

WOULD PAY KINGSTON

TO UTILIZE ITS EXHAUST STEAM FOR HEATING.

Prof. L. W. Gill Reports to the City Council With Reference to the Question of Using the Light Plant's Exhaust Steam.

According to Prof. L. W. Gill, of Queen's university, who was engaged by the city council to report upon the feasibility of utilizing the exhaust steam from the light, heat and power company plant for heating purposes, it would pay the city to go into the project. At last evening's meeting of the council Ald. Elliott presented the report of Prof. Gill upon this matter.

The professor reported that on Nov. 23rd and 24th he had made a test of the city's plant to determine if it was possible to run the engines non-condensing, and how much extra fuel would be burned when so running. He found that by making a slight change in the piping the last engine could be operated condensing while the other engines were operating non-condensing. Under these conditions there would be a fairly steady supply of exhaust steam. The extra fuel would amount to from one to two tons a day. This heat could be made available for general distribution at once the only expense involved being some slight change in the piping and the addition of grease extractors, the whole costing about \$500.

About 100,000 pounds of steam can be obtained from the plant with very little change. Allowing ten per cent. for transmission losses and taking the average rate charged in other cities, viz., fifty cents for 1,000 pounds, the possible daily gross revenue would be \$45. If more heat than the above be disposed of it is possible, with the present boilers, to increase the amount available to 6,000 or 7,000 an hour. An additional fireman would be required.

Considering the proposal to heat only the city buildings in zero weather the fuel required for this purpose would not exceed forty pounds an hour. It would cost \$5,000 to transmit heat to the buildings. There would be no resulting profit in this as an ordinary hot water system could be operated as cheaply.

However, while it would not be profitable to heat the city buildings alone from the electric plant Prof. Gill finds that considerable revenue could be derived from a general heating system, providing sufficient customers can be secured to take all or nearly all the heat available when the plant is operating non-condensing. He interviewed a number of property owners of the district which could be conveniently supplied with heat, and in every case he found a willingness to take heat from a central system providing the cost to the consumer would not exceed the cost of fuel for heating with private furnaces. On this basis there will be no difficulty in disposing of all the exhaust steam which is available at the power plant under present conditions. In extreme

weather the extra steam could be secured directly from the boilers. The cost of the distributing system would be \$17,000. Providing for future growth the cost would be about \$20,000. In the latter case a tunnel would extend from the power plant to the corner of Brock street and up Princess to Wellington.

The cost of installing a heating system in all parts of the city buildings which are not now supplied with the hot water furnaces would be \$2,400. This included the installation of a steam heater to take the place of the present hot water furnaces, and the connection of the whole system to the underground transmission lines.

The cost of installing a separate hot water system in the city buildings would be \$4,000. There would thus be a saving of \$1,600 in capital expenditures in connection with the installation of a heating system in this building. In addition to this there would be an annual saving of fifteen cents for every \$100 of insurance, which would amount to a considerable sum if the buildings were insured for even one-half its value.

The net revenue to be derived from a central heating system was thus outlined:

| Estimated Receipts. | |
|------------------------------------|----------------|
| Gross revenue | \$5,000 |
| Saving in city buildings insurance | 60 |
| Fixed charges on \$1,600 | 128 |
| Total | \$5,188 |

| Estimated Expenditure. | |
|--------------------------|----------------|
| Fixed charges | \$1,400 |
| Extra fuel | 700 |
| Extra fireman (3 months) | 200 |
| Total | \$2,300 |
| Net profit | \$2,888 |

The figures, Prof. Gill said, show that it would be profitable to install a central heating system and provide for future growth. With the boilers now at the power plant sufficient steam could be supplied to bring in a gross revenue of \$5,000 to \$10,000. Ald. Elliott remarked that as the present council was ending its year of service the report would have to be referred to next year's committee on Light, Heat and Power for consideration. It would be impossible for the council now to take up the details, but he thought it might like to hear a few words from Prof. Gill, who had prepared the report.

Prof. Gill in addressing the council said that central heating plants had proved to be profitable. Even in the state of Pennsylvania, where coal is very cheap there are sixty-nine cities which have central heating plants, and there are only eighty-two cities in the whole state. He knew of one city of 18,000 which was making a profit of \$35,000 a year out of a central heating plant. His figures with regard to Kingston were very conservative. He was sure that a larger profit would be made than he had estimated.

The makers of Imperial Brand underwear pay out \$70,000 yearly in wages, which goes back into the hands of the Kingston merchants.



KNITTED GARMENTS THE FAD FOR MOTOR WEAR.

All the pretty girls of the smart set wore at the aviation contest in New York the last week in October, jaunty knitted coats, with caps to match, and very charming were these informal-looking coats and caps against the out-of-door background. Knitted motor wear has become the fashion since the French race meets in Brittany this past summer, and though, of course, the knitted coats are not worn in town, out in the country they are highly fancied. This well-fitting coat is of white worsted, and the white cap has a becoming border of red. Beneath the knitted motor coat is a smart little frock of brown mohair, with red silk embroideries on the bodice, and wide red leather belt.

IT WAS A CANARD.

Story That Bridge Had to be Abandoned.

Saskatoon, Dec. 20.—The report from Prince Albert that the bridge over the Saskatchewan River on the government Hudson Bay Railroad at the Pas has been abandoned by the contractors, owing to their inability to find a solid bottom, has been branded as a canard of the worst sort. An excellent bottom has been struck at less than fifty feet, and the work is progressing satisfactorily. It is stated here that the yarn was started by parties in Prince Albert whose interests would be furthered by a delay of the work.

