

# With or Without Disconnected Erections.

## STEEL STEAMER.

FRI. 23 JAN. 1917

Received at London Office

Date of completion of report 16<sup>th</sup> December 1916 Port of Toronto Ont.  
Survey held at Collingwood Ontario Date, First Survey 7<sup>th</sup> Jan. 1916 Last Survey 18<sup>th</sup> November 1916On the (State if Single, Twin, or Triple Screw) Single Screw Steamer

TONNAGE under 1530.20

Tonnage Deck... 1530.20

Do. between Tonnage Dk. and 3rd and 4th Dk. 1530.20

Total under Upper Dk. 1530.20

Do. of Poop 1530.20

Do. of R. &amp; B. Trunk 214.91

Do. of Bridge House 92.14

Do. of Forecastle 92.14

Do. of Houses on Dk. 92.14

Do. of excess of Hatchways 92.14

Do. above Crown of Engine Room 20.45

Gross Tonnage 2060.03

Less Crew Space 107.43

Less above Crown of Engine Room 20.45

TONNAGE FOR FEES 303.75

Less Engine Room 100.17

Less Navigation Spaces 100.17

Register Tonnage 1548.88

as cut on Beam 1548.88

State if Report is also sent on the Machinery of the Vessel YesCLASS +100 A1

Breadth (greatest moulded) 43.0

Depth, at middle of length from top of keel to top of upper deck beams at side 18.0

Transverse Number 61.0

Length on deck from fore part of stem to after part of stern post 250.0

Longitudinal Number 15250

Depth "d," at middle of length (See Secs. 2 &amp; 13) 15.83

Proportions—Depths to Length—Upper Deck Beam at side to top of keel 13.8

" " Long Bridge Deck Beam at side to top of keel 13.8

Destined Voyage Sarnia

If Surveyed while Building, Afloat, or in Dry Dock

Master

Year of appointment

Built at Collingwood OntarioWhen built 1916Launched 27<sup>th</sup> Sept. 1916By whom built Collingwood Ship Bldg Co LtdOwners The Imperial Oil Co Ltd

Managers

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

Residence SarniaPort belonging to Sarnia

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
250	0	43	0	18	0	13	10	10	10	10

