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Sunlight Soap

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LEVER BROTHERS LIMITED, TORONTO

THE GREATEST ELECTRICIAN.

Mr. Thomas H. Edison Discusses the Resources of Canada and Her Coming Development.

In one of the classrooms of Columbia University, New York, there hangs a portrait of Thomas Alva Edison, presented to "his friend, Prof. Crocker," with an inscription recommending the professor to tell his young men that "all things come to him who hustles while he waits."

There has never been more ardent, practical and effective hustler than Mr. Edison himself, and his success is attributable to the constant and systematic application with which he has attacked the problems before him.

Mr. Edison seems to hold the idea that every conceivable problem has an attainable solution. In the invention of incandescent light he knew the kind of material he wanted to provide the luminous filament in the lamp. The quest resolved itself into a serious of experiments with all the available material until what was required was discovered. Most of the so-called discoveries have been made in this systematic way, though occasionally in the pursuit of some particular problem another has been solved.

A WORKING BASE.

Mr. Edison consented to see a representative of The Toronto Globe at his place in Orange, New Jersey. His practical work and his knowledge of Canada add value to his opinions on matters concerning our electrical development. An appointment had been made beforehand, for Mr. Edison is a busy man, and the visitor was admitted to the library adjoining the laboratory, of which a glimpse could be had during fifteen minutes' waiting. The library is a large, airy and pleasant room, three stories high, finished in varnished wood, with open galleries. A big open fireplace kept summer holiday, and sunshine brightened all the windows except one, where a stuffy owl stood in a dark corner. Two curtained library nooks ranged with book-laden shelves, filled one end of the room. At the other hung a white sheet on a roller, probably for kinetoscope pictures. Many frames covered the walls. Mr. Edison's certificate as an honorary member of the New York State Chamber of Commerce filled one, and a symbolic picture of incandescent lighting another. Here was a portrait of a great electrician; there one of President Roosevelt. Views of San Francisco and New York faced a picture of some monks yielding to the seductions of the phonograph. Portraits, photographs and maps were scattered around. Near at hand was a sketch map of iron ore deposits near Hamen Ford. A winged Ariel bearing an electric lamp, a globe and other library adjuncts stood about. A clock, not so wide awake as its owner, pointed to five minutes past six. Another, five minutes fast, struck eleven.

Mr. Edison, it was said, had been suffering from neuralgia and was lying down. Presently he came in, rosy and good-natured as Mr. Pickwick, forceful and direct as Napoleon.

"He's very deaf. You'll have to shout," said an assistant. It may also be said that Mr. Edison appeared in a rough, coatless working costume, utterly unpretentious.

AN OLD GLOBE READER.

"I know The Globe well," he began. "Used to read it when I was in Canada long ago. I'm going up there again next year. I went up through that Sudbury country once prospecting; spent two or three weeks there and did some boring. I could have had the use of the Government drill and half the cost, you know, but I took my own. I had fifteen men at work there for a year, and went down a thousand feet."

"It's headquarters there for nickel while nickel region up there, or so they think. I think I know where I can get some more," and he drew a rough plan of the nickel region, and of cobalt. The nickel trust has the indicated another district northeast of it.

"There's a body of magnetic ore there. It may be iron or it may be nickel—nickel is magnetic. The electric indicator showed where it was right enough. But the geologists say

we must go down two thousand feet. 'I put twenty thousand dollars into that country. I'll put twenty thousand more, too. I think I know where I can get nickel. We'll use a lot of it in the storage battery. I have fourteen thousand cells working now, and I just want to see what they will do for a year before I go any farther. They are doing all right, and I guess we'll need the nickel."

"Storage battery is a great thing. Down there in the Bay of Fundy, now, you could store power enough for all day in an hour and a half."

"You have a very liberal mining bureau in Ontario. I have the regulations here. A man ought to go there," and Mr. Edison emphasized the "ought." "He couldn't be better treated. Your maps, too, are very fine. What good can a man do without maps? They were a great help to me."

MR. EDISON ON TRAMP.

"It's the hardest country in the world to prospect. There are no roads, and a man has a job climbing over fallen timber. I had to pack my own baggage. Right up there in the woods I found a Hudson's Bay trap, red with rust." Mr. Edison smiled at the recollection. "I guess it was set fifty years ago."

"You've great water power up there. Nothing like it. You can use it for electrolytic refining. You don't need high voltage. And there are new electrolytic processes invented every day. I'd rather collect the small powers along thirty miles of a river. They are cheaper than the big ones."