PHONOGRAPH PLAYS DIRGE.

Record Provides the Only Music at Funeral.

Lexington, Ky., Dec. 20.—Phonographic music supplanted the usual singers at the funeral here of Mrs. Byron McClelland, widow of a widely known turkman and one of the wealthiest women in the south. While on her death bed Mrs. McClelland heard a phonographic record of sacred music by a quartette of noted singers and she immediately requested that the machine be used at her funeral. The phonograph furnished the only music at the service.

THE WHIG'S JUMBLE.

A Lot of News of Interest to Everybody.

"Shop early and late" at Gibson's. Fancy vests at Hunt's, Brock street. Woman's attempt to look pretty is a vain effort. A good Bissell carpet sweeper for \$2.50, at Simmons Bros'. A conceited man can't understand why he has enemies. "Order" Huyler's or McConkey's." Phone 230, Gibson's. Among others, the county recorder is a man of deeds. "High class perfume," Gibson's. Don't expect a satisfactory job when you employ a cheap man. Imperial Brand underwear makes a splendid Christmas present. The dependent man has to seek; the independent man is sought. "Phone 230" for Huyler's and McConkey's sweats. Gibson's. Frequently a thief steals such a small sum that he is sent to jail. For mufflers, try Hunt's, Brock St. No man is so great that he can afford to ignore even the smallest men. Imperial brand underwear for sale at all dealers. Even a close-mouthed man has to open up when he gets in a dentist's chair. Magazines bound in volumes. Any kind of binding desired at the Whig Office bindery. Some people go in for the simple life because of the notoriety it brings them. "The standard of quality" in high-class sweats, McConkey's and Huyler's, from Gibson's. Simply having your name on the church roster does not carry proof with it that you are a Christian. Ledgers, cash books, or any kind of blank books made at the Whig Office book bindery. Perhaps the straight and narrow path might be more popular if made wide enough for gasoline joy buggies. "Every lady in Kingston" knows Huyler's and McConkey's sweats are the standard of quality. Sold only at Gibson's. A short purse and a long face, go hand in hand, according to a philosopher who is not afraid of mixing his metaphors. Your name nicely printed on your purse in gold or on any kind of leather goods at the Whig Office book bindery. Don't think of sending candy at Christmas unless it's Huyler's or McConkey's, the standard of quality. Sold only at Gibson's. The cares that fret and bother us in the rain, to-day, may look insignificant and trivial in the sunshine to-morrow. "Just as easy" to order Huyler's or McConkey's sweats by phone. Ring 230, Gibson's. You will be surprised if you make an honest attempt to enumerate the things for which you can be truly thankful. A splendid suit or overcoat made to order for \$18, at Prevost's, Brock street. All new goods to choose from. Also a splendid stock of ready-made clothing.

OVER ON THIS SIDE

THE BOYS MAKE FORTUNES IN THE NORTH-WEST.

Adventurous Lads Heed Tales of Wealth to be Had in Canada and Reap Harvest.

Bellingham, Wash., Dec. 20.—From the daily grind of a telegraph operator on the Northern Pacific railroad at \$65 a month to a mine owner, possessed of a fortune, is the experience of Samuel J. Dobie. Fred. D. Trunkey, of No. 911 Dupont street, in this city, his partner, is also started on the road to fortune. Trunkey returned to Bellingham from the Porcupine gold fields in Northwestern Canada a few days ago, after eleven months of toil and danger. He was one of the first to enter the fields and staked out several claims, in the gold, silver and iron mining districts. The fortunes of Trunkey and Dobie came about as the result of the latter's association with railroad men. Meeting employees of the Canadian Pacific who had worked through from the east, he heard many tales of the richness of the country north of Ontario. Dobie at first thought these stories were the result of an overheated imagination. One day he decided to take a chance at the new region of which he had heard so much and he accordingly saved up enough money, went east and started into the interior from Cobalt. There he discovered some silver ore. He staked a claim and sold it for \$35,000. This gave him his start.

He heard the tales of the new Porcupine country. Unable for business reasons to undertake the journey he remembered his partner in Bellingham. Hence it was that last September he wrote Trunkey to come east. Trunkey went. Now he is in possession of \$37,000.

Woman Swallows a Diamond.

Pittsburg, Dec. 20.—Mrs. Joseph Sullivan, of the north side, made a characteristic feminine attempt to mend one of her earrings, each of which contains a diamond weighing more than a carat. She noticed that the setting of one diamond was loose and tried to tighten the setting by biting it. The stone was dislodged. Mrs. Sullivan gasped and swallowed the diamond. Physicians were summoned.

14th Regt. Christmas Souvenir.

The historical booklet of the 14th Regiment, of Kingston, makes a Christmas souvenir that would be appreciated by former members and friends of the regiment who are living elsewhere. The publishers have 500 copies on hand and offer them for sale at ten cents each. The booklet may be had at the Whig office business counter and McAuley's bookstore.

Six Months for Horse Thief.

Napanee, Ont., Dec. 20.—William Bowen, a resident of Kingston, who hired a livery horse and drove to Belleville and sold it, pleaded guilty on a charge of horse stealing. He was sentenced to six months in Central prison.

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Huyler's and McConkey's high-class sweats from Gibson's.

For gloves, try Hunt's, Brock street.

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