FRAMING.	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	PILLARS.	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
FRAME, Angles, or Bars amidships	6	3	31	6	3	31	PILLARS, in 'tween Deck, size and spacing	3 1/2	72	3 1/2	72
Do. in peaks	6	3	31	6	3	31	" " Hold, Quarter Ends	3 1/2	72	3 1/2	72
Do. in way of Double Bottoms at Solid Floors	3	3	37	3	3	37	" " Quarter 'tween Dks.	3 1/2	72	3 1/2	72
" " at intermdt. Bkts.	3	3	37	3	3	37	" " in Hold	3 1/2	72	3 1/2	72
Spacing of Frames from centre to centre amidships	24			24			KEELSONS & STRINGERS.				
" " length to Collision bulkhead	21			21			CENTRE LINE KEELSON, Vertical Plates above floors, Through Plate, or Intercoastal Plate	64	35	64	35
" " in peaks	24			24			" " Rider Plate	4	4	4	4
REVERSED FRAME, Angles	3 1/2	3	37	3 1/2	3	37	" " Flat Plate Keel Angles	12	42	12	42
Do. in way of Double Bottoms at Solid Floors	3	3	37	3	3	37	" " Horizontal Plates on Floors	8	3	8	3
" " at intermdt. Bkts.	3	3	37	3	3	37	" " Angles or Bulb Angles	2	2	2	2
FRAMING, depth of girder	6			6			SIDE KEELSONS, Number	2		2	
FLOORS, depth and thickness of Floor Plate at mid-line for length amidships	26	42	26	42	26	42	" " Angles or Bulb Angles	6	3 1/2	6	3 1/2
" " in way of Engine and Boiler Spaces	50	37	50	37	50	37	" " Plate above floors, for length	38		38	
" " thickness at the ends of vessel	35		35		35		" " Intercoastal Plate, for Full length	38		38	
" " depth at 1/2 the half breadth, as per Rule	21		21		21		" " Attached to outside Plating with Angle	3 1/2	3	3 1/2	3
" " height extended at the Bilges	52		52		52		BILGE KEELSON, Angles				
FLOORS in Cell. Double Bottoms	50	37	50	37	50	37	" " Intercoastal Plate for length				
" " state if flanged (top & bottom)	70		70		70		" " Attached to outside Plating with Angle				
" " Spacing of Solid floors	24		24		24		SIDE STRINGERS, Number	2		2	
CENTRE GIRDER, in Dbl. bottom, dpth. & thickness	50	37	50	37	50	37	" " Angle	5	3 1/2	5	3 1/2
" " Angles, Top	3	3	3	3	3	3	" " Intercoastal Plate, for Full length	16	36	16	36
" " Bottom	4	4	4	4	4	4	" " Attached to outside plating with Angle	3 1/2	3	3 1/2	3
" " to Floors	5	5	5	5	5	5	Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	47	54	47	54
Brackets at intermdt. frmg. with & thickness	2	32	2	32	2	32	" " br'dth & thickness (in way of Bridge)	5x5	5	5x5	5
SIDE GIRDERS, number on each side & thickness	2	32	2	32	2	32	" " Angle (clear of Bridge)				
" " state if flanged (top and bottom)	10		10		10		" " Tie Plate at sides of Hatchways				
" " Angles (top and bottom)	3	3	3	3	3	3	" " Deck * Iron or Steel, for Full lng.	no wood		no wood	
" " to Floors	3	3	3	3	3	3	" " Thickness (clear of Bridge)	32		32	
MARGIN PLATE, depth (exclusive of flange) and thickness	36	36	36	36	36	36	" " (in way of Bridge)				
" " Angle to Outside Plating	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	" " Wood Deck. Material & thickness	no wood		no wood	
" " Floors	3	3	3	3	3	3	Second Deck Stringer Plate, br'dth & thickness				
Brackets at intermdt. frmg. with & thickness	24		24		24		" " Angles on ditto, No.				
Height of Outside Brackets above at bilge	24		24		24		" " Tie Plates outside Hatchways				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	38	48	38	48	38	48	" " Deck * Iron or Steel, for lng.				
" " in Engine and Boiler space	74		74		74		" " Wood Deck. Material & thickness				
" " Remainder in Hold	74		74		74		Third Deck Stringer Plate, br'dth & thickness				
BEAMS, Upper Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel	6	3 1/2	35	6	3 1/2	35	" " Angles on ditto, No.				
" " In way of Long Bridge	24		24		24		" " Tie Plates, outside Hatchways				
" " Spacing	24		24		24		" " Deck * Material and thickness				
BEAMS, Second Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel	6	3 1/2	37	6	3 1/2	37	Fourth and Fifth Deck Stringer Plate, breadth & thickness				
" " Spacing	24		24		24		" " Angles on ditto, No.				
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	6	3 1/2	37	6	3 1/2	37	" " Tie Plates outside Hatchways				
" " Angles on upper edge	24		24		24		" " Deck. Material & thickness				
" " Spacing	24		24		24		Poop Deck Stringer Plate, breadth & thickness				
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	6	3 1/2	37	6	3 1/2	37	" " Angle on ditto	3x3x	31	3x3x	31
" " Angles on upper edge	24		24		24		" " Tie Plates	Steel	25	Steel	25
" " Spacing	24		24		24		" " Deck. Material and thickness				
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	6	3 1/2	37	6	3 1/2	37	Bridge Deck Stringer Plate, br'dth & thickness				
" " Angles on upper edge	24		24		24		" " Angle on ditto				
" " Spacing	24		24		24		" " Tie Plates				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	6	3 1/2	37	6	3 1/2	37	" " Deck. Material and thickness				
" " Angles on upper edge	24		24		24		Forecastle Deck Stringer Plate, br'dth & thickness				
" " Spacing	24		24		24		" " Angle on ditto	45	25	45	25

\* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

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WEB FRAMES.

WEB-FRAMES, In Fore Body, No. and spacing

" " " brdth. & thickness

" " " No. of Side Stringers " "

WEB-FRAMES, In E. & B. Space, No. & spacing

" " " brdth. & thickness

WEB-FRAMES, In After Body, No. and spacing

" " " brdth. & thickness

" " " No. of Side Stringers " "

" " " Size of Face Angles to Web-Frames.....

BRACKET PLATES to Stringers between

Web Frames, depth and thickness.....

Inches in Ship.

Inches in Ship.

Inches per Rule, Or as App. proved.

Inches per Rule, Or as Approved.

BULKHEADS.

Number.

Thickness.

STIFFENERS.

Single or Double Frames.

Height up, state deck.

Are the outside Plates doubled two spaces of Frames in length?

Are the Sluice Valves and Watertight Doors in efficient working order?

