

DISCLOSED
SECTION

STEEL STEAMER OR MOTORSHIP

State if Report has been sent on the Freeboard of the Vessel No. 3195

State if Report is sent on the Machinery of the Vessel

Date of completion of report 31st December 1929 Port of MontrealSurvey held at Montreal Date First Survey 2nd May 1929 Last Survey 13th Dec 1929

On the (State if Machinery fitted with Lift and if Single, Twin or Triple Screw) Twin screw Steamer "Sauriel" Machinery fitted and

State Type (Full scantling, Complete Superstructure) Full scantlings State Type of Erections Short Forecastle

TONNAGE (Gross Tonnage Dec.) 1091 CLASS 100 A. 1. State if with freeboard as condition of Class no Built at Montreal

Do. of space or spaces between Tonnage Deck and Upper Deck Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 203.52

Breadth (greatest moulded) B 42.0' Builders Canadian Vickers Ltd.

Depth at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 21.0' Owners Canadian Government

1st Longitudinal Number (L x D) = 4273.92 Managers The Dept. of Marine & Fisheries

2nd Numeral L x (B + D) = 12821.76 (Where necessary to be entered in Reg. Book.)

Framing Depth "d," at middle of length. See Sec. 3 (1d) 11.25' Residence Ottawa

Proportions—Depth to Length—Uppermost continuous deck to top of keel 9.70' Port of Registry Ottawa

Do. Long Bridge to top of keel Draught Moulded 14.0' If surveyed while building, afloat, or in dry dock While building

REGISTERED DIMENSIONS. FEET. Length 200.0 Breadth 42.4 Depth 19.2

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
MES, Spacing amidships	24		Bracket Floors, Frame	angle 6 x 3 x 3/8	
" " from 3/4 length to Collision bulkhead	18		" " Reversed Frame	angle 6 x 3 x 3/8	
" " in peaks	15		" " Vertical Struts	Stale 12" wide x 3/16 both ends of girder	
E FRAMING.			Centre Girder, depth and thickness amidships	33 x 1/2	
ame Amidships, Angle, [or [	8 4 13/32		" " top Angles	3 x 3 x 1/2	
" " Extends up to	upper deck		" " bottom Angles	4 x 4 x 5/8	
versed Frame Amidships, Angle	8 x 4 x 1/2		Side Girders, No. each side and thickness	One 7/16 in. S. plate	
" " Extends up to	between A & D stringers		Margin Plate depth (excl. of flange) and thickness	30 x 5/8	
pth of Framing Girder			" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3 x 3 x 7/16	
ames in Uppermost Continuous 'tween Decks, Angle, [or [			" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem		
" " Second 'tween Decks, Angle, [or [			" " Gussets, spacing and scantling abaft 1/4 len. from stem		
" " Third " " " "			" " Gussets, spacing and scantling forward 1/4 len. from stem	50 x 7/8 in. hold	
aming in Peaks, Angle or [	8 x 4 x 13/32		Tank Side Brackets, height above base line at toe of Frame and thickness	50 x 7/16 in. S. plate	
iameter and Spacing of Rivets through Frame and Shell Plating amidships	1" dia. 7" dia. away of the belt 7/8" 7" dia. of the belt		INNER BOTTOM PLATING.		
ate if Frame Joggled	Yes		Breadth and thickness of Middle Line Strake	59 1/2 x 1/2	
TING ARRANGEMENTS (Sec. 7), state system and particulars	For icebreaking purposes		Thickness of remainder in Holds	5/16	
ENGTHENING OF BOTTOM FORWARD. State Particulars	For icebreaking purposes		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	Yes	
LE BOTTOM.			BEAMS.		
ors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Walls, Angle, [or [	7 1/2 x 3 x 3/8 S. plate through hold	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [or [	6 x 3 x 3/8 S. plate	
Idle Line Keelson, on Floors, Angles, [or [			Spacing	24"-18"-15"	
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, [or [	6 x 3 x 3/8 S. plate	
" " Foundation Plate on Floors			Spacing	21"-18"	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [or [
Keelsons, No. each side			Spacing		
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, [or [
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, [or [
Solid Floors, thickness and spacing			Spacing		
" " Are Frame and Reversed Frame joggled?			Bridge Deck, Angle, [or [	8 x 3 x 3/8	
Bracket Floors, breadth and thickness at middle line	33 x 5/16		Spacing	30" apart	
" " breadth and thickness at margin plate	30 x 7/16		Forecastle Deck, Angle, [or [5 1/2 x 3 x 3/8 S. plate	
			Spacing	36 x 30	

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PILARS AND DECKS.

