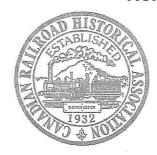
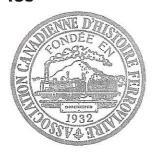
Canadian Rail

THE MAGAZINE OF CANADA'S RAILWAY HISTORY

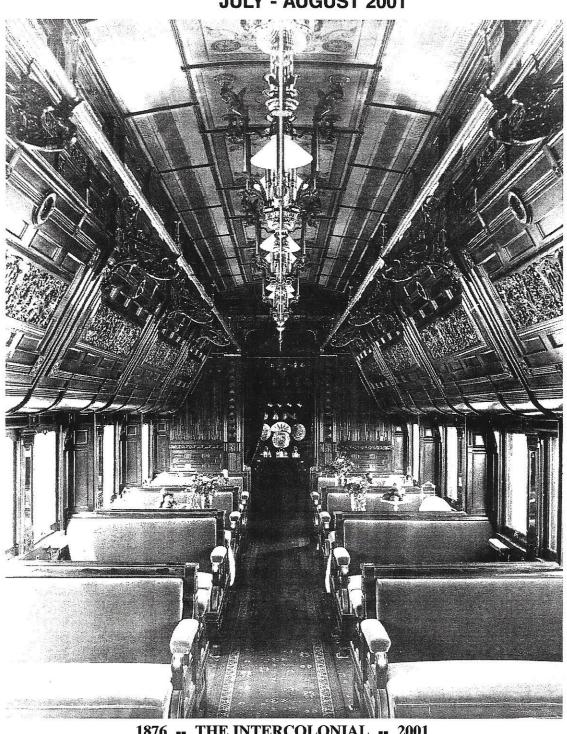
SANDFORD FLEMING at the ICR

No. 483





JULY - AUGUST 2001



1876 -- THE INTERCOLONIAL -- 2001

PUBLISHED BI-MONTHLY BY THE CANADIAN RAILROAD HISTORICAL ASSOCIATION PUBLIE TOUS LES DEUX MOIS PAR L'ASSOCIATION CANADIENNE D'HISTOIRE FERROVIAIRE



CANADIAN RAIL

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PUBLISHED BI-MONTHLY BY THE CANADIAN RAILROAD HISTORICAL ASSOCIATION

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FRONT COVER: When the Intercolonial Railway of Canada opened its through line from central Canada to Halifax, Nova Scotia in 1876, the passengers had a choice of several different types of accommodation. Most sumptuous and elaborate was the first class sleeping car exemplified by sleeper "Restigouche", of which this is an interior view. Notice the elaborately carved woodwork, the fancy oil lamps, the plush seats, the decorated ceiling and the beautiful carpet; all typical of the later Victorian era. At the end of the car is a small but adequate buffet, and each section has its own table on which food could be served. The "Restigouche" was like a hotel on wheels during the trip of more than 24 hours to Halifax. Additional photos of this car appear on page 123. Photo courtesy of the New Brunswick Museum.

BELOW: An Intercolonial Railway 0-4-0 switcher of about 1876 vintage poses at an unknown location not long after the line was opened for its entire length. A photo of a similar locomotive appears at the bottom of page 122. Photo given by John Loye to Donald F. Angus.

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Canadian Rail is continually in need of news, stories,, historical data, photos, maps and other material. Please send all contributions to the editor: Fred F. Angus, 3021 Trafalgar Avenue, Montreal, P.Q. H3Y 1H3, e-mail angus82@aei.ca. No payment can be made for contributions, but the contributer will be given credit for material submitted. Material will be returned to the contributer if requested. Remember "Knowledge is of little value unless it is shared with others".

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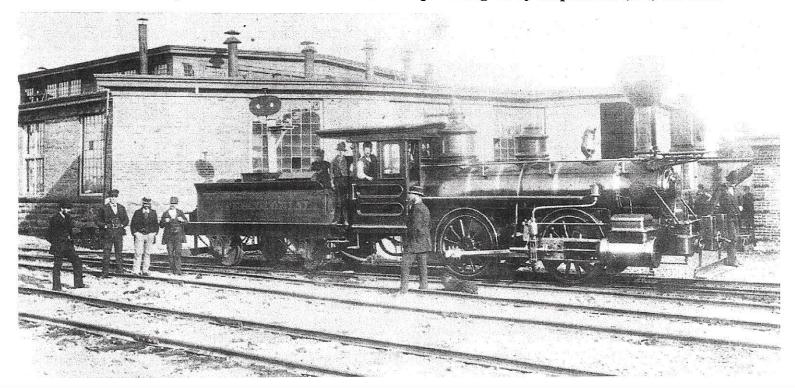
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The Intercolonial - 1876

July 1 2001 marks the 125th anniversary of the completion of the Intercolonial Railway between the Maritime provinces and the rest of Canada. This project, which had been planned as far back as 1832, and which had been promised in the British North America Act of 1867, was fulfilled at last. Curiously, this anniversary is almost forgotten today. Countless articles, and numerous books,

deal with the construction of the Canadian Pacific Railway, and most railway enthusiasts in Canada can tell you that the last spike on the CPR was driven at Craigellachie B.C. on November 7, 1885. But how many know that the Intercolonial was completed on July 1, 1876, and how many can say where the last spike on the ICR was driven? Yet the completion of the ICR was of importance second only to the CPR (if indeed it was second) and its construction was mandated by no less an authority than the B.N.A. Act which created the Dominion of Canada.

