

Watford Guide-Advocate

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LOCAL HAPPENINGS

THE GUIDE-ADVOCATE welcomes all items of interest for this column. Call Phone 11, send by mail or drop them in GUIDE-ADVOCATE letter-box.

NEXT THURSDAY is Dominion Day and a statutory holiday.

PETROLIA MASON'S will attend church service next Sunday evening.

This is **Hosiery Week** at SWIFT'S—3 pairs plain or ribbed hose for a Dollar.

All places of business in Watford will be open on Wednesday afternoon next on account of the holiday on Thursday.

NEXT YEAR'S subscription at the old rate if paid before July 1st. How stands your label?

ON account of the holiday next week correspondents and advertisers are asked to send in their favors as early as possible.

A **YOUNG LADY** lost her bathing suit coming from the lake the other day. Finder please enclose in an envelope and mail.

WHEN you get a **FORD** car you not only get a better car but a more comfortable car—backed with Ford service.—**R. MORNINGSTAR.**

R. A. FINN, of the Western Ontario Agricultural Department, says that a strange disease is threatening the early potato crop in the district.

ON Monday, June 21st, the first day of summer, the weather was cold and disagreeable. It is to be hoped this does not preage the weather for the entire season.

PETROLIA minimum hydro rate is 75c per month, Watford \$1.00, Wyoming \$1.00. Why this discrimination? Looks as if the little fellows get it in the neck every time.

GRANT ALEXANDER, the infant son of Mr. and Mrs. John Dobbin, born Friday, passed away on Saturday. The funeral was held on Sunday at the Watford cemetery, Rev. S. P. Irwin officiating.

MEN'S OVERALLS from \$2.00 to \$3.00 a garment. Repeats will cost 50c a pair more when this lot is sold.—**SWIFT'S.**

WOMEN are now eligible for the Victoria Cross. This is as it should be. During the war some noble deeds were performed by women and they are entitled to the highest honors that can be conferred.

WITH the highest regard for every good doctor, and far from wishing him any personal injury, we yet venture to repeat an old proverb: "Joy, temperance and repose, slam the door on the doctor's nose."

THE new tariff endorsed by the Lambton County Medical Association makes first visit in city, town or village \$2.00, visits between 7 p.m. and 7 a.m. \$3 to \$4. Country visits \$2 and 75c per mile, night visits 50c extra.

A **SPECIAL** meeting of the Board of Education was held in the Board Room in the Library on Friday evening, June 18th, to consider the resignation of Principal Shrapnell and for other business. The Secretary states that the minutes will be published with those of the next regular meeting.

THREE USERS who figure cost per mile and freedom from trouble insist on **DOMINION TIRES**—our specialty.—**R. MORNINGSTAR.**

THE changes made since the final draft of the stationing ministers in this district are as follows:—Rev. A. Roy Johnston goes to Warwick instead of Oil City; Rev. Maxwell Parr goes to Harmony, in Stratford district, instead of to Warwick; Rev. James McKee Findlay goes from Harmony to Oil City.

New legislation affecting postal rates introduced in the Commons last week. It provides for an increase in the registration fee on letters and other matters passing through the mails, from 5 cents to 10 cents. The rate of postage on newspapers and periodicals printed and published in Canada has also been increased 200 per cent.

MR. J. E. ARMSTRONG, M. P. for East Lambton, did good work for the weekly newspapers of Canada in assisting the Manager of the Weekly Newspapers Association to present their case regarding the increase of postage before the Postmaster-General and Minister of Inland Revenue, and also helped to save the free zone for the weeklies.

10 dozen **Men's Balbriggan Shirts** and Drawers, 79c a garment—great value.—**SWIFT'S.**

THE **CEMETERY BOARD** wishes to thank the Watford people who helped to throw up the sod on the roadway of the cemetery and also to thank those who turned out with teams. The town people are asked to turn out next Tuesday and Wednesday afternoons to help shovel gravel and parties owning teams are asked to come out and draw gravel from T. Kerr's old pit.

THE funeral of Miss Sarah Berdella Field, daughter of Wm. Field, Front Street, to whom death came on Thursday morning at the residence at a Sarnia relative she was visiting, took place on Saturday afternoon from the family residence to the Watford cemetery. Service conducted by Mr. Wilkie of Sarnia was held at the house at 2.30. The pallbearers were Earl and Frank Roberts, Wm. and Vern Thorne, Albert Jarricot and Warren Field.

PREST-O-LITE Battery is second to none in quality and you save duty as it is Canadian made.—**R. MORNINGSTAR.**

LAWN SOCIAL LIGHTING

Be convinced that Delco-Lights at that lawn social will repay you many times. We make a specialty of this work. Try us once and see for yourself. Phone or write.—**R. O. SPALDING.**

INCREASING rates on commercial telegraph messages throughout Canada came into effect on Monday, June 14th.

THE **Baseball team** played at Poplar Hill Picnic Wednesday afternoon and were defeated by Poplar Hill 5-0. How about a little practice?

Strawberry prices took a big slump this week. Last Saturday the prevailing price was 30c a box but by Wednesday the price in some places had slumped to 8c. by the crate.

COMMENCING Sunday, June 27, G.T.R. train No. 5, will leave London 8.20 p.m. daily for Port Huron and Chicago. Commencing Sunday, June 27th, train No. 110 will leave Sarnia 1.35 p.m., daily, arriving London 3.40 p.m.

