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### ELECTRICAL METHOD OF PURIFYING WATER

TORONTO'S ATTENTION HEREWITH DIRECTED TO INTERESTING EXPERIMENTS AT PITTSBURG.

was recently attracted by the interest- of 25 cents. No attendance is required ing experiments being made for the beyond an occasional visit from the purification of water by the electric engineer in charge of the hospital quiries made by The World an invita- self-operative when once put in opera-

the new method in operation. American Society of Civil Engineers, lows: conducted an investigation in refer- Atmospheric air, after being passed the jam in front of them. ence to the electrical production of through a drier, is ozoned by its pas- The champion harness horse did atmospheric products from the lines sage through the Gerard apparatus; not come up to the expectations. At followed by Dr. Leon Girard, the Bel- it is then mixed with the water to be that, he did better than horsemen

casional visit from the engineer in clear and sparkling. charge of the hospital power plant.

Pittsburg Homoeopathic Hospital, ments, bandages, etc. Experiments from all over the state of Michigan, writes The World

by Westinghouse, Church, Kerr & Co., wards, where it seems to have a bene- be packed every hotel and downafter the patent of Dr. Girard, is ficial effect upon the patients, making town rooming and cating house. the first one built in America.

her of bacteriological tests. The report to-day of 80 tests made yesterday is very gratifying."

writes The World's

before your city authorities, we would | ried by a single one if desired.

prohibitive, being somewhata less than out into the centre of the plant. slow sand filtration. The operating In starting up the plant the motor- This did not look much like a cost is also somewhat less than slow generator set is first thrown in and "go" to the race-wise folks. Dan sand filtration. You will be interested the switch on the low-tension side of was not going faster than a 2.15 to know that we have analysis made the transformers closed; the water clip when the watches snapped. The by eminent bacteriologists of official valve is then opened at the injectors, front runner was hooked to a cart standing in which they conclude their which starts the suction of air through under which is the dirt and wind report by saying, 'the ozonized waters | the ozonizers. The water is allowed | shield. Dan goes close behind him.

are virtually sterile." cer, was interviewed by The World at | it is turned off into the mixing tower. | in front to make the pace right. the City Hall. He stated that he had Should, by any chance, the power noticed the efforts which were being supply become interrupted, an automade to purify water by the ozone matic switch at once operates the The runners stretched out and

the following interesting account of starting end regulating rheostats. expert to look into the operation.

tion System," says:

"At the present time considerable in- struction of all pathogenic germs. terest is being manifested in the purl- The action of the ozone upon the fication of the water supply of some bacteria and carbonaceous matter is of the larger cities throughout the unique. Unlike that of boiling water, United States, and for this purpose a it is stated not only to kill the germs, number of expensive filtration plants but actually to remove them, passing have been installed of quite elaborate them off in the form of carbonic acid design. Under the best conditions gas. Again, ozonized water differs such plants only remove the silt and from stilled water in that it has not coarser material held in suspension, the charactertistic flat taste of the late all in, so if Hersey had taken him and allow a large percentage of the ter, but is decidedly pleasant and is away faster he might have cut a small and harmful bacteria to pass. not robbed of any of the beneficial second or more from the mark he Any process, therefore, which will salts, etc., so frequently found. effectually and economically sterilize The lower forms of animal organism, fast. Few in the vast crowd had water will be of timely interest and of which are the disease-bearing germs, seen anything to equal it, and nogreat commercial value.

a most powerful sterilizing agent, and remove the non-pathogenic germs, it is a most powerful sterilizing agent, and remove the non-pathogenic germs, it is ing too much of the clock at 1.55. Later in pointed to solicit new membership. processes involving its use for the simply a question of supplying a hands of the clock at 1.55. Later in pointed to solicit new membership. purification of water have been in larger volume of ozone. It has been the season Dan Patch may do it, but continuous operation on the continent found that this is usually not only this was the first attempt. for the past nine or ten years with unnecessary, but undesirable. very satisfactory results. However, passing ozone through the most stagthe cost of generating the ozone has nant kind of water it can in a few Lindsay Will Have been large, and the efficiency of the seconds be transformed into the plants so low that its use has been brightest, sparkling water, free from confined to a few isolated instances any discoloration or odor that might where complete sterilization was de- have been originally present. sirable, and, in fact, absolutely neces- The plant is unique in showing the

sary, regardless of cost . In an investigation recently con- number of grammes of ozone produced ducted through Westinghouse, Church, per kw-hour and in the intensity Kerr & Co., by John F. Wallace, past- thereof; it would seem to be the inipresident of the American Society of tial installation of this character and

