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Canadian Achievements
By Lyman B. Jackes

There are many achievements attributable to men who lived in Canada and were in the true sense Canadians. In addition to other great discoveries and accomplishments recently recorded in the press, the following originated in Canada:—
THE FIRST ATLANTIC STEAMBOAT
THE SUBMARINE CABLE
THE TELEPHONE
THE ELECTRIC RAILWAY
THE ELECTRIC STOVE
CALCIUM CARBIDE
COMMERCIAL HELIUM
STANDARD TIME
MARQUIS WHEAT
THE SLEEPING CAR

Many of the readers of The Advance do not know Canada's part in these achievements. Those who have some knowledge of them will appreciate this interesting series of articles, refreshing memory and adding to a just pride in this country and its potential wealth of brains, ability and determination.

No. 7—STANDARD TIME

Standard Achievements—

It is a difficult matter for those of the present generation to understand the confusion regarding the matter of time that existed throughout the civilized world prior to the year 1880. The smooth working of Standard Time across the world is the invention of a Canadian mathematician, Sir Sanford Fleming. In the year 1879 he laid his proposals before the Canadian Institute at Toronto, and within a few months his paper had been read and his theory tested by leading astronomers of numerous countries. Such a pressure was raised for the application of his idea that the United States Government invited an international conference to meet at Wash-

ington, the police heard someone yelling on the slimes across from the station and promptly investigated. They found a well-known character of the Camp in dire straits. He had been feeling friendly and carefree, and wandered across the old lake and eventually stepped into a mud-hole. In trying to get his feet out, he simply stumbled in the deeper. Then he got down on his hands and knees and the more he struggled the further he got down in the mud. There was more than a fair chance of the man finding his grave in the mud. But he had no intention of being buried thus "unwept, unhonored and unsung." He was too much occupied with trying to save himself to think but he looked after the "weeping" and he certainly "sung" his troubles to the world. He could be heard for blocks and blocks away calling for help in his time of need. He had a good voice, too, for the purpose. When Officer Patcher arrived on the scene, the old-timer wanted him to go out to his assistance. "Come out and save me," he begged. "No," says the officer, "but I'll tell you how to save yourself." He then instructed the troubled gentleman to stretch out and roll. "Roll this way," ordered the officer, "and keep on rolling till I tell you to stop, and you'll be saved all right." The victim rolled manfully for a time, but he tired easily. The officer kept him rolling, however, until eventually he rolled to safety, and Officers Patcher and Orr were able to get him back on his feet. The gathered mud from the rolling made him weigh about 500 pounds, and he was dizzy from the rolling. The man could give no clear account of how he got into the mud-hole. He could not deny having been there, however, and he was sure that if he hadn't been a good roller he would have stayed there until Ed Leslie got him out. His hat still decorates the soft section of mud where the old-timer had so much trouble and danger.

mathematically under the transit at the Greenwich Royal Observatory, which was to be marked "O" as a starting point. All time between the various meridians marking the time belts was to be similar, but as each new time belt was entered toward the west the time would be advanced one hour.

It seems so simple and so smooth-working now, that it is hard to realize that numerous legal actions were entered against the adoption of this system of time reckoning. These disputes were followed by laws making Standard Time legal.

Sir Sanford Fleming received the tangible thanks of numerous scientific societies throughout the world for his plan of time-reckoning. Even the former imperial government of Russia acknowledged his work, and practically every European country has joined in with his scheme of Standard Time with the exception of France.

After the success of his efforts to straighten out the muddled methods of time-reckoning which prevailed prior to the general legal use of Standard Time, Sir Sanford Fleming devoted his energy to academic themes. He was elected to high office within Queen's University, Kingston, Ont., and also aided in the complicated mathematical work that resulted from the surveys for the railway across the Rocky Mountains. He died at Halifax in 1915.

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Next Article—Marquis Wheat.