The first proposal for a railway to connect the colonies in the east with Lower Canada was made in the early 1830s, before railways even existed in Canada. The plan was to build a railway from St. Andrews New Brunswick to Quebec City. Plans were drawn and surveys made, but then the Ashburton treaty of 1842 gave much of the intervening territory to the state of Maine and ended the project for the time being. By 1849 the scheme was revived, and plans were made for a longer line from Halifax via Moncton (then called The Bend), to the St. Lawrence valley and thence to Quebec City, entirely on British territory. Despite the constant shortage of money, some work was done. In Canada the Grand Trunk was built, and an extension to Riviere du Loup was completed in 1860. Also in 1860 Saint John New Brunswick was connected by rail to Moncton, and several lines were operating in Nova Scotia. In 1865 Sandford Fleming prepared a detailed report of several possible routes for the ICR. However there was no through route by the time of Confederation in 1867. The importance of this connection was not lost on the Fathers of Confederation, for section 145 of the BNA Act declared that it was the duty of the new federal government to begin construction within six months of Confederation and to continue "without Intermission, and the Completion thereof with all practicable Speed".

Work then went ahead as contracts were let and construction proceeded. However progress was slow and several contracts overran their deadlines while some were taken over by the Department of Public Works. In 1873 Saint John and Moncton were connected to Halifax, and in 1874 the entire project was transferred to the Department of Public Works. Soon thereafter the track gauge was changed from 5

feet 6 inches to stand-

ard, so the remaining

portions were built as

standard gauge from

the start. The last two

years of construction

were the worst of all as

engineers and workers

braved the rugged

terrain of northern New

Brunswick and Que-

bec. Such structures as

the bridges across the

Restigouche and the

Miramichi were major

construction projects in themselves, but so

well were they built

that they are still in use

today, with newer and

heavier superstruct-

ures. One by one the

contracts were comp-

INTERCOLONIAL RAILWAY.

145. Inasmuch as the Provinces of Canada, Nova Scotia, and New Brunswick have joined in a Declaration that the Construction of the Intercolonial Railway is essential to the Consolidation of the Union of British North America, and to the Assent thereto of Nova Scotia and New Brunswick, and have consequently agreed that Provision should be made for its immediate Construction by the Government of Canada: Therefore, in order to give effect to that Agreement, it shall be the Duty of the Government and Parliament of Canada to provide for the Commencement within Six Months after the Union, of a Railway connecting the River St. Lawrence with City of Halifax in Nova Scotia, and for the Construction thereof without Intermission, and the Completion thereof with all practicable Speed.

Section 145 of the British North America Act as printed in 1867. This act was entitled "An Act for the Union of Canada, Nova Scotia, and New Brunswick, and the Government thereof". It was passed by the British Parliament on March 29 1867 and went into effect on July 1, thereby creating the Dominion of Canada. The importance of the Intercolonial Railway is emphasized by the fact that section 145 required the new Dominion to complete the line as fast as possible. Note that the word "Speed" is capitalized. How many people know about section 145 today?

as possible. Note that the word leted and by early le know about section 145 today? 1876 the only major gap was in the Matapedia Valley of Quebec. Soon this gap too was closed, evidently with little or no ceremony, and on July 1 1876, exactly nine years after Confederation, the Intercolonial was opened for its entire length.

To commemorate this significant but unheralded anniversary we are devoting an entire issue of Canadian Rail to the Intercolonial of 1876, and to Sandford Fleming, its Engineer-In-Chief. We will reproduce illustrations of some of the major bridges and other structures on the ICR as well as a selection of documents, advertisements and other material of the era. Many of these illustrations are from Fleming's 1876 history of the Intercolonial. After a century and a quarter this is still the best account of the construction. Jay Underwood's article on Fleming is very well researched and casts a new light on one of the major participants in the Intercolonial saga. In addition we will also reproduce a series of very rare photos, some previously unpublished, of locomotives and passenger cars with which the ICR began service. These photos were taken in 1876, about the time of the opening of the line, and were likely ordered by the railway itself. They were kindly supplied by the New Brunswick Museum and they show in considerable detail the choices of passenger accommodation available to the traveller to the Maritimes a century and a quarter ago.



ANNO TRICESIMO ET TRICESIMO-PRIMO

VICTORIÆ REGINÆ.

CAP. XVI.

An Act for authorizing a Guarantee of Interest on a Loan to be raised by Canada towards the Construction of a Railway connecting Quebec and Halifax.

[12th April, 1867.]

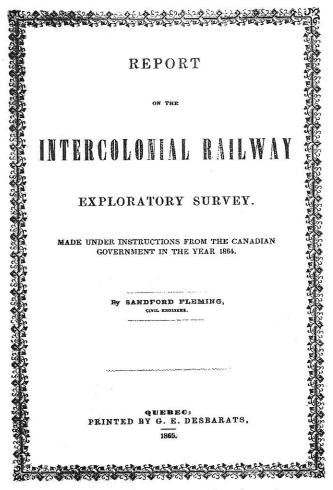
WHEREAS the construction of a Railway connecting the Port of Rivière du Loup, in the Province of Quebec, with the line of railway leading from the city of Halifax, in the Province of Nova Scotia, at or near the town of Truro, in a line, and on conditions approved by one of Her Majesty's Principal Secretaries of State, would conduce to the welfare of Canada and promote the interest of the British Empire:

And whereas it would greatly facilitate the construction of that railway (in this Act referred to as the railway) if payment of interest on part of the money required to be raised for the same were guaranteed under the authority of Parliament:

Be it therefore enacted by the Queen's most Excellent Majesty, by and with the advice and consent of the Lords Spiritual and Temporal, and Commons, in this present Parliament Assembled, and by the authority of the same as follows:

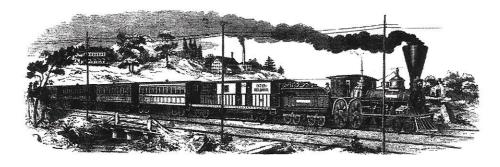
1. Subject to the provisions of this Act, the Commissioners of Her Majesty's Treasury may guarantee, in such manner and form as they think fit, payment of interest at a rate not exceeding four per centum per annum on any principal money not exceeding the sum of three million pounds sterling, to be raised by way of loan by the Government of Canada for the purpose of the construction of the railway; and the Commissioners of Her Majesty's Treasury may from time to time cause to be issued out of the consolidated fund of the United Kingdom, or the growing produce thereof, any money required for giving effect to such guarantee.

