</i>			
Angles on Upper Edge				Angles on ditto, No.			
				<i>5</i>			
Spacing				Tie Plates, outside Hatchways			
				<i>6</i>			
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb				Deck* Material and thickness			
				<i>5</i>			
Angles on Upper Edge				Hold Stringer Plate			
				<i>5</i>			
Spacing				Angles on ditto, No.			
				<i>5</i>			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb				Poop Deck Stringer Plate, breadth & thickness			
4 1/2	3	4 1/2	3	<i>5</i>			
Angles on Upper Edge				Angle on ditto			
				<i>5</i>			
Spacing				Tie Plates			
				<i>6</i>			
PILLARS, In 'tween Decks, Size and Spacing				Deck, Material and thickness			
				<i>5</i>			
Hold				Forecastle Deck Stringer Plate, brdth & thcknss			
				<i>24</i>			
Quarter, 'tween Dks.,				Angle on ditto			
				<i>3-3</i>			
in Hold				Tie Plates			
				<i>5</i>			
WEB FRAMES, In Fore Body, No. and Spacing				Deck, Material and thickness			
				<i>5</i>			
No. of Side Stringers				Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness			
				<i>5</i>			
WEB FRAMES, In E. & B. Space, No. and Spacing				Angle on ditto			
				<i>5</i>			
No. of Side Stringers				Tie Plates			
				<i>6</i>			
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness				Deck, Material and thickness			
				<i>5</i>			

PLATING.

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		UPPER EDGES.		RIVETING.		BUTTS.		IF LAPPED.	
	Breadth.	Thickness.	Forward.	Aft.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.
FLAT PLATE KEEL (If Bar Keel, state Riveting)	31	9	8	8	31	9	Double	4 1/2	3/4	3	1 1/2	3/4	2 5/8	1 1/2
GARBOARD OR A STRAKE	42	8	8	8	42	8	"	"	"	"	"	"	"	"
B "	54	8	5	5	54	8	"	"	"	"	"	"	"	"
C "	42	8	6	6	42	8	"	"	"	"	"	"	"	"
D "	48	6	5	5	48	6	"	"	"	"	"	"	"	"
E "	41	4	6	6	41	4	"	"	"	"	"	"	"	"
F "	31	9	7	7	31	9	"	"	"	"	"	"	"	"
G "														
H "														
J "														
K "														
L "														
M "														
N "														
O "														
P "														
DOUBLING OF FLAT PLATE KEEL														
Length and thickness of Bilges	Ten frame spaces 1/2" as in profile plan.													
Length and thickness of Sheerstrakes	Ten frame spaces 1/2" as in profile plan.													
Length and thickness of Strake below	Ten frame spaces 1/2" as in profile plan.													
POOP SIDES	4		6		4-6		as above						1 1/2"	
RAISED QUARTER DECK SIDES														
BRIDGE SIDES														
FORECASTLE SIDES														
LENGTHS OF PLATING	Ten frames													

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. *Reunert & Co. Hamburg*

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

FRAMES extend in one length from *Keelcase* to *Sts.* state if ordinary or joggled. *Ordinary*

REVERSED FRAMES on floors and frames extend from *Keelcase* to *Upper Turn of Bilge, Side* state if ordinary or joggled. *Do*

Stringer, Main and R.Q.D. alternately

MASTS, SPARS, &c.

LOWER MASTS	Material.	Total length.	DIAMETER AND THICKNESS.		No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.		Heads.	Number.	Size.	Seams.
Fore	<i>Pine</i>	<i>Polenmast</i>							
Main	"	"							
Mizen	"	"							

Bowsprit *Pine*

Topmasts, Yards and Remainder of Spars *Pine*

Rigging, Material and Size, Shrouds *Steel wire 3x5*

Sails *One* Suit of *Fore and aft* Sails and the following spare sails *none*

Equipment No. *5982* Letter *d*

ANCHORS. Tonnage U.Dk. or Plating No. for Trawlers.

