POWER FROM THE COLLIERY

Montreal Star: When Edison was in lingland a few years ago he was informed that it was proposed to start a plant for generating electricity by steam is or near the west end of London, to which coal would have to be conveyed by railway. "Why not," be asked, "build the plant at the mines and transmit the power by wire?"

power by wire?"

Elaborating this idea in an interview with one of the best known newspaper correspondents, Mr. James Creelman, as said: "It would not aurprise me to learn that someone had seized the secret of the production of electricity by direct process. This will abolish the carrying of coal for the production of electricity. Instead of transporting such gross material as coal to get power, we shall set up plants at the mouth of the mines and generate the power there and transmit rate the power there and transmit herover it is needed by copper wires.

it wherever it is needed by copper wires.

"It is preposterous to keep on putting the coal mines on wheels. It is too clumsy, too costly, and there is no necessity for it. It is easier to convey molecular vibration—millions of waves a second—than freight cars full of arude matter. We can ship 100,000 horsepower over a wire more quickly and more economically than we can send the squivalent in coal over a railroad altogether from this problem. What we want is the resultant, the utmost energy that can be produced. Everything points to the fact that in the near future electricity will be produced for general consumption in great powerthing points to the fact that in the near future electricity will be produced for general consumption in great power-houses at the mouths of the coal pits. This is the logical and commonsense outcome of present events. Now the trith is that it will cost one-third less to transport electrical power by wire than to convey it in the form of coal in railroad cars. We can turn that coal into electricity at the mine and convey it by wire at less than half the cost of freighting coal. Where water powers are not available that great power plants will be set up in the coal fields and do away with the individual steam plants, and electric light will become cheaper than gas."

Last week for the first time on this

Last week for the first time on this Last week for the first time on this continent this very practical suggestion was put into practical operation; at the Chicago mines of the Maritime Coal, Railway & Power Company, where the Lieutenant-Goveronr of Nova Scotia, in the presence of a large and representative gathering of public men, turned on the crurent, which will henceforth supply Amherst, and in the future many other maritime Province towns, with electric power. This ceremony was afterwards repeated at the great car works of Rhodes, Curry & Co., in Amherst.

In the evening a splendid banquet was given to Senator Mitchell, President of the maritime company, and a harce parts of minimum company, and a harce parts of minimum company, and

dent of the maritime company, and a large party of visitors. At the lan-quet Mr. Hance Logan, M. P. for Cum-berland county, read the following tele-gram from Mr. Edison: "Trenton, N. J., July 31.

"The Main and the Main and the Main and the Main and Senator Mitchell on the inauguration of the first power plant on the mount of electricity at the mount of a coal mine and the distribution of the generation of electricity at the mount of a coal mine and the distribution of the same to distant commercial centres. It is a bold attempt and I never thought it would be first accomplished in Nova Scotia, where my father was born over 100 years ago.

"THOMAS A. EDISON."

The reading of this telegram was

"THOMAS A. EDISON."

The reading of this telegram was received with tremendous enthusiasm. The lieutenant-governor heartily congratulated Senator Mitchell and his associates upon doing what had never before been accomplished even by our enterprising and friendly neighbors to the south. The intention is to utilize as fuel for the production of electricity the culm which has hitherto been regarded as waste, because its market value would not pay for its freight; and Governor

culm which has hitherto been regarded as waste, because its market value would not pay for its freight; and Governor Fraser observed that in his own county there were thousands and thousands of tons of such refuse, the accumulation of years gone by, which the colliery owners could neither use nor sell.

Senator Mitchell, in his speech acknowledging the toast of his health, told the history of the company's early vicisitudes. The power plant, just started was only one unit, as the precursor of many to come. They would add unit to as required, and were ready to give the manufacturers of Amberst and other towns within 50 miles power at a lower rate than they could possibly make it for themselves. In his opinion, the company had to-day a nice property; they had acquired a large area of coal lands, which would become extremely valuable, especially if they obtained reciprocity in coal with the United States, which would double the value of every mine in Nova Scotia.

Mr. N. Curry, of Rhodes, Curry &

would double the value of every mine in Nova Scotia.

Mr. N. Curry, of Rhodes, Curry & Co., vice-president of the Maritime company, said that his interest as a customer was much greater than his interest as a seller. He pointed out that the new system had many advantages besides the low price per horsepower. For instance, a small manufacturer could get power for what it would cost him to emply one man to run his own plant. The Hon. Dr. Pugley paid a high tribute to the energy and ability of Mr. David Mitchell, the general manager of the Maritime Coal, Railway & Power Company, to whose efforts the great success of the company was chiefly due.

Mr. Julian E. Smith, of the Shawnigan Power company, remarked that the reason Montreal was the greatest centre of transmitted electrical energy in the world.