The first act relating to Canada passed by the British Parliament after the B.N.A. Act was this one guaranteeing interest on a loan for the construction of the Intercolonial.



Much work had been done on surveying alternative routes for the Intercolonial. These were summed up in this report published in 1865 by Sandford Fleming.

THE DOMINION GUIDE.



THE INTERCOLONIAL RAILWAY.

This important undertaking is progressing as rapidly as possible and already connects the Eastern Provinces with the leading American lines.

By 1873 work was progressing well as seen in this news item in the "Dominion Guide". Connection between the railways of New Brunswick and those of Maine had been established at Vanceboro in 1871, affording an all-rail route to central Canada via Portland. However the Intercolonial would be entirely through Canada, and would be just as short.

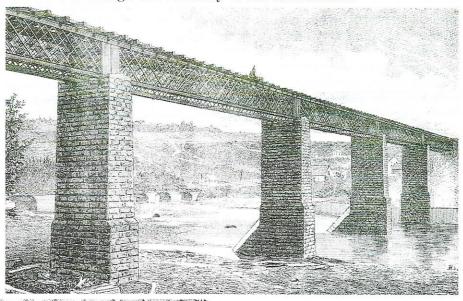
Some of the Prominent Structures on the I.C.R. Line

Illustrations from Sandford Fleming's 1876 History of the Intercolonial

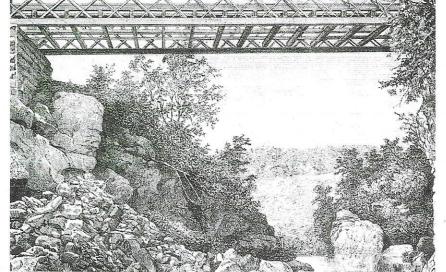
Sandford Fleming was very much concerned with the bridges on the ICR. He was adamant in his insistance that they be of iron rather than wood. This caused considerable delay to the project while the iron-vs.-wood arguements were heard. Eventually he got his way, and all but three bridges were iron.

Fleming was not as particular about other structures such as cuttings, and even stations. As late as the 1950s some of Fleming's cuttings were causing difficulty with snow plowing, as they were too narrow.

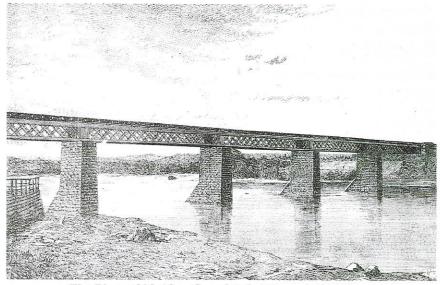
As would be expected, many of the illustrations in his book were of bridges.



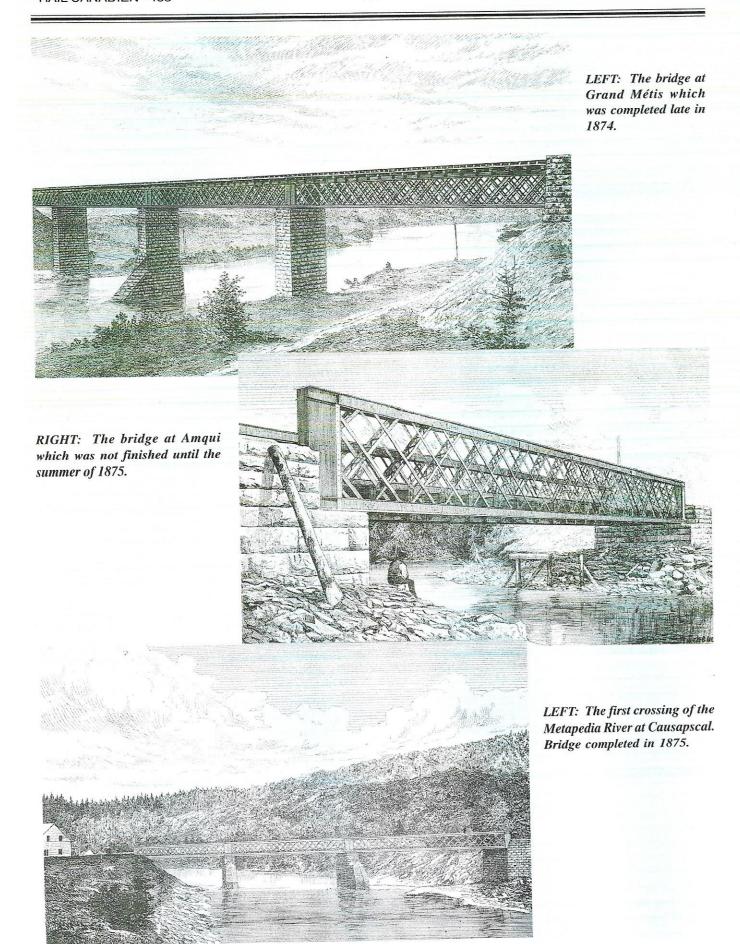
The bridge at Trois Pistoles. It was completed in 1873.



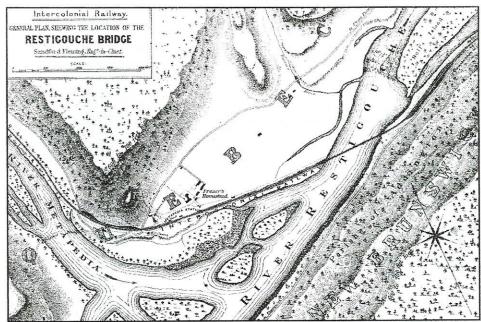
Bridge at Bic. Completed in the autumn of 1872.

