

NEW OTTAWA HIGHWAY GAINS CONSIDERATION

Provincial Highway Engineer McLean Discusses Possibility of Ottawa-Prentiss Road.

The Toronto-Hamilton highway will not be the only structure of its kind in the province when the government good roads program is carried into effect. Provincial Highway Engineer W. A. McLean returned on Saturday from Ottawa, where he has been canvassing the possibilities of an early start on the Ottawa-Prentiss highway. In the office of Mayor Porter of that city he was closeted with twenty leading citizens for an hour, discussing ways and means of seeing the project started. At the conclusion of the conference he urged that representatives be sent to the second Canadian and International congress assembling in Toronto in March.

On this occasion the big eastern highway will gain the special attention of the delegates as it bears an international importance.

Mr. McLean will recommend some differences between the construction of these two outstanding roads. That of Ottawa being made easier to finance than that between Toronto and Hamilton. It will also be 10 feet in width instead of 15, and will cost only \$10,000 per mile, instead of \$18,000. Provision will be made however, to allow any future widening as traffic should demand.

In rough estimate, the total cost of the eastern road would be \$400,000, of which Ottawa would subscribe \$180,000, townships \$180,000, and a government subsidy of \$240,000 at the rate of \$4000 per mile would be granted. The cost would be spread over 20 years, the government guaranteeing its proportion of the aggregate cost and the other parties interested bearing their own financial obligations. It is likely that a survey of the route will be made as soon as weather permits, and a commission will be appointed after the manner of that now presided over by Geo. H. Goodenough. The whole plan is yet tentative, but Ottawa men are agitating for its adoption.

FRENCH HAVE FINEST GUNS AND GUNNERS

Various Kinds of Artillery Described by Capt. Plummer by Use of Lantern Slides.

Quick-firing guns and field artillery was the subject of a most interesting illustrated lecture delivered by Capt. Plummer, Royal Military College, Kingston, before the Canadian Institute in the physics building on Saturday night. Capt. Plummer passed quickly over the development of field artillery from the period preceding the invention of gunpowder, during which great catapults for hurling huge stones into and against walled cities were used, down to the present day. A technical description, illustrated by diagrams of the modern field piece showed how ranges can be scientifically and accurately determined, and how the major

in command of a battery may direct his guns from a distance.

Shrapnel shells, which are spoken of so frequently in connection with the present war, were described by the speaker at some length, and the method of timing the projectile so that it will discharge the 300 bullets with which it is loaded at the proper second was clearly pictured on the screen.

This is done by adjusting a cone-shaped fuse on the forward end of the projectile. The advances that have been made in the invention of field artillery in the last few years may be judged by the following table, comparing the results of various methods of fighting in the Russian-Japanese war and in the present European conflict. The percentage of deaths is as follows:

Russ-Jap Present	War
Casualties by rifle fire, 80 p.c.	40 p.c.
Casualties by artillery, 15 p.c.	40 p.c.
Casualties by cold steel, 5 p.c.	20 p.c.

"The German gun," said Capt. Plummer, "are not as effective as the British and French. Their marksmanship is very accurate, but something must be wrong with their projectiles, for a great proportion of their shrapnel failed to explode. The French," he said, "have the finest guns and gunners in the world."

CITY TAKES ACTION IN SMELL NUISANCE

Notices of Motion Served on Three Abattoirs in West End.

SUNDAY WORLD BRIEFS

Legislation to Be Applied for Against Suburban Railways.

Notices of motion were served Saturday against the Harrow Abattoir, Gunna, Limited, and the Swift Canadian Co., by the city. Action has been taken in the matter of smell nuisance in ward seven.

Action has been entered against the Hill and Strath Construction Co., to recover \$7402.80, alleged due the Sun Brick Co. for work done on the property of the Eaton Machine Gun Battery 100 chauffeurs are required.

Toronto reports to Bradstreet's indicate that commercial operations to supply the allied armies in Europe are doing a great deal to offset slack ordinary trade.

To Ask Legislation. At a special meeting today of the city council applications to be made to the legislature will be dealt with. A declaratory act regarding the pavement of the Toronto Suburban Railway on Davenport road will be asked for. The cancellation of the franchise of the Toronto and Suburban Railway will also be asked.

At the local military camp vaccination was continued Saturday. The odds and ends of this operation will be finished today. Efforts are being made to obtain permission to take the brass band when the 20th Battalion leaves for the front.

DeVal of Simcoe is being looked for by the authorities.

A TRYING YEAR FOR GUARANTEE COMPANIES

Many Unlucky Ventures of Dishonest Employes Have Been Uncovered.