"I've been up by the Wahnapitae and Temiskaming. That's a rich country and there's a railroad now. What population have you in Canada?"

"When we are full here we'll overflow into Canada. Our lumber is going up all the time. When all our lumber is down the tariff must come down, too. You have the richest market in the world right at your door."

"Heat? Use electricity for heat? I wouldn't waste it on that. Heat is a small proposition. When you have electricity, manufacture with it. 'Keep warm? Burn wood. There's had hardly been touched. You haven't scratched it yet," he concluded.

Mr. Edison is a man of extraordinary simplicity and enthusiasm, and his frank gaze and hearty smile would have carried conviction to a less patriotic Canadian than a representative of the Globe.

Thomas Alva Edison was born Feb. 1, 1847, at Milan, Ohio, and first worked in Canada in 1859 on the Grand Trunk Railway. His inventive genius and marvellous industry have associated his name with some of the foremost wonders of our wonderful era. His anticipated success with the storage battery will bring about another revolution in the application of electric power.

HEATING BY ELECTRICITY.

The problem of heating which Mr. Edison pooh-poohed in connection with that north country for ever-lasting. No difficulty about heat. But I wouldn't want to use electricity for it.

"Canada's a great country, but it with electricity is nevertheless one of importance to a country with the winter temperatures of the Hudson Bay Territory. Prof. F. B. Crocker of the chair of electric engineering in Columbia thought hot water the ideal heating medium."

"It acts as a balance and prevents extremes. With steam you are trying one minute and freezing the next. But you can't get any more heat out of the water than you put in. Where the heat can be regulated as it is in electric heaters—there will be no more waste than there is with hot water."

"With electricity you can turn 'on as much or as little as you please, and you can have a separate installation in every room. The lack of smell and the nonoxidization of the air are also good features."

Prof. Michael Idvorsky Pupin is another member of the Columbia faculty, who has filled the chair of elec-

tro-mechanics since 1899. He was at Idvor, in Hungary, and studied under Helmholtz. He has the highest opinion of the electrical future of Canada, and there is no better authority on the continent.

The question of electrical heating was referred to him in view of the fact that Canada had water power to burn.

"It seems too much like going back to rubbing two sticks together," he said, "to adopt the mechanical generation of heat. It might be said that it was the sun's heat, however, for it is the sun that lifts the water up, and the reconversion of the energy by electric means into heat is use of the sun's heat indirectly, as much as the combustion of coal."

"Doesn't that imply that gravitation and electricity are convertible?" "We don't know anything about that," was the reply, but the emphasis was on "know," indicating the existence of a good deal of speculation.

FARM LABORERS' EXCURSIONS 1905

Latest advice received to date show that the wheat crop of Manitoba and the Canadian Northwest will exceed that of past seasons; consequently a greater number of laborers than usual will be required to assist in harvesting.

A farm laborers excursion will be run from points in Cape Breton and Nova Scotia, east of New Glasgow, August 18. From all other points in Nova Scotia and from points in New Brunswick and Prince Edward Island, August 19. One way second class tickets to Winnipeg will be sold from coupon ticket stations. The rate from points on C. P. R. lines in New Brunswick will be \$12 going and \$18 returning. From points on J. C. R. lines in New Brunswick and Nova Scotia, also from points on the D. A. R. the rate will be \$13 going, \$19 returning. From points on the P. E. I. Ry., the rate will be \$13.50 going, \$19.50 returning. Tickets will be sold to female as well as male laborers. Tickets will not be sold at half rate to children.

With each ticket purchased will be given a Farm Laborer's Verification Certificate, and an extension coupon. At Winnipeg the special trains will be met by farmers, and by representatives of the Manitoba government. Laborers will engage at Winnipeg and on presentation of extension coupon signed by a farmer stating that the holder has engaged to work for him as a farm laborer, ticket agent will issue free ticket from Winnipeg to C. P. R. station nearest the point where laborer has engaged to work, and on arrival at such station laborer must deposit the farm laborer's verification certificate with the C. P. R. agent. If anyone has made prior arrangement to work with friends or with some farmer with whom they worked previously, they will be issued free ticket as above and may check their baggage through from starting point to C. P. R. station nearest the point of work, provided such point is not beyond Moosejaw, Yorkton, or Estevan, as free tickets will not be issued, nor baggage checked to points beyond these stations.

After laborer has worked for at least thirty days, and has certificate signed by the farmer with whom he has worked, such certificate will be honored prior to Nov. 30th, for a ticket to return to starting point on payment of the return rate shown above.