PLATING.

AS IN SHIP.

PER RULE OR AS APPROVED.

STRAKES.

AMIDSHIP.

FORWARD.

AFT.

AMIDSHIP.

FLAT PLATE KEEL.....

GARBOARD OR A STRAKE

State actual thickness in way of Double Bottom.

Write "Bridge Side Strake" and "Upper Deck Side Strake" opposite the corresponding letter.

THICKNESS OF SHEERSTRAKE CLEAR OF LONG BRIDGE DO. OF STRAKE BELOW

DECK OF Flat Plate Keel

" Sheerstrakes

Length and thickness.

POOP SIDES.....

SHORT BRIDGE SIDES...

FORECASTLE SIDES.....

FORGINGS or CASTINGS.

Inches in Ship.

Inches per Rule, Or as Approved.

KEEL, Bar, depth and thickness

STEM, moulding and thickness

STERN-POST for Rudder do. do.

" for Propeller

RUDDER-A x D" Table 22. Speed

" Main-Piece, diameter at head

" " " at heel

RUDDER, how constructed

Thickness of Plates or Single Plate

Can the Rudder be unshipped afloat?

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.?

Has the Steel been tested as required by the Rules?

RIVETING.

EDGES.

BUTTS.

Ordinary or Joggled?

Single or Double.

Breadth of Lap.

RIVETS.

Diam.

Spacing or to cr.

Doubled or Triple and for what Length.

RIVETS.

Diam.

Spacing or to cr.

STRAIPS.

Breadth.

Thickness.

IF LAPPED.

Breadth.

For what Length.

FRAMES extend in one length from

REVERSED FRAMES on floors and frames extend from

MASTS, SPARS, &c.

LOWER MASTS.....

Bowspit.

Topmasts, Yards and Remainder of Spars

Rigging, Material and Size, Shrouds

Sails.

No. of Plates in round.

ANGLES.

RIVETING.