NARROW ESCAPE FROM MUD DROWING BY LOCAL MAN

About three o'clock Friday morning, the police heard someone yelling on the slimes across from the station and promptly investigated. They found a well-known character of the Camp in dire straits. He had been feeling friendly and carefree, and wandered across the old lake and eventually stepped into a mud-hole. In trying to get his feet out, he simply stumbled in the deeper. Then he got down on his hands and knees and the more he struggled the further he got down in the mud. There was more than a fair chance of the man finding his grave in the mud. But he had no intention of being buried thus "unwept, unhonored and unsung." He was too much occupied with trying to save himself to think but he looked after the "weeping" and he certainly "sung" his troubles to the world. He could be heard for blocks and blocks away calling for help in his time of need. He had a good voice, too, for the purpose. When Officer Patcher arrived on the scene, the old-timer wanted him to go out to his assistance. "Come out and save me," he begged. "No," says the officer, "but I'll tell you how to save yourself." He then instructed the troubled gentleman to stretch out and roll. "Roll this way," ordered the officer, "and keep on rolling till I tell you to stop, and you'll be saved all right." The victim rolled manfully for a time, but he tired easily. The officer kept him rolling, however, until eventually he rolled to safety, and Officers Patcher and Orr were able to get him back on his feet. The gathered mud from the rolling made him weigh about 500 pounds, and he was dizzy from the rolling. The man could give no clear account of how he got into the mud-hole. He could not deny having been there, however, and he was sure that if he hadn't been a good roller he would have stayed there until Ed Leslie got him out. His hat still decorates the soft section of mud where the old-timer had so much trouble and danger.

There is an epidemic of measles at the Pas, Manitoba, with about 50 houses quarantined. The public school is closed, and Sunday School is also discontinued in the hope of stopping the further spread of the epidemic. There was an epidemic of measles in this North Land, but it never attained proportions like at the Pas, in comparison to population.

The Mining Market

While the mining market for the past two months has remained very quiet with a small volume of trading, yet the stocks have held their position against forced selling orders exceptionally well, reflecting its strong technical position. We are of the opinion that the present time offers a real opportunity for the purchase of stocks and we have no doubt but what handsome profits will be realized as a result if prompt action is taken.

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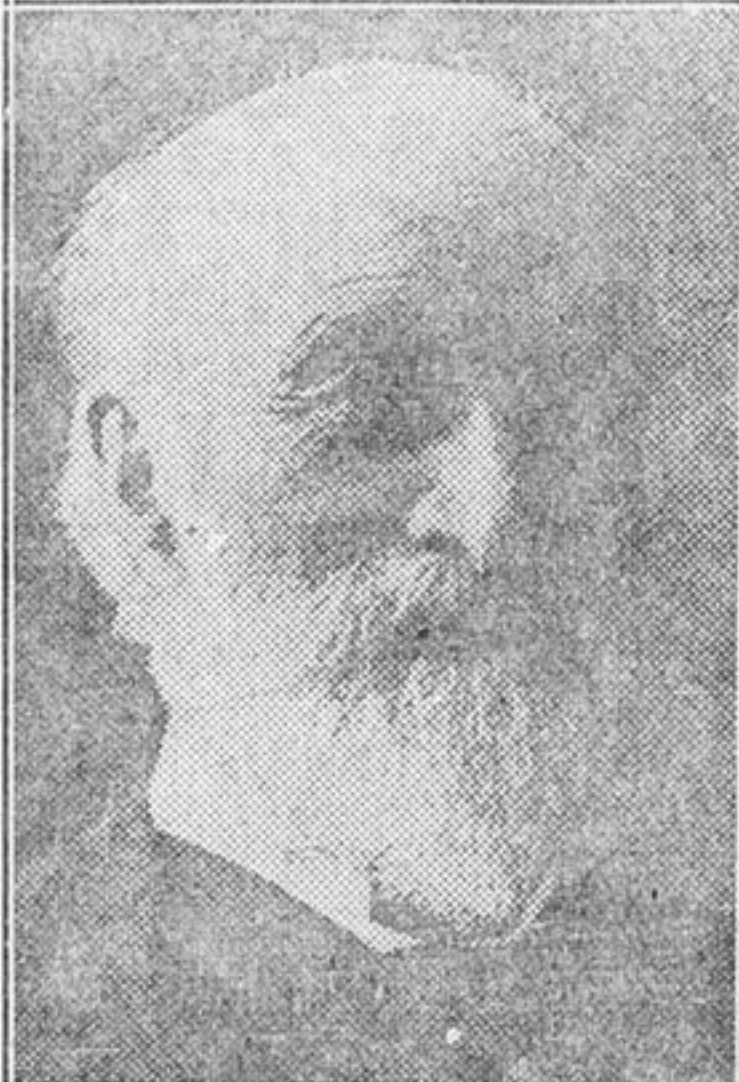
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SIR SANFORD FLEMING, the great Canadian mathematician and engineer, who gave to the world its present system of Standard Time.

ington. The conference found the idea sound and practical and Standard Time became legal throughout a vast portion of the earth in the year 1884. Previous to this the reckoning of time generally was a bedlam. The rapid railroad construction in Europe and on this continent had also witnessed the introduction of numerous "times" by the various railway and telegraph companies. Some railways had as many as three different time systems operating simultaneously, while banks and various legal institutions had "times" of their own. There are official records of railway stations having as many as three clocks in the waiting room, each set at variance with the others and each asserting its claims for correctness. This confusion arose from using the "mean noon," or the time at which the sun passed directly overhead, as a basis of reckoning. Mean time is well enough for local purposes but even a few miles away the sun would not be overhead at the same instant. The variation is four minutes later for every degree of longitude toward the west, and it was in the attempt to keep in the race with the sun that the confusion arose.

