

3 Decks.

## IRON OR STEEL STEAMER.

Received at London Office WED. 30 NOV 1904

State if Report is also sent on the Machinery of the Vessel *Yes*Date of completion of report *29th November, 1904* Port of *Sunderland* No. *22062*  
Survey held at *Sunderland* Date, First Survey *11th November, 1903* Last Survey *21st November, 1904*  
On the *"BERMUDIAN"* Rig *Schooner*TONNAGE under Tonnage Deck... *4867.10*

THREE DECKED VESSEL.

Master *P. J. Fraser*Year of appointment *(1) As Master in service of owner of present vessel—18.88  
(2) As Master of this vessel—1904*Do. between Tonnage Dk. and 3rd and 4th Dk. *✓*CLASS *+100 A1*

FEET.

Built at *Sunderland*When built *1904* Launched *14<sup>th</sup> June 04*By whom built *W. James & Sons Ltd*Owners *Quebec Steamship Co. Ltd*Managers *"*

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

Residence *Quebec*Port belonging to *London*Do. of Poop Round House *602.41*Do. of Bridge House *✓*Do. of Forecastle *✓*Do. of Houses on Dk. *✓*Do. of excess of Hatchways *✓*Do. above Crown of Engine Room *160.88*Gross Tonnage *5530.39*Net Tonnage *232.33*Tonnage for Fees *160.88*Engine Room *5137.18*Navigation Spaces *2379.44*Register Tonnage *29.54*Cut on Beam *2989.08*Half Breadth (moulded) *24.89*Depth from upper part of Keel to top of Upper Deck Beams *28.7*Girth of Hull Midship Frame (as per Rule) *49.08*deduct 7 feet *-7.00*1st Number *95.67*Length on deck from after part of stem to fore part of stern post *423.03*2nd Number *40.471*Proportions—Breadth to Length *8.49*Depth to Length—Upper Deck to top of Keel *14.74*Main Deck ditto *19.8*Destined Voyage *America* If Surveyed while Building, Afloat, or in Dry Dock *All three*Length on Deck *423.0* Breadth *49.9 1/2* Depth, Actual—Top of Floors to top of Upper Dk. Beams *24 10 1/2* No. of Decks with flat laid *two*  
Do. do. do. Main Dk. Beams *17 6 1/2* No. of Tiers of Beams *two*  
Dimensions of Ship per Register, Length *425.0* breadth *50.0* depth *17.57 1/2* Moulded depth, ft. *27* ins. *8* To Upper Dk. Round of Upper Dk. Beam, Actual *12 1/2* ins.

## FRAMING.

	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
FRAME, Angles or L- or T- Bars for 1/2 length amidships	7	3 1/2	11	7	3 1/2
Do. for 1/2 at each end	"	"	10	"	10
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	9.8	3 1/2	9.8
" at intermed. Bkts.	"	"	"	"	"
Distance of Frames from moulding edge to moulding edge, all fore and aft	24	"	24	"	"
EVERSED FRAME, Angles	"	"	"	"	"
DEEP FRAMING, depth of girder	"	"	"	"	"
LOOKS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	"	"	"	"	"
" in way of Engines and Boilers	"	"	"	"	"
" thickness at the ends of vessel	"	"	"	"	"
" depth at 1/2 the half breadth, as per Rule	"	"	"	"	"
" height extended at the Bilges	"	"	"	"	"
LOOKS & BRACKETS in Cell Dble Bottoms	"	"	"	"	"
" Distance apart	24	"	24	"	"
ENTRE GIRDER, in Double bottom, depth and thickness	4 1/2	11.10	4 1/2	11.10	"
" Angles, Top	4	10.9	4	10.9	"
" Bottom	6 1/2	10.9	6 1/2	10.9	"
IDE GIRDERS, number on each side & thickness	Two	9	Two	9	"
" Angles	3 1/2	9.8	3 1/2	9.8	"
MARGIN PLATE, depth (exclusive of flange) and thickness	40	10.38	"	10	"
" Angles to Outside Plating	4	10	4	10	"
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	61	10.8	60	10.8	"
" in Engine and Boiler space	10	12	10	12	"
" Remainder in Holds	"	8	"	8	"
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	11	3 1/2	13	11	3 1/2
" Angles on upper edge	"	"	"	"	"
" Average space	48	"	48	"	"
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	11	3 1/2	15	11	3 1/2
" Angles on upper edge	"	"	"	"	"
" Average space	48	"	48	"	"
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	"	"	"	"	"
" Angles on upper edge	"	"	"	"	"
" Average space	"	"	"	"	"
BEAMS, Hold, or Orlop, Plate or Tee Bulb	"	"	"	"	"
" Angles on upper edge	"	"	"	"	"
" Average space	"	"	"	"	"
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	"	"	"	"	"
" Angles on upper edge	"	"	"	"	"
" Average space	"	"	"	"	"
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	"	"	"	"	"
" Angles on upper edge	"	"	"	"	"
" Average space	"	"	"	"	"
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	"	"	"	"	"
" Angles on upper edge	"	"	"	"	"
" Average space	"	"	"	"	"
PILLARS, In 'tween Deck, size and spacing	2 3/4 @ 48"	2 3/4 @ 48"	"	"	"
" Hold	4 1/4 @ 48"	4 1/4 @ 48"	"	"	"
" Quarter 'tween Dks.,	"	"	"	"	"
" in Hold	"	"	"	"	"
WEB-FRAMES, In Fore Body, No. and spacing	11 as per plan	11	"	"	"
" No. of Side Stringers	18	9.8	18	9.8	"
WEB-FRAMES, In B. Space, No. & spacing	Two 18 1/2" TWO 18 1/2"	"	"	"	"
WEB-FRAMES, In After Body, No. and spacing	7 as per plan	15	10.8	15	10.8
" No. of Side Stringers	18	9.8	18	9.8	"
" Size of Angles or Tee Bars to Web-Frames	6 1/2 4 1/2	12	6 1/2 4 1/2	12	"
BRACKET PLATES to Stringers between Web Frames, depth and thickness	15	8.7	15	8.7	"