The attention of the Toronto World | approximate cost for electrical power

As an instance of President Wal- degree of mixing secured by allowing 1.58 3-4 is the fastest ever made lace's report on the adaptation of the the water to flow up through a tower latest electrical discoveries to the in which a number of perforated trays splendid performance with the conproblem of the purification of water, a are arranged one over another. As the special plant has been installed at the water overflows at the top of the tower This plant has a capacity of about ozone is removed, and the pure, steri-250,000 gallons per 24 hours, and is lized water is conveyed to the general pacing fast. now treating 100,000 gallons during distributing tank for use as desired. each ten hour day, at an approximate At first it has a slightly milky appear- traction for the state fair He cost for electricity of 25 cents. No ance, due to the entrained air, but this proved to be a greater one than attendance is required beyond an oc- soon passes away, leaving the water was William Jennings Bryan, two

In answer to a letter of inquiry, Dr. fying water, but is also used in the the multitude any of that silver-F. W. Koons, superintendent of the operating rooms for sterilizing instru- tongued oratory. He drew people are also being tried by introducing it and, in addition 'o his service in "Our ozonizing plant, erected for us in small quantities in some of the swelling the receipts of the society, them more bright and cheerful, stim: , and they talk of the automobile "Our pathologists have taken a num: ulating their appetites and inducing supp anting the horse in the public

Power for operating the exentzers is fancy supplied by a 110-volt single-phase, 60-The engineer who installed the plant eyele generator direct-connected to a "The plant has been in operation six ternating current is led from the Patch earlier than 2 o'clock.

tend an invitation to the proper au- five units, three for the purification gain. thorities of your city, for them to visit of water and two for general purposes this plant. We are in a position to throughout the hospital. Any unit instal this aparatus in units that will can be cut in or out as desired by take care of anything from 50,000 gal- manipulating the disconnecting switlons of water per day up to many ches. Each unit is also mounted on millions, say fifty to a hundred mil- wheels running on rails, so that if it is necessary to make any repairs,

safety and ensures the absolute de- there in 1.29 1-2.

are the first affected and most readily body complained because the last "Ozone has long been recognized as destroyed. If it is also necessary to goal was not reached. It was ask-

highest record yet attained in the

Broadway, New York, through its en- function of the filter beds being to re- the officers will have plenty of mater- employment is not easy to obtain. gineers and general agents, Westing- move sand, silt and other material al to choose from. house, Church, Kerr & Co., has re- held in suspension. The ozone treat- The names of those who were likely tions adopted by the Government cently made an installation of the ment, however, is estimated to treble to play in the game were taken last early this year have had the desired Gerard system at the Homoepathic at least the capacity of filter beds and night, and at the present time fifteen effect of cutting down immigration a capacity of about 250,000 gallons per operation, besides removing absolutely The election of officers was left over the total immigration for the year "Sure. I know a lot of fellows money market is the cause of their a former citizen, has purchased the cause of their a former citizen, has purchased the cause of their a former citizen, has purchased the cause of their a former citizen, has purchased the cause of their a former citizen, has purchased the cause of their a former citizen, has purchased the cause of their a former citizen, has purchased the cause of their a former citizen, has purchased the cause of their a former citizen, has purchased the cause of their a former citizen, has purchased the cause of the cause of their a former citizen, has purchased the cause of the cause o 24 hours, and is now treating 100,000 all disease germs instead of simply a until the next meeting, but a com- will, it is expected, be only a little who would never have married if difficulty, it being impossible to make Frank Forbert stock and will open a little who would never have married if difficulty, it being impossible to make Frank Forbert stock and will open a little who would never have married if difficulty, it being impossible to make Frank Forbert stock and will open a little who would never have married if difficulty, it being impossible to make Frank Forbert stock and will open a little who would never have married if difficulty it being impossible to make Frank Forbert stock and will open a little who would never have married if difficulty it being impossible to make Frank Forbert stock and will open a little who would never have married if difficulty it being impossible to make Frank Forbert stock and will open a little who would never have married if difficulty it being impossible to make Frank Forbert stock and will open a little who would never have married if difficulty it being impossible to make Frank Forbert stock and will open a little who would never have married if difficulty it being impossible to make Frank Forbert stock and will open a little who would never have married if difficulty in the next meeting in the little who would never have married if difficulty in the next meeting in the next gallons during each 10-hour day at an large percentage thereof.

## DAN PATCH

CORDS ON A MICHIGAN TRACK -MAKES A MILE IN 1.58%.

