

CHEMICAL RESOURCES.

Manufacturers Employing Skilled Chemists—Prof. Lang's Address Before Society for Chemical Industry.

At a recent meeting of the Society of Chemical Industry, Canadian section, the Chairman, Prof. W. H. Lang, delivered an address on "The Chemical Industries of the Dominion of Canada." The subjects taken up were the iron and steel industries, leather and tanning, the extraction and refining of metals, sulphuric acid, acetic acid, and alcohol, salts, explosives, refined chemicals and other fertilizers, coal-tar and asphalt, calcium carbide, carbon dioxide and graphite, cement and plaster, beet sugar, natural gas and petroleum, pulp, paper and asbestos. The lecturer reviewed the progress in the development of these industries during the past decade, making comparisons between their position now and then. The steel and sugar industries were given special attention, being, among others, those which are developing most rapidly to the natural mineral and vegetable resources, and to the widely scattered water power of the Dominion.

In conclusion, Prof. Lang said: "The attitude of our manufacturers towards chemical resources of late years has been extremely favorable, and many have seen it to be to their advantage to employ chemists trained in our universities and colleges to investigate the processes and material employed in their particular industries. So far, their employment has been amply justified by the results, and it is to be hoped that more may be brought to see the profit to be gained by adopting scientific methods of work. The university man, who has specialized in chemistry, can assist the manufacturer in this by bringing to bear on the rationale of the technical processes the general scientific knowledge which he has gained during his college course, and his experience in methods of research and manipulation. He can thus materially benefit his employer, by improving the quality of his products, or enabling him to turn out his goods at a cheaper rate. Let the manufacturer, be he dyer, tanner, pulp-maker or iron-master, indicate only that he is willing to find employment for men educated in the higher branches of scientific work, and the universities of the Dominion will supply them. Where chemical processes are used it is essential for the prosperity of this country that all the available scientific knowledge should be brought to bear on them in order that they may continue to improve, and to develop even more than they have done in the past decade. Canada, with its immense natural resources and its water power, should, in time and with proper management and assistance in the lines indicated, become one of the largest producers of the world's supplies."

Niagara v. Zambesi.

Within a very few weeks the Cape-to-Cairo Railway will have reached the great falls of the Zambesi, says The Tablet. In some respects these tremendous falls quite throw Niagara into the shade. The Victoria Falls are double the width and more than twice the height of the Niagara Falls, as will be seen in the following table:

	Width.	Height.	Estimated
Niagara Falls	1 mile	155 to 167 ft.	1,500,000
Victoria Falls	1 1/2 miles	100 to 120 ft.	3,500,000

It was one of the favorite projects of Cecil Rhodes to utilize the power which here been running to waste for years for the good of all Rhodesia. At the present moment plans are being prepared in an office in London which are likely to go far towards converting Rhodes' dreams into reality. A concession company is at this moment preparing to utilize the power from the Victoria Falls for working railways, lighting towns—including Bulawayo—240 miles away—supplying currents to the mines in northern and southern Rhodesia and other purposes. A writer in The Westminster Gazette states that in the opinion of Mr. Francis Fox any amount of power required could be obtained, and that an available head of at least 250 feet could be utilized. Each pipe or tube eight feet in diameter would drive a turbine and generator necessary for 5,000 horse-power, and Mr. Fox thinks it will be found desirable to lay down the plant in units of this magnitude. The question of voltage is not yet determined, but there will be no difficulty in distributing current over an area of 300 miles. At the present time transmission is being successfully carried on over nearly 800 miles in California, and by the use of very high voltage the distance may be increased even further.

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HIS PRIZE ROSES.

A Little Secret That Was Confided to the Wrong Man.

An amusing incident is reported in connection with a small flower show in the north of England. One of the classes—cut roses—was open only to cottage gardeners within a certain radius, and the winner turned up in a laborer whom we will call Sandy. The lucky individual was in high feather and hung about near his exhibit all the afternoon receiving the congratulations of his friends.

"Beautiful roses," remarked a well-dressed stranger to Sandy. "They tell me, however, that if Briggs had been qualified to enter he would have beaten you."

Now, Briggs was the best grower par excellence in the neighborhood; but, unfortunately for him, he was just outside the radius.

"Briggs he he he!" ejaculated Sandy. "He ain't got no better roses than them."

"That's nonsense," retorted the stranger. "Briggs' roses are the talk of the district."

