

Use  
ELARTON SALT  
— for —  
HOME—CATTLE—LAND  
Unsurpassed for Strength and Purity.  
To be obtained from  
nearly every Store in this District  
or  
ELARTON SALT WORKS CO., Ltd.  
WARWICK, ONT.

M. CUNNINGHAM  
PAINTER AND  
PAPERHANGER  
Estimates given  
Prices Reasonable  
WATFORD, ONT.

#### ARE YOUR EYES GETTING BETTER?

Your eyes are either getting better or they are getting worse. If your eyes need correction, any delay in getting glasses is slowly but surely damaging them.

Do not hesitate to wear glasses if you need them. You can select a style which is becoming, and the comfort to your eyes will be well worth while.

Have you had your eyes examined lately?

"Take care of your eyes!"

### Carl A. Class

Jeweller and Optician

MEDICAL

JAMES NEWELL, PH.B., M.D., L.R.C.P. & S., M.B.M.A., England, Coroner County of Lambton, Watford, Ont. Office—Corner Main and Front Sts. Residence—Front st., one block east of Main st.

C. W. SAWERS, M.D., Phone 13. Watford, Ontario. Office—Main st. Residence—Ontario st. east. Office hours—8.30 to 9.30 a.m., 2 to 4 and 7 to 8 p.m. Sundays by appointment.

W. G. SIDDALL, M.D., Watford, Ontario. Office—Next to Public Library. Day and Night calls phone 26. Office hours—8.30 to 9.30 a.m., 2 to 4 and 7 to 8 p.m. Sundays by appointment.

#### DENTAL

GEORGE HICKS, D.D.S., Trinity University, L.D.S., Royal College of Dental Surgeons, Post graduate of Bridge and Crown work. Orthodontia and Porcelain work. The best methods employed to preserve the natural teeth. Office—Opposite Siddall's Drug Store, Main st., Watford. At Queen's Hotel, Arkona, 1st and 3rd Thursdays, of each month.

C. N. HOWDEN, D.D.S., L.D.S., Graduate of the Royal College of Dental Surgeons of Ontario, and the University of Toronto. Only the Latest and Most Approved Appliances and Methods used. Special attention to Crown and Bridge work. Office—Over Dr. Sawers', Main st., Watford, Ont.

#### VETERINARY SURGEON

J. McGILLICUDDY, Veterinary Surgeon. Honorary Graduate Ontario Veterinary College. Dentistry a specialty. All diseases of domestic animals treated on scientific principles. Office—Two doors south of the Guide-Advocate office. Residence—Main street, one door north of Dr. Siddall's office.

#### AUCTIONEER

J. F. ELLIOT, Licensed Auctioneer, for the County of Lambton. Prompt attention to all orders, reasonable terms. Orders may be left at the Guide-Advocate office.

#### INSURANCE

### THE LAMBTON

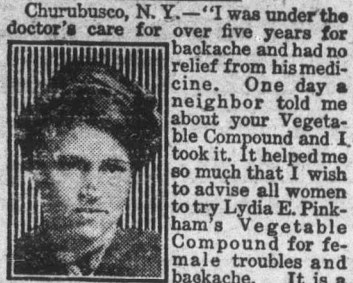
FARMERS' MUTUAL FIRE INSURANCE COMPANY

(Established in 1875)

JOHN W. KINGSTON, President  
JAMES SMITH, Vice President  
ALBERT G. MINIELLY, Director  
THOMAS LITHGOW, Director  
GUILFORD BUTLER, Director  
JOHN PETER McVICAR, Director  
JOHN COWAN K.C., Solicitor  
J. F. ELLIOT  
ROBERT J. WHITE, Fire Inspectors  
ALEX. JAMIESON  
P. J. McEWEN, Auditors  
W. G. WILLOUGHBY, Manager and Sec.-Treasurer  
WATFORD  
PETER McPHEDRAN, Wainstead Agent for Warwick and Plympton

## SUCCEEDS WHERE DOCTORS FAIL

Lydia E. Pinkham's Vegetable Compound Often Does That.—Read Mrs. Miner's Testimony



Churubusco, N. Y.—"I was under the doctor's care for over five years for backache and had no relief from his medicine. One day a neighbor told me about your Vegetable Compound and I took it. It helped me so much that I wish to advise all women to try Lydia E. Pinkham's Vegetable Compound for female troubles and backache. It is a great help in carrying a child, as I have noticed a difference when I didn't take it. I thank you for this medicine and if I ever come to this point again I do not want to be without the Vegetable Compound. I give you permission to publish this letter so that all women can take my advice."—Mrs. FRED MINER, Box 102, Churubusco, N. Y.