Sir Sanford's Proposals

Sir Sanford Fleming proposed a division of the earth into twenty-four sections, or time belts, each fifteen degrees in width. There was to be a prime, or starting meridian, and this was agreed to be the one that ran

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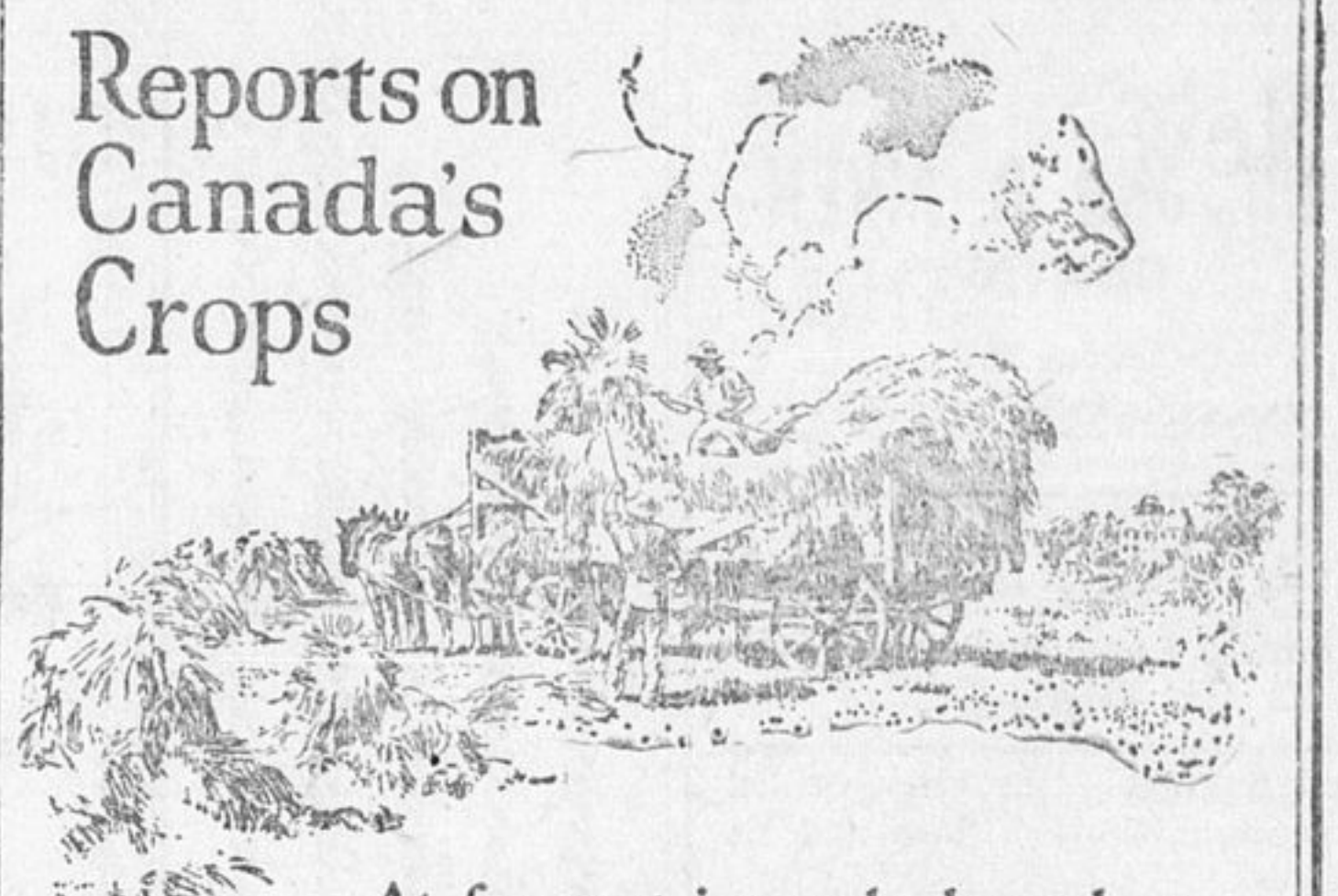
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