

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

IRON OR STEEL STEAMER.

No. 4030 a

State if Report is also sent on the Machinery of the Vessel *On Danby River* Received at London *14 JUL 1904*
Date of completion of Report *12th July 1904* Port of *Rotterdam*
Date, First Survey *6th Jan. 04* Last Survey *9th July 1904*
Survey held at *Capelee & Co. Ltd.* Rig *Schooner*
On the *Steel Screw Steamer Green Road* Master *V.*

TONNAGE under Tonnage Deck... *491.34*
Do. of Poop *29.42*
Do. of Raised Gr. *24.92*
Do. of Bridge House *22.26*
Do. of Forecastle *4.88*
Do. of excess of Hatchways *28.46*
Do. above Crown of *105.08*
Engine Room *55.62*
Gross Tonnage *105.08*
Less Crew Space *55.62*
Less above Crown of *959.46*
Engine Room *324.23*
TONNAGE FOR FEES *25.12*
Less Engine Room *609.51*
Less Navigation Sp. *25.12*

ONE OR TWO DECKED VESSEL.
CLASS *100 A.1.*

Half Breadth (moulded) *16.0*
Depth from upper part of Keel to top of Main Deck Bms. *16.92*
Girth of Half Midship Frame (as per Rule) *30.28*
1st Number *63.20*
Length on deck from after part of stem to fore part of stern post *215.00*
2nd Number *13588*
Proportions—Breadths to Length *6.4*
Depths to Length—Main Deck to top of Keel *12.4*

Year of appointment (1) As master in service of owner of present vessel: *19*
(2) As master of this vessel: *19*
Built at *Capelee & Co. Ltd.*
When built *1904* **Launched** *4th June 1904*
By whom built *St. Ruych*
Owners *John Holman & Sons Ltd.*
Managers *P.*
Residence *London*
Port belonging to *London*

Destined Voyage *South Shields* If Surveyed while Building, Afloat, or in Dry Dock *Building*

LENGTH on Deck as Feet. *215* Inches. *0*
BREADTH— Feet. *32* Inches. *0*
DEPTH, ACTUAL— Feet. *15* Inches. *4 1/2*
No. of Decks with Flat laid *One Dk.*
No. of Tiers of Beams *Deep framing*
Dimensions of Ship per Register, Length, 215.6, breadth, 32.15, depth, 15.35, Moulded Depth, 16 ft. 3 ins. Round of Beam, Actual 8 ins.

FRAMING.						FORGINGS AND CASTINGS.					
FRAME, Angles, 7. E or E Bars, for 1/2 length amidships						KEEL, Bar or Side Plates depth and thickness					
Do. for 1/2 at each end						STEM, moulding and thickness					
Do. in way of Double Bottoms at Solid Floors						STERN-POST for Rudder do. do.					
Spacing of Frames from centre to centre						for Propeller					
REVERSED FRAME, Angles						MAIN PIECE of Rudder, diameter at head					
DEEP FRAMING, depth of girder						do. at heel					
FLOORS, depth and thickness of Floor Plate						RUDDER, how constructed					
at mid-line for 1/2 length amidships						Can the Rudder be unshipped afloat?					
in way of Engines and Boilers						KEELSONS AND STRINGERS.					
thickness at the ends of vessel						CENTRE LINE KEELSON, Vertical Plate above					
depth at 1/2 the half breadth, as per Rule						floors, Through Plate, or Intercoastal Plate					
height extended at the Bilges						Rider Plate					
FLOORS & BRACKETS, in Cell Dble Bottoms						Bulb Plate to Intercoastal Keelson					
state if flanged (top & bottom)						Horizontal Plates on Floors					
Spacing						Angles					
CENTRE GIRDER, in Double Bottom, depth						SIDE KEELSON, Angles					
and thickness						Bulb or Plate above floors for					
Angles, Top						Intercoastal Plate for					
Bottom						Attached to outside plating with Angle					
SIDE GIRDERS, number on each side & thickness						BILGE KEELSON, Angles					
state if flanged (top & bottom)						Bulb or Plate above floors for					
Angles						Intercoastal Plate for					
MARGIN PLATE, depth (exclusive of flange)						Attached to outside plating with Angle					
and thickness						BILGE STRINGER Angles					
Angles to Outside Plating						Bulb Plate for					
Floors						Intercoastal Plate for					
Height of Floors at the Bilges						Attached to outside plating with Angle					
INNER BOTTOM PLATING, breadth and						SIDE STRINGER Angles					
thickness of Middle Line Strake						Bulb or Intercoastal Plate for					
thickness in Engine and Boiler space						Attached to outside plating with Angle					
Remainder in Holds						Main and Raised Quarter Deck Stringer					
BEAMS, Main and Raised Quarter Deck						Plate, breadth and thickness					
Single Angle, Bulb Angle, Plate or Tee Bulb						Angle on ditto					
Angles on Upper Edge						Tie Plates, outside Hatchways					
Spacing						Diagonal Tie Plates on Bms., No. of Pairs					
BEAMS, Lower Deck, Single Angle, Bulb						Main Dk* Iron or Steel for					
Angle, Plate or Tee Bulb						R. Q. Dk* Iron or Steel for					
Angles on Upper Edge						Wood Deck, Material & thickness					
Spacing						Lower Deck Stringer Plate, breadth and					
BEAMS, Hold, Plate or Tee Bulb						thickness					
Angles on Upper Edge						Angles on ditto, No.					
Spacing						Tie Plates, outside Hatchways					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate						Deck* Material and thickness					
or Tee Bulb						Hold Stringer Plate					
Angles on Upper Edge						Angles on ditto, No.					
Spacing						Poop Deck Stringer Plate, breadth & thickness					
BEAMS, Bridge or Pt. Awng. Deck, Angle						Angle on ditto					
Bulb Angle Plate or Tee Bulb						Tie Plates					
Angles on Upper Edge						Deck, Material and thickness					
Spacing						Bridge or Pt. Awng. Deck Stringer Plate					
BEAMS, Forecastle Deck, Angle, Bulb Angle,						breadth and thickness					
Plate or Tee Bulb						Angle on ditto					
Angles on Upper Edge						Tie Plates					
Spacing						Deck, Material and thickness					
PILLARS, In 'tween Decks, Size and Spacing						Forecastle Deck Stringer Plate, brdth & theknss					
Hold						Angle on ditto					
Quarter, 'tween Dks.,						Tie Plates					
in Hold						Deck, Material and thickness					
WEB FRAMES, In Fore Body, No. and Spacing						* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.					
No. of Side Stringers						BULKHEADS.					
WEB FRAMES, In E. & B. Space, No. & Spacing						Number.					
No. of Side Stringers						In Vessel.					
WEB FRAMES, In After Body, No. and Spacing						Per Rule.					
No. of Side Stringers						Thickness.					
Size of Angles or Tee Bars to Web Frames						Horizontal.					
BRACKET PLATES to Stringers between						Vertical.					
Web Frames, Depth and Thickness						Single or Double Frames.					
						Height up.					