(Detroit Free Press.)

Dan Patch Day at the state fair was an entire success. It drew the biggest crowd that ever assembled at one time in Michigan - more ezone method. As the outcome of in- power plant, so that it is practically than 100,000, made a lot of money tion has been received for the City of tion. The two most significant fea- for the agricultural society, a mod-Toronto to send representatives to see tures of this plant are its low main- est fortune for the owner of the tenance cost and simplicity of opera- horse, and everybody was satisfied President John F. Wallace, of the tion. The process in brief is as fol- excepting those who could not see

purified in an injector and a further believed he would, and his mile in on a Michigan track. It was ditions figured as the handicap they proved to be, and shows that the

Dan Patch was engage'l a san atyears ago Labor Day, and that is Ozone is not only employed for puri- going some, for Dan did not hand

What Dan Patch Did. "That's him," was the word, when 8-h.p. direct-current motor. The al- Harry Hersey came out with Dan or eight weeks, is doing its work ther: switchboard over two 1-k.w. trans: brown stallion looked fine and jogoughly and is practically automatic. formers, with 10,000-secondaries con- ged around the track. Several times "We are very glad to extend to the nected in parallel on high-tension bus- he was brought back after cooling representative of your paper an invi- bars. Disconnecting switches are pro- and given a fast brush through the tation to visit this plant, and if this vided so that the load can be divided stretch, or a comfortable mile, while is not the best way to get this matter between each transformer, or all car- the runners that were to set the pace were galleping along to cart to be very glad indeed to have you ex- The ozoning apparatus is grouped in get ready for their part of the bar-

When all was ready, and the crowd had been shoved, pushed and coaxed back, the Dan Patch trio appeared for the trial. A score or two, with Hersey shaking his head in the negative, and they came "The first cost of installation is not can be entirely disconnected and run down, Hersey nodding and the

to run into the sewer until the action The other runner stays at the side of Dr. Sheard, Medical Health Offi- of the ozone is properly adjusted, when the pacer, and it is up to the man

#### Last Half a Corker.

main water valve, closing it and pre- Dan kept up with them. The pace "It is in operation to some extent venting the unozonized water from for an eighth of a mile was not in Holland," said Dr. Sheard, 'but it flowing into the system. The plant is fast enough. It could not have been is very much in the experimental controlled from a two-panel switch- much better than 16 seconds, if any, board, upon which are mounted the and the announcer said 30 seconds However, The Electrical World gives various indicating instruments and when the golden pole at the quarter was passed. Some caught this a the successful tests at Pittsburg, and | Experience with the Pittsburg water, little slower, and the next a little it might pay the city well to accept as taken from the city mains at the faster, for the half time was given the invitation tendered and send an hospital, has shown that it requires a sone minute. By that time Dan about 1 gramme of ozonized air for Patch was going at a great rate of G. M. Dyott, writing in The Electri- every 200 gallons of water; this a speed and he circled the bend to the cal World, on "Ozone Water Purifica- mount leaves a very fair margin of three quarters at a 1.58 rate, reaching

The pace quickened in the stretch, Drivers were urging the runners and Hersey was shaking the lines. Dan responded nobly and did the last quarter even faster, reaching

The horse was pacing like a machine at the end. He did not seem made. However, 1.58 3-4 is very

## Good Rugby Team

ENTHUSIASTIC MEETING HELD LAST TUESDAY-OVER FIF-TEEN HAVE ALREADY SIGNED.

by considerably over one-half, and sight? mittee composed of McHugh, Conway, over one hundred thousand.

THE FAIR KING

## LANG & MAHER, CLOTHIERS

# INDUCEMENTS

HINTS WORTH READING. To-day everybody will tell you they have the grandest, the nicest, the newest, the best, the cheapest, etc., which makes it difficult for the average buyer to intelligently decide where to buy his Clothing. It behooves every man interested in good clothes to Investigate for himself. If you do this we are right sure that we will do business with you.

Our Inducement is to Offer Our Patrons 10 to 15 per cent. discount on all Suits and Overcoats purchased at the Lindsay Branch for 30 Days commencing Saturday, Sept. 19th.

OU REASON. We want to introduce our make of Clothing into every home in the County of Victoria. We honestiy believe there is no better clothing sold anywhere than the kind we sell.

Just Good Clothes. We Have No Scheme.

#### FACT ONE

143 3336666tt

When we bought our Clothing, Hats and Furnishings we selected from the country's best manufactures. Makers who have a reputation for making the best and then order made for our trade their best productions.