Sandy still stuck to his point and he came out with a confident "Between you and me," he whispered eventually. "Briggs ain't got no better roses than them, 'cos them's his! He couldn't enter himself, so he gave me the pick of his garden."

The stranger was satisfied, and it was only afterward that Sandy discovered to his cost that he had confided his secret to a member of the show committee—London Tit-Bits.

A Woodland Echo.

As became the little man having the time of his life in the primeval forests of the Tennessee province in Canada, the clerk of the New York court of special sessions was graciously inclined to instruct the worker in camp. These, says the New York Tribune, were two young, unknown men who, with a canoe and a camping outfit, were like-seeking backwood experience.

He came upon one of them taking bread in a portable aluminium oven before a smoldering log fire.

"Ah," said the clerk, assuming a refining position of graceful ease, "baking bread, I see."

"Yes. It doesn't come up for a cent,"

"You see," continued the clerk, with rising wisdom, "the baking powder, which contains cream of tartar, liberates when heated a certain amount of carbonic acid gas, which—"

"Oh, don't talk shop!" interrupted the cook. "I hate it out here!"

"Oh, you do?" the clerk observed, astonished. "What business are you in, may I ask?"

"I'm an assistant professor of chemistry at Yale."

Throwing Rice at Weddings.

Like roast pig, the origin of throwing rice at weddings is Chinese, and the legend is scarcely less worthy of Charles Lamb: "A famous sorcerer named Chao became jealous of the power of another sorcerer, a woman, and, conceiving a plan to destroy her, he persuaded her parents to bestow her upon his supposed son. The crafty Chao chose the most unlucky day for the wedding, the day when the 'Golden Pheasant' was in the ascendant, so that when the bride entered the door the spirit bird would destroy her with its powerful beak. But Peachblossom gave directions to have rice thrown out at the door, and she passed out unharmed while the spirit bird was devouring it."

Crushing a Bone.

John G. Whittier, the Quaker poet, once in describing the usages of the Quakers in regard to "speaking in meetings" said that sometimes the voluntary remarks were not quite to the edification of the meeting. It once happened that a certain George C. drew rather wearisome in his observations, and his prudent brethren, after solemn consultation, passed the following resolution: "It is the sense of this meeting that George C. be advised to remain silent until such time as the Lord shall speak through him more to our satisfaction and profit."

The Throat and Tonsils.

A simple gargle for a sore throat may be made by adding fifteen drops of refined carbolic acid to a quart of water. Remember to shake thoroughly before using—otherwise it will be useless—and gargle four or five times a day. In case of swollen tonsils a tea spoonful of powdered tannin dissolved in a tumbler of water forms an excellent gargle, which should be used every two hours. A gargle of permanganate of potash, not too strong, is also excellent for use in cases of mild sore throat.

In Society.

Bella—I certainly think you deserve great credit for your kindness to your mother.

Mildred—Oh, it's only natural.

Bella—I don't know. It isn't every daughter that invites her mother to her sweetest dinner parties, as you do.

Out of the Heart's Bitterness.

Blobs—Scribbler has had no less than nine plays rejected.

Blobs—What is he doing now?

Blobs—Writing essays on the decline of the drama.

Modest.

The Landlady—Which part of the chicken do you prefer, Mr. Lanks?

The Boarder—Either half will do, thank you, Mrs. Hungerford.

It is not what he has or even what he does which expresses the worth of a man, but what he is.—Amiel.

Polliteness is a locksmith and opens many difficult doors.—Schoonmaster.

SON OF HON. J. I. FELLOWS MARRIED.

Ernest Garfield Fellow's son of the late Hon. J. I. Fellows, and Miss Margaret Hamilton Wells, daughter of Sir Frederick Wells, of North Bristol, were married in Kensington (Eng.), on June 11, by Rev. C. I. Atherton, of Exeter Cathedral, assisted by Rev. E. J. Kennedy of St. John's, Boscombe. The bride was attended by ten bridesmaids. Among the guests were Hon. Charles Duff Miller, agent-general for New Brunswick in England and Mrs. Miller.

