SOME MONEY-MAKING RAYS

HOW DISCOVERIES ARE APPLIED TO COMMERCE.

Uses of X-rays in the Pearl Fishery—Radium-rays for Medical Purposes.

Learned men and women are so busy trying to make startling finds in the various paths of scientific knowledge that the average person is showing signs of weariness at being asked to follow them so rapidly.

It seems but yesterday that the great Finsen light came into prominence, followed by Rontgen's great discovery of the X-rays, which in its turn was supplanted by the Curies' discovery of radium, to be followed again by the finding, by Professor Blondlot, of other hidden rays. The latter discovery, which is the last of the family, brought into being the rays that are now called the N-rays; but there appears to be some doubt as to whether these are well authenticated.

All those finds are extremely interesting, because of the fact that each apparently has its own mission to perform in the world of commerce, of science, and of medicine. What mission in particular each may have is now being tested and found out by the savants of every branch of science all over the world.

THEIR COMMERCIAL USES.

The practical person might ask: But what is the practical use of all these wonderful scientific "finds"?

They come in here. The discovery of the X-rays, for instance, is one of the oldest, and scientists have been experimenting with it longer than with anything else of the same nature. Apart from the medical uses of the X-rays—and there is no question that in the practice of medicine and surgery hundreds of lives have already been saved and deathbed miracles performed by the X-rays—Rontgen's "find" is already being made useful in the world of commerce, where everything is positive and matter of fact.

Take the pearl industry. A new application of the X-rays has been discovered by Professor Raphael Dubois, of Lyons. In the pearl-fisheries there takes place every year a wholesale destruction of oysters and incipient pearls. To ascertain the size of a pearl it was necessary, of course, to open every oyster. The death of the oyster naturally followed, and—as in nine cases out of ten the pearl was too small, or was only in the incipient stages of formation—both the oyster and the pearl had to be thrown away. Thousands of pearls have thus been lost in that way, and they might have been saved if the fishermen could only have had some means of examing an oyster

BEFORE OPENING IT.

We write the above paragraph in the past tense for a very good reason. As a matter of fact, the custom of opening every oyster, just to see what sort of a pearl is nestling within the shell, is carried on at every pearl-fishery. In a short while, however, the new system will be coming in; and this consists of examination by the help of the X-rays, and by them it will be possible to tell the size of the precious pearl without opening, and thus killing the valuable crustacean. If the rays discover that the treasure within the shell is yet only half grown, the living oyster will be replaced in its lodgings by the sea, and left till its hidden treasure has grown to its proper size.

This must mean more pearls than usual being placed on the market, and their price will come down, and probably no more "corners" in pearls will be heard of.

Now, what is possible for the X-rays to do is possible for any other kind of rays already discovered, or on the eve of discovery. For a while they will be the property of the scientists, and they will have only a scientific value on the account; but it is clear that sooner or later other rays will be found to possess perhaps an even greater commercial value than the X-rays.

X-RAYS AS DETECTIVES.

Telling criminals by their thumb-marks is an especially valuable adjunct to the detection of crime, but Bertolet's happy discovery is some what scientifically lessened in importance by the fact that the X-rays are now frequently employed by the minions of the law in their hunt for evildoers. Germany is first in the field with that bright idea.

To avoid detection, thieves all over the world, it is well known, think little of swallowing precious stones, the more artful being able to retain them in the larynx. A well-dressed man, according to a Kieff journal, was arrested in that city the other day for personal incapableness; but it turned out that he had been drugged, rendered insensible, and then robbed.

The German police were soon on the track of the suspected thieves, and five men were arrested the same afternoon. Nearly £100 was found upon them, and by means of the X-rays the best part of the balance was found. The latter treasure consisted of diamonds, which the thieves had swallowed just before their capture.

Another scientist, named Becquerel, has recently discovered certain rays strong enough to be used in the process of letter-copying. The discovery has leapt into commercial value at once. In the aggregate, thousands of valuable business hours are spent by every business house in the process of copying letters. It is a long and tedious process, as every junior clerk knows; but with the Becquerel rays in use the process is expedited, and is much cleaner, whilst there is no fear of a bad copy being taken. These rays are able to photograph letters in the fraction of a second, and nothing more need be done. The X-rays have been applied to the same purpose in insurance offices.