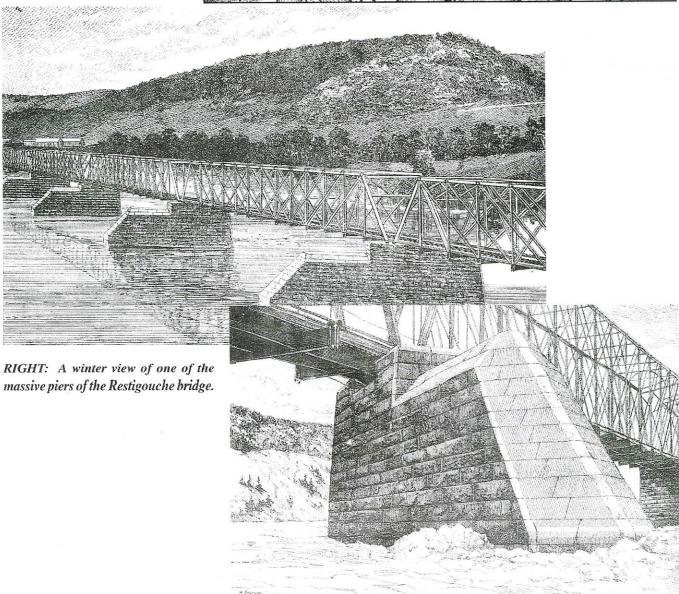


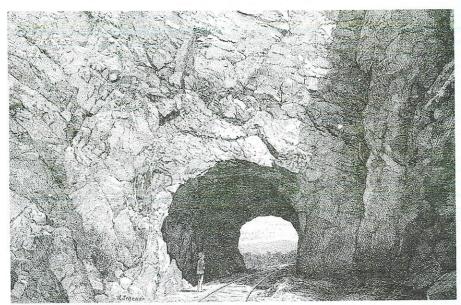
The Rimouski bridge. Completed at the end of 1872.



RIGHT AND BELOW: The long bridge across the Restigouche, leading from Quebec to New Brunswick. Note the extra-wide piers (still in use today) to break up the ice. Work began on this structure in the summer of 1870 and it was completed by Christmas 1875. In later days a road bridge was built on the upstream side of the piers, but this has now gone.

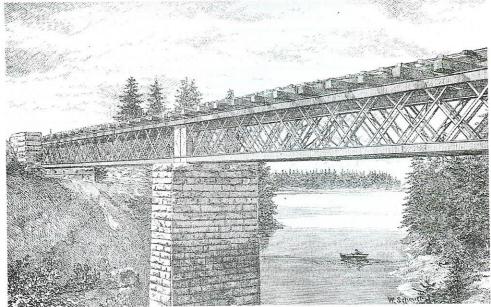


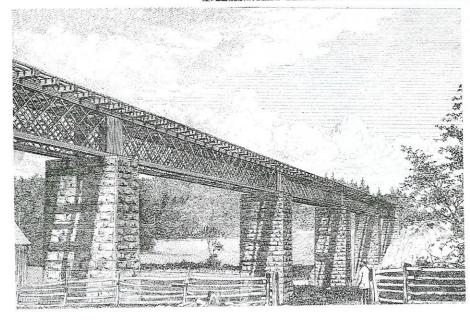




LEFT: The Morrisey tunnel, one of the few on the line. After numerous delays, it was completed in 1874.

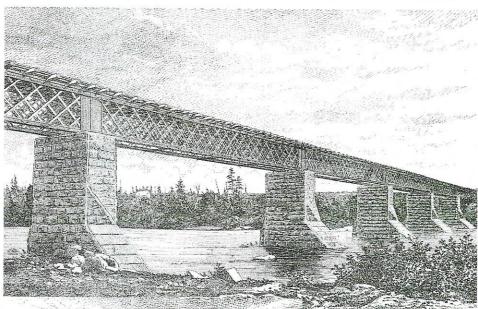
RIGHT: The New Mills bridge, one of nine on Division "L". It was completed in 1874.





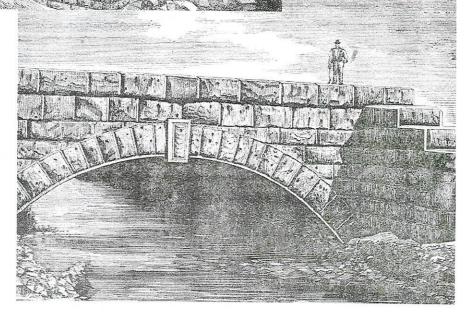
LEFT: The Bridge at Tete-A-Gauche, near Bathurst, completed in 1874.

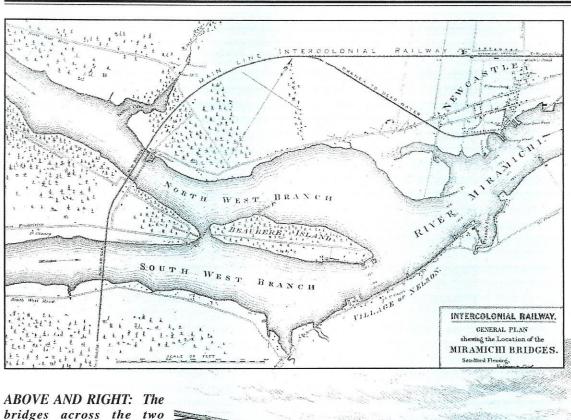
RIGHT: The Nipissiguit bridge, built between 1870 and 1874.



LEFT: A view of the Red Pine Brook bridge under construction. It was finally completed on December 10, 1874.

RIGHT: The cut stone culvert over the Kouchibouguac river in 1874, before the railway embankment was built on top of it.