A man who answered advertisements in cheap story papers has had some interesting experiences says an exchange. He learned that by sending \$1 to a Yankee he could get a cure for drunkenness. Sure enough he did. It was to take the pledge and keep it. Later on he sent 50 2-cent stamps to find out how to raise things successfully. He found out—just take hold of the tops and pull. Being young he wished to marry and sent 34 1-cent stamps to a Chicago firm for information as to how to make an impression. When the answer came it read, Sit down on a pan of dough. It was a little rough but he was a patient man and thought he would yet succeed. Next advertisement he answered read, How to double your money in six months. He was told to convert his money into bills fold them and he would see his money doubled. Next he sent for twelve useful household articles and he got a package of needles. He was slow to learn, so he sent \$1 to find out how to get rich. Work like the devil and never spend a cent. And that stopped him, but his brother wrote to find out how to write a letter without pen or ink. He was told to use a lead pencil. He paid \$1 to learn how to live without work and was told on a postal to fish for suckers as we do.

KENDRICK'S LINIMENT never disappoints.—Beware of cheap imitations at cheap prices.

Young Dr. Flegeling doesn't seem very certain of himself.

Why, no. I think he feels like calling a consultation every time he has to make a diagnosis.

That's rather a sizable boss you're drivin', said the man from Tennessee.

Yes, he is right smart of a critter, replied the man from Georgia.

I guess, said the naturally weary young man, I was meant to be a millionaire, but started on a line where they don't give transfers.

Mrs. Brown—So you were out again last night, eh?

Brown—No; I was in, and I'll give you \$10 for your share.

But we haven't a cockroach in the house, interrupted the woman at the door.

Well, you will have in a few days ma'am. They've got them next door to you. I sold a package of this preparation there, and it always drives 'em to neighbors.

Fanny—Tell me candidly. Charlie don't you begin to feel sorry that you gave up your old life of freedom?

Charlie—Not a bit of it. I find married life so delightful that if anything were to happen to you I'd get married again inside of a month.

Perhaps ventured the unsuccessful contributor, you didn't consider my little ode true to life.

Oh, it was true enough, replied the editor. I assure you there was more truth than poetry in what you said.

What is known as goose flesh usually results from a low condition of the system and is really a slight chill. If you have such attacks often it would be wise for you to consult a physician.



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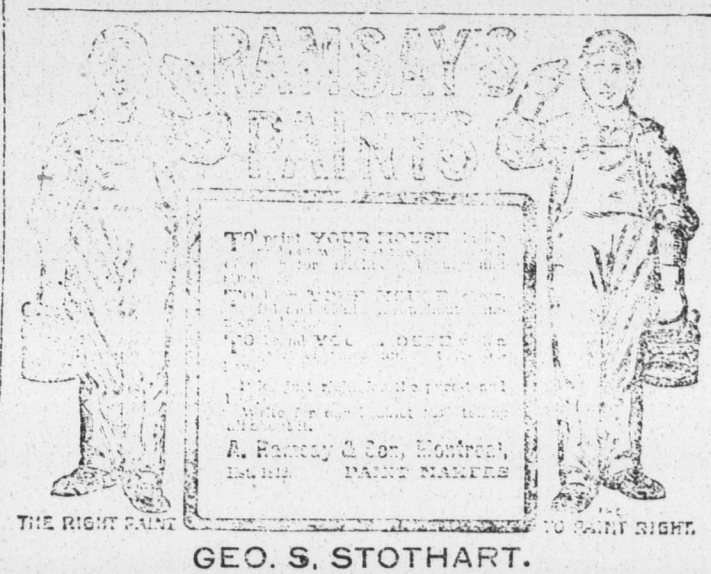
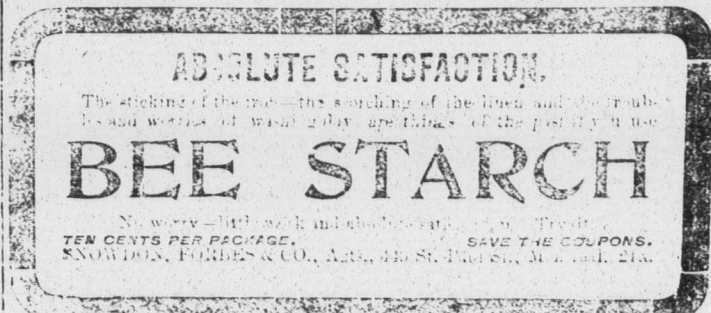
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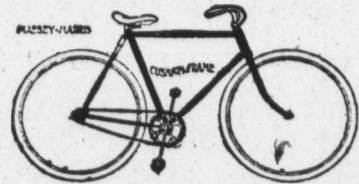
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