Henry E. Rawlings, vice-president and general manager of the Guarantee Company of North America, in his address at the annual meeting in Montreal, said in part:

"The year 1914, for guarantee or similar companies engaged in fidelity and surety business, was not more favorable than the previous year. In fact, it was rather more trying and taxing upon their resources in consequence of losses more or less occasioned by the financial straits which uncovered unscrupulous ventures or speculations of dishonest or dishonest employees occupying bonded positions of trust, and financially crippling or bankrupting corporations, firms or individuals, on whose behalf surety bonds were issued, guaranteeing the completion or fulfillment of their respective contracts or obligations, in part of which, to some degree, the not excessive, this company has had its share."

L.O.L. GIFT TO BELGIANS. COBOURG, Jan. 30.—The Local Oboe Club, a Little League sent a contribution of \$40 to the Belgian Relief Fund.

SYNOPSIS OF CANADIAN NORTH-WEST LAND REGULATIONS. The sole head of a family, or any male over sixteen years of age, may homestead a quarter-section of available Dominion land in Manitoba, Ontario, or Alberta.

Legal Bonds. RYCKMAN & MACKENZIE, Barristers Solicitors, Sterling Bank Chambers, corner King and Bay streets.

Poultry. BABY CHICKS, ducklings and hatching eggs, poultry and fruit form paying combination. Catalogue forwarded on application. Chas. Frovan, Lanark, Port, near Vancouver.

House Moving. HOUSE MOVING and Raising done. J. Nelson, 115 Jarvis street.

Applications to Parliament. Notice is hereby given that the Toronto Terminal Railway Company will apply to the Parliament of Canada at its next Session for an act further amending Chapter 170 of the Statutes of 1908, by increasing the limit of the bonding powers of the Company; also empowering the Company to acquire lands for and to construct, provide, maintain and operate at the City of Toronto, freight and other facilities in such manner and to such extent as the business of the Company renders expedient, and for other purposes.

Deated at Montreal, this 26th day of January, A.D. 1915.

W. C. CHISHOLM, 1722, Solicitor for the Applicants.

Department of the Naval Service. Sealed tenders addressed to the undersigned and endorsed "Tenders for Accommodations" will be received up to noon February 10th, for 1,000 sets of the undermentioned accommodations, half quantity for delivery to H.M.C. Dockyard, Halifax, and half to H.M.C. Dockyard, Esquimaux, B.C.

Belts, waist (leather). Bags, ammunition (leather). Bandoliers (leather). Braces (leather). Water-Proof Slings (leather). Holders, pistol (leather). Pouches, Cartridge pistol (leather). Mess Tins and Covers, canvas. Haversack, canvas. Water-Proof, enamelware (with felt cover).

Tenders may be seen, and tender forms with full information may be obtained on application to the undersigned and to the Naval Store Officers, H.M.C. Dockyard, Halifax, N.S. and Esquimaux, B.C.

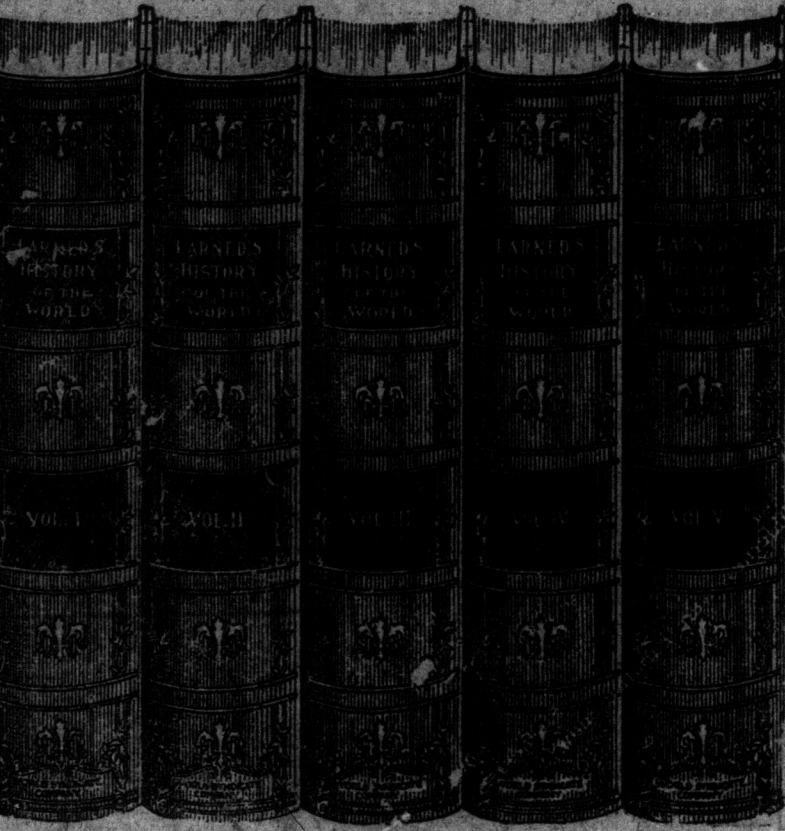
G. J. DESBARATS, Deputy Minister of the Naval Service, Department of the Naval Service, Ottawa, January 21st, 1915.