It's the same story over again. Women suffer from ailments for years. They try doctors and different medicines, but feel no better. Finally they take Lydia E. Pinkham's Vegetable Compound and you can see its value in the case of Mrs. Miner.

That's the truth of the matter. If you are suffering from any of the troubles women have, you ought to try this medicine. It can be taken in safety by young or old, as it contains no harmful drugs.

### A. D. Hone

PAINTER AND DECORATOR  
PAPER HANGING

WATFORD - ONTARIO

GOOD WORK  
PROMPT ATTENTION  
REASONABLE PRICES  
ESTIMATES FURNISHED  
SATISFACTION GUARANTEED

RESIDENCE—ST. CLAIR ST.

## GRAND TRUNK RAILWAY SYSTEM

### TIME TABLE

Trains leave Watford station as follows:

GOING WEST  
Accommodation, 111.....8.42 a.m.  
Chicago Express, 17.....12.40 p.m.  
Detroit Express, 83.....6.51 p.m.  
(a) Chicago Express.....9.11 p.m.

GOING EAST  
Ontario Limited, 80.....7.48 a.m.  
Chicago Express, 6.....11.22 a.m.  
Express.....2.28 p.m.  
Accommodation, 112.....5.38 p.m.  
(a) Stops to let off passengers from Hamilton and east thereof and to take on passengers for Chicago.  
C. W. VAIL, Agent, Watford.

Dread of Asthma makes countless thousands miserable. Night after night the attacks return and even when brief respite is given the mind is still in torment from continual anticipation. Dr. J. D. Kellogg's Asthma Remedy changes all this. Relief comes, and at once, while future attacks are ward off, leaving the afflicted one in a state of peace and happiness he once believed he could never enjoy. Inexpensive and sold almost everywhere.

## remember

WHEN WE advertise that we are baking first-class bread and cakes we back that up with our goods.

That also applies to our Confectionery, Chocolates and Etc. Just try us and see for yourself.

## Lovell's

Wedding Cakes a Specialty

### Muscular Rheumatism Subdued.

When one is a sufferer from muscular rheumatism he cannot do better than to have the region rubbed with Dr. Thomas' Electric Oil. Let the rubbing be brisk and continue until ease is secured. There is more virtue in a bottle of it than can be fully estimated.

### ALVINSTON

Mr. and Mrs. Frank McNally spent a few days this week in London.

Mr. and Mrs. John Little of Pontiac are visiting the latter's mother, Mrs. Margaret Luke.

Mrs. Janet Thompson of London is spending a few days at the home of her brother, Mr. Neil A. McLean.

Mrs. Berger of Camrose, Alta., spent a few days this week at the home of Mr. and Mrs. W. J. Reader.

Mrs. Samuel Johnston and daughter Eva, returned home after spending the past week at Bright's Grove.

Mr. and Mrs. John O'Dell and children of Sarnia spent the week-end at the home of the latter's mother, Mrs. W. J. McNally.

Mr. and Mrs. Ross McEachern and daughter Marjorie of Glenora returned home after spending a few days as the guest of Mrs. Genge.

Mr. and Mrs. Clare Houston and daughters of West Lorne spent Sunday at the home of the former's mother, Mrs. Robert Houston.

Mr. and Mrs. Parrott and daughters, Blanche and Irene, of Detroit, spent a few days this week at the home of Mr. and Mrs. G. A. Hadden.

Mr. and Mrs. Charles Wetherall of Blenheim and Mr. and Mrs. Stanley Tripp of Oil Springs spent Sunday at the home of the latter's mother, Mrs. D. Tedford.

Mr. and Mrs. G. A. Hadden motored to Watford on Wednesday returning on Thursday accompanied by Miss Helena Shirley who will visit with them for a few days.

Mrs. Martyn and daughter, Ella, returned home after spending the past three weeks in Detroit as the guest of her sister, Mrs. W. W. LeRoy.

Mr. and Mrs. Peter Duffy and son, John, of Detroit, are spending a few days this week as the guests of Mrs. Duffy's sister, Miss Jessie Livingstone who has been visiting them for a few weeks.

A young son of Dr. G. M. Urie, Alvinston, had the misfortune to slip on the steps of the tennis ground Tuesday, breaking his arm and receiving painful bruises about the face.

Miss Catharine Bindner, is spending her vacation in Seaforth.

A number from here attended the Shriner's Picnic in Port Stanley last week.

Mr. Peter Leitch of Cleveland is spending his vacation at his home here.