150 pounds baggage wearing apparel only will be allowed on each ticket, and each piece of baggage checked should bear the name of the owner and show his permanent address. It will be readily understood that some difficulty will be experienced in handling some thousands of laborers to one station, and some delay may occur in the delivery of baggage. Therefore, when possible, baggage should be carried in hand grips, and these passengers should take it in the car with them. They should not be checked.

It is expected that special passenger trains (particulars to be announced later) for the accommodation of laborers will be run on the main lines, and tickets will be accepted on regular trains.

All further information will be supplied on application to Mr. F. R. Perry, D. P. A., C. P. Railway, St. John N. B., and intending excursionists should notify nearest ticket agent at once.

COLD SETTLES IN THE BACK. It hits people in a tender spot and makes it mighty hard to brace up. Nervine will take that kink out of your spinal column in short order; it soothes, that's why relief comes so soon. Nervine penetrates, that's why it cures. Five times stronger than ordinary remedies, Nervine can't fail to cure lame back, lumbago, sciatica and neuralgia. Nervine is king over all muscular pain, has no equal and costs 25c. per bottle.

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Troubled for over Four Years.

Weak Bowels and Diarrhoea.

DR. FOWLER'S
Extract of
Wild Strawberry
cured after other remedies had failed.

This wonderful bowel complaint cure will do the same for you as it did for Mr. Chas. Durham, Toronto, Ont. He writes as follows:

"I was troubled for over four years with Weak Bowels and Diarrhoea and could not get any medicine to cure me until I tried Dr. Fowler's Extract of Wild Strawberry. Since taking this medicine I have had none of my former trouble, and can recommend it to any person with the same complaint that I had."

All dealers sell it. Be sure and ask for DR. FOWLER'S and accept no substitute.

Some Men Learn

the Value of ADVERTISING

by not trying it. There are hundreds of men in the business world who have seen their competitors commence to advertise and promptly and loudly prophesied their failure.

These have learned, their mistake and paid a high price for their experience. To see your competitor prosper at your expense is far from pleasant. Others have thought that there might be something in

ADVERTISING,

but have preferred to wait and see how those who tried it came out. These must now be content to occupy a position as "also rans" as the advertisers have forged so far ahead and gained such a foothold that it is a hard matter to dislodge them.

ADVERTISE YOUR GOODS.

The purchasing public expect to hear from you, if you have bargains to offer. If you don't tell your story the man across the way

WILL

The public want bargains. If your prices are right, if your goods are reasonable, if your advertising is truthful and goes to the home, you will without a doubt be the owner of a busy store. Every business evening people read

THE DAILY HERALD N MOST CASES N THEIR HOMES.

A home-read paper assures business for its advertisers next day.

SANTAL-MIDY
Standard remedy for Gleet, Gonorrhea and Runnings IN 48 HOURS. Cures Kidney and Bladder Troubles.

G. T. WHELPLEY. SEEDS

Wholesale and Retail.

Timothy Seeds, Clover Seeds, Garden Seeds,

Just stored one carload

FEED.

Victor Feed, Banner Feed and Cracked Corn and Oats. Ontario Heavy White Oats, Carleton County Oats.

G. T. WHELPLEY
310 Queen St., F'ton.

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Gillett's Perfumed Lye.
Imperial Baking Powder.
Gillett's Cream Tartar.
Royal Yeast Cakes.
Gillett's Flammeth Blue.
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(ESTABLISHED 1852)

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Cook's Cotton Root Compound.

The only safe effectual monthly medicine on which women can depend. Sold in two degrees of strength—No. 1, for ordinary cases, \$1 per box; No. 2, 10 degrees stronger for Special Cases, \$3 per box. Sold by all druggists. Ask for Cook's Cotton Root Compound; take no substitute.

The Cook Medicine Co., Windsor, Ontario.
Nos. 1 and 2 are sold in Fredericton by all Druggists.

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New Roller Blinds from 25c. to 50c. each.

Window Poles with wood trimmings in oak, cherry and walnut at 25c.

Floor Oilcloths, all widths at 25c. per yd.

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must be better than all other flours. We will not be satisfied to even share the honours of first place. A A A

THIS assertion is not made through any selfish desire to deprive other millers of their right position; but we know that our facilities for producing THE BEST FLOUR are beyond contradiction the finest in Canada. Ours are the only mills where flour is scientifically purified while in the course of being ground, and if you could see the dirt that we take out and then think of what others must of necessity leave in, you would not long hesitate as to which is the best for your stomach. You would quickly agree that HOUSEHOLD must be the best.

THE Ogilvie Flour Mills Co., Ltd.
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