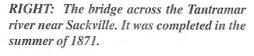


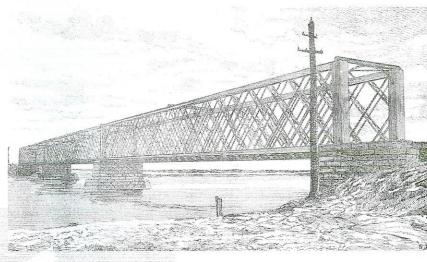


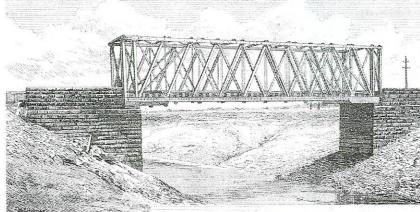
ABOVE AND RIGHT: The bridges across the two branches of the Miramichi river were the most impressive on the entire line. A lengthy article, or even a book, could be written on the vicissitudes of the construction of these two bridges which were comenced in 1870 and opened in an impressive ceremony held on August 26, 1875.



LEFT: A construction view of the North-West bridge across the Miramichi.



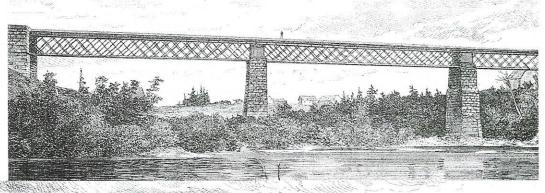


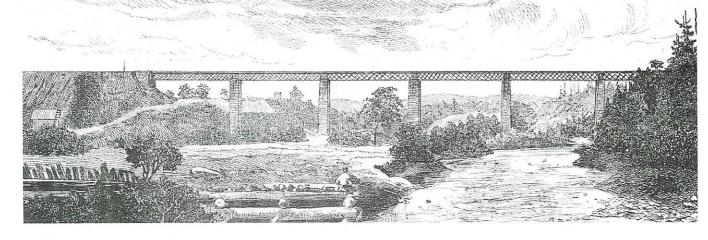


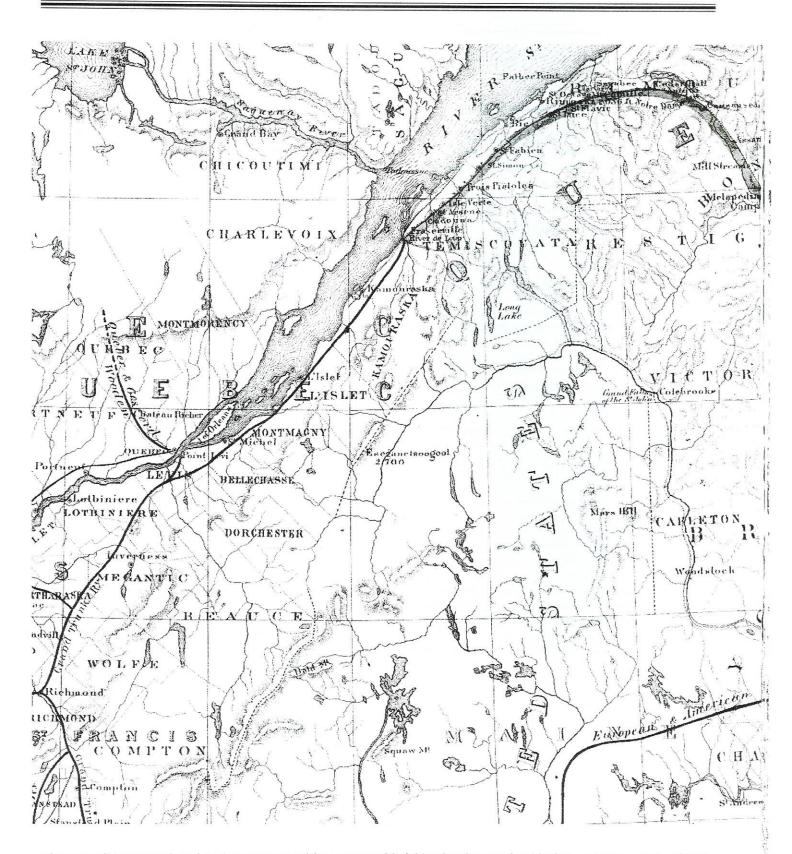
LEFT: One of only three wooden bridges on the line was this one, completed in 1871, which spanned the Missiquash river. This river forms the boundary between New Brunswick and Nova Scotia, so this bridge was in both provinces.

BELOW: This bridge at River Phillip, near the west end of Division "Y", was opened in 1872.

BELOW: The highest point on the ICR between Metapedia and Halifax is at Folly Lake, Nova Scotia, 607 feet above sea level. This bridge across the Folly Valley was completed in 1872. From here east the line goes on to Truro and Halifax.