#### FACT TWO

334666tt

After we have secured the best we then place a moderate and conservative price on every article. Nothing that smacks of a fancy figure, but a live and let live price and marked in plain figures.

#### IMPORTANT

Our 10 per cent. Discount applies to all Men's Suits and Overcoats bought during this sale, up to and cluding over reg. \$12 lines

#### NOW!

In view of these Inducements and Facts may we not have the pleasure of seeing you when in need of any article in our line. Investigate and you can easily save your expenses to Lindsay's Central Fair.

#### IMPORTANT

Our 15 per cent. Discoun applies to all Men's Suits, Overcoats bought during this sale over \$12 lines.

## LANG & MAHER,

"CLOTHIERS AND FURNISHERS TO MEN WHO KNOW."

409-411 George-st., Peterboro.

East of Benson House, Lindsay.

Several other matters were discussed and the meeting adjourned. The next meeting, at which the officers of the club will be elected, will be held in the Simpson house parlors on Monday night next.

#### THOSE WHO COME IN THE WINTER MUST HAVE \$50 party of Lindsay belles, chaperoned by Mr. and Mrs. R. J. Moore, reached

MORE STRINGENT IMMIGRATION REGULATION.

seeing expedition. The young ladies are the guests of the Lindsay A meeting of the local rugby en- An Order-in-Council has been passed Free Press which conducted a voting electrical manufacture of atmospheric cation through the thorough commer- thusiasts was held Tuesday in the raising the minimum money qualifiproducts, his attention was directed cialization of the manufacture of rooms over the Canadian Bank of cation of \$25 now required of all im- held. After leaving Lindsay they toward the manufacture of ozone. A ozone, as the remarkably low cost of Commerce and about twenty were pre- migrants coming to Canada to \$50 went to Toronto, thence to Montreal, thorough examination of the plants operation puts it within reach of any sent. From the spirit prevalent last for the period from January 1st and reached here early Tuesday on and processes in Europe and America community suffering from impure night, it appears that Lindsay will to February 15th. The doubting of the City of Ottawa. Those in the have a good team to represent them the money qualification during the party are: Miss Lucy McGeough, Ozone Process Company, to develop It is not intended that ozone shall in the O.R.F.U., and will no doubt mid-winter is with a view to restrict. Omemee; Miss Sarah Campbell, and exploit the results achieved by be looked upon as an entire substitute make a good showing. The game ing, as far as possible, the arrival of Woodville; Miss S. L. Moore, Kin-Dr. Leon Gerard, the Belgian scientist. for filtration beds in every case, but calls for big and small men, and from any immigrants without an indepen- mount; Miss Ada Gillis, Fenelon The Gerard Ozone Company, 165 rather as an adjunct to them, the oresent appearances it is believed that dent means during the period when Falls; Miss M. Cain, Miss M. Burke The restrictive immigration regula-

Must Believe in It.

EASTERN TOWN ENJOY WA-

TER TRIP.

Windsor Record, Sept. 9th: A

#### Bobcaygeon Lady VISIT WINDSOR Hurt in Toronto

POPULAR YOUNG LADIES OF STRUCK BY AN ELECTRICAL COACH - INJURIES NOT DANGEROUS.

Globe: While crossing College-st., opposite the Technical school, Thursday Mrs. John Bell, of Bobcaygeon, Windsor on Tuesday night on a sightan Exhibition visitor, was struck by an electrical coach. She was thrown to the pavement and painfully in- Call at Simpson House, Line jured about the head. After being given medical attendance, she was driven in a carriage to her rooming place at 264 Simcoe-st.

LUMBER CO. HAVE ASSIGNED. Messrs. Sadler & Fee, who have been conducting the Lindsay Lum- nis LeHane, of Toronto, parents ber Co. for some time, have made an the late Norma LeHane, who was kill assignment to Mr. J. H. Sootheran ed by a blow from a steamboat ies for the benefit of the creditors. The der while visiting in Muskoki two heads of the firm have always issued a writ against the Muskow been looked upon as men of extraor- Lakes Navigation Co. dinary ability, and the news of the "Do you believe in love at first assignment will no doubt be a surprise to many. The tightness of the -Mr. J. McCullough, of Toronto

#### P. J. BREEN Dealer in all popular makes of

Pianos and Organs, Musical Merchandise

Williams Sewing Machines Heintzman Pianos and Karn

gans are our leading Musical Instru

say, or write Lindsay P.O.

ISSUE WRIT.

On Friday last, Mr. and Mrs.

n this strugg