Unauthorized publication of this advertisement will not be paid for.—7815.

6-1-3

CLOSING

The last opportunity to obtain Larned's History of the World, in five volumes. The supply of these books allotted to The World is almost exhausted, and those of our readers who would be possessed of this wonderful set would do well to take advantage of the opportunity now, as it is altogether improbable that another opportunity will present itself. Read what leading educationists say about this wonderful work.



A Five-Volume Set Valued at \$12.00 for the Triple Coupon and \$1.98

DE LA SALLE INSTITUTE, 28 Duke St., Toronto, Nov. 12th, 1914.

Toronto World, City. Dear Sir: In compliance with your request, I have examined as carefully as my limited leisure would allow, "Larned's History of the World." The book has many advantages. It is nicely bound, handsomely illustrated and not too bulky. But, above all, the author seems to realize that true history must be a record of human progress rather than a mere list of dates and battles. The plan of the book is original and very good.

It is a pity, however, that Professor Larned, more or less spoils his work from a Catholic standpoint, by viewing things Catholic very often from one side only. To give an instance or two: No Catholic can be expected to see the appropriateness of the adjective "lawful" applied to the doctrine of Papal infallibility, nor why Philip II. of Spain should be so strongly reviled, while Elizabeth's reign is not similarly shown forth. In some points, however, the author is much fairer than most of his predecessors. To sum up: The book will prove of great educational value if one reads it keeping in mind the author's anti-Catholic bias.

BRO. AUSTIN.

A WOODSTOCK APPRECIATION. Woodstock, Oct. 20th, 1914.

The Toronto World, Toronto, Ont. Dear Sir: I beg to acknowledge the receipt of the set of Larned's History of the World, also copy of war map, which arrived in good condition. I am well pleased with them. They are a first-class addition to any library.

Yours truly, J. M. NOBES.

Reviewed by E. Hanna, B.A., Assistant in the History Department.

OAKWOOD COLLEGIATE INSTITUTE, TORONTO. R. A. GRAY, B.A., Principal.

Toronto, Dec. 16th, 1914.

This work is just what it claims to be, "A survey of history from the earliest known records thru all stages of civilization in all important countries down to the present time." It is a survey; it is not profound or exhaustive. It is evidently the work of a man that knows the average busy man, the man who has no time for a profound or exhaustive history, but who is curious to know something about the history of every nation. So the writer with a manifestly profound knowledge of history has set himself "to sift out almost everything that does not contribute importantly to a clear disclosure of the main movements in events." He groups these movements into six great epochs. In the first epoch, he deals chiefly with the Hebrews, the Egyptians, the Persians and the Greeks. The sixth epoch deals with the last one hundred years and brings the record down to the assassination of Francis Ferdinand of Austria, June 28, 1914.

There is a very full index which makes the work valuable for reference purposes. With its help, one can satisfy his curiosity about the early history of China, the people of Peru, the rise and fall of Turkey. The books are well written, readable books, and possess undoubted value for every person who has a thirst for a knowledge of history.

E. HANNA.

For this week only the opportunity is open. After Saturday, February 6th, it will have passed. See the triple coupon in another column of this paper, and read how you can obtain this magnificent History Set in five volumes, recounting the story of the world for the past seventy centuries. Seven thousand years of progress intelligently described by that master word artist, Jos. R. Larned.

The triple coupon will also entitle you to obtain "Heart Throbs," a collection of verse and prose dear to every Canadian, in two volumes. Distribution of this unique set will cease on Saturday, February 6th. Do not delay until the last day, as we cannot undertake to supply either Larned's History of the World or Heart Throbs when the present limited supply is exhausted. The distribution will positively cease on Saturday, February 6th, or sooner, if the supply is exhausted.

Many thousand World readers have availed themselves of the opportunity to obtain these books. Do not be one of those who apply too late. Clip the coupon today from page three and send or bring it in at once to

The World Office, 40 Richmond Street West, Toronto

Or 15 Main Street East, Hamilton

Toronto World, Toronto, Ont.

