

HYDRO-ELECTRIC PROVIDES HEAT

Already Hundreds of Thousands of Tons of Coal are Thus Saved in Canada Every Year.

The question whether hydro-electric power can be made cheap enough to compete with coal in modern heat is answered by Louis Simpson of Ottawa, member of the Canadian Institute of Mining and Metallurgy, in a paper on "The Fuel Problem in Canada he writes:—

"The use of hydro-electric power, in place of power and light produced from the combustion and retorting of coal, in the future, will be greatly increased. It has for some years been admitted that under favorable conditions hydro-electric power was less costly than power generated by the combustion of coal. This, however, is no longer always the case. Today, in Canada, over 100,000 H.P. are being used for the production of heat, as steam, during the major portion of each day and indications foretell that this total will shortly be greatly increased. The new invention makes possible the use of 'off peak' electrical currents for the generation of steam displacing the coal hitherto used for this purpose. Already the coal so dispensed with exceeds several hundreds of thousands tons per year and the end is not yet. The economies of the new utilization of hydro-electric power are well illustrated by the case of a large manufacturing concern operated by 10,000 H.P. all hydro-produced, of which 6,000 is Electric Horse Power. Of this 6,000 H.P., less than 1,000 H.P. was used during the major portion of each day. Over 6,000 H.P. was used only 56 hours per week out of a possible 168 hours. Considerable steam was used for heating, boiling and drying, entailing the consumption of some 20,000 tons of coal per year. By the use of this 'off peak' power, the management are able to provide the steam required without having to purchase coal. By the use of this new invention the following advantages are secured:

1. The purchase, weighing, handling to boiler house and the labor of firing 20,000 tons of coal per year, and the removal of the resultant cinders, are saved saving of over \$150,000 per year is effected.
2. The elimination of all risks of stoppage or of having to pay high famine prices for coal, the result of strikes of miners or of transportation workers.
3. The elimination of all smoke.
4. Reduction in the cost of repairs.
5. Reduction in annual charges for depreciation.
6. Saving interest charges, caused by having to carry large stocks of coal.
7. Savings consequent to not having to provide storage room for large supplies of coal.
8. The steam supplied is much drier and the moisture content is constant.
9. Removal of inconveniences, during the summer months, caused by the heat given off, in some rooms occupied by workers, by the main steam pipes conducting the steam from the boiler plant.

"It is certain that this new method of steam raising will be widely adopted. High prices, demanded for coal, will accelerate substitution. "Another possible use of hydro-electric power, when such power can be secured at reasonable rates and when coal is high in price, is the electrification of certain sections of Canada's railroads. Space will not permit a discussion of this problem, sufficient to say that local conditions do exist in Canada that favor such substitution and that such substitution may be expected, especially should the price demanded for coal keep high. "The present developed Hydro-electric power is estimated as being equal to the consumption of 27,628,861 tons of coal; it is evident, therefore, that the production of what has been called white coal (in its equivalent of black coal) is quickly overtaking the production, in Canada, of black coal. Whether the development that creates the white coal will continue, depends somewhat upon the price that will, in the future, be demanded for black coal. It must not be forgotten that whilst every ton of black coal burned reduces the amount of the future supply, the use of white coal or hydro-electric power does no injury to those who come after us."

ATTORNEYS LEAVE FOR THE COAST

M. G. Teed, K. C., W. B. Wallace, K. C., and J. D. P. Lewin left last evening for Vancouver to attend the annual meeting of the Canadian Bar Association as official representatives of the New Brunswick Barristers' Society. Mrs. M. G. Teed was also a member of the party which left last night for western city. Hon. Dr. J. B. M. Baxter, K. C., who left last week for San Francisco to attend the meeting of the Bar Association of the United States, will also attend the meetings in Vancouver which will take place on August 16, 17 and 18.

TWO N. B. PASTORS ACCEPT CALLS

Rev. Macintosh McLeod, Presbyterian pastor of New Mills, Restigouche county, has resigned to accept a call from the First Presbyterian church of Providence. Rev. H. H. Blanchard, formerly of Kirkland, has accepted a call to the Onslow (N. S.) Presbyterian church.

SEES SON'S BODY IN RIVER

Mother, Waiting for Lagging Child, Takes Him From Water, Dead.

White Plains, N. Y., Aug. 4.—While a mother and daughter sat idly at the bank of the Saw Mill River at Thronwood, a few miles from New York, the return of the two-year-old son of the family, who had lagged behind during the family's walk along the river bank, they gazed into the stream and saw a body floating down with the tide. The mother, Mrs. Rose Vesel, of 100 East Seventh street, New York, screamed, waded into the river to her waist and brought the body of her son Patsy to the bank. The mother and daughter, worked feverishly over the boy, but to no avail. Passersby carried the child to a nearby house and Dr. Markel of Pleasantville was called. He used a pulmotor, but failed to revive the boy. Mrs. Vesel is the wife of an owner of a string of taxis in New York.