(In Engine and Boiler space.)

W1230-01482

PLATING.

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.		RIVETING.	
	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.	FORWARD.	AFT.	Single or Double.	Breadth of Lap.	RIVETS.	STRAPS.
FLAT PLATE KEEL (If Bar Keel, state Riveting)	36	13	10	34	13	10	Double	5 1/2	7/8	3 5/8
GARBOARD OF A STRAKE	52	10	9	10	10	10	"	4 1/2	3/4	3 1/4
B	44	9	8	9	9	9	"	"	"	"
C	44	9	8	9	9	9	"	"	"	"
D	44	10	8	9	10	10	"	"	"	"
E	54	10	8	9	10	10	"	"	"	"
F	46	9	8	9	9	9	"	"	"	"
G	54	10	8	9	10	10	"	5 1/4	7/8	3 5/8
H	43	13	9	9	36	13	"	"	"	"
J										
K										
L										
M										
N										
O										
P										

Write "See Strake" opposite its corresponding letter.

DOUBLING OF Flat Plate Keel

Length and thickness of Sheerstrakes. 29'-0" 10 1/2 in way of Bridge as per profile plan.

Length and thickness of Strake below Sheerstrakes. 21'-0" 12 in way of B.G. Deck

POOP SIDES 8' Double as above

RAISED QUARTER DECK SIDES 8' Double as above

BRIDGE SIDES 8' Double as above

FORECASTLE SIDES 6' Double as above

LENGTHS OF PLATING Nine frame spaces.

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. *Reimers, Martin.*

Reimers, Berg, works, and Houston Rein.

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

FRAMES extend in one length from *Margin plate* to *Deck* state if ordinary or joggled *Ordinary*

REVERSED FRAMES on floors and frames extend from *Margin plate to Main and B.G. Deck* state if ordinary or joggled *Do*

MASTS, SPARS, &c.

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

Bowsprit *V Pine Cargo Terricks.*

Topmasts, Yards and Remainder of Spars *Pine Cargo Terricks.*

Rigging, Material and Size, Shrouds *Steel wire.*

Sails. *One* Suit of *Good Quality* Sails and the following spare sails *None*

Equipment No. *14890* **Letter** *M.*

ANCHORS. Tonnage U.D.K. or Plating No. for Trawlers

Number of Certificate.	Anchors.	WEIGHT, EX-STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			
5021	1st Bower	22	2	14	22	16	3	14	22	2	0	<i>Patent</i>	<i>Switzerland 19/5-04</i>
5030	2nd "	22	2	14	"	"	"	"	22	2	0	<i>Patent</i>	<i>Switzerland 20/5-04</i>
4919	3rd "	19	1	0	"	"	"	"	19	0	0	<i>Patent</i>	<i>Switzerland 29/4-04</i>
	Collective weight	64	2	0	64	0	0		64	0	0		
26480	Stream	6	1	24	8	12	2	0	6	2	0	<i>Ordinary</i>	<i>Switzerland 13/5-04</i>
26478	Kedge	3	1	2	5	14	1	14	3	1	0	"	<i>C.E. Reimers</i>

CHAIN CABLES.

