

# The Charlottetown Guardian

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WEDNESDAY, SEPTEMBER 13, 1916.

## QUEBEC BRIDGE DISASTER

In the midst of the crash of the nations, the daily expenditure of billions of money, the death of thousands of men on the battlefields and the desolation of homes in every part of the world, the collapse of the Quebec Bridge span, the death of ten men and the probable loss of several millions of dollars, may seem like a small thing comparatively. Yet the accident, as recorded in our telegrams yesterday, is nothing short of a national calamity. In addition to the regrettable loss of lives and serious injuries to others there is the failure in engineering skill which alone is a calamity. The best scientific skill in the world was consulted, the plans were laid with elaborate care, every precaution that human ingenuity could devise or suggest was taken and the feat of placing the span in position was awaited with intense interest by the scientific world. To the very moment of the collapse everything looked promising. Thousands of men and women watched the stupendous structure rise from its floats on its way up to the supports, 150 feet above it, which were to hold for all time to come the ends of the steel chain connecting the lower and upper sides of the St. Lawrence, the link in the great Transcontinental Railway, when something snapped and the skill and the energy and the ingenuity of the engineers, the labor of years and the product of millions of money, plunged to the bottom of the sea and the gap between the piers was spanned only by space and failure. It was a colossal calamity and must have well nigh broken the hearts of the engineers whose child it was.

Great as was the calamity and disappointment, however, the span will yet be built, the missing link in the Transcontinental will be supplied. Engineering skill, baffled it is true, will yet triumph over this difficulty which only within our own day has ceased to be an impossibility. Impossibility it has been up to the present, but the impossibilities of the present are the workable problems of the future and the spanning of the St. Lawrence will yet be accomplished.

The story of the Quebec Bridge is familiar to our readers. The construction of the bridge was not originally a part of the N. T. R. scheme. It has long been a dream of Quebec people that the great river would be spanned near the Ancient Capital. Long before the N. T. R. was thought of, the bridge was discussed and in 1899 the construction was undertaken by a private company with a subsidy from the Dominion Government, the actual work being done by an American Bridge Co.

One of the greatest disasters in engineering history took place when this initial span collapsed on August 29, 1907, carrying with it more than eighty engineers and workmen. The loss in money to the Government was enormous between subsidies paid out and guaranteed bonds. The total loss was about eight million dollars.

The Government then took over the responsibilities of the bridge and after a Royal Commission had investigated the failure, appointed a board of three eminent engineers to prepare a design for a new structure. Tenders were invited for the new bridge in June, 1910. In response, thirty-five different propositions were submitted from engineers in Great Britain, the United States, Canada and Germany. After long consideration the board finally recommended the acceptance of the design submitted by the St. Lawrence Bridge Company, of Montreal, a company formed specially for this work by two leading Canadian companies, the Dominion Bridge Company and the Canadian Bridge Company.

The bridge boasted the longest clear span in the world. Its centre span was 1800 feet in length or ninety feet more than the longest single span of the famous Fort bridge, which hitherto had held the honor. Like the Forth Bridge it was built on the cantilever principle. Its total length is 3,239 feet, or about three-fifths of a mile. For a length of 760 feet over the channel of the river, the bridge would have a clear height of 150 feet over high water level, thus allowing the passage of the largest ocean liners. The width of the bridge is 88 feet and it was to comprise a double track railway and two sidewalks for

fort passengers. It was originally intended to include two roadways for vehicular traffic, but these were finally abandoned at a saving of some two and a half million dollars.

To manufacture the different parts of the superstructure, the St. Lawrence Bridge Company put up special works a few miles west of Montreal. As most of the parts of the work were of great size these works had been equipped for engineering business on a large scale and it is claimed for them that they are the best and most modern works of their kind.