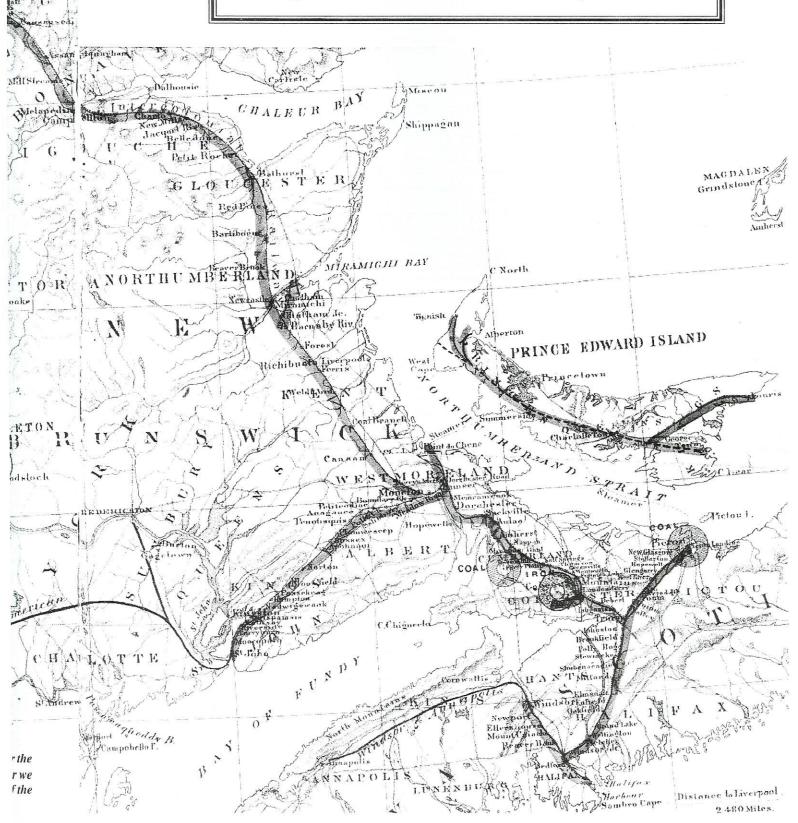






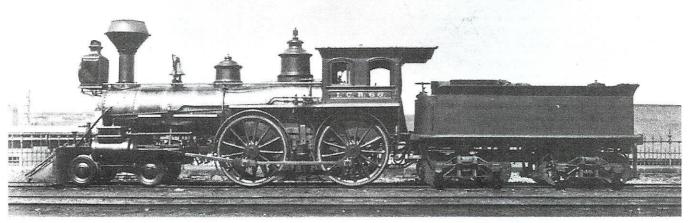
This map of the Intercolonial Railway was copied from a timetable folder dated November 20 1876, only five months after the line opened. The folder is in very poor condition, as the paper is brittle and fragile, and some pieces are missing. However we have attempted to reproduce the map, as well as the timetables on pages 128 and 129, to show the route and schedules of the Intercolonial as it was when it was new.

Map of the Intercolonial Railway in 1876

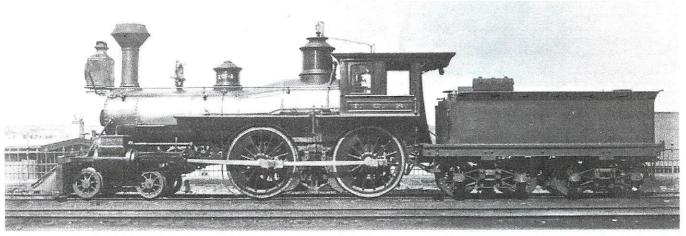


Intercolonial Locomotives and Passenger Cars of 1876

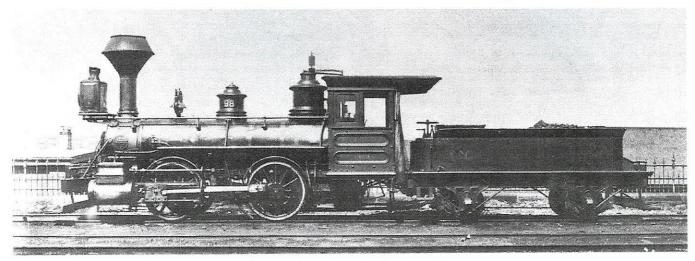
The following photographs of Intercolonial rolling stock are from an album containing original prints made in 1876 and annotated by hand. They were likely commissioned by the railway at the time of the opening of the entire route from Quebec to Halifax. They show very clearly three types of locomotives as well as five types of passenger cars, ranging from the elegant sleeper "Restigouche" and the parlour car "Acadia" to the more spartan Emigrant sleeper 504. Sadly, no freight cars were shown. All photos on pages 122 to 127 inclusive are courtesy of the New Brunswick Museum.



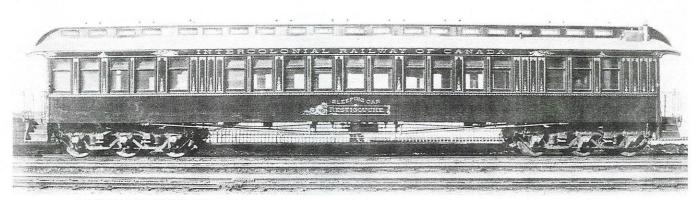
4-4-0 passenger locomotive number 66.

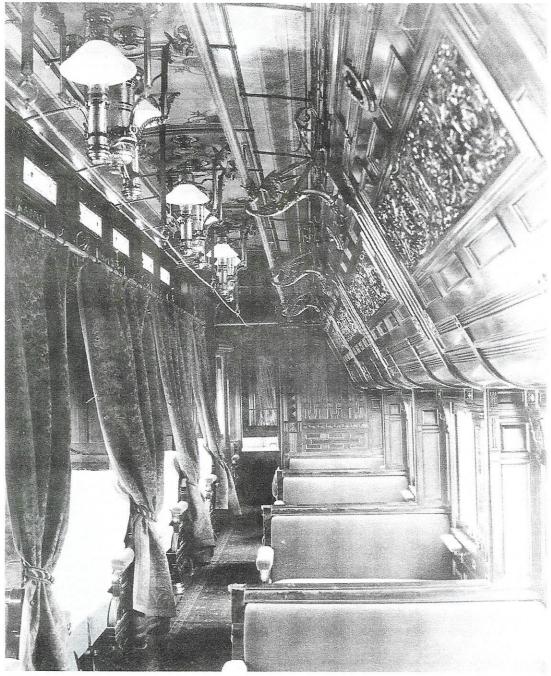


4-4-0 locomotive number 154 for both passenger and freight service.

