

With ~~Without~~  
Disconnected Erections.

REC'D NEW YORK

STEEL STEAMER.

Received at London Office

THU. AUG. 12 1920

State of Report is also sent on the Machinery of the Vessel

Date of completion of report *July 19th 1920* Port of *Vancouver, B.C.* No. *813.*  
Survey held at *Vancouver, B.C.* Date, First Survey *July 25th 1919* Last Survey *May 14th 1920*

On the (State if Single, Twin, or Triple Screw) *Steel, Single Screw Steamer "Canadian Inventor" Rig Schooner*

TONNAGE under Tonnage Deck... *4899.08* CLASS *7th NORA 1* Master *A. B. Watson*

Do. between Tonnage Dk. and 1st and 2nd Dk. *151.84* Breadth (greatest moulded) *52.04* Year of appointment *May 1920*

Total under Upper Dk. *66.54* Depth, at middle of length from top of keel to top of upper deck beams at side *31.04* Built at *Vancouver, B.C.*

Do. of Poop *28.58* Transverse Number *83.08* When built *1920* Launched *Jan 24th 1920*

Do. of Bridge House *165.21* Length on deck from fore part of stem to after part of stern post *400.01* By whom built *J. Coughlan & Sons Ltd*

Do. of Forecastle *59.93* Longitudinal Number *33232-83* Owners *Canadian Government*

Do. of Houses on Dk. *126.01* Depth "d," at middle of length (See Secs. 2 & 13) *18.42* Managers *Department of Marine*

Do. of excess of Hatchways *54.94.25* Proportions—Depths to Length—Upper Deck Beam at side to top of keel *12.9* Residence *Ottawa, Canada*

Do. above Crown of *174.20* " " Long Bridge Deck Beam at side to top of keel *10.2* Port belonging to *Montreal*

Engine Room *56.10* Destined Voyage *Sydney, Australia* If Surveyed while Building, *Afloat on in Dry Dock, Building also in Dry Dock*

Gross Tonnage *5494.25* Length on Deck *400* Breadth Moulded *52.04* Depth, ACTUAL—Top of Floors to top of Upper Dk. Beams *28.62* No. of Decks with flat laid *2*

Less Crew Space *174.20* Do. do. do. do. Second Dk. Beams *19.6* No. of Tiers of Beams *2*

Less Navigation Spaces *21.68* Moulded depth, ft. *39* ins. *0* To Bridge Dk. Round of Upper Dk. Beam, Actual *13* ins.

Less Engine Room *174.20* Moulded depth, ft. *31* ins. *0 1/2* To Upper Dk.

Less Navigation Spaces *21.68* Dimensions of Ship per Register, Length *400.1* breadth *52.4* depth *28.8*

STER Tonnage *3353.75* FRAMING. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship.

Angles, or  $\square$  or  $\angle$  Bars amidships *9 1/2 3 1/2 26 1/2 9 1/2 3 1/2 26 1/2* PILLARS. In  $\square$  between Deck, size and spacing *15 1/2 x 6 x 50 15 1/2 x 6 x 50*

in peaks *15 6 3 1/2 38 1/2 6 3 1/2 38* " " Hold " " *Girders & pillars fitted at centre line & hatch corners as per approved plan*

in way of Double Bottoms at Solid Floors *4 3 1/2 40 1/2 4 3 1/2 40* " " Quarter 'tween Dks., " " " " in Hold " "

" " " at intermdt. Bkts. *9 3 1/2 21 1/2 9 3 1/2 21 1/2* KEELSONS & STRINGERS. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship.

" " " from  $\frac{1}{2}$  length to Collision bulkhead *26 26 26 26 26 26* CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate

" " " in peaks *24 24 24 24 24 24* " Rider Plate

ERSED FRAME, Angles *3 3 1/2 38 1/2 3 3 1/2 38* " Flat Plate Keel Angles

in way of Double Bottoms at Solid Floors *4 3 1/2 40 1/2 4 3 1/2 40* " Horizontal Plates on Floors

