

DENTAL.

A. HICKS, D. D. S.—Honor graduate of Philadelphia Dental College and Hospital of Oral Surgery, Philadelphia, Pa., also honor graduate of Royal College of Dental Surgeons, Toronto. Office over Turner's drug store, 26 Rutherford Block.

LODGES.

WELLINGTON Lodge, No. 46, A. F. & A. M., G. R. C., meets on the first Monday of every month, in the Masonic Hall, Fifth St., at 7:30 p. m. Visiting brethren heartily welcomed.

ALEX. GREGORY, Sec.

LEGAL.

J. B. RANKIN, K. C.—Barrister, Notary Public, etc., Victoria Block, Chatham.

W. F. SMITH—Barrister, Solicitor, etc., Office, King Street, west of the Market. Money to loan on Mortgages.

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Trust and Private Funds to Loan

On farm and city property. Terms to suit borrowers. Apply or write to

THOMAS SCULLARD

Office lately occupied by Edwin Bell, Victoria Block.

MEDICAL.

L. E. CURL, OSTEOPATHIC PHYSICIAN,

SPECIALIST IN CHRONIC DISEASES; Examination Free. Office, Sixth street opposite Fire Hall. Hours—8 to 10 a. m., 1 to 5 p. m., 7 to 8 p. m.

DR. OVENS OF LONDON

Surgeon, Oculist and Specialist Eye, Ear, Nose and Throat

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RECORDS SINCE 1830.

Prof. R. F. Stupart, Director of the Provincial Meteorological Observatory, Compares Our Winters.

As there seems to be a fairly prevalent idea among the old residents of Canada that our winters are milder now than in the early days of settlement, Mr. R. F. Stupart, Director of the Observatory, has recently given a few notes regarding records of temperature since 1830, which will be interesting and instructive.

The coldest winter, December-March, on record at the Observatory was that of 1884-5, when the mean temperature was 18.3, 6.8 below the average of the whole term of years. The second coldest was in 1872-5, when the temperature was 19.0, 6.1 below average, and the third coldest 1853-6, with a mean temperature of 20.4, 4.7 lower than the average. In two of these winters all four months were below average. In only six winters has the average of every winter month been below average, and all of these have occurred since and including 1872.

Again, extremes of temperature are certainly as large now as they used to be. The lowest temperatures of which we have record at Toronto was 25.6 below zero on the 10th of January, 1859, and 25.4 below on the 5th of February, 1885; 22.8 below was recorded on the 5th of February, 1886 and 21.2 below on the 6th of February, 1895. The lowest reading registered prior to 1855 was 18.6 below on the 17th of January, 1840.

The mildest winter on record was that of 1831-2, when the mean temperature was 31.0, 5.9 higher than the average. The second warmest was 1877-8 with a mean temperature of 30.6, 5.5 above average, and the third warmest was 1841-2, with a mean of 30.5, 5.4 higher than average. In nine winters each month has been higher than average and six of these occurred prior to 1865. Dividing the whole term of years into five-year periods, Mr. Stupart stated that the coldest five-year periods were 1885-9 and 1870-4, and the warmest were 1834-8 and 1840-4.

"Reason for General Impression."

These being facts, it remains to be considered why there is such a very general impression among old inhabitants of this Province that the winters are not as cold nowadays as they used to be. Mr. Stupart suggested that the solution lies in the fact that the houses we live in today are better heated than when wood was the fuel used. In the city the better class of house is almost invariably warmed by means of a furnace which, remaining alight at night, keeps the house warm, and people wash and dress in the morning in a comfortable temperature. Even in the country house hard coal is now largely used for heating purposes and a self-feeder in the hallway prevents houses from cooling off towards morning, as they most certainly did in the days of wood fires, when it was not an uncommon thing on rising in the morning to find water frozen in the pitchers, and dressing was then a very cold, shivery business. It seems not improbable that the warmer dressing-rooms may wholly account for the fallacious idea of a changing climate, but some weight should perhaps be given to the fact that in early days before the country was as thoroughly cleared as it is to-day, and roads were shaded by trees on either side, the snow lay on the ground longer and more deeply, and sleighing was better and more lasting, and this would also have been the case in the city before the traffic was so large and the snow did not become covered with dirt so quickly.

Accurate Instruments.