## FORGINGS or CASTINGS.

	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
KEEL, Bar or Side Plates, depth and thickness	"	"	"	"	"
STEM, moulding and thickness	1 1/2 x 3 1/2	1 1/2 x 3 1/2	"	"	"
STERN-POST for Rudder do. do.	1 1/2 x 7 1/2	1 1/2 x 7 1/2	"	"	"
" for Propeller	10 1/2	10 1/2	"	"	"
MAIN PIECE of Rudder, diameter at head	8	8	"	"	"
" do. at heel	"	"	"	"	"
RUDDER, how constructed	Built, Single plate.	"	"	"	"
Can the Rudder be unshipped afloat?	yes.	"	"	"	"
KEELSONS & STRINGERS.	"	"	"	"	"
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	"	"	"	"	"
" Rider Plate	"	"	"	"	"
" Bulb Plate to Intercoastal Keelson	"	"	"	"	"
" Horizontal Plates on Floors	"	"	"	"	"
" Angles	"	"	"	"	"
SIDE KEELSON, Angles	"	"	"	"	"
" Bulb or Plate above floors, for lng.	"	"	"	"	"
" Intercoastal Plate, for length	"	"	"	"	"
" Attached to outside Plating with Angle	"	"	"	"	"
BILGE KEELSON, Angles	"	"	"	"	"
" Bulb or Plate above floors, for lng.	"	"	"	"	"
" Intercoastal Plate, for length	"	"	"	"	"
" Attached to outside Plating with Angle	"	"	"	"	"
BILGE STRINGER Angles	"	"	"	"	"
" Bulb Plate for length	"	"	"	"	"
" Intercoastal Plate, for length	"	"	"	"	"
" Attached to outside Plating with Angle	"	"	"	"	"
SIDE STRINGER Angles	"	"	"	"	"
" Bulb or Intercoastal Plate, for full lng.	"	"	"	"	"
" Attached to outside plating with Angle	"	"	"	"	"
Upper Deck Stringer Plates, br'dth & thickness	62	11	62	11	"
" Angle on ditto	4 x 4	9.8	4 x 4	9.8	"
" Tie Plates fore and aft, outside Hatchways	"	"	"	"	"
" Deck, * Iron or Steel, for full lng.	"	8.7	"	8.7	"
" Wood Deck, Material & thickness	5 x 3 Oregon pine	5 x 3	"	"	"
Middle Deck Stringer Plate, br'dth & thickness	62	11	62	11	"
" Angle on ditto, No.	4 x 4	9.8	4 x 4	9.8	"
" Tie Plates outside Hatchways	"	"	"	"	"
" Diagonal Tie Plates on Bms. No. of pro.	"	"	"	"	"
" Deck, * Iron or Steel, for full lng.	"	8.7	"	8.7	"
" Wood Deck, Material & thickness	"	"	"	"	"
Lower Deck Stringer Plate, br'dth & thickness	"	"	"	"	"
" Angle on ditto, No.	"	"	"	"	"
" Tie Plates, outside Hatchways	"	"	"	"	"
" Deck, * Material and thickness	"	"	"	"	"
Hold, or Orlop Stringer Plate, br'dth & th'kns	"	"	"	"	"
" Angle on ditto, No.	"	"	"	"	"
" Tie Plates outside Hatchways	"	"	"	"	"
" Deck, Material and thickness	"	"	"	"	"
Poop Deck Stringer Plate, breadth & thickness	46	15	46	15	"
" Angle on ditto	5 x 5	15	5 x 5	15	"
" Tie Plates	"	"	"	"	"
" Deck, Material and thickness	6 x 3 Pine	6 x 3	"	"	"
Bridge Deck Stringer Plate, br'dth & thickness	"	"	"	"	"
" Angle on ditto	"	"	"	"	"
" Tie Plates	"	"	"	"	"
" Deck, Material and thickness	"	"	"	"	"
Forecastle Deck Stringer Plate, br'dth & th'kns	"	"	"	"	"
" Angle on ditto	"	"	"	"	"
" Tie Plates	"	"	"	"	"
" Deck, Material and thickness	"	"	"	"	"