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.		Cwts.	qrs.	lbs.			
<i>4436</i>	1st Bower	<i>4</i>	<i>1</i>	<i>22</i>	<i>4</i>	<i>1</i>	<i>22</i>	<i>956</i>	<i>4</i>	<i>1</i>	<i>0</i>	<i>Shank Patent</i>	<i>Cardiff June 28th 1904</i>	
<i>4437</i>	2nd "	<i>4</i>	<i>1</i>	<i>0</i>	<i>4</i>	<i>1</i>	<i>0</i>	<i>95</i>	<i>4</i>	<i>1</i>	<i>0</i>	"	"	
	3rd "	<i>4</i>	<i>1</i>	<i>0</i>	<i>4</i>	<i>1</i>	<i>0</i>	<i>95</i>	<i>4</i>	<i>1</i>	<i>0</i>	"	"	
	Collective weight	<i>14</i>	<i>3</i>	<i>22</i>	<i>14</i>	<i>3</i>	<i>22</i>		<i>14</i>	<i>3</i>	<i>0</i>			
	Stream	<i>1</i>	<i>2</i>	<i>0</i>	<i>1</i>	<i>2</i>	<i>0</i>	<i>Shank Patent</i>	<i>1</i>	<i>2</i>	<i>0</i>	<i>These anchors have not been tested</i>		
	Kedge	<i>3</i>	<i>0</i>		<i>3</i>	<i>0</i>		<i>Shank Patent</i>	<i>3</i>	<i>0</i>		<i>note C.A. 168 lbs. and up - in weight</i>		

CHAIN CABLES.

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.			Length & Size per Table 22.	Description.	Makers of Cables.	When and where tested and Superintendent.	Material.	Length and size supplied.	Breaking Test of Steel Wire Towline.	Length and size per Table 22.
			Supplied.	Per Table 22.	Per Table 22.								
<i>3659</i>	<i>165 1/2"</i>	<i>13 3/4 20 1/2 69 2 1/4</i>	<i>165 1/2"</i>	<i>13 3/4 20 1/2 69 2 1/4</i>	<i>165 1/2"</i>	<i>Shank V</i>	<i>Cardiff June 28th 1904</i>	<i>Shank V</i>	<i>Cardiff June 28th 1904</i>	<i>Shank V</i>	<i>76 45 2 1/4 9 1/2 5 1/2 2 1/4</i>	<i>76 45 2 1/4 9 1/2 5 1/2 2 1/4</i>	
	<i>45 2 1/4"</i>	<i>13 3/4 20 1/2 69 2 1/4</i>	<i>45 2 1/4"</i>	<i>13 3/4 20 1/2 69 2 1/4</i>	<i>45 2 1/4"</i>	<i>Shank V</i>	<i>Cardiff June 28th 1904</i>	<i>Shank V</i>	<i>Cardiff June 28th 1904</i>	<i>Shank V</i>	<i>76 45 2 1/4 9 1/2 5 1/2 2 1/4</i>	<i>76 45 2 1/4 9 1/2 5 1/2 2 1/4</i>	

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.	Test per Certificate.	Length & Size per Table 22.	Description.	Makers of Cables.	When and where tested and Superintendent.	Material.	Length and size supplied.	Breaking Test of Steel Wire Towline.	Length and size per Table 22.
<i>3659</i>	<i>165 1/2"</i>	<i>13 3/4 20 1/2 69 2 1/4</i>	<i>165 1/2"</i>	<i>Shank V</i>	<i>Cardiff June 28th 1904</i>	<i>Shank V</i>	<i>Cardiff June 28th 1904</i>	<i>Shank V</i>	<i>Cardiff June 28th 1904</i>	<i>Shank V</i>

Boats *Two boats*

Pumps Number *Two* (one in peak room in hold) Diameter of Barrel *5"* State whether they are in efficient working order *Yes*

Windlass is *Reunert & Co. Patent* Capstan *V*

Engine Room Skylights—How constructed? *Best Teak wood*

What arrangements for deadlights in bad weather? *Best Teak wood with dead lights*