Mr. D. W. Robb of the Robb Er.

city in Canada was because it was the greatest centre of transmitted electrical energy in the world.

Mr. D. W. Robb, of the Robb Engineering company, expressed the opinion that the greatest of the Amherst industries was the one started that day. Among the other speakers were Mr. C. A. Lusby, president of the Amherst Board of Trade, who presided; Hon C. W. Robinson, Premier of New Brunswick; Hon. Frank J. Sweeney, Mr. George Robinson, M. P. P., Mr. Henry Daly (of Montreal), Mr. E. R. Reade (of Ottawa), Professor Andrews, Mayor Lowther, Mr. C. W. Cole, Mr. C. S. Sulfierland, Mr. Costell and Mr. Stuart Jenks.

The new power plant is of the most modern type. It includes a Robb-Arm strong cross compound vertical enclosed high speed, force-feed ciling engine, of 750 horsepower, while working under its most economical load, or 1,000 horsepower for an overload. The engine was manuractured by the Robb Engineering company, of Anherst, and is probably the Ingreat of the type in America.

Directly connected with the engine is a Canadian Westinghouse, alternating current, electric generator, with rate capacity of five hundred killowatia, delivering the current at a pressure of eleven thousand voits. At the

company's substitution in Amherst are three Weetinghouse transformers of 150 kile-watta each, which transform the pressure from 11,000 volts to 2,000 volts. At the Rhodes-Curry works are three transformers of 40 kile-watts each, which for certain purpose, and for the protection of the workmen, further protection of the workmen, further pressure from 2,000 to

volts. At the Rhodes-Curry works are three transformers of 40 kilo-watts each, which for certain purpose, and for the protection of the workmen, further reduce the pressure from 2,000 to 220 volts.

Very little labor is employed to run the plant. Steam is supplied by four 200 horsepower return tubular boilers, brill by the Robb Engineering Company. The fuel, which consists entirely of the culm or retuse of the mine, is fed to the furnaces automatically by Jones' Underfeed Stokers; and is carried from the bankhead on being saparated from the coal by mechanical conveyers, into the boiler room, and falls into the stokers by gravitation. Even the graduation of the fires is effected automatically. The system is said to afford the most economical method of producing electric power yet discovered.

Thursday afternoon was devoted by the visitors to the inspection of the new property recently acquired by the Waritime Coal, Railway & Power Company. This includes, in addition to coal lands estimated to contain 200,000,000 tons of coal of high quality, extensive timber lands, a valuable town site, and the railway running from Maccan to the Bay of Fundy, and which is now a continuation of the Maritime Company's old line from Chignecto to Maccan Junction with the Intercolonial Railway. The reliveness and will do better when the amprovements now in progress are exempleted. Of these the most important is the building of new bridges over the Maccann and Hebert Rivers, which will enable the company to use heavier locomotives.

Work is going on day and night in the construction of a new slope which

will enable the company to use heavier locomotives.

Work is going on day and night in the construction of a new slope which is literally "on the shore" of the Bay of Fundy. On the first of June, operations were commenced near the foot of the cliff overlooking the way, working upwards, and it is expected that the surface will be reached, at the point where a new bank head of the most modern type is to be built in less than a week. Ultimately the workings at this point will reach the sub-marine areas belonging to the Marine company and Mr. John Hardman, the company's consulting engineer, is au-

Stylish Hat and Veil.

One of the fads in veils lately is to have a large circle of dotted veiling, edged with a satin ribbon, and worn as shown in the top picture. The hat in the lower sketch is a dark grey satin felt, trimmed with black panne velvet and a plume which curls over the hair in the back.

WANTED TO BE IN FASHION. Willy—Cricky, Billy, yer got a dirty face. Why don't yer wash yerself? Billy—Cos I want me girl to think I own a motor.

clined to find fault with his wife as with his business partner? Why should not a woman take the same pains to be agreeable to her husband as to any stranger whom she desires to please?

A woman once asked Dr. Johnson how it was that in his dictionary he came to define pasters as the knee of a horse. "Ignorance, madam, pure ignorance," was the doctor's answer. This is the simple explanation of many an accident which takes place at the beginning of the matrimonial journey.

COST OF MOTORING.

Interesting Statistics on the Expense of Running an Automobile.