RADIUM TO THE FORE.

It is only a question of time as to whether the N-rays will be fathered upon commerce in the same way as the others, if we admit the fact of their discovery. Radium-rays, however, seem to be more adapted for medical purposes. It is devoutly hoped by many a medical man in this country that that may prove the panacea for two of the greatest scourges that afflict humanity. That they have already done some good in cancer is reported from more than one hospital; whilst in a certain painful nasal disease radium-rays have effected a surprising cure. No one can say with any certainty, however, whether cures by radium are lasting. At the best, they are only successful experiments; but the belief is universal that they will be lasting remedies.—London Answers.

FARMER GIVES THE REASON WHY

HE PINS HIS FAITH TO DODD'S KIDNEY PILLS.

They Made Him Strong and Well After Years of Intense Suffering From Lumbago and Other Kidney Troubles.

North Pelham, Ont., May 16.—(Special)—Mr. Joseph L. Thomas, a substantial farmer of Pelham Township, well known and highly respected throughout this neighborhood, has joined the ranks of the great army of Canadians who pin their faith to Dodd's Kidney Pills. Mr. Thomas gives his reasons for doing so as follows:

"For several years I was sorely afflicted with Kidney Trouble, having many of its worst symptoms in an aggravated degree. I had Lumbago, and was in such a condition that I was unfit for anything for weeks at a time.

"Insomnia resulted and I was an intense sufferer. I had almost perpetual headache and grew thin in flesh.

"I had been treated by a doctor without good results, so upon the recommendation of a cousin, who had been saved from a life of misery by Dodd's Kidney Pills, I began taking them.

"The first box gave me decided benefit and after taking five boxes the old trouble was a thing of the past and I was again in every way strong and well."

Ask those who have used them if they ever heard of a case of Kidney Disease Dodd's Kidney Pills would not cure.

"You have not kissed me," she pouted, "for fifteen minutes." "I know it," he said. "I have a very sensitive tooth, which is liable to ache if I do." "What do you mean, sir?" "Why, you are so sweet, you know!"

Beware of Ointments for Catarrh that Contain Mercury.

as mercury will surely destroy the sense of smell and completely derange the whole system when entering it through the mucous surfaces. Such articles should never be used except on prescriptions from reputable physicians, as the damage they will do is ten fold to the good you can possibly derive from them. Hall's Catarrh Cure, manufactured by F. J. Cheney & Co., Toledo, O., contains no mercury, and is taken internally, acting directly upon the blood and mucous surfaces of the system. In buying Hall's Catarrh Cure be sure you get the genuine. It is taken internally and made in Toledo, Ohio, by F. J. Cheney & Co. Testimonials free.

Sold by Druggists. Price, 75c per bottle.

Take Hall's Family Pills for constipation.

Miss Sharpe—"Believe in vegetarianism? Why, I love good beef!" Cholly—"I wish I were beef, you know!" Miss Sharpe—"Never mind. Calves grow you know."

Minard's Liniment Cures Dandruff.

"And so you left your last place through having had words with your mistress?" "Well, mum, not words, mum—not adzactly what you might call words, mum. I only spoke to her same as one lady might to another."

It is so Easy

To Cure You Now That We Have Learned How. Relief In 30 Minutes.

For years the author of Dr. Agnew's Heart Cure has believed that the health of the heart is almost entirely responsible for the health of the nerves and stomach and now it can be proven. Dr. Agnew's Heart Cure will relieve heart disease in 30 minutes and cure it. It feeds the nerves through the heart by giving the heart the necessary power to pump rich blood to the nerve centres, when stomach disorders and nervousness disappear as by magic. One dose will convince. 29

Dr. Agnew's Liver Pills. 40 doses 10 Cents.

"Pure soap!" You've heard the words. In Sunlight Soap you have the fact.

SUNLIGHT SOAP REDUCES EXPENSE

Ask for the Octagon Bar.

MARRIED TO GET A LEGACY.