The whole substructure was completed in 1914, by the contractors, Messrs. M. P. and J. T. Davis, and the erection of the superstructure was begun in that year. The north anchor arm was erected first and in November when work was stopped for the winter, it was complete with the exception of part of two panels. Work was begun again in April, 1915, and rapid progress was made. While the superstructure was being erected the great central span 640 feet long, which was to be swung into position last Monday was being built at Sillery Cove, about three and a half miles below the bridge. The swinging of this span into position by the tide was regarded as a great piece of engineering skill and all Canada awaited with interest the completion of what was to have been the triumph of engineering skill. The total weight of the span was 5,500 tons. What happened, our telegrams yesterday told in gruesome detail; why it happened, is not yet known. The proverbial "weakest link" in the chain will no doubt be the explanation and the warning.

## HANDICRAFTS

The attention of the ladies of Charlottetown is directed to the advertisement in this issue calling a meeting for the purpose of organizing a branch of the Canadian Handicrafts Guild. A branch of the Guild has been in existence in Summerside for several years and has done excellent work, receiving well deserved commendation from the parent association in Montreal and doing very much more than is generally known in reviving many of the handicrafts for which our province was once noted. Two of the ladies who were largely instrumental in making the Summerside branch the success it is, Miss Mary F. Hunt and Miss Carrie Holman, will be present at the meeting here on Friday afternoon and will explain the purpose of the Guild, what has been accomplished and what is aimed at in the immediate future. Many of our citizens were greatly interested during the recent session of the Summer School of Science in the exhibits shown here by Miss Hunt of work done both in our own province and in the province of Quebec. No doubt similar exhibits will be shown at Friday afternoon's meeting, and our ladies will be given an opportunity of seeing the wonderfully artistic work that can be done without the aid of elaborate machinery. The design of the Guild is to encourage this handicraft, and we feel sure that the success attained in Summerside will be an incentive to the establishment in this city of a branch of the Guild.

The work undertaken by the different branches of the Guild is varied and comprises weaving, rug-making, embroidery, needlework, &c., and this year toy-making is being added and generous prizes are being offered to encourage Canadians to undertake not only the manufacture but the invention of toys. We understand that already the Summerside Branch has succeeded in securing very creditable specimens of toy-making, and we have no doubt that ere long the names of some ingenious Prince Edward Islanders will figure in the prize lists. The idea underlying the toy-making undertaking is to make a beginning which will eventually result in the manufacture in Canada of toys which heretofore have been—and never again shall be—received from Germany. It is the intention also, we understand, to introduce clay moulding, the raw material for which we have in abundance and of excellent quality. In the meantime, however, the main thing is to form a branch in Charlottetown and we trust the ladies will attend, en masse, the meeting to be held on Friday afternoon.

## NOTES

The people are living a life of such repulsive immorality and indecency, so shameless in its open ostentation and depravity, that soldiers returning home turn their heads away in horror, and ask themselves why they should sacrifice their lives for such a people. Did these heroes know more of the secret of what is really going on, they would see that, dark as the picture is on the surface, it is far blacker underneath.—Berliner Kruz-Zeitung.

# Red Cross Necessities

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## Red Cross Workers

PATONS LIMITED Eastern Window tells the story, when on Victoria Row stop and look.

There is a good showing of Yarns, Flannelette's, Twill Cottons, Red Cross Patterns and numerous small but needful articles to make our Soldier Boys comfortable this coming Winter. Start Knitting and Sewing, but before beginning be sure and get PATON'S PRICES.

# PATONS, Limited

Butterick Patterns Free for Red Cross Work.

## NEW DOMESTIC WAR LOAN

The new War Loan is by far the most attractive investment that can be obtained in Canada to-day.

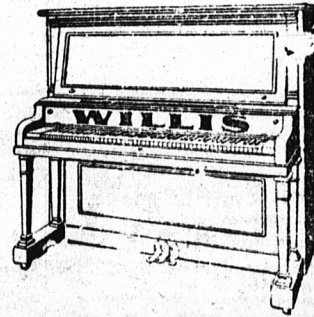
We urge you to subscribe for as much of the new Loan as you can afford, and as it is our aim to provide a ready market for any securities purchased through us, we have pleasure in offering our facilities in that connection.