Dear Sir: Some time ago Principal H. R. H. Hanna asked me to look over Dr. Larned's "History of the World." Having done so, I beg leave to report as follows:

He who would attempt to compress the story of 7000 years into one quarter that number of pages, is indeed a brave man. Yet this is what Dr. Larned has succeeded in doing in his "History of the World." This is no "omnium gatherum," but a real history. For by his perception of the continuity of history, he has avoided the error of such disjointed work as Miss Singleton's "Great Events"; by his sense of proportion, he has escaped the encyclopedic character of other attempts at world history.

Two characteristics of Dr. Larned's work will appeal to the scholar—the analytical outline which indicates more plainly than anything else can, that the author possesses a clear historical perspective, and the illustrations, which are, without exception, the most representative and best selected historical gallery that I have seen.

Though a scholarly work, its appeal is not essentially or chiefly to the scholar, but to the body of general readers, for training for exhaustive historical study, yet who wish to be familiar with great world movements of both past and present. To such, the common sense of philosophy, rational treatment and clear, easy style of Dr. Larned's "History of the World" should strongly appeal.

L. J. PETTIT, History Master, Peterborough Collegiate Institute.

RIVERDALE COLLEGIATE INSTITUTE, Toronto, Nov. 2, 1914.

The World: Dear Sir: The report of the teachers of English and history in Riverdale Collegiate Institute is as follows:

We find that Larned's History of the World is a most useful survey of the main facts and movements of history, concise enough to be of great value to the busy student, and yet sufficiently comprehensive to give all the information needed. It ought to be of great value to the ordinary reader in search of clear, up-to-date material.

Yours truly, W. M. C. MICHELL, Principal.

COLLINGWOOD COLLEGIATE INSTITUTE, Collingwood, Nov. 6th, 1914.

The Toronto World, Toronto. Dear Sir: I am in receipt of your letter of Nov. 4th re Larned's History, which also came to hand this week. On behalf of the Collegiate, I thank you for the volumes and the map enclosed.

I have glanced thru the books, and from my brief observation, I have pleasure in noting the very wide scope of effect in the way of history.

Yours truly, W. J. FEASBY.

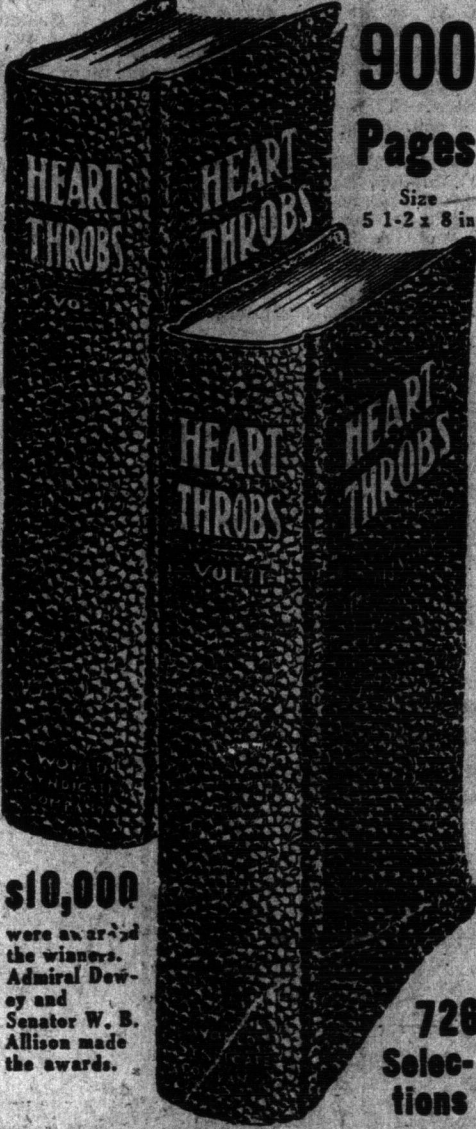
INGERSOLL COLLEGIATE INSTITUTE, Ingersoll, Ont., Jan. 19, 1915.

The Toronto World, Toronto, Ont. Gentlemen: I wish to acknowledge, with thanks, the receipt of a set of Larned's History of the World in five volumes for the school library. Larned is an historian of repute, and his larger work, "History for Ready Reference," is a well-known contribution to historical literature.

The author himself calls his "History of the World" a survey of history, and these words well describe its scope. It is a work which gives the busy man, the general reader and the student a survey of the world's history. It is not burdened with details, and it is written in such a pleasing style that the reader's interest does not flag.

The print is clear, the binding is attractive, and the portraits and illustrations are numerous and good.

Yours very truly, J. C. SMITH, Principal.



Two beautiful volumes, richly bound in seal grain limp binding, superb cardinal covers, stamped in gold. Red edges, round corners; an edition de luxe for this paper's readers.