There is no doubt Mr. Stupart said that the thermometers used in the early days of the Toronto Observatory were accurate and entirely comparable with those used now, and the observations have been taken on the same plot of ground since 1840, and while environment has certainly changed somewhat the change in this respect has been such that we might almost expect to find a lower thermometer readings near the city. From a close study of climate Mr. Stupart said he could not for a moment suppose that the climate of any locality changes appreciably in the lifetime of a man. Change does certainly occur, but probably at a rate comparable with geological changes.

Mr. Ross Robertson on Skates.

The first appearance of Mr. John Ross Robertson, ex-M. P., Toronto, in 40 years on skates at the O. H. A. match on a recent Saturday night brings back recollections of his early career in athletics. He was a good swimmer, and on one occasion, in 1857, he swam across Toronto Bay, with three other U. C. College boys. In 1859 he was stroke of a six-oared boat, that was manned by college and Model School boys. A good photograph of the crew, by Carson, an old picture taker, hangs in a room at U. C. College. Max Strange, an uncle of Strange of the Argonauts, and nephew of Judge McLennan; the late Dr. Tom White of Hamilton, and Dr. Alec McDonald, chief surgeon of Ward's Island, N. Y., were in the crew.

Mr. Robertson managed and played in the hockey, or rather, shinney, games in 1856-1857, when U. C. College played Knox Academy, and the old King Street Model School. These were played on the Bay, between York and Simcoe streets. He started the first game of football at U. C. College, and through his efforts the gymnasium at the U. C. College, on King street, was started and built.

He played cricket on the old Wellington Club, that had its grounds on the corner of Front and Brock streets, when the Brunel family lived there.

PAPER BRICKS FOR FUEL.

Possibilities of Dry Rubbish as Substitute for Coal—Interesting Experiments in New York City.

Dr. John McGaw Woodbury, commissioner of street cleaning of New York city, has installed in extemporized garbage incinerator in an abandoned public school building, where he has been demonstrating the possibilities of dry rubbish of which 90 per cent. is waste paper as a substitute for coal.

Dr. Woodbury says that he expects soon to have in readiness a machine of great power that will compress this material into bricks, thus saving the great item of transporting and storing it in its loose forms. These paper bricks, he expects, will be as readily handled as sticks of firewood and can be thrown into the furnaces in the same manner. He said that he was arranging to deliver the first output of fuel bricks to Commissioner Robert Grier Monroe of the department of water supply, gas and electricity for use at the reservoir pumping stations.

At present he can supply 877,000 cubic yards a year of this material, which used to cost 19 cents a cubic yard, to take to sea and dump. He believes that in the brick form it will be easy to sell the excess over what is required for the city's power plants to private consumers for 4 cents a cubic yard.

At a recent test the incinerator developed 1,500 heat units and showed that it could yield twenty-four horse power. The combustion, too, was far from perfect, the residue being so rich in carbon that it seemed as if it could be used for fuel as readily as coke or charcoal.

Planting the Soy Bean.

Planting may be made at intervals from the 20th of May until July 1, but satisfactory results are often obtained when the seed is not planted until after the removal of an early grain crop. On many soils it will not pay to make applications of manures containing large quantities of nitrogen, as in several tests conducted at this station the increase in yield has not been sufficient to pay for the additional cost of the nitrogen. It will not be wise, however, to attempt the growth of this crop in soils deficient in potash and phosphoric acid, unless these substances are added. Potash in muriate gives good results, while as a source of phosphoric acid dissolved bone or fine ground bone will give satisfactory returns upon soils which are not too deficient in lime, but on those which show a greater lack of lime more satisfactory results may be obtained by the use of slag meal or floats—G. E. Adams, Rhode Island Experiment Station.

The Dominion Experiment station experts advise a trial of the soy bean in Canada. The above is from one who has made some study of its culture.

Honesty is the Best Policy.

The office cat was dead. Caught in the act of devouring the contents of the lunch, it came in contact with his boot and died suddenly. The questions were: "Where could it be buried in the heart of the city?" and "Who would bury it?"

Bob, the office boy, offered to get rid of it for a consideration, and proceeded to consult a friend of his at a neighboring hotel. After the office closed, Bob took his seat on the outside of an omnibus, carefully carrying a parcel (containing the cat), from which protruded the tail feathers of a pheasant. The parcel was carefully labelled; but Bob left it under the seat when he got off the bus. (Boys are forgetful!)