	Number.	Thickness.	STIFFENERS.	Single or Double Frames.	Height up.
BULKHEADS.	In Vessel.	Per Rule.	Horizontal.	Vertical.	
W. T. BULKHEADS	7	7	Flanged	11 x 3 1/2	30
PARTITION	3	6	"	5 x 3 1/2	30
LONGITUDINAL	1	6	"	7 x 3 1/2	24
Are the outside Plates doubled two spaces of Frames in length?	"	"	"	"	"
Are the Sluice Valves and Watertight Doors in efficient working order?	"	"	"	"	"

W633-0154 1/2



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.		STRAFS.		IF LAPPED.				
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.					Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what length.	
FLAT PLATE KEEL.....	46	20	14	14	46	20	14	Double	6	1	4	Treble	1	3	20	14	Double	14	
(If Bar Keel, state Riveting)																			
GARBOARD OR A STRAKE...	56	15	13	13	56	15	13	"	5 1/4	7/8	3 1/2	"	1	3 1/2	—	—	10 1/2	full	
State actual thickness in way of Double Bottom.																			
B "IN...	68	12	10	10	—	13	10	"	"	"	"	Quad.	7/8	3 1/2	—	—	12	"	
C "TANKS	68	12	10	10	—	13	10	"	"	"	"	"	"	"	—	—	"	"	
D "	65	13	10	10	—	13	10	"	"	"	"	"	"	"	—	—	"	"	
E "	48	13	10	10	—	13	10	"	"	"	"	Treble	"	3 1/8	—	—	9	"	
F "	53	13	10	10	—	13	10	"	"	"	"	Quad.	"	3 1/2	—	—	12	"	
G "	61	13	10	10	—	13	10	"	"	"	"	"	"	"	—	—	"	"	
H "	61	13	10	10	—	13	10	"	"	"	"	"	"	"	—	—	"	"	
MAIN DECK J "	61	13	10	10	—	13	10	"	"	"	"	"	"	"	—	—	"	"	
K "	48	13	10	10	—	13	10	"	6	1	4	Treble	"	3 1/8	—	—	9	"	
UPPER SHEER L "	48	20	11	11	48	20	11	"	6	1	4	Treble	1	3	—	—	10 1/2	"	
M "	51	14	8	8	—	14	8	"	6	1	4	Quad.	1	4	—	—	14	"	
MIDDLE DECK N "	66	16	9	9	60	16	9	"				Treble	1	3 1/2	19	12 1/2	Double	14	
O "																			
P "																			
Q "																			
R "																			
DOUBLING of Flat Plate Keel	Keel + doubling increased																		
Length and thickness of Bilges	✓																		
of Sheerstrakes	✓																		
of Strake below	✓																		
POOP SIDES	See Moller & H. piles																		
BRIDGE SIDES	See Moller & H. piles																		
FORECASTLE SIDES	See Moller & H. piles																		

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. *Consett, Palmers.*  
*South Durham, Dorman Long*  
*D. & J. Colville.*  
*Simms Martin process.*

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

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

FRAMES extend in one length from *Centre girder* to *1st tank side & from tank side to Moller & H.*  
REVERSED FRAMES on floors and frames extend from *Bull Angle framing.* Floors *flanged.*

#### 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.....											
Fore .....	Steel	57'-0"	25 x 8/10	23 x 8/10	21 1/2 x 7/10	17 1/2 x 7/10	2	✓	✓	Single	Double & Treble
Main .....	"	"	"	"	"	"	"	✓	✓	"	"
Mizen .....	"	"	"	"	"	"	"	✓	✓	"	"

Boomsprit

Topmasts, Yards and Remainder of Spars

Rigging, Material and Size, Shrouds

Sails.