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VAST QUANTITY OF WOOD FOR FAIRVILLE

Total of 21,800,000 Feet Moved Down Rivers For Nashwaak Pulp and Paper Co.—Record Established.

A total of 21,800,000 feet of wood for the Nashwaak Pulp and Paper Company for manufacture into pulp at the big plant in Fairville has been rafted down the Nashwaak valley this season and into the St. John river. The rafting season on the Nashwaak was completed on Wednesday and the crew was discharged, with the exception of a few men who will clean round the piers at Pennie and the dam at Marysville and build a new bunk-house in connection with the rafting grounds at the mouth of the Nashwaak in Devon. Upwards of 20,000,000 feet of lumber was driven and rafted on the Nashwaak this season, the river being cleaned of logs. Four million feet were for the Fraser Companies, Ltd., and 500,000 for Stanley Douglas, Ltd. The rafting season has established a record for the Nashwaak, a weekly average of 50,000 pieces being maintained on the rafting grounds.

NEW MANNER OF GETTING MINISTERS IS SUGGESTED

(Canadian Press Despatch.)

Toronto, Aug. 3.—Reform in the matter of the system of appointing ministers to Presbyterian churches in Canada is a subject which has recently in a new movement in Presbyterian circles. Those behind the movement condemn the present system which makes it necessary for the average minister and also the young student just from college "to go canvassing." As a remedy, it is suggested that there be a time limit followed by a reduction under the supervision of something like a church stationing committee. Four year terms are suggested. One-fourth of the congregation in each presbytery would vacate on a fixed date each year, in order to preserve continuity. The usage as to call would be preserved as long as the call was completed in order and accepted provisionally, three months previous to the terminal date. A second term for the incumbent would be in order under a call, but the committee would have to assure itself that the call was practically unanimous. The stationing committee in the final three months of the term to fill all anticipated vacancies and place all available ministers.

BOMB THE AGAMEMNON STEERED BY WIRELESS

Aircraft Rake British Warship With Dummy Missiles in Target Practice.

London, Aug. 4.—The obsolete battleship Agamemnon was used in the English Channel as a target for bomb practice from the air. Without a living soul aboard she was controlled and steered by wireless from a destroyer which at the time was miles away. Steaming at a speed of ten miles an hour and changing her course from time to time in answer to the wireless direction, the Agamemnon was first attacked by four De Havilland bombing machines, each of which dropped twenty-four dummy bombs from a height of 8000 feet. The missiles began to fall all round the vessel, and presently two direct hits were registered. Most of the hits were so close that expert observers expressed the opinion that in actual warfare the battleship must have been destroyed. Afterward heavier machines with heavier dummy bombs attacked the Agamemnon, with a higher percentage of direct hits. Finally smaller aeroplanes assailed the vessel from close quarters, and only three bombs out of forty missed their target. The battleship was soon blotted out by smoke. As soon as the smoke cleared off, six other machines swooped down and raked the decks with machine guns. It is pointed out that the tests were not intended as a contribution to the aeroplane versus battleship controversy, but as target practice, pure and simple.

FREDERICTON PERSONALS.

(Gleaner, Wednesday.)

Mrs. W. P. Edwards and two children returned yesterday from St. John, where they spent the last week. They were accompanied by Mrs. Harold Sully and her children.

Mrs. Mary Wheeler left this morning for Bangor to visit relatives.

Mrs. Mary Mavor left yesterday afternoon for Calgary, where she will be the guest of her son, Stewart Mavor, K. C., for some weeks.

Miss Annie Harvey left yesterday for New Westminster, B. C., where she will spend a few weeks before going to Pendleton to reside.

Mr. and Mrs. VanBuskirk J. P. are to leave today for Battle Creek, Michigan, where Mr. VanBuskirk will remain for some time and Mrs. VanBuskirk spend a few days.

Dr. B. C. Foster and wife and R. B. Hanson, M. P., and wife, are spending a few days at St. Martins.

Mr. and Mrs. W. G. Irving and daughter, Gladys, of New York, are the guests of Johnston McKenzie.

J. S. Scott, county secretary-treasurer, and his family left this morning for St. John by motor. It is his intention to go from St. John to St. Stephen and to return to Fredericton via Houston and Woodstock.

Col. T. G. Loggie, deputy minister of lands and mines, returned this morning from Halifax, where he accompanied Mrs. Loggie on Thursday of last week. Mrs. Loggie is remaining in Halifax for the benefit of her health, which has improved since her arrival.