Soon another passenger noticed the parcel, and gradually shifted his seat until he was able to lift the parcel, when he very speedily took his departure, taking it with him. Bob got rid of it, but to this day, no one in that office knows who buried the cat.

To Test Innocence.

"A strange way of testing the innocence of an accused person is employed in India," said a traveler who lately returned from Madras. "They haul the man up and give him a mouthful of dry rice to chew. Dry rice takes a deal of chewing to get it masticated into a glutinous mass like gum, and that is the condition that the accused is required to get into within ten minutes. If you are calm and not afraid you succeed, but if you are nervous and scared you fail. For it seems fear has a strong effect upon the salivary glands. It prevents them from secreting saliva. The mouth of a badly-frightened person is always dry as a bone. It requires a tremendous flow of saliva to chew dry rice, and therefore the scared prisoner inevitably fails in this test."—Tit-Bits.

More Than He Could Do.

York House, Twickenham, so long the home of the exiled Orleans family, is to be sold. A number of anecdotes are related of the Kings in exile. Louis Philippe once had a witty conversation with the landlord of the Crown hostelry, hard by York House itself. "And who are you?" asked the exiled King of the landlord, whom he met in the grounds. "I keep the Crown," said the other. "Ah," answered Louis Philippe, "that's more than I could do!"

When to Trim Shade Trees.

Trim the branches off your shade and ornamental trees at any time between the middle of June and the middle of July while the trees are in full foliage and in their most vigorous state of growth. At such a time the trees are best adapted to withstand the effect of pruning.

Farmers Should Keep Accounts.

Every farmer should know just what every horse, cow, hog, sheep, hen, duck, goose, turkey, tree, vine, field and garden on his farm costs him and nets him. He can know this only through the keeping of accounts.



There are very few cleaning operations in which Sunlight Soap cannot be used to advantage. It makes the home bright and clean.

The judge doesn't always form his sentences on strictly grammatical lines.

\$25,000 GIVEN AWAY.

In the past year Dr. R. V. Pierce has given away copies of his great work, The People's Common Sense Medical Adviser, at an expense to him of \$25,000 exclusive of postage. This standard book on medicine and hygiene contains 1008 pages and more than 700 illustrations. It treats of the greatest and gravest problems of human life in simple English, from a common sense point of view. It answers those questions of sex which linger unspoken upon the lips of youth and maiden. It is essentially a family book, and its advice in a moment of sudden illness may be the means of saving a valuable life. This great work is sent absolutely free on receipt of stamps to defray the cost of mailing and customs only. Send 31 one-cent stamps for the book in paper binding, or 50 stamps for cloth covers. Address Dr. R. V. Pierce, Buffalo, N. Y.

It's a pity that people who worry over little things haven't something big to trouble them.

State of Ohio, City of Toledo, Lucas County.

Frank J. Cheney makes oath that he is senior partner of the firm of F. J. Cheney & Co., doing business in Toledo, County and State aforesaid, and that said firm will pay the sum of One Hundred Dollars for each and every case of Catarrh that cannot be cured by the use of Hall's Catarrh Cure.

FRANK J. CHENEY.

Sworn to before me and subscribed in my presence, this 6th day of December, A. D. 1886.

A. W. CLEASON, Notary Public.

Hall's Catarrh Cure is taken internally and acts directly on the blood and mucous surfaces of the system. Send for testimonials, free.

F. J. CHENEY & CO., Toledo, O.

Sold by all Druggists. Hall's Family Pills are the Best.

Women sometimes assume a cynical tone when they have the kindest of feelings.

SLEEPLESSNESS.

You can't sleep in the calmest and stillest night, if your stomach is weak, circulation poor, and digestion bad. Hood's Sarsaparilla strengthens the stomach, improves the circulation, perfects digestion, and brings about that condition in which sleep is regular and refreshing.

It does not do this in a day, but it does it—has done it in thousands of cases.

A miser grows rich by seeming poor, and an extravagant man grows poor by seeming rich.

Baddeck, June 11, 1897.

C. C. RICHARDS & CO.

Dear Sirs,—MINARD'S LINIMENT is my remedy for NEURALGIA. It relieves at once.