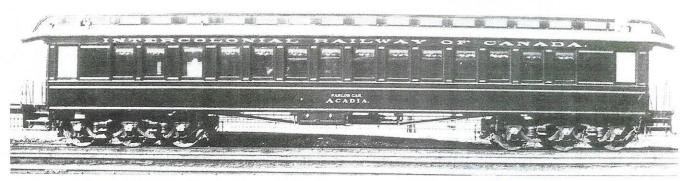


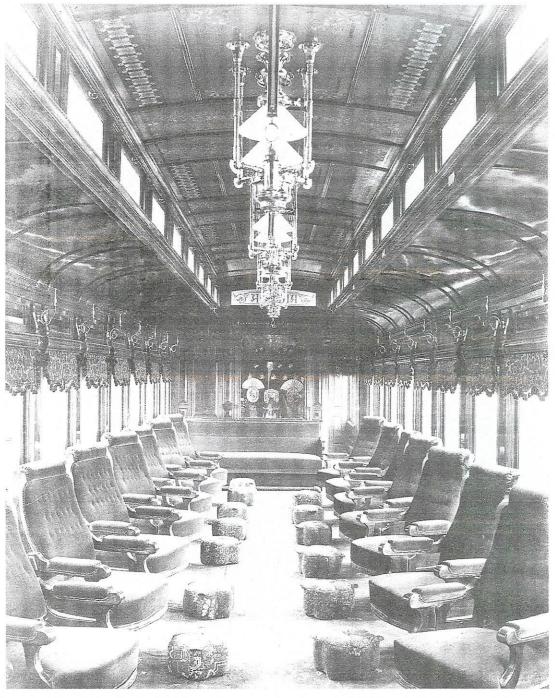
0-4-0 switcher locomotive number 98.



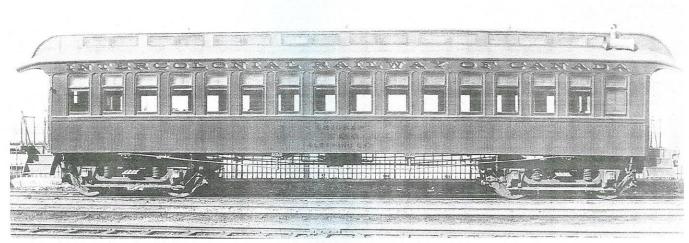


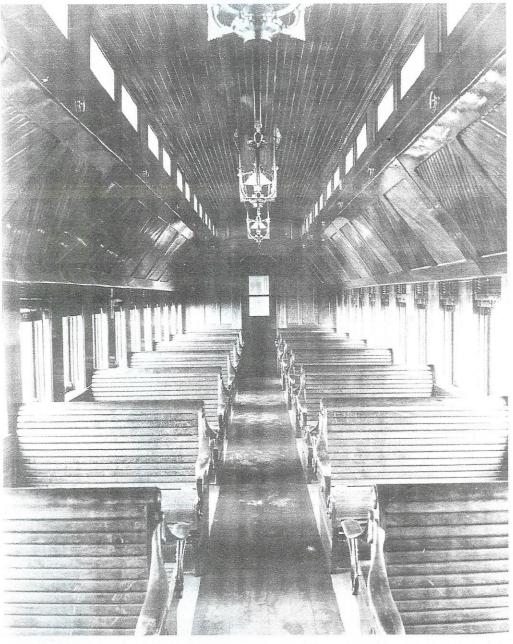
Sleeping Car "Restigouche" showing the berths on one side made up. Another interior view of this car appears on the cover.



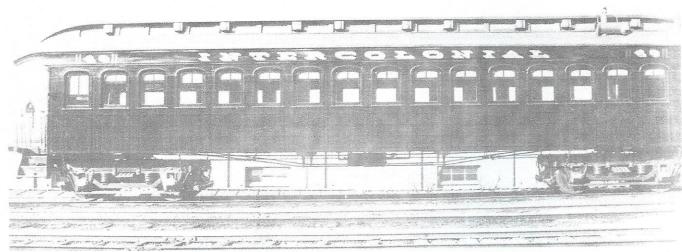


Parlor (sic) Car "Acadia". Note the car name on the etched glass at the end of the clerestory.

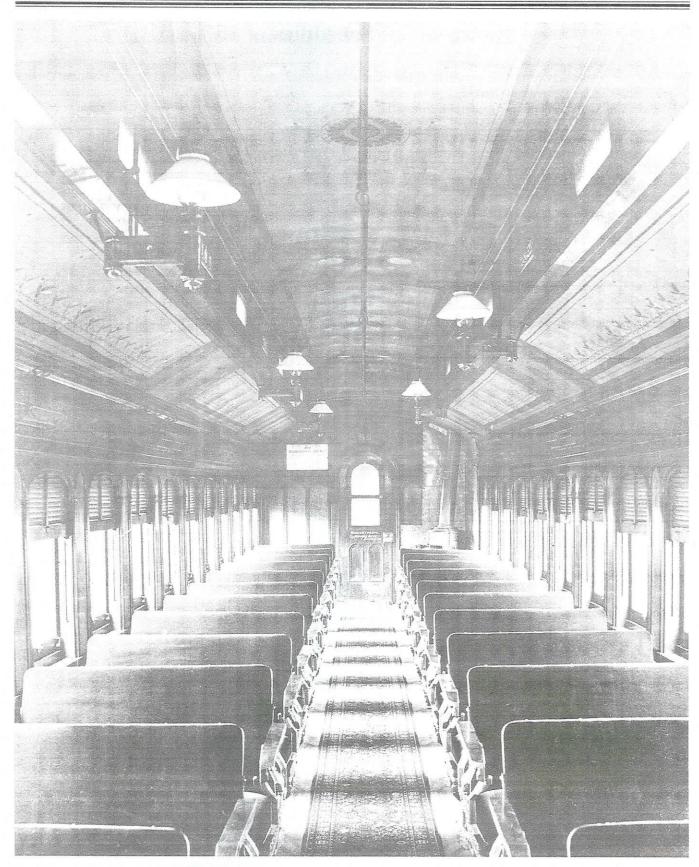




Emigrant (sic) Sleeping Car 504. Its interior is quite plain compared to the "Restigouche".