" " " at intermdt. Bkts. *8 3 18 1/2 8 3 18 1/2* " Angles or Bulb Angles

MING, depth of girder *9 1/2 4 6 9 1/2 4 6* SIDE KEELSONS, Number

ORS, depth and thickness of Floor Plate at mid-line for  $\frac{1}{2}$  length amidships *4 1/2 4 1/2 50 1/2 4 1/2 50 1/2* " Angles or Bulb Angles

in way of Engine and Boiler Spaces *6 6 66 6 6 66* " Plate above floors, for length

thickness at the ends of vessel *39 4 2 52 1/2 39 4 2 52 1/2* " Intercoastal Plate, for length

depth at  $\frac{1}{2}$  the half breadth, as per Rule *43 4 2 50 1/2 43 4 2 50 1/2* " Attached to outside Plating with Angle

height extended at the Bilges *6 6 66 6 6 66* BILGE KEELSON, Angles

DOORS in Cell. Double Bottoms *4 1/2 4 1/2 50 1/2 4 1/2 50 1/2* " Intercoastal Plate for length

state if flanged (top & bottom) *6 6 66 6 6 66* " Attached to outside Plating with Angle

Spacing of Solid floors *39 4 2 52 1/2 39 4 2 52 1/2* SIDE STRINGERS, Number

NTRE GIRDER, in Dbl. bottom, dpth. & thknss *4 1/2 4 1/2 50 1/2 4 1/2 50 1/2* " Angle

" Angles, Top *6 6 66 6 6 66* " Intercoastal Plate, for length

" Bottom *6 6 66 6 6 66* " Attached to outside plating with Angle

" to Floors *39 4 2 52 1/2 39 4 2 52 1/2* Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)

Brackets at intermdt. frmng., wdth & thknss *43 4 2 50 1/2 43 4 2 50 1/2* " " " " (br'dth & thickness)

DE GIRDERS, number on each side & thickness *43 4 2 50 1/2 43 4 2 50 1/2* " " " " (in way of Bridge)

state if flanged (top and bottom) *43 4 2 50 1/2 43 4 2 50 1/2* " " " Angle (clear of Bridge)

" Angles (top and bottom) *3 1/2 3 1/2 40 1/2 3 1/2 3 1/2 40* " " " Tie Plate at sides of Hatchways

" to Floors *3 1/2 3 1/2 40 1/2 3 1/2 3 1/2 40* " Deck \* Iron or Steel, for full lng. *4 1/2 4 1/2 50 1/2 4 1/2 50 1/2*

MARGIN PLATE, depth (exclusive of flange) and thickness *40 4 2 50 1/2 40 4 2 50 1/2* " " " Thickness (clear of Bridge)

" Angle to Outside Plating *3 1/2 3 1/2 40 1/2 3 1/2 3 1/2 40* " " " (in way of Bridge)

" Floors *6 6 66 6 6 66* " " " Wood Deck, Material & thickness

Brackets at intermdt. frmng., wdth & thknss *39 4 2 52 1/2 39 4 2 52 1/2* Second Deck Stringer Plate, br'dth & thickness

Height of Outside Brackets above at bilge *43 4 2 50 1/2 43 4 2 50 1/2* " Angles on ditto, No.

INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake *43 4 2 50 1/2 43 4 2 50 1/2* " Tie Plates outside Hatchways

" " " Remainder in Holds *42 4 2 50 1/2 42 4 2 50 1/2* " Deck \* Iron or Steel, for full lng.

BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel *9 3 1/2 23 1/2 9 3 1/2 23 1/2* " Wood Deck, Material & thickness

" In way of Long Bridge *9 3 1/2 23 1/2 9 3 1/2 23 1/2* Third Deck Stringer Plate, br'dth & thickness

" Spacing *26 26 26 26 26 26* " Angles on ditto, No.

BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel *10 3 1/2 28 1/2 10 3 1/2 28 1/2* " Tie Plates, outside Hatchways

" Spacing *26 26 26 26 26 26* " Deck \* Material and thickness

BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel *9 3 1/2 23 1/2 9 3 1/2 23 1/2* Fourth and Fifth Deck Stringer Plate, breadth & thickness

" Angles on upper edge *9 3 1/2 23 1/2 9 3 1/2 23 1/2* " Angles on ditto, No.