*Wood.*  
*3 1/2 wire, Galvanized iron*  
*None*  
*Suit of*  
*Stays 2 1/2 and 2 wire, Gal. iron.*  
Sails, and the following spare sails

EQUIPMENT No. 53557 LETTER *A.T.* *See Table* 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.			
5418	1st Bower	68	1	14	—	—	—	52	18	3	0	68	0	0	Byers Patent	—	Std. 16 Aug. 04
5417	2nd "	68	0	0	—	—	—	52	12	2	0	68	0	0	"	—	Std. 16 Aug. 04
5412	3rd "	57	3	14	—	—	—	47	3	1	21	57	8	0	"	—	Std. 16 Aug. 04
	4th "																W. J. Kelly
	Collective weight	194	1	0								193	3	0			
26605	Stream	16	3	0	4	0	10	18	0	2	14	16	3	0	Ordinary	J. Green	Tipton 24 June 04
26604	Kedge	8	0	0	2	0	22	10	2	2	0	8	0	0	"	"	24 June 04
																	B. E. Perrins.

#### CHAIN CABLES.

#### HAWSERS AND WARPS.

HAWERS 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.											
27567	270	2 1/2	96 1/4	720	3	720	3	270-2 1/2	Steel Link	J. Green	Tipton, 8 July 04	TOWLINE	120	5 1/4	65	120-5 1/4
			134 3/4								G. E. Perrins	HAWSER 2 @	90	3	18	290-8"
Iron chain or Steel Wire ...	90	5"	59	—	—	90-5"	Steel Wire	Webster 162	By Makers	31/8/04	WARP	90	7"	Manila	2-90-7"	
												90	7 1/2	"	and other ropes.	
Boats	2	1 1/2	11	11	11	11	11	11	11	11	11	11	11	11	11	11

Boats

Pumps, Number

Windlass is by

Engine Room Skylights.—How constructed?

What arrangements for deadlights in bad weather?

Coal Bunker Openings.—How constructed?

Number of Scuppers, and numbers and dimensions of

Ceiling in Holds, thickness and material

Cargo Hatchways.—How formed?

State size No. 1 Hatch (Forward)

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch

Bulwarks, height above deck and description

The above is a correct description.

Builder's Signature (here only)

Diameter of Barrel

State whether they are in efficient working order

Capstan

Steel Coamings, Wood tops

Hinged lids.

How are lids secured?

W.T. done in side

Height above deck?

Pipe scuppers, 8 each side, 4"

Ceiling 'tween Decks, thickness and material

Spanning 2"

Hatches, If strong and efficient?

yes

No. 1. one beam

No. of Breasthooks

Four

No. of Crutches

Deep floors

Main Rail, material and size

Steel bulwark and side hips

7/20. Rail. 2 1/2 x 3

Surveyor's Signature

J. Allan

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

CHIEF DRAUGHTSMAN.

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

Compulsion

Lloyd's Register Foundation



WED. 30 NOV 1904

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case) 21 Oct. 1903, M.

M. 5, 6, 9, 14, 21, 28 and 30 Nov. 03, 1, 4 and 19 Dec. 03, 1, 6, 15, 20 and 29 Jan. 04, 13 Apr. 04, 11 May 04,

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

9, 10, 11, 14 and 15 Nov. 04 and E. 6 Jan. 04

Is the riveted work properly closed? yes

Are the liners between the frames and plates solid single pieces? joggled plating

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? one or two,

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 approved plans & generally in accordance with the Rules. The workmanship throughout is good. The plans & drawings in number are forwarded herewith. Also four casting certificates.

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 DKS. (M. U-WS) & web frames & Shelter DK (Stl. W.S.)

Official No. 120,477; Signal Letters

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

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

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	70	55	Fore peak tank,	—	—
Double bottom, under Engines and Boilers,	120	355	After peak tank,	26	69
Double bottom, if under Engines only,	—	—	Midship deep tank,	18	418
Double bottom, if under Boilers only,	—	—	Other tanks, if fitted,	—	—
Double bottom, forward,	162	239	(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. 4461

Date 27-10-03

No. 604 in builder's yard.

DATES of Surveys held while building

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

Total No. of Visits 88

The amount of Entry Fee.....£ 5:

Fees applied for,

29.11.04

Special Survey Fee ....£ 153: 8: 6

Received by me,

Travelling Expenses, if any £ :

1. 15.18

Certificate to be sent to

Sunderland.

State whether the Vessel has been built under Special Survey yes

I am of opinion this Vessel should be Classed +100 AL.

With, or without Freeboard, as condition of Class With freeboard.

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

Committee's Minute

FRI. 2 DEC 1904

Character assigned

100 AL (steel)

Shelter dk with fbd 5.3.0

Lloyd's arb. P.

+ L.M.B. 11.04

Wise Rd.

elec. light.



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W633-0154 2/2