	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
Decks, Size and Spacing.....	6' x 3' x 3/8" single L			about 10' 6" apart		Thickness of Plating abreast Deck openings in way of Wells	11/32"	Forward 5/16" aft.	
" " " " " "						Thickness of Plating abreast Deck openings in way of Bridge	✓		
" " in Holds " " " "	6' x 3' x 3/8" single L			about 10' 6" apart		Thickness of Plating within line of openings...	✓		
" " " " " "						If Sheathed, material and thickness	Flonox 1 1/2"		
Centre Line Bulkhead.						Third Deck.			
Stiffeners and Spacing.....	✓	✓	✓			Stringer Plate, breadth and thickness.....	✓		
Plating, thickness of	✓	✓	✓			If Plated, state thickness.....	✓		
STRINGERS AND DECKS.						Fourth Deck.			
Uppermost Continuous Deck.						Stringer Plate, breadth and thickness.....	✓		
Stringer Plate, breadth and thickness in Wells	44 x 7/16 for 2 L			H		If Plated, state thickness	✓		
" " " " " " in way of Bridge						Poop Deck.			
" " Angle in Wells	5 x 5 x 7/16 throughout except in					Stringer Plate, breadth and thickness	✓		
Thickness of Plating abreast Deck openings in way of Wells	3/16 3 1/2 x 3 1/2 x 3/16 L					Plating, Sheathing, material and thickness ...	✓		
Thickness of Plating abreast Deck openings in way of Bridge	3/16 1/2 in way of Boiler Casings					Bridge Deck.			
Thickness of Plating within line of openings...	5/16 elsewhere					Stringer Plate, breadth and thickness.....	12 x 5/16		
If Sheathed, material and thickness	✓					Plating, Sheathing, material and thickness ...	1/4" Iron plates B.C. For 5' x 2 1/2"		
Second Deck.						Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...	B.C. For 5' x 2 1/4" outside of houses					Stringer Plate, breadth and thickness.....	36" x 1/8"		
	" " 5' x 2 1/2" inside of houses					Plating, Sheathing, material and thickness ...	11/32" Iron plates B.C. For 5' x 2 1/4"		
	42" 11/32" Forward								
	42" x 3/8" aft.								

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? <i>no.</i>	SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing or. to cr.		Diam.	Spacing or. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	45"	$\frac{3}{4}$ "	1"	$\frac{1}{2}$ "	<i>see plans</i>	Double	$\frac{7}{8}$	$3\frac{1}{2}$	4 ✓	$\frac{7}{8}$	$3\frac{1}{6}$	<i>Strapped</i>	
						Double	$\frac{1}{2}$	$4\frac{1}{2}$					
<i>mean to the ribs</i> BOTTOM PLATING, No. of Strakes	75 $\frac{1}{2}$ "	$\frac{9}{16}$ "	$1\frac{1}{8}$ "	1"	<i>None</i>	Double	$\frac{3}{8}$	$3\frac{1}{2}$	3	$\frac{3}{8}$	$3\frac{1}{8}$	<i>Lapped</i>	
						Double beam strake	$1\frac{1}{8}$	$4\frac{1}{2}$	4	$1\frac{1}{8}$	$3\frac{1}{16}$	<i>Strapped</i>	
						Double	1"	4	3	$1\frac{1}{8}$	$3\frac{1}{2}$	<i>Lapped</i>	
BILGE PLATING, No. of Strakes	69 $\frac{5}{16}$ "	$\frac{9}{16}$ "	$1\frac{1}{8}$ "	1"		Double	$\frac{3}{8}$	$3\frac{1}{2}$	3	$\frac{3}{8}$	$3\frac{1}{8}$	<i>Lapped</i>	
						Double beam strake	$1\frac{1}{8}$	$4\frac{1}{2}$	4	$1\frac{1}{8}$	$3\frac{1}{16}$	<i>Strapped</i>	
						Double	1"	4	3	1	$3\frac{1}{2}$	<i>Strapped</i>	
SIDE PLATING, No. of Strakes	57"	$\frac{7}{8}$ "	$1\frac{1}{8}$ "	1"		Double beam strake	1	4	4	1	$3\frac{1}{2}$	<i>Strapped</i>	
						Double	$1\frac{1}{8}$	$4\frac{1}{2}$	4	$1\frac{1}{8}$	$3\frac{1}{16}$	<i>Strapped</i>	
						Double	1	4	4	1	$3\frac{1}{2}$	<i>Strapped</i>	
UPPER DECK, Sheer-strake in Wells &c...	66"	$\frac{3}{4}$ "	1"	$\frac{3}{4}$ "		Double	$1\frac{1}{8}$	$4\frac{1}{2}$	4	1	$3\frac{1}{2}$	<i>Lapped</i>	
					Double	1	4	3	1	$3\frac{1}{2}$	<i>Lapped</i>		
UPPER DECK, Sheer-strake in Bridge ...	✓					Double	1	4	3	1	$3\frac{1}{2}$	<i>Lapped</i>	
STRAKE BELOW Sheer-strake in Wells.....	✓												
STRAKE BELOW Sheer-strake in Bridge ...	✓												
POOP SIDE PLATING	✓												
BRIDGE SIDE PLATING ...	✓												
FOREC'TLE SIDE PLATING			$\frac{11}{32}$			Double	$\frac{7}{8}$	$3\frac{1}{2}$	2	$\frac{3}{4}$	$2\frac{5}{8}$	<i>Lapped</i>	
						Double	$\frac{3}{4}$	3	2	$\frac{3}{4}$	$2\frac{5}{8}$	<i>Lapped</i>	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	6
Extending to Upper Deck (Sec. 3 c)	4
" Deck next below	4
As per Rule	4

STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	1/4 x 5/16	7 1/2 x 3 x 1/8	24		
" " Second " "					
" " Third " "					
" " Holds					
COLLISION " (in Hold)	7/16 x 3/8	8 x 3 x 1/8	24		
AFTER PEAK " "	7/16	7 1/2 x 3 x 1/8	18 x 24		

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar			Canadian	
STEM			Specialty designed Steel Foundry	
STERN FRAME { Propeller Post			Canadian	
{ Rudder "			Specialty designed Steel Foundry	
RUDDER—A x D 56 1/2 x 5 3/32	187.04			
Speed of Vessel	13 knots			
RUDDER mainpiece at head	Forged steel		Canadian	
" " heel	Cast steel		Special Steel Foundry	
" " how constructed				
" " double or single plate	single plate 1 1/4" thick			
" " coupling, vertical or horizontal	Horizontal			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

Baldwin's L. London & Colville & Co. Motherwell.

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

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Lloyd's Register Foundation

Equipment appd N.Y. (on recto) 118

EQUIPMENT No.										LETTER		ANCHOR	
Number of Certificate.	Anchors.	WEIGHT, EX-STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Make.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.			
62720	1st Bower	23	2	5	Stockless			23	10	0		Stockless	Samuel Seg.
62721	2nd "	23	2	17	"			23	11	3	14	Collective	
62722	3rd "	23	1	0	"			23	6	1	0	Weight	
	Collective weight	70	1	22								(73 tons)	
62687	Stream	6	0	0	1	2	0	8	5	0	0	6 1/2	see appd & recto

No. 3195
GS.

CHAIN CABLES.													HAWSERS AND								
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.			Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.				
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.	Length.					Cir.	Length.		Cir.				
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.				Fathoms.	Ins.	Tons.	Fathoms.	Ins.			
64953	210	1 1/2	40.10	58.14	246	0	5	242	0	0	210	1 1/2	Short Link	Samuel Jagers & Sons	Samuel Hill & Co. H. A. Dugdale.	TOWLINE	140	4	45 tons	90	3 1/2
76727	18 1/2	3/8	22.12		18	2	7				Short Link.	Strigley, Sons Dudley.	Resherton	HAWSERS & WARPS	90	6	Manilla	90	6		
															90	5	17 1/2 lbs. Manilla	90	5		
															2 1/2	Short wire with lead					
															1 1/2	10 lbs. wire					
															9	heavily lined 20 lbs each					
Stream (Chain of Steel Wire)	75	3 1/2							75	3 1/2											