R. A. DALY & CO.

BANK OF NOVA SCOTIA BUILDING  
TELEPHONE MAIN 3370  
TORONTO, ONTARIO

## The Willis is a Truly Good Home Piano

The beautiful hand-polished case, the light sympathetic touch and mellowness of tone, combined with its honest strength and durability, makes the Willis an ideal home piano.



Call in and see and here the Willis. We can prove its superiority to your entire satisfaction.

A. E. Toombs  
177 Queen St.

course, by which economical means "all nuts might be kept together." I have noticed that whenever a golf course is near an asylum for the insane the same jokes are made it has remained, however, for the town of Elgin to turn the points of these jokes and to build a golf course at the state hospital for the insane patients.

Only last week the opening of the course took place and the result justified Dr. Gohagan's wisdom in providing golf links for the insane under his care, for the making of this golf course is the materialization of his theory of care for the sick minds. He says that it is absolutely necessary to get patients to think about something besides themselves.

**GOLF DIVERTS THOUGHTS**  
"Men and women who rave about the war, tear up their clothes and break the furniture in their rooms are the kind we want out on the links," says the kindly superintendent. The first trial of the links was more than successful, and altho the state had furnished a large number of clubs, the supply is not equal to the demand.

To the experienced golfer it seemed a good idea to use the game of golf to sweep the cobwebs from disordered brains. In case of physical and mental sickness it is necessary to avoid brooding over pains and troubles, and I think that any one who has ever played golf will agree that one of its greatest virtues is that it demands concentration upon the game to the exclusion of any thought concerning other things.

**EXERCISE INDUCES SLEEP**  
Exercise and deep breathing up on a golf course makes most of us ready for peaceful slumber at night. What can be more ideal for disordered brains obsessed with mad-absorbing occupation in the open air and untroubled sleep when the day is ended. To play golf one must relax; the good golfer avoids nervous tension. I congratulate Dr. Gohagan on his good work.

**CHILDREN DYING IN BELGIUM NOW**  
It has been necessary to make special provisions for care of the little ones.

ing that is now being endured in that part of Belgium occupied by the Germans.

The report says that an auxiliary to the Belgian Relief has had to be formed to care for the increasing number of children dying from lack of food. It says, "A score of these poor little things, collected in the vicinity of Liege by Mrs. Villiers Barret, have just arrived in Holland. All these children were in a painful condition. It may take weeks of the best attention and alimentation to restore their health. Most of them are young orphans. Their fathers are dead, killed on the battlefield, disappeared or have been shot down by the Germans in their bloody marches through the communes.

"As to the rest, their mothers, weakened by distress and privation, have been rendered unable to feed them and have been compelled to give them up, with the sole hope of saving their lives."

It is to save these little children, the future hope of our ally, Belgium, that the Belgian Relief Committee, 59 St. Peter Street, Montreal, is pursuing renewed efforts. Only two dollars and a half will keep one of these children from hunger and sickness three months. Think of your child under such conditions, then send your contributions to the world's great cause.

**Constant Headaches**

When the nervous system gets run down one of the most persistent symptoms is headache. Nervous headache has been described as the cry of the starved brain for more blood.

Because of its remarkable blood-forming and blood-enriching qualities, Dr. Chase's Nerve Food ranks first as a means of overcoming nervous exhaustion, nervous prostration, headache, indigestion, sleeplessness, irritability and all the annoying symptoms of nervous breakdown.

It is not a mere relief, but thorough cure; for it rebuilds and reconstructs the wasted and depleted nerve cells.

50 cts. a box, 6 for \$2.50.

**Dr. Chase's Nerve Food**

**DAILY SELECTIONS FOR GUARDIAN READERS**

Furnished by  
**W. S. Louison.**

**BIG ON THE INSIDE.**

In the vegetable kingdom there is no such thing as standing still, year after year. Either a tree is pushing out new roots and new branches every spring, enlarging its girth and increasing its height, or its branches are withering, its trunk is rotting at the core, and the entire tree is on the way to ruin.

Also in the kingdom of the spirit there is no standing still. Either your soul is bearing new fruit, and strengthening itself ever to bear more fruit, or the power of fruit-bearing is passing from it, perhaps forever.