To determine the average cost of main-To determine the average cost of man-taining and operating an automobile, an enterprising manufacturer has just coin-piled statistics, showing that with judic-ious handling, and the ordinary care that should be accorded an automobile, the ious handling, and the ordinary care that should be accorded an automobile, the amount to support a machines is not nearly as great as most people believe. The Cadillac Company determined recently to discover the cost. It sent invitations through the newspapers throughout the country and to owners of single-cylinder Cadillac's, asking them for sworn statements as to the total expense incurred in the maintenance of their car. Of those who responded, hundreds were willing to make statements of the approximate cost of running their cars, yet none of these was used. Only the actual cost, sworn before a notary public and witnesses, were accepted. One hundred and witnesses, were accepted. One hundred and sixty-four statements were received, coming from 30 different States, which show records of cars that have been used on all kinds of roads and under all sorts of conditions. From the data received the following statistics were compiled: The mileage gotten out of the cars varied considerably, ranging from \$50 to \$32,000. Many of the affidavits showed a mileage of over 20,000 and nearly 50 per-cent, had gotten over 10,000 miles out of their car. The total combined, made over 1,500,000 miles, or to be exact, 1,555,427; the average of this being 9,881 miles per car.

The gasoline consumption afforded

be exact, 1,555,427; the average of this being 9,881 miles per car.

The gasoline consumption afforded great interest. One car running as low as 9 2-3 miles per gallon, while another ran as high as 32 miles per gallon. Forty per cent, of the number have claimed to get over 20, miles per gallon, while the aver-age of all is a trifle over 18 1-3 miles per gallon.

Synda Bat and Vol.

One of the factors with a color of the

Do Spiders Sleep?

Do Spiders Sleep?

The question, "Do spiders sleep at night?" is not easy to answer. I have made a careful observation of the sleep of anis, and that could readily be done by spatching colonies in the sleep of anis, and that could readily be done by spatching colonies in the sleep of anis, and that could readily be done by spatching colonies in the sleep of the sleep

SCHOOL SHOES

AND OTHER KINDS OF SHOES

No matter what kind of Shoes you may require, always bear in aind that you can do a little better at this store both in STLYE AND VALUE than you can do elsewhere.

You see this is an exclusive store—nothing but shoes and shoe findings, and every dollar's worth of Shoes are purchased for prompt cash, the choicest lines being selected here and these from the best manufacturers, and when the Shoes arrive the price is marked in plain figures at a fair profit, and only one price is asked or accepted.

For Young Men Who Dress Well

The dressy young man who wants snappy, stylish Shoes, should see our new fall lines, as in no other store will you see such natty Shoes. This week will see the most of our Fall Shoes in stock, and we would like you to call and see how nicely we can fit your feet. Our aim is to give to each customer a PERFECT FIT and GOOD

VALUE for the money.

LADIES' SHOES—This week we will receive about nine hundred

pairs of Fine American Shoes to sell at \$3.00, \$3.50, \$4.00 They are STYLISH and GOOD, or they would not be an sale at this store.

HAGAR SHOES—The Hagar Shoes are the rethan ever this season. American Shoe travellers have told us that Hagar Shoes are the only Shoes in Canada that interfere with their canadian business. We have the agency in Hamilton for Hagar Shoes.

J. D. CLIMIE 30 and 32 King St. West

SAKAKAKAKAKASAKAKAKAKAKAKA

HANDLING THE COLTS.

There are farmers whose colts are always gentle and easy to catch out in the fields, while there are others whose colts are always wild, breaking away when the owner approaches, as if he were a stranger to them. Men of the former class tell me that their coits in that condition are half broken. If you will notice one of these cases you will see how nicely he progresses with his work and how soon he is driving that animal. These colts have confidence in their master, a point the other man must will before he can proceed right. Of course he can by intrigue catch it and by main force hitch it up then turn it out to run away with the wagon first thing, but that is not training the colt in the right away in fact he is making poor progress

ent away as Mary Jane, but come back Jeanne Marie.

Her hair is all in crinkles now-she calls

Her hair is all in crinkles now—she calls 'em Marshall waves;
She's up in all the etiquette, real stylish she behaves.
Her ma end me are mighty proud o' all she's learned—but gee,
We sometimes wish for Mary Jane instid o' Jeanne Marie!
—Mrs. Elsie Duncan Yale in Woman's Home Companion.

A Cure for Hay Fever.

George B. Harrison of Gerden City, who has just begun to harvest his crop of hay fever, says that he has discovered a sure cure for it. His remedy is simple, but he says it is none the loss effectual. It consists in not eating breakfast until 11 o'clock in the morning. Mr. Harrison has not taken out a patent or copyright on the remedy, and any one who wishes to use it is at liberty to do so.—From the Topeka Dally Capital.

We affront women by looking at them too much; we wound them when we do not look at them at all.

Nature has declared a prime inequality between man and woman; she is enchanted by what she bestows; he is unchained by what he receives.

The Watch House

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GO HAND IN HAND. WITH OUR COMPLETE STOCK OF CUT GLASS WE CAN GOW YOU ALMOST ANYTHING IN BOTH ORNAMENTS AS WELL AS TABLE WARE.

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