Mr. Clifford Welch is spending his holidays as the guest of relatives in Sarnia.

Mr. Sherman Graham of Toronto is spending his holidays with friends in town.

Mr. Charles McCarter has returned home after a motor trip to Niagara Falls.

Miss Carrothers has returned home after visiting at the home of her sister in Detroit.

Miss Janet Cleveland has returned home after spending the past month in Toronto.

Mrs. Martyn and daughter Ella, are visiting relatives in St. Marys and Motherwell.

Misses Lena and Kate Livingstone of Detroit are spending their holidays at their home here.

Misses Margaret and Francis Sands of Detroit are visiting at the home of their grandmother.

Mrs. Allison of Windsor is spending a few weeks as the guest of her son Mr. Thos. Allison.

Mrs. Taylor of Sarnia spent a few days last week at the home of her cousin, Mrs. L. Welch.

Rev. B. Snell returned home after spending his holidays in Woodstock, Chatham, Hamilton and other points.

Mr. and Mrs. C. F. Gibson and daughter Mary are visiting with relatives in St. Thomas and Port Stanley.

Mr. and Mrs. Barclay and sons of Toronto spent the weekend at the home of Mr. and Mrs. G. A. Hadden.

Mrs. Hiram Berger of Camrose, Alta., returned home after spending the past few weeks with relatives in this vicinity.

Mr. and Mrs. Archibald Leitch of Cleveland is visiting at the home of the former's parents, Mr. and Mrs. Neil Leitch.

In a fast game of baseball here this week the Junior Boys' baseball team won from the Inwood boys by the score of 5-4.

Miss Phoebe Armstrong has returned home after spending the past month with relatives in Detroit and Walkerville.

Mr. and Mrs. Samuel Johnston have returned home after spending the past week with relatives at Grand Bend.

Mr. and Mrs. R. A. F. Macdonald of Lewiston, Maine, motored to this vicinity and spent a few days last week as the guests of Mr. and Mrs. Wm. Reader, Church street.

Mrs. Sarah Pavey and daughter Mary and George Pavey accompanied by Miss Lydia Ridley and Mrs. Sarah Dauphin and son Stuart left on Monday for a motor trip to Niagara Falls.

### ARKONA

Mr. Lloyd Richter left for the West this week.

Mr. Chas. Lucas is spending a few days at Grand Bend.

Miss Lucy Waterman is spending her vacation in Sarnia.

Miss Dewar of Petrolia is visiting her friend, Mrs. A. W. Brown.

Miss Dorothy Smith of London called on friends here this week.

Mr. Harry Tucker of Detroit called on Mr. Albert Miller last week.

Mr. James Pullen of Sarnia spent the week end with Mr. Ed. Ginrich.

Mr. M. J. Woodhall of Hemlock, Mich., visiting her brother, Mr. Robt. Riggs.

Miss Marion Ivison of London is visiting her cousin Miss Lloy Chamblain.

Mr. and Mrs. Clare Porter and child of Toronto spent last week with Mr. Henry Rooks.

Mr. and Mrs. Glassford and son Jack have returned from two weeks' vacation at Colborne.

Mr. and Mrs. Sanford Lucas and children of Alvinston called on friends here last week.

Mr. and Mrs. J. Swan of Mt. Pleasant, Mich., are visiting her father, Mr. Chas. Cliff.

Mrs. H. Utter and son Delos were guests with Mrs. Dickson at her summer cottage, Grand Bend.

Miss Beatrice Oaks of St. Joseph's hospital, London, is spending her holidays at her home here.

Mr. and Mrs. Harold Johnston Glenora, spent Sunday with her parents, Mr. and Mrs. Henry Brooks.

Miss Louise Moore of London hospital is spending her holidays with her sister, Mrs. Geo. Fitzsimmons.

Mr. and Mrs. Ellis Dotzart and family of Chatham are spending a

few days with his mother, Mrs. Susan Dotzart.

Mr. and Mrs. N. Wiley of Sask., are visiting her brother Mr. Robt. Riggs. Mr. Wiley left here some twenty-five years ago.

Miss V. M. Brison of Toronto and her sister, Mrs. G. R. McEwen of Port Huron, Mich., are visiting at Mr. Robt. Riggs.

Mr. and Mrs. Alex. Johnston were in Sarnia on Sunday attending the funeral of their niece, Miss Eida Silman, who died suddenly on Friday, at the age of 23.

Among the successful pupils writing London Conservatory examinations, we notice Marguerite Utter and Helen Jones receiving first class honors in Junior Pianoforte.

The public library received \$25 as a grant from the county council. New books are being added from time to time, giving the public the latest and best fiction and literature at a very slight cost to its patrons.