A curious wedding has taken place in the little town of Kalberge, in Germany. The husband was an inmate of the prison of that town, and the bride an unusually pretty girl, who lives with her parents at Berlin. After the ceremony the husband returned to prison; he has still two years to serve unless he is pardoned. They married in order not to forfeit a considerable legacy.

THE AGE OF CHAIRS.

Chairs were in use in Egypt so long ago as 3399 B.C. The Chinese employed them from about 1300 B. C. In India they were used, and are mentioned as dating from 1100 B.C. House chairs with backs were in use in India A.D. 300. They are known to have been employed in Rome so early as A. D. 70, being mentioned by Pliny at that date. Chairs with foot rests were used in Rome A.D. 150.

After saving up money for a rainy day many a man blows it in some night.

"Well, now that you are married do you find life a grand, sweet song?" "Oh, no! The first thing I did after we got back from our honeymoon was to hide my wife's music."

A Sour Stomach and a Sour Temper travel hand-in-hand and are the precursors of mental and physical wreck. Nine hundred and ninety-nine times in a thousand food ferment (indigestion) is the cause. Dr. Von Stan's Pineapple Tablets keep the stomach sweet—aid digestion—keep the nerve centres well balanced—they're nature's panacea—pleasant and harmless. 35 cents.—88

"Will you love me when I'm old?'-she whispered. "We'll wait till you are old," he said, practically. "It's as much as I can attend to just now to love you when you're young."

Minard's Liniment Cures Burns, etc.

Head of the Bureau—"I suppose you know something of the duties of the office?" Applicant—"Oh, yes. They are to come late, go home early, and do as little as possible while you are here." Head of Bureau—"Quite satisfactory; you must have held public office before."

Have You a Skin Disease?—Tetter, Salt Rheum, Scald Head, Ringworm, Eczema, Itch, Barber's Itch, Ulcers, Blotches, Chronic Erysipelas, Liver Spots, Prurigo, Psoriasis, or other eruptions of the skin—what Dr. Agnew's Ointment has done for others it can do for you—cure you. One application gives relief.—35 cents.—87

Ted—"She cuts rather an odd figure." Ned—No wonder! Her gown cost nine dollars ninety-eight, her hat two dollars forty-nine, and her shoes one dollar seventy-four."

For Over Sixty Years

MRS. WINSLOW'S SOOTHING SYRUP has been used by millions of mothers for their children while teething. It soothes the child, softens the gums, allays pain, cures wind colic, regulates the stomach and bowels, and is the best remedy for Diarrhœa. Twenty-five cents a bottle Sold by druggists throughout the world. Be sure and ask for "MRS. WINSLOW'S SOOTHING SYRUP." 22—04

INTERPRETED WEDDING.

A curious wedding took place the other day in a church in Glasgow. The bride and bridegroom were Poles and could not speak English, while the clergyman did not understand their language. The ceremony was, however, successfully carried through by the aid of an interpreter.

Port Mulgrave, June 5, 1897.

C. C. RICHARDS & CO.

Dear Sirs,—MINARD'S LINIMENT is my remedy for colds, etc. It is the best liniment I have ever used.

MRS. JOSIAH HART.

MAKING IT CLEAR.

"George!"

"What?"

"George!"

"Oh, what do you want?"

"George, you don't love me any more."

"O, of course I do. Let me alone, I'm reading the paper."

"George, if you do love me as you used, why don't you tell me so?"

"Deuce take it all! I love you, love you, love you, love you, love you, love you, love you, you, you, you, you, you, you, you! Now, for heaven's sake shut up and let me read."

Comprehend facts—
not advertisements.
The popularity of Blue Ribbon Tea
is a fact.

Potatoes, Poultry, Eggs, Butter, Apples

Let us have your consignment of any of these articles and we will get you good prices.

THE DAWSON COMMISSION CO, Limited

Cor. West Market and Colborne Sts, TORONTO.

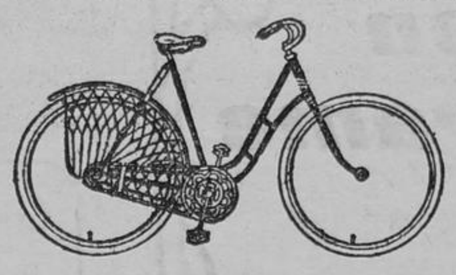
WORD MAKING.