Coal Bunker Openings—How constructed? *Shel* How are lids secured? *Bottoms* Height above deck? *Top of engine casing*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *Three ports. 30"x20" in keel, four scuppers*

Ceiling in Holds, thickness and material *Pine 2"* Cargo Battens, thickness and material *Pine 2"*

Cargo Hatchways—How formed? *Shel and angle* Hatches—If strong and efficient? *Pine 2 1/2"*

State size No. 1 Hatch (Forward) *8'9"x8'11"* No. 2 Hatch *28'0"x11'9"* No. 3 Hatch *V* No. 4 Hatch *V*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *Not half one fore and after, No 1 Hatch*

Two webs. Three fore and afters No. of Breasthooks *Two* No. of Crutches *One*

Bulwarks, height above deck and description *Shel 3'6"* Main Rail and Stays, material and size *5x2 1/2" T5-6 1/4*

The above is a correct description. *Scheepsbouwwerf, de Merwede*

Builder's Signature (here only) *P. O. Langewald & van Vliet* Surveyor's Signature *P. J. Leeuwenburg*

Form No. 1A.

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

Letter M. 24th-03-15/1-04. Remus. E. 24th-24th-04-

Workmanship. Are the butts of plating planed or otherwise fitted? *Overlapped, shipped and caulked*

Is the riveted work properly closed? *Yes. Patis Factory*

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. a few*

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

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par. 24)? *Yes* State results of tests *Patis Factory*

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

General Remarks (State quality of workmanship, &c.) *The workmanship throughout was found satisfactory and the vessel has been built in accordance with the approved plans, Secretary's Orders, referred to above and in general conformity with the Society's Rules. The vessel is engaged at Middlesbrough and the following remains to be completed. Beams and top plating on engine and boiler casing. All Ballast Tanks have been tested and found good. Landpumps fitted in accordance with the approved plan. and the Steel Main Deck please see profile plan, has been extended complete to the boiler room bulkhead. The Suction pipes for Steam Suction in forepeak, double bottom forward, forepeak and afterpeak have been laid and are found in accordance with the approved plan. Forwarded, like etc. but require to be extended at engine and boiler space in Middlesbrough and further examined. Diameters Suction pipes all 2"*

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *V* ft., R.Q.D. or Break *50.25* ft., Bridge Dk. *V* ft., F'castle *19.25* 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 *V*

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) *See Sd. Vessel. One Steel Deck*

Official No. *27*; Signal Letters *None* State if Machinery is fitted aft *Yes*

How are the surfaces preserved from oxidation? Inside *Cement and Paint* Outside *Paint*

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

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	<i>18'3"</i>	<i>24-</i>
Double bottom, under Engines and Boilers,			After peak tank,	<i>As Sd. Measured</i>	<i>16-</i>
Double bottom, if under Engines only,			Deep tank, aft		
Double bottom, if under Boilers only,			Deep tank, forward		
Double bottom, forward,	<i>See profile Plan. 21'0"</i>	<i>25-</i>	Other tanks, if fitted,		

* 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. *166*

Date *4th Jan. 1904*

No. *27* in builder's yard

Dates of Surveys held while building *2/1-28/1-13/2-7/3-21/3-1/4-14/4-21/4-10/5-19/5-6/6-14/6-24/6-4/7-15/7-*

The amount of Entry Fee *£ 2 : 0 : 0* Fees applied for, *19*

Special *£ 12 : 14 : 0* Received by me, *4.8.04*

Travelling Expenses, if any *£ 4 : 15 : 0* *27.19.04*

State whether the Vessel has been built under Special Survey *Yes*

I am of opinion this Vessel should be Classed *1st 100 B1*

With, or without Freeboard, as condition of Class *With out*

Committee's Minute *TUES. 13 SEP 1904*

Character assigned *100A1 Steel*

Lordarcl

tening, 04

Write N.Y.B.

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