The Civic Holiday program put on by the Citizens Band was a great success. The races, etc., were carried away quickly by keen competitors. West Adelaide and Appin played 11 innings of baseball, score 6-7 in favor of Appin. The concert in the evening was well attended and a full program was provided. The Women's Institute were on the spot giving first aid and the lunch counter was well patronized by all.

### WHAT CAUSES GAS ON THE STOMACH

It is caused by fermenting, sour waste matter in the intestines. This old, foul matter should be thoroughly cleaned out with simple buckthorn bark, glycerine, etc., as mixed in Adler-ika. This acts on BOTH upper and lower bowel, removing old accumulated matter you never thought was in your system. Adler-ika relieves ANY CASE of gas on the stomach. EXCELLENT for sour stomach and chronic constipation. Guards against appendicitis. J. W. McLaren, druggist, Watford.

If one be troubled with corns, he will find in Holloway's Corn Remover an application that will entirely relieve suffering.

## RADIO

A Weekly Feature of The Guide-Advocate to give our readers a clear explanation of this new popular science.

By Chas. M. Fitzgerald, Watford

We should next centre our attention on the more practical side of wireless, the antenna or aerial.

At the transmitter the antenna provides a means of radiating Hertzian waves. The presence of a high frequency current in the wires or conductor of the aerial causes electro-magnetic waves, having similar characteristics, to be set in motion in the surrounding ether. These waves, on passing over similar tuned antenna connected with proper receiving apparatus, cause a very minute current to be induced in it which is made audible by the receiving station equipment.

The antenna consists of one or more wires or a conductor capable of carrying electricity used in the manner as stated. These wires are generally made up of some metal that is good conductor of electricity such as copper, bronze or aluminum or a wire having a copper jacket over a steel or iron core. The wire may be either solid or made of several small strands bunched together. As the electric current used in radio practice is of a high frequency it travels on the surface of the wire and therefore a wire having a sufficient clean surface should be used. It is immaterial whether a covering (insulation) is used or otherwise but insulation is an advantage if it keeps the surface free from the corrosive effect of the atmosphere or prevent contact with obstacles where leakage of electricity would occur. Insulation, such as glass, porcelain, etc.) should also be used as an insulating medium on the supports where the aerial wires are secured.

One of the most common types of antenna is the overhead type. This type of antenna is a familiar sight wherever radio is known, and is efficient and easily erected. It is merely one or more wires suspended between two points. A lead or connecting wire is brought from the centre of one end to the apparatus. There is also the umbrella type, so named because the arrangement of wires resemble the ribs of an umbrella.

In order to take advantage of the protective qualities of the overhead antenna against lightning, a direct connection to a good ground must be provided, otherwise if this direct connection is omitted or connected to a poor ground, the lightning, when it strikes, which it does whether there is wire present or otherwise, will be

forced to continue its journey by the next easiest path to the ground possibly causing destruction in its wake. Regular lightning rods, which are a proven protection, are installed on buildings for the same purpose, that is to provide a direct guided path for these electric lightning bolts.

Another type of antenna is the underground and it is a wire buried under ground or laid under water. This type although less efficient than the overhead aerial is free from atmospheric electric disturbances especially prevalent during summer weather and also is directive, being able to pick up stations which lie in the plane to and from the direction to which the wire points.

There is also what might be termed freak arials, a tree, bed springs, pipes, etc., can be used in place of the regular overhead antenna. Telephone and electric wiring will also perform the function required of an aerial by having a suitable device interposed between the radio apparatus and the wiring so as to allow only the current used in radio to pass through to the apparatus.

With all the foregoing types of aerial described it is necessary to use a counter aerial or capacity which is termed a "ground." For moving vehicles, such as automobiles, aeroplanes, etc., the metal framework can be used. Stationary radio installation can make use of a second aerial suspended or buried beneath the first or by obtaining good electrical contact by burying metal sheets, pipes, etc., in damp earth thereby making use of the conductivity of the earth for the same purpose.

There is one type of aerial which requires no ground, and this kind is called a "loop" aerial. It is merely one or more turns of wire wound around a boxlike frame or the ends or length of spokes of a wheel shaped structure. In order to hear a station with this "loop" the edge must be turned toward the direction of the transmitting station. Due to the fact that this loop aerial possesses this characteristic it is valuable radio compass work. A receiving station can readily determine the direction of a transmitting station and by having several such receiving stations located at different places a fairly accurate knowledge of the position of a given transmitter can be determined. This is a valuable asset to navigators where other means are doubtful.