" Spacing *26 26 26 26 26 26* " Tie Plates outside Hatchways

BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel *9 3 1/2 23 1/2 9 3 1/2 23 1/2* " Deck, Material & thickness

" Angles on upper edge *9 3 1/2 23 1/2 9 3 1/2 23 1/2* Poop Deck Stringer Plate, breadth & thickness

" Spacing *26 26 26 26 26 26* " Angle on ditto *3 1/2 3 1/2 40 1/2 3 1/2 3 1/2 40*

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel *9 3 1/2 23 1/2 9 3 1/2 23 1/2* " Tie Plates

" Angles on upper edge *9 3 1/2 23 1/2 9 3 1/2 23 1/2* " Deck, Material and thickness *Steel 25 x wood sheathed 5 x 2 1/2 13.6*

" Spacing *26 26 26 26 26 26* Bridge Deck Stringer Plate, br'dth & thickness *55 55 55 55*

" Angles on ditto *6 x 6 x 50 6 x 6 x 50*

" Tie Plates *Steel 40 x 4 1/2 of openings*

" Deck, Material and thickness *35 30 35 30*

Forecastle Deck Stringer Plate, br'dth & th'kns *3 1/2 3 1/2 40 1/2 3 1/2 3 1/2 40*

" Angle on ditto *3 1/2 3 1/2 40 1/2 3 1/2 3 1/2 40*

" Tie Plates *Steel 25 Steel 25*

" Deck, Material and thickness

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

Lloyd's Register Foundation

W1317-0072



[illegible]



THU. AUG. 12 1920

EQUIPMENT No. 34550			LETTER 34			ANCHORS.			TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	
13603	1st Bower	62	1	0	Stockless			49	6	0	10-12-19
13601	2nd "	61	1	0	"			49	0	0	10-12-19
13605	3rd "	51	1	0	"			43	1	0	10-12-19
	Collective weight.	174	3	0				141	7	0	See to penne
13545	Stream	16	3	0	21	18	0	20	1	0	7-11-19
13545	Kedge	7	1	0	3	14	9	5	0	0	7-11-19

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

1st Bower 44.1.0-3955-21.11.19-4. to. p  
2nd " 44.1.14-3966-28.11.19-3. to. p  
3rd " 33.3.0-3931-28.10.19-3. to. p

CHAIN CABLES.										HAWSERS 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 Towline.	Length and Size per Table 31.				
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Fathoms.	Ins.		Fathoms.	Ins.	Tons.	Fathoms.	Ins.
21965	210	2 3/8	86 1/2	120 1/2	518	0.0	645 3/4	270	2 3/8	Stockless	Brown, Lemmon Cardiff 19.11.19	TOWLINE	120	4 1/2	65 1/2	120	4 1/2			
Stream Cable Steel Wire	90	4 3/4	✓	44	✓	✓	✓	90	4 3/4	Galv Dominion	Montreal 3.1.20	HAWSERS & WARPS	2Q90	5	2Q90	5				
													2Q90	4		2Q90	4			
												Telemotor Controlled								

Boats 2-25'0" Lifeboats & 2-18'0" Dinghies  
Pumps, Number One Downton & One Hand Pump  
Windlass is Efficient - Clark Chapman & Co. Ltd.  
Engine Room Skylights. - How constructed? Steel plates & angles  
Coal Bunker Openings. - How constructed? Steel plates & angles  
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 8 Scuppers & 8 freeing ports 48" x 15" each side  
Ceiling in Holds, thickness and material 2 1/2" x 18" over bilges only  
Cargo Hatchways. - How formed? Steel plates & angles  
State size No. 1 Hatch (Forward) 32'6" x 26'0" x 30" No. 2 Hatch 34'8" x 26'0" x 30" No. 3 Hatch 10'10" x 18'0" x 30" No. 4 Hatch 34'8" x 26'0" x 30" No. 5 Hatch 30'4" x 26'0" x 30"  
Number of Deck Plates, Shifting Beams and Fore and Afters to each Hatch 6 to No. 1-2-4-5 to No. 3-4-5-3 F & R to No. 3  
Shifting Beams plates 24" x 16'5" x 4" x 3" x 50 Angles D 2" top & bottom No. of Breasthooks 4  
Bulwarks, height above deck and description 3'8" x 25" plate stay 3 1/4" flanged Main Rail, material and size 7 1/2" x 3" x 17.1 lbs Culk Angles  
The foregoing is a correct description.  
Builder's Signature (here only) *John Whitehead* Surveyor's Signature *John Whitehead*  
GENERAL MANAGER *John Whitehead* Surveyor to Lloyd's Register of Shipping.