Steering Gear, Steam *Horizontal combined hand and steam. Makers* Steering Gear, Hand *Donkin & Co.*
Boats *1 Motor boat 24'0" x 7'6" x 3'0"* Steering Chains, Size and Test *1 3/8 dia.*
1. Single 16'0" x 5'6" x 2'3" Rods *1 1/2 "* Windlass *Steam. Cylinder 8' dia. x 11" stroke*
Ceiling in Holds, thickness and material *2 1/2" White pine* Cargo Battens, thickness, material and spacing *Makers Clarke, Chapman & Co.*
Side of Holds *2" " " Sparring*
Cargo Hatchways. (Upper Deck) ☒ Thickness of Hatches ☒
Size of No. 1 Hatchway (Forward) ☒ No. 2 ☒ No. 3 ☒ No. 4 ☒ No. 5 ☒ No. 6 ☒
Number of Shifting Beams and/or Fore and Afters ☒



Canadian Vickers Ltd
Montreal, Canada.
per H. M. Cameron (Naval Architect)

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for carrying oil as cargo *no* (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as fuel *yes* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been built in accordance with the approved plans, Rules and letters. The workmanship is good. The peak tanks, double bottom tanks, oil fuel tanks, trimming tanks etc. have been tested to Rule requirements and proven sound and tight.

The amount of Entry Fee £ *25.00* Fees applied for, *13th Jan 1930*
Special Survey Fee.... £ *610.00* Received by me, *EL*
N.Y. Expd. *125.00*
Travelling Expenses, if any, £ *153.50* *20.7.19*
Montreal

I am of opinion the Vessel should be Classed ** 100 A.1.*
"For the Breaching purposes"

State whether the Vessel has been built under Special Survey *yes*
H.M. Certificate to be sent to *New York* Date of issue *4/2/30*

Signature *G. Allan*
Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. 31 JAN 1930*
Character assigned *+ 100 A.1*

Write RFL Icebreaker; Lloyd's accp. + dmb. 12.29. Fitted for oil fuel 12.29 J.P. above 150° F. C.L., 22, Elec. Lt.

Weeks, Size and Spacing..

Centre
Stiffen

Plating

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Strings

Thick
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Thick
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Thick

If Sheath

Second Stringer

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No. 6

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This image shows a blank, aged, cream-colored page, likely an endpaper or flyleaf of a book. The paper has a slightly textured appearance with some minor creases and discoloration, characteristic of old paper. There is no text or other markings on the page.

PE

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1.



Particulars of **Drop Test** of
Cast Steel Anchors, viz. :—
Weight, Surveyor's Initials,
Number of Certificate, Date
of Test.

1st Bower	62720.	23	cwt. 2	gr. 5	lbs.	H. A. D.	1 st Oct. 1929
2nd "	62721.	23	- 2	- 17	"	H. A. D.	1 st Oct. 1929
3rd "	62722.	23	- 1	" 0	"	H. A. D.	1 st Oct. 1929

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 39.6" ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks (this information is to be given as it should appear in the Register Book) ✓ 10th (Sh) 2nd Bⁿ (Sh) Clear of

Official No. 156503; Signal Letters _____ Is bottom of Vessel coated with cement Yes if not give particulars of composition _____

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft, <i>Fresh water (not ballast)</i>	12' 3"	17	Fore peak tank,	27' 0"	64
Double bottom, under Engines and Boilers,			After peak tank,	18' 6"	50
Double bottom, if under Engines only, <i>None Fitted</i>	27' 3"	53	Deep tank, aft, <i>Trimming Tank aft</i> DTA	22' 9"	68
Double bottom, if under Boilers only, <i>Take Ballast</i>	44' 0"	78	Deep tank, forward, " <i>for</i> DTX	19' 6"	142
Double bottom, forward, " "	33' 0"	44	Other tanks, if fitted,		
Total capacity of double bottom		192	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 91.

Date 23rd May 1929.

Dates of Surveys held while building

May. 1929: 2. 9. 16. 23. 31. June. 5. 14. 19. 21. 24. 27. July. 3. 10. 18. 23. 24. 29. 30. 31.
Aug. 1. 2. 9. 15. 16. 19. 22. 24. 27. 29. 31. Sept. 3. 6. 9. 11. 13. 16. 18. 24. 26. 27. Oct. 1. 4.
7. 8. 9. 12. 14. 15. 17. 19. 23. 25. 26. 28. 30. 31. Nov. 2. 6. 22. 25. 29. Dec. 3. 5. 6. 9.
10. 11. 12. 13.

Total No. of Visits.