A. S. McDONALD.

It is not well for a man to take as his hero one who has more money than his property.

Lever's Y-Z (Wise Head) Disinfectant Soap Powder dusted in the bath, softens the water and disinfects.

The piano forte can't help surrendering when it is bombarded.

THE NORTH-WESTERN LINE—IMPORTED JAPANESE FANS.

A set of four attractive Japanese fans issued by the Chicago & North-Western Ry. sent to any address securely packed on receipt of 10 cents to pay postage. B. H. Bennett, 2 East King street, Toronto, Ont.

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Reliability

You can place full reliance in Dunlop Detachable Pneumatic Tires—they will never betray your trust, hardest to puncture, easiest to repair. Years of excellent service have made them of almost universal adoption. Every wheel with a reputation is fitted with them. Every rider of experience insists on them.

Dunlop Tires make bicycle enthusiasts. They increase the pleasure of wheeling and minimize the troubles. Bicycling is an assured success with Dunlops.

The Dunlop Tire Co. Limited

Toronto, Ont.

Depots at Montreal, St. John, Winnipeg, Vancouver.

Have you found a Dunlop Coin?

HOUSES FOR SALE—Three houses on Grant St., and house and lot on Victoria Ave. For particulars, apply to Thos. Scullard, Victoria Block, or at this office.

Only \$10.00 to Atlantic City

Cape May, Sea Isle City or Ocean City and return. Three Sea shore Excursions, via Lehigh Valley Railroad—August 4, 18 and 25.

Tickets good 15 days, and only \$10 from Suspension Bridge to above Sea-shore Resorts and return. Tickets allow stop-over at Philadelphia.

For particulars call on or address ROBT. S. LEWIS, Passenger Agent, 33 Yonge St., Toronto, Ont. 1wk-eod

Cheap Excursion to New York

The New York Central and West Shore Roads will run a cheap excursion Suspension Bridge and Buffalo to New York and return Tuesday, August 11th. Tickets to be good for return fifteen days. Write L. Drago, Canadian Passenger Agent, 69 1-2 Toronto, Ont., and get full particulars regarding this great excursion.

Minard's Liniment Cures Burns, etc.

WANTED.

GIRLS WANTED—For dining room at Hotel Garner.

GIRL WANTED—Apply to Mrs. Robt. Gray, William St.

WANTED—A good strong intelligent boy to work in bake shop. Apply W. S. Richards.

POSITION WANTED—By young man, as clerk in grocery. Address A. C., Planet Office.

WANTED—Competent men to appoint agents, whole or spare time. Commission paid. Apply John Doyle, Drawer 531, London.

WANTED—Ready employment in a factory. Am 30 years of age and can handle rough work. Austin Toll, Ovey, Ont.

BUCKLAYERS WANTED—Six weeks or two months work at 45 cents per hour. Apply at the Dresden Sugar Co., Dresden, Ont.

ROOMS WANTED—Centrally located and with modern conveniences. Address: sending full particulars, P. R. T. care Planet Office.

TEACHER WANTED—For S. S. No. 6, Tilbury East. Address Hy. Atkinson, Secretary, Stevenson, Ont.

WANTED—To buy new and old used feathers of all kinds, highest cash price paid. Drop us a post card and we will call. Toronto Feather Co., east end King street, Chatham. Feathers cleaned also.

WANTED—Experienced farm hand to hire by the month. Highest wages paid. Apply to Geo. Davidson, lot 19, concession 7, Raleigh, four miles from Chatham.

GIRLS AND STRONG BOYS—Wanted for Biscuit and Candy Factories; good wages, steady employment. D. S. Perrin & Co., London, Ont. mdw

WANTED—WANTED—We must have a cartload of new and old used feathers at once. Highest cash price paid. Drop us a post card and we will call. Toronto Feather Co., east end King street, Chatham. Feathers cleaned also.

FOR SALE OR TO RENT.

FOR SALE—The Veteran Land Claim. Apply to Walter Huson, Chatham.

FOR SALE—Two well bred young cows, both fresh. Apply to J. D. Thompson, North Chatham.

FOR SALE—75 feet of good fencing. Apply to Thos. Scullard, Victoria Block.

FOR SALE—Gas Engines—two seven horse power. Apply at The Planet Office.