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.			Length and Size per Table 22.	Description.	Makers of Cables.	When and where tested and Superintendent.
			Length.	Diam.	Weight.				
26499	210' 1 1/8"	37 1/8	225	2	14	210' 1 1/8"	<i>Patent</i>	<i>Switzerland 20/5-04</i>	
			225	2	14	210' 1 1/8"	<i>Patent</i>	<i>Switzerland 20/5-04</i>	
			225	2	14	210' 1 1/8"	<i>Patent</i>	<i>Switzerland 20/5-04</i>	

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.	Test per Certificate.	Length and Size per Table 22.	Description.	Makers of Cables.	When and where tested and Superintendent.	Material.	Length and Size supplied.	Breaking Test of Steel Wire per Table 22.	Length and Size per Table 22.
26499	210' 1 1/8"	37 1/8	210' 1 1/8"	<i>Patent</i>	<i>Switzerland 20/5-04</i>	<i>Patent</i>	<i>Switzerland 20/5-04</i>	210' 1 1/8"	37 1/8	
			210' 1 1/8"	<i>Patent</i>	<i>Switzerland 20/5-04</i>	<i>Patent</i>	<i>Switzerland 20/5-04</i>	210' 1 1/8"	37 1/8	
			210' 1 1/8"	<i>Patent</i>	<i>Switzerland 20/5-04</i>	<i>Patent</i>	<i>Switzerland 20/5-04</i>	210' 1 1/8"	37 1/8	

Boats *Three Boats*

Pumps, Number *One in each hold* Diameter of Barrel *5"* State whether they are in efficient working order *Yes*

Windlass is *Steam* **Capstan** *Yes*

Engine Room Skylights.—How constructed? *Steel and Angle*

What arrangements for deadlights in bad weather? *Peak wood sides with deadlights*

Coal Bunker Openings.—How constructed? *Steel and Angle* How are lids secured? *Battens* Height above deck? *18" Bridge*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *Three Scuppers. Three freeing ports. 36x24.*

Ceiling in Holds, thickness and material *P.P. 2 1/2"* Cargo Battens, thickness and material *Pine 2 1/2"*

Cargo Hatchways.—How formed? *Steel and Angle* Hatches.—If strong and efficient?

State size No. 1 Hatch (Forward) *15'-4" x 14'-0"* No. 2 Hatch *15'-4" x 14'-0"* No. 3 Hatch *15'-4" x 14'-0"* No. 4 Hatch *15'-4" x 14'-0"*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *20" Lath one web, other Lathes are Shifting*

Bulwarks, height above deck and description *Steel 4'-0"* No. of Breasthooks *Three* No. of Crutches *Three*

The above is a correct description.

Builder's Signature (here only) *[Signature]* Surveyor's Signature *P. Reimersburg* Surveyor to Lloyd's Register of British and Foreign Shipping.

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

M. London 25th August 1903.

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

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 facing 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*

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

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

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

This vessel has been built in accordance with the approved plans, and the instructions contained in Secretary's letter referred to above - and in general conformity with Poccit's Rules.

No. water ballast tank fitted in forepeak, a handpump has been fitted.

The vessel is loaded to South Shields and the machinery will be fitted on board by G. E. Gray Esq.

The workmanship is Pat's Factory and the following remains to be completed on board: Tunnel plate + frames to be riveted, Engine Room skylight and top of Engine and Boiler casing to be completed.

Machinery sold Puccit. Letter E 27/5-04. all pipes in Ballast Tank and holds have been completed in accordance with the approved plan as far as Engine and Boiler space. Bulkhead.

The Surveyor should state the Number of Report and Name of any Sister Vessel. *P.D. Helma Report no. 3798*

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *11* ft., R.Q.D. or Break *13.6* ft., Bridge Dk. *11.2* ft., F'castle *21.0* 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.

See Sh. vessel See profile. Bridge Sh. on top of Main Sh.

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). *Steel Sh.*

Official No. *252*; Signal Letters *None* State if Machinery is fitted aft *No*

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 Sh.*

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
Double bottom, aft, <i>One length.</i>	<i>61.3</i>	<i>90</i>	Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,	<i>on top 9.6</i>	<i>10</i>
Double bottom, if under Boilers only,			Deep tank, forward		
Double bottom, forward, <i>Divided in two</i>	<i>20.5</i>	<i>142</i>	Other tanks, if fitted,		

(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 (Load)*

Order for Special Survey No. *168*

Date *London 14/1-04*

No. *252* in builder's yard

Days of Survey held while building *6/1-20/1-6/2-9/2-20/2-27/2-3/3-11/3-14/3-28/3-12/4-3/5*

11/5-24/5-31/5-2/6-4/6-15/6-29/6-9/7-19/7

Total No. of Visits *20*

The amount of Entry Fee *£ 3 : 0 : 0*

Special *£ 47 : 19 : 0*

Travelling Expenses, if any *£ 3 : 0 : 0*

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

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

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

Committee's Minute *FRI. 12 AUG 1904*

Character assigned *100 A 1 (Steel)*

Lloyds at 6.0 W. L.M. 8.04

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