MONCTON PERSONALS.

(Moncton Transcript.)

Mrs. B. C. Robertson, accompanied by her niece, Miss Gertrude Lewis of Campbellton, left this morning for St. John and will spend a few weeks at Brown's Flat.

Rev. S. A. Baker is much improved in health. He expects to resume his pastoral duties with the Moncton Reformed church on Sept. 3.

Mrs. Percy Maxon and son of Cambridge, Mass., are visiting Mrs. Maxon's parents, Mr. and Mrs. H. Constable.

Miss Marjorie Hutchinson and Miss Lillian Harlow of Boston are spending some weeks in the city with Miss Hutchinson's parents, Chief L. S. Hutchinson and Mrs. Hutchinson.

Miss Belle Armstrong is chaperon for

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a party at Gray's Point, Lake Utopia, at Arthur Johnson's club house. The party included: Misses Armstrong, Cawley and Miss Smith of Moncton and Messrs. Ellery and Arthur Johnson.

COURT VIEWS HER COSTUME.

Accepts Offer of Dancer Accused of Wearing Immodest Apparel.

New York, Aug. 4.—Miss Clara Young, a dancer, appeared before Magistrate Elperin in the Flatbush Police Court, Brooklyn, charged with having worn an immodest costume at a revue at the Parkway Palace, 61 Ocean Parkway, July 20 and 21. Policeman Frank C. Lemmon of Inspector's Sackett's staff was the complainant.

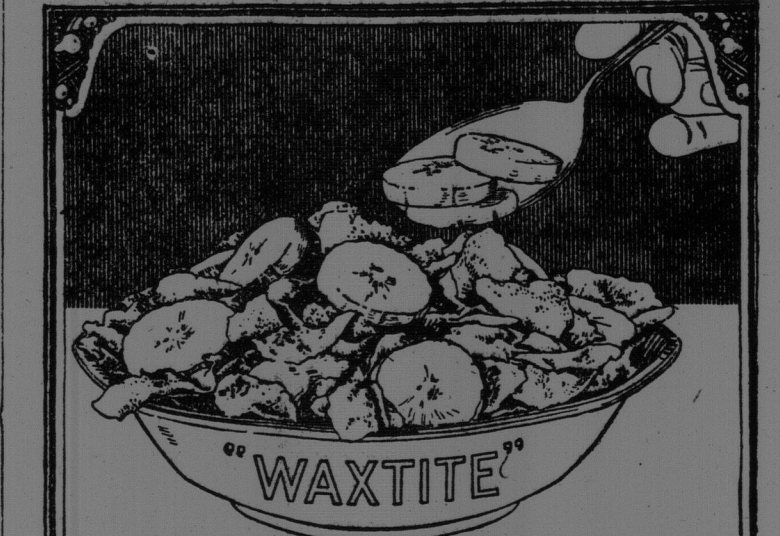
Miss Young denied that her dancing clothes were immodest. She told the court that she had on her stage costume under her street clothes and offered to let Magistrate Elperin judge for himself. He consented and the exhibition was held in his chambers with only the court attendants and reporters present.

When Policeman Lemmon saw the dancer in her gypsy costume he said that she was not the same girl who ten minutes before he served the summons on her. The dancer, however, insisted that it was she and she was corroborated by several witnesses. Magistrate Elperin reserved decision.

Under the last government a bill was drafted to deal with the pest, but it never reached the House. It made it a penal offense to let prickly pear grow on clean lands and dealt with clearance lands on their merits.

AUTO GOES DEAD IN A RACE WITH STORK, BUT PAPA WINS
New York, Aug. 4.—When Joseph A. Burns' automobile balked while he was racing from Middletown, N. Y., to his home at 1,046 South Orange avenue, Newark, in an effort to get there ahead of the stork, he simply abandoned the automobile at the curb, hopped aboard a trolley car and arrived home about five minutes before the stork brought a fine baby boy.

Meanwhile the police had notified surrounding towns that a crazy motorist had abandoned a good machine. They took it in charge ad Burns got it back.



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Baden-Powell on Temperance.
(From Sir Robert Baden-Powell's New Book)
"When I was in Mafeking we all had to live on a very reduced ration of food, and it was interesting to see how this affected the different people in the garrison. And it affected them in remarkably different ways. Some remained much the same, many were visibly reduced, and I do believe that one or two got fatter on it."

"But the test came at the end of the seven months, when I called for volunteers to make a sally against the enemy I asked for those who felt themselves capable of marching five miles and though everybody wanted to join in it we very soon found that only a small proportion of them could stand even this mild test. But it was quite evident that the men who were most capable of doing the required work were those who had been all their lives temperate in eating, drinking and smoking."

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