Correspondence. - State dates and initials of letters respecting this case. Reference should be made in any correspondence connected with the case. No 3-1-19-No 8-4-19  
No 30-4-19-No 10-5-19-No 14-5-19-No 10-6-19-No 9-7-19-No 10-7-19-No 2-1-20

Workmanship. Are the butts of plating planed or otherwise fitted? planed  
Is the riveted work properly closed? yes  
Are the liners between the frames and plates solid single pieces? yes  
to plate, &c., conform well to each other? yes  
from the faying surfaces? yes  
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  
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? yes  
General Remarks (State quality of workmanship, &c.) workmanship good

This vessel has been built in accordance with the approved plans copies of which are in the London Office, the Secretary's letters of the above date, and in general conformity to the rules for the class contemplated

2 Forging & Casting Certificates are herewith forwarded also Midship Section & profile plans for filing with the report. The length of Chain Cable supplied to this vessel is in accordance with Circular No 1304 dated Dec 13<sup>th</sup> 1917

This is a sister ship to the S.S. "Canadian Exporter" see Vancouver Report No 489

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 ..... \$ 25.00 :  
Special Survey Fee ..... \$ 813.00 :  
Red Shipping Expenses, if any \$ 4.00 :  
Fees applied for, July 24 1920  
Received by me, 25/8420 9/10/20  
Certificate to be sent to Vancouver, B.C. Date of issue 18.8.20  
17896  
State whether the Vessel has been built under Special Survey yes  
I am of opinion this Vessel should be Classed H 100 R 1  
With, or without Freeboard, as condition of Class without

Committee's Minute TUE. AUG. 17 1920 FRI. 17 JUN. 1921 TUE. 29 MAY. 1923  
Character assigned 100 R 1 Subject WED. 23 APR 1924 TUES. 3 JUN 1924  
FRI. SEP. 28 1923  
FRI. JUL. 6 1923  
FRI. SEP. 21 1923  
TUE. FEB 27 1923  
TUES. 3 JUN 1924  
FRI 20 JUN 1924  
TUE JUL 12 1921  
FRI. 10 MAR. 1923  
TUE. 13 SEP. 1921  
W 1317-0072



## GENERAL REMARKS—(continued).

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop 49.25 ft., 115.03 ft., Bridge 115.03 ft., Forecastle 39.0 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

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 should appear in the Register Book) 2 Dks (Stt)  
 Official No. 141405; Signal Letters TPQF State if Machinery is fitted aft installed amidships  
 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 System

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>114.10</u>	<u>306</u>	Fore peak tank,	<u>19.6</u>	<u>149</u>
Double bottom, under Engines and Boilers,	<u>39.0</u>	<u>162</u>	After peak tank,	<u>21.0</u>	<u>131</u>
<del>Double bottom, if under Engines only,</del>	<u>✓</u>	<u>✓</u>	Deep tank, aft,	<u>✓</u>	<u>✓</u>
<del>Double bottom, if under Boilers only,</del>	<u>✓</u>	<u>✓</u>	Deep tank, forward,	<u>✓</u>	<u>✓</u>
Double bottom, forward,	<u>149.10</u>	<u>558</u>	Other tanks, if fitted,	<u>✓</u>	<u>✓</u>
Total Length <u>333.8</u> =		Total capacity of double bottom <u>1026</u>	(If necessary, furnish the 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 <u>yes</u>		

Order for Special Survey No. 16Date June 27<sup>th</sup> 1919No. 13 in builder's yard.

DATES of Surveys held while building

1919 July 25 Aug 1.6.7.9.12.15.19.22.25 Sept. 3.5.8.12.15.18.22.24.30 Oct. 13.16.23.24.31 Nov. 4.7.12.18.21.25 Dec. 2.5.8.10.15.17.19.23.29.31  
1920 Jan. 2.4.9.12.19.21.26.31 Feb. 6.8.13.14.19.23.24 Mar. 2.5.16.1 April 5.9.14.23 May 4 June 5<sup>th</sup> 8<sup>th</sup> 18<sup>th</sup> July 14<sup>th</sup>

Total No. of Visits 14

Surveyor's Signature

John Whitehead  
 Lloyd's Register  
 Foundation