Sails, and the following spare sails

EQUIPMENT No. 9				LETTER				ANCHORS.				TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS					
Number of Certificate.		Anchors.		WEIGHT, EX. STOCK		WEIGHT OF STOCK		TEST, PER CERTIFICATE		WEIGHT REQUIRED BY TABLE 31.		Description of Anchor.		Makers.		Where and when tested and Superintendent.	
3108		1st Bower		33 0 14				30 19 1 4		33 0 0		Cast Steel Stockless		Balt. Ship Co		Newcastle 20/7/16 J. B. B. B.	
3506		2nd "		32 0 6				30 2 2 0		30 2 3		do		do		Newcastle 9/11/16 do	
3078		3rd "		28 1 6				27 6 1 0		30 1 25		do		do		Newcastle 10/7/16 do	
		4th "															
		Collective weight		93 1 26						94 0 0							
3081		Stream		11 0 13				13 0 0 0		8 0 0		do		do		Newcastle 10/7/16 do	
3184		Kedge		5 2 4				7 16 1 0		4 0 0		do		do		Newcastle 14/8/16 do	
Particulars of Drop Test of Cast Steel Anchors, viz. :- Weight, Surveyor's Initials, Number of Certificate, Date of Test.																	
1st Bower 33-0-14 J.B. 3108 20/7/16 head 12 ft Shank 15 ft 2nd " 32-0-6 J.B. 3506 9/11/16 head 12 ft Shank 15 ft 3rd " 28-1-6 J.B. 3078 10/7/16 head 12 ft Shank 15 ft 4th " "																	
CHAIN CABLES.																	
HAWERS AND WARPS.																	
Number of Certificate. Length and size supplied. Test per Certificate. Weight of Chain Cable. Length and size per Table 31. 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 31.																	
112 Fathoms. Ins. 16 Tons. 344 2-22 240 1 1/2 Stud Standard Chain. Glasgow, Ohio 28/6/16 S. J. Brown																	
Iron (Stream) Chain or Steel Wire 75 Cir. 4 33 75 Cir. 4 Steel wire S. J. Brown size 1/2" 28/3/16 S. J. Brown																	
Boats 2-24'0" x 7'0" x 3'0" Protective Life Boats Steering Gear, Steam Hyde Steering Gear, Hand Hyde																	
Pumps, Number 2 Ramsey & Co double acting Diameter of Barrel 5 State whether they are in efficient working order Yes																	
Windlass is Emerson Walker 1 1/2" chain Capstan Hyde Deck winch																	
Engine Room Skylights.—How constructed? Steel What arrangements for deadlights in bad weather? very heavy glass bulbs exposed																	
Coal Bunker Openings.—How constructed? Bulk angle casing How are lids secured? Bottoms Height above deck? 9"																	
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c.																	
Ceiling in Holds, thickness and material in fore hold only 2 1/2" wood Cargo Battens, thickness and material none																	
Cargo Hatchways.—How formed? 3 1/2 x 3 1/2" angle casing oil tight covers Hatches, If strong and efficient? Yes																	
State size No. 1 Hatch (Forward) hold 7'0" x 7'0", 2nd Casing No. 2 Hatch 8'0" x 8'0" No. 3 Hatch 8'0" x 8'0" No. 4 Hatch 8'0" x 8'0"																	
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch in fore hold hatch only 8'0" x 8'0" bulk T.																	
No. of Breasthooks two No. of Crutches two																	
Bulkheads, height above deck and description for 12 ft bulk head 10 ft bulk head 48" plate Main Rail, material and size 5" galv. chain																	
The foregoing is a correct description. J. B. B. B. Surveyor's Signature J. B. B. B. Surveyor to Lloyd's Register of Shipping.																	
Builder's Signature (here only) J. B. B. B.																	
Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) 10/3/16, 9/10/16																	
Workmanship. Are the butts of plating planed or otherwise fitted? Yes																	
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? No																	
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. 26, par. 20)? Yes State results of tests Good																	
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests Good																	
General Remarks (State quality of workmanship, &c.)																	
Oil tight transverse bulkheads tested in accordance with Rules with head of lead of water 8 ft above top of expansion trunk. Centre line bulkhead tested with head of water 2 ft below top of expansion trunk. Incl Oil Bunker Bulkheads tested with head of water 12 ft above top of expansion trunk.																	
This vessel has been built in accordance with the Rules and approved plans																	
The quality of material and workmanship is good																	
Is 'Royalite' (Collingwood Shipbuilding Co. Yard No. 45) and 'Locolite' (Collingwood Shipbuilding Co. Yard No. 46) are sister ships.																	
The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built.																	
The amount of Entry Fee ..... £ 5: 0: 0 Fees applied for, 29/10/1916																	
Special Survey Fee.... £ 76: 10: 0 Received by me. 2/3/19																	
Travelling Expenses, if any £ 39: 15: 3																	
State whether the Vessel has been built under Special Survey Yes																	
I am of opinion this Vessel should be Classed +100 Ht Carrying Petroleum in Bulk Subject to Certificate and Rules being tested																	
With, or without Freeboard, as condition of Class in accordance with Rules																	
Committee's Minute																	
Character assigned 100A																	
Carrying petroleum in bulk subject to Certificate and Rules being tested																	
a G.C.P.																	
Lloyd's Register of Shipping																	
FRI. FEB. - 9. 1917																	
+ Lm. 6. 11. 16																	
L.P. above 150' F																	
Lloyd's Register of Shipping																	



GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 62.67 ft., R.Q.D. \_\_\_\_\_ ft., Bridge \_\_\_\_\_ ft., Forecastle 42.9 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated Poop is joined to Expansion Trunk which is continuous and joined to Forecastle at Fore End

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) 1 Steel Deck no wood

Official No. 134515; Signal Letters \_\_\_\_\_ State if Machinery is fitted aft Machinery aft  
How are the surfaces preserved from oxidation? Inside Embossed with Fire and Other Plates and in Outside Painted  
Double Bottom under machinery Fore hold painted

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	<u>14.5</u>	<u>210</u>
Double bottom, under Engines and Boilers,	<u>42</u>	<u>108</u>	After peak tank,	<u>14</u>	<u>51</u>
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total capacity of double bottom		<u>108</u>	(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. \_\_\_\_\_

Date 28 Feb 1916

No. 47 in builder's yard.

Dates of Surveys held while building

7/1/16, 10/2/16, 24/2/16, 9/3/16, 24/3/16, 18/4/16, 29/4/16, 5/5/16, 13/5/16, 9/6/16, 23/6/16, 26/7/16, 27/7/16, 2-3/8/16, 30/8/16, 31/8/16, 7-8/9/16, 14/9/16, 27/9/16, 3-4/10/16, 9-10/10/16, 14/10/16, 18-19/10/16, 25-26/10/16, 8-9/11/16, 10-11/11/16, 14-15-16-17-18/11/16

Total No. of Visits 39

Surveyor's Signature

J. P. J. Benson

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