ROOMS TO RENT—Over east part of our store; parlors, kitchen, bathroom, furnace. Complete and comfortable. Geo. Stephens & Co.

LOTS FOR SALE—One and one-half acres at the head of Victoria avenue. Apply to M. M. Tissiman, room 5, Victoria Block.

HARNESS FOR SALE CHEAP—Two set nicksle trimmed custom made buggy harness. Enquire 95 Murray street.

FOR SALE—At once a Grocery Stock and Fixtures in Wallaceburg; large store, rent \$10 per month; good location; amount of stock about \$500, fixtures about \$80. Intending purchasers come and inspect, will answer no letters. Apply to Thomas Hayes, box 118, Wallaceburg.

FARM FOR SALE OR TO RENT—150 acres, lot 8, concession 1, Chatham Township, two and a half miles from Chatham; brick house, good stables; on bank of Thames. For full particulars apply on the premises or address Sydney Knapp, Chatham P. O.

THE ONLY AUTHORIZED "LIFE OF POPE XI."—Work is done with the encouragement, approbation and blessing of His Holiness, by Mgr. Bernard O'Reilly, D. D., LL. D. (Laval). This distinguished author was summoned to Rome and appointed by the Pope as his official biographer. The book is endorsed by Donato Scharretti, Papal delegate for Canada, and is approved and recognized by all Church authorities as the only official biography of the Pope. Over 800 pages, magnificently illustrated. Best commission to agents. Sell only the official life by Mgr. O'Reilly. Elegant outfit free. The John C. Winston Co., Toronto, Ont.

TENDERS FOR PAINTING

Separate tenders for painting and kalsomining the inside rooms of the County Gaol will be received by the undersigned up to 7 o'clock p. m., July 31st, 1903.

Any information required will be furnished by the County Clerk.

Lowest or any tender not necessarily accepted.

J. GOENELL, Co. Clerk.

22-25-29d

ANOTHER CALIFORNIA EXCURSION.

On July 31st to August 13th inclusive, the Wabash will sell round trip tickets to San Francisco or Los Angeles, Cal., at the lowest rate ever made from Canada, tickets good until October 15th, 1903. All tickets should read via Detroit and over the great Wabash line, the short and true route to Pacific Coast points. This will be the last, best and cheapest excursion to California this season, do not miss it. For full particulars apply to any Wabash agent, or J. A. Richardson, District Passenger Agent, Northeast corner King and Yonge streets.

W. E. RISPIN, C. F. Agent, Chatham.

J. C. FRITHCHARD, Depot Agent.

For International Epworth League Convention, Detroit, July 16th to 19th, 1903, will issue Return Tickets at SINGLE FIRST CLASS FARE from stations west of Sharbot Lake, Kingston and Renfrew, good going July 15th and 16th; valid for return without extension, until July 20th. On deposit of ticket with joint agent not later than July 19th, and payment of 50 cents at time of deposit tickets may be extended good to leave Detroit not later than August 15th, 1903. Full particulars from your nearest Canadian Pacific Agent or to W. H. HARPER, City Agent, Chatham.

A. H. NOTMAN, A. G. P. A., Toronto.

GRAND TRUNK RAILWAY SYSTEM

TOURIST RESORTS.

Orillia, Penetang, Muskoka Lakes, Georgian Bay, Upper Lakes, Lake of Bay, White Mountains.

Magnetowan River, Kawartha Lakes, Thousand Islands, Quebec, Portland, Me., Old Orchard, Me.

The above resorts are all reached via the Grand Trunk. Excellent service to Muskoka Wharf, connecting with steamers for "Royal Muskoka" Hotel and other ports on Muskoka Lakes, also at Huntsville for ports on Lake of Bay.

Tourist tickets are on sale comprising trip through the lakes in Highlands of Ontario, also to ports on Upper Lakes and to eastern points.

Notice—Tickets are now on sale via North Bay and Sarnia, also via lake and rail to all points on Canadian Northern Ry., Port Frances, Rainy River, Winnipeg and points West. New fast train service has just been inaugurated on this line.

W. E. RISPIN, C. F. Passenger and Ticket Agent, 115 King St., Chatham.

WE HAVE ON HAND A LARGE SUPPLY OF

LIME, CEMENT, SEWER PIPE, CUT STONE,

&c. All of the best quality and at the LOWEST POSSIBLE PRICES