Therefore you can hardly ask yourself a more serious question than this,

"Am I growing in my spiritual life?" And you can hardly consider a matter more important than the means to get a growth, for time and for eternity.

"If I have a son," once said a distinguished theological professor, "I should tell him many times a day to make himself as big a man on the inside as possible." Men are too much occupied with outside growth, or the appearance of it; with large salaries, important positions, men's applause. Look rather within. Get soul power, get riches of the mind, and the outer life will follow.

**GOLF FOR INSANE IN ILLINOIS TO DIVERT THOUGHTS**

CHICAGO, September 9.—Chas. "Chock" Evans, national open golf champion, writes: Many a time when playing at the Ridgemoor Country Club I have heard, when we caught a glimpse of the sad inmates of Dunlap looking out on the Links, would be humorous remarks about the "nuts" over there. Some have even advocated the extension of the insane asylum fence to include the golf

# CROWN LIFE

Let Your Home Possess One Strong Anchor. Your foresight should provide comfort and provision for your loved ones, should you die first, and you should make such provision to-day. Next week, who knows, you may be uninsurable. Your Crown Life Policy—says a Guaranteed Premium Reduction 20-payment Life Policy—is the finest kind of protection. Let us send you some new insurance facts. Agents wanted in unrepresented districts.

## Mount Allison University

Annual Session 1916-17 Opens Saturday, September 23. Many Scholarships and Prizes are offered. For information regarding Courses of Study, Degrees, Scholarships, Prizes, Affiliated Relations, Expenses, etc. SEND FOR CALENDAR. Incoming Students wishing Residential Accommodation—for which MOUNT ALLISON IS JUSTLY FAMOUS—should give earliest possible notice. Courses in Arts, Address REV. B. C. BORDEN, D.D., PRESIDENT Science, and SACKVILLE, N. B. Theology

## Mount Allison Ladies' College

63rd. YEAR BEGINS SEPTEMBER 11. It is the largest Residential Ladies' College in Canada. It is in a healthful town; it has specialists for teachers. It offers Literary Courses, Music Courses, Oratory Courses, Household Science Courses, and Courses in Fine Arts. Its standards are the highest; its students are its best advertisement. It gives Scholarships to worthy students. Its aim is true Education, not surface culture. Its popularity is undoubted; its attendance is steadily increasing. Free Calendar on application to REV. B. C. BORDEN, D. D., PRINCIPAL :: SACKVILLE, N. B.

## MOUNT ALLISON ACADEMY

Offers General, Special and Matriculation Courses leading to the Colleges of Arts, Engineering, Medicine, etc. Manual Training

## Mt. Allison Commercial College

Offers a Course in Business, Shorthand and Typewriting, Penmanship, etc. COMFORTABLE RESIDENCE. STRONG STAFF OF EXPERIENCED TEACHERS. FIRST TERM BEGINS SEPTEMBER 11. J. M. PALMER, M. A. LL. D., PRINCIPAL :: SACKVILLE, N. B. CALENDAR SENT ON REQUEST

## Get Ready for Fall House Cleaning

If you are going to houseclean this fall you will save time, trouble and worry and money if you get your supplies NOW and get them HERE.



Sapolin Stove Pipe Enamel is the proper article to use on your hall stove, pipe, your kitchen stove pipe and all the stove pipe in the house.

You will also need  
Metal Polishes  
Paints  
Mops  
Alabastine  
Varnishes  
Furniture Polish  
Paint Brushes  
Wall Board

—and you can get them all—at a big saving—HERE.

## Fennell & Chandler

VICTORIA ROW

## Fire Insurance A Necessity

Then insure in good strong stock companies, which never contest an honest claim such as is represented by

**E. R. BROW**  
Charlottetown

## Fall Boots Clearing Sale

For September Only  
Ladies' Tan Lace Boots [goodyear] good sole and good wearers—all sizes, 2 1-2 to 7  
**\$3.75 now \$2.50**  
Bring the girls along to  
**G O F F B R O S**  
Job lot of Girl's Strong Boots, Size 11 to 2, Price \$1.65.  
Boy's Strong Boots \$2.00.