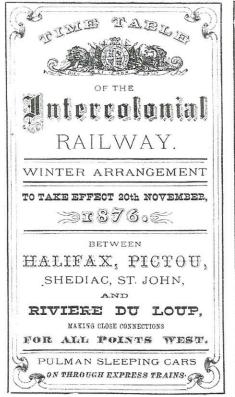


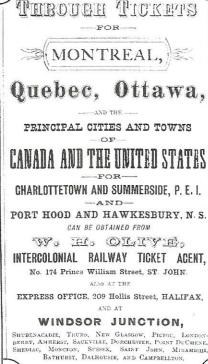


On this page and opposite are two first-class coaches of the Intercolonial Railway. Opposite is car 40, complete with plush seats, carpeted floor and painted canvas ceiling. Above is car 50, similarly fitted out; unfortunately there was no exterior view of this car. The inscription on the door of car 50 reads "James Crossen manufacturer, Cobourg, Ont." There is also an Intercolonial Railway notice posted on the end wall.

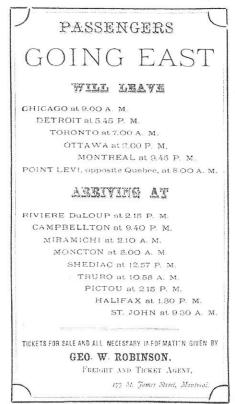
Intercolonial Schedules of 1876

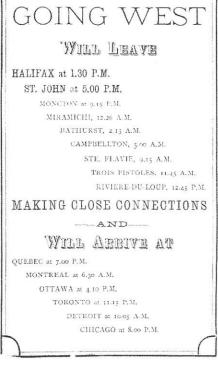
These 1876 schedules are from the same folder as the map on pages 120 and 121. The folder includes information about passenger and freight service offered by the ICR. Note that C.R. Brydges, formerly of the Grand Trunk, was now General Superintendent of the Government Railways. What is now Matapedia was spelled "Metapediac" (it's also sometimes spelled "Metapedia", making three different spellings!). Newcastle was then called Miramichi, a name to which it has recently reverted.



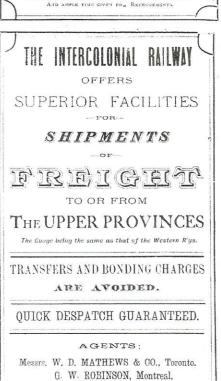








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necessary information to intending Shippers.

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138	Amherst	7.05 "				120	Cadar Hall		4.14 "
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244	Carleton				1	1286	Resver Brook		10.29
255	Barnaby River		4.55 "		(m)	296	Miramichi,	2.10 "	11.20 "
259	Chatham Junction	12.03 a m	5.50 **		1/4	206	Barnaby River		11.55 "
275	Beaver Brook		6.31 "			377	Carloton		12.33 pm
286	Bartibogue	1,20 "	7.16			326	Ferris, Weldford,	2.40 "	1.04 "
309	Red PineBathurst	2.12 "	7.57 " 9.00 "			11216	Cool Branch		2.15 "
321	Petite Roche		9.49 "	oi		255	Canaan		2.49
320	Relledune		10.22 ''	181		1766	Darry's Mille		3.30 "
338	Jacquet River New Mills	3.21	11.25 "	F.		374	Moneton,	11. 3.00	
353	Charlo		12.25 "				Moncton	N. 545 "	8.45 am
363	Delhousie	4 20 14	1.05 "	0		463	St. John,	Ar. 9.30 "	3.15 pm
	Campbellton	4.40 " 5.00 "	2.15 "	0		274	Moneton,	Lv. 5.45 "	
	Metapediac	5.33 **	3.00 "	ep		382	Painsec Junction,	Lv. 6.05	
305	Mill Stream	5.58 "	3.46 "	n		394	Memramcook,	6.33 "	
405	Assametquaghan	6.58 "	4.26 " 5.24 "	Ø		111	Dorchester,	7.21	
433	Amqui		6.17 "			417	Aulac.	7.28 "	
441	Cedar H.ll		6 17 46	2		123	Amherst	7.51	
448	Sayabec	8.01 "	7.13 "	25		431	Maccan,		
468	Tartague	8.48 "	8.27 "			440	Spring Hill,	8.20 "	
477	St. Flavie	9.15	9 30 "			151	River Phillip	8.55	
485	St. Luce	9.33	10.03 "			454	Oxford,	0.12	1
495	Rimouski	10.23 "	10.44 "	1 1		160	Greenville	9.29 11	
515	St. Fahian	10.45 "	12.17 pm			1 471	Wentworth	9.44	
525	St. Simon	11 05 "	12.58 "			1483	Londonderry,	10.14	
534	Trois Pistoles	11.25 "	1.35 '			11	Debert,	1 10 3: "	
	Isle Verte		2.40 "			500	Truro,	X 11.10 "	
552	St. Arsene	12 21 "	3.13 **			11508	Brookfield	11.28 "	
555	Cacouna Ar	12.27	3.26 4			11517	Stewiacke,	11.40	
501	Riviere DuLoup Ar	12.10	3.50 "			1 526	Milford	12.00 pm	
	Point Levi, (Op. Quebec)Lv					1221	Floredale	12.20	
843	MontrealAr	6.30 a m				11037	Enfield,	17.21	
176	Ottawa Toronto	11,15 "		1 1		11546	Windsor Junction,	12.30	
407	Detroit	10.05 a m		Mary III		11000	Bedford,	I I. IO	1
FOI	Chicago	Xonnm	10	a 311		HEAT	A CHARLES TO A CONTRACT OF THE	71.1	