$10 in one prize for the greatest number of words.
$10 in two five dollar prizes for the next longest lists.
$10 in five two dollar prizes for the smaller lists.

We will pay these prizes for the best lists of English words made out of the three words:

"MASSEY - HARRIS WHEELS."

Letters to be used in answers only as many times as they appear in the above words. Competition closes May 30th. Send in your list to-day.



NOTE.

The Massey-Harris is fitted with the cushion frame and Morrow coaster brake—the two improvements that have made bicycling so famously popular.

Write for our new "Silver Ribbon" Booklet.

ADDRESS, DEPARTMENT "A"

CANADA CYCLE & MOTOR CO., Limited, Toronto Junction.

Corseta—"I wish there was some way to make him stop buying expensive presents." Mae—"You might marry him."

Minard's Liniment Relieves Neuralgia

There are only two kinds of children—your own perfect little cherubs and the ill-behaved brats owned by other people.

Dropsy is one Positive Sign of Kidney Disease.—Have you any of these unmistakable signs? Puffiness under the eyes? Swollen limbs? Smothering feeling? Change of the character of the urine? Exhaustion after least exertion? If you have there's dropsical tendency and you shouldn't delay an hour in putting yourself under the great South American Kidney Cure.—86

Clara—"Oh, hum! I wish Providence had made me a man!" Mother—"Perhaps he has, dear; only you haven't found him yet."

Minard's Liniment for sale everywhere

The theory that boys are descended from monkeys has received an ugly setback. A Philadelphia gentleman possesses a monkey who washes himself with soap and water.

Lifebuoy Soap—disinfectant — is strongly recommended by the medical profession as a safeguard against infectious diseases.

A man who is fearless is never a liar.

WORLD'S FAIR, ST. LOUIS, MO.

From April 25th to Dec. 1st, inclusive, the Wabash Railroad will sell round trip tickets to the Great World's Fair, St. Louis, at the lowest one-way first-class fare, good for fifteen days, fare and a third; good for thirty days, good either via Wabash direct line or via Chicago, with stop over privileges. Canadians going to this, the greatest of all Expositions, should remember the great Wabash line is the shortest, quickest and best route. The only line that owns and controls its own rails direct to the World's Fair gates. For time-tables and descriptive World's Fair folder, address any ticket agent, or J. A. Richardson, District Passenger Agent, North-east corner King and Yonge Streets, Toronto.

No girl is willing to believe that marriage is a failure from hearsay.

If a man's mother-in-law acts up it is usually his own fault.

Do you catch cold easily? Does the cold hang on? Try

Shiloh's Consumption Cure The Lung Tonic

It cures the most stubborn kind of coughs and colds. If it doesn't cure you, your money will be refunded.

Prices: 25c. 50c. $1 S. C. WELLS & Co. LeRoy, N.Y., Toronto, Can. 303

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An admirable Food of the

EPPS'S COCOA

Finest quality and flavour.

Nutritious and Economical.

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YOUR OVERCOATS

and faded Suits would look better dyed. If no agent of ours in your town, write direct Montreal, Box 158

BRITISH AMERICAN DYEING CO. MONTREAL.

AUTOMOBILE UNDERWRITERS

The Winton Touring Car is appreciated by the best informed because built on correct mechanical principles, of highest grade materials. As a prospective automobile purchaser you dare not, in full justice to yourself, take chances on an inferior car. By presenting a car of such imperial merit as is the 1904 Winton, we become "automobile underwriters"—insuring you against risk or loss. Have you seen our new catalog?

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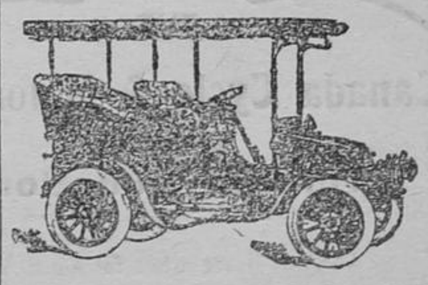

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