A **GREAT** many of our subscribers have taken advantage of our offer to accept subscriptions at the old rate if paid in advance before July 1st. The old rate of \$1.50 was found a losing proposition several months ago, and according to the many clouds looming on the horizon, 1921 promises to be a very interesting year for newspaper publishers.

THE **Treasurer** of the High School Memorial Fund reports that \$128 is on hand towards the bronze tablet which the students hope to place in the Watford High School. Contributions so far have come for the most part from ex-students residing out of town. If resident ex-students or any others wishing to contribute would do so as soon as possible it would oblige the Committee very much.

MENTION was made last week that notice had been received from the Hydro Commission that the horsepower rate for Watford had been raised to 85c per h.p. per year. The former rate was 85c. This increase is retroactive to January 1st. Other changes made are that a minimum net monthly bill of \$1.00 will be collected for domestic and commercial lighting and that an increase of fifty cents per year will be charged for each 100-watt street lamp. The power rate of \$1.00 remains unchanged. These light changes come into force June 1st.

POLARINE OIL, bought at last year's prices enables us to sell any quantity at exceptional prices. Polarine needs no recommend.—**R. MORNINGSTAR.**

ON Tuesday afternoon the pupils and teachers of the Watford Public School presented Mr. Shrapnell, the retiring principal, with a handsome electric reading lamp. An address was read by Florence Lovell expressing the high esteem in which Mr. Shrapnell is held by both pupils and teachers and also their great regret that he is severing his connection with the Public School. Mr. Shrapnell made a feeling reply thanking all present for the beautiful gift and assuring them of his continued interest in all matters connected with the school.

HAVE you sent in your subscription to the Watford Cemetery Board? The Board has commenced the work of beautifying the cemetery and requires all the funds that can possibly be raised this summer. They have taken upon themselves responsibilities that should be appreciated by the entire community and should be accorded the generous help of all citizens, especially those who have dear ones laid to rest in the cemetery. Complete control of all improvements and the work of beautifying being undertaken is of a permanent nature. Give the Board your financial support. Let every person or family owning a plot send in a liberal subscription this first year. Don't wait to be reminded that you have not done so. When the preliminary work of improvement is finished, a small subscription each year, together with the monies received from the sale of plots, is expected to be sufficient to make the city of our dead an attractive spot and we will not be ashamed of when strangers are within our gates.

MEN'S BALBRIGGAN Shirts and drawers.—**SWIFT'S.**

Watford Women's Institute

A very interesting meeting was held in Trinity Church schoolroom on Tuesday afternoon in the interests of the Women's Institute.

The President, Mrs. McKee, opened the meeting in the usual way. Mrs. Fitzgerald extended the greetings of the Tecumseh I.O.O.F., in a very able manner. Mrs. Gilchrist, responding, after which Mrs. Lowe, of Toronto, gave a very interesting and instructive address on "Work for home and country." Pointing out the greater need for work among the members since the close of the war, she said: "We want our navy to be the largest and best," so we want our Institute to grow in the same way. In order to do this each member must be an active member doing that for which she is best adapted, and be willing to demonstrate so as to be a benefit to some one else. The speaker spoke particularly on "Federation and Consolidated Schools." Health being the first consideration in our schools. If we are going to be a generation of healthy, useful Canadians, more thorough sanitation must be enforced in order to check diseases which sweep our land from time to time and endanger young lives. Mrs. Cunningham rendered a solo very acceptably and the meeting was brought to a close.

PERSONAL

Stanley Mitchell, Toronto, is visiting at Mr. Ben Cowan's.

Mr. B. Raper, Sarnia, was the guest of Mr. Orlo Jacklin on Friday.

Clare Dunlop, Chatham, is visiting his parents, Mr. and Mrs. Alf. Dunlop.

Miss E. Isabel Harris, Welland, is spending the holidays at her home here.

Mrs. D. Falloon, of Warwick Village, spent Sunday with her sisters, Misses Waugh.

Mrs. Holmes and Mrs. Davies, Cleveland, O., are visiting their sister, Mrs. Orlo Jacklin.

Mr. W. W. Thompson of Mantario, Sask., spent a few days with his sister, Mrs. D. Gillies.

Mrs. C. Robb and little daughter, Gladys, of Kelliker, Sask., visited Miss Bertha Oakes last week.

Franklin Smith, who has been attending the Faculty of Education, Toronto, is home for the holidays.

Mrs. Coghill, Brantford, Mrs. Dale and Mrs. Casey, Wyoming, were guests of Mrs. (Dr.) Newell this week.

Mrs. Marshall Pegg and son, Maurice, of Tapperville, spent the week end with Mrs. Pegg's sisters, Misses Waugh.

Mitchell Advocate—Miss Ruby McCormick, of Watford, was a guest at the home of Dr. and Mrs. Smith this week.

Mrs. W. M. Styles and Mrs. L. Buchner visited Mrs. Styles' sister, Mrs. H. D. Galbraith, Drumbo, and London friends last week.

Mr. and Mrs. W. H. Lovell and children, Champaign, Ill., are visiting his parents, Mr. and Mrs. John Lovell, and other relatives in town.

WARWICK.

Divine Service will (D.V.) be held in St. Paul's church, Wisbeach, at 7.30 p.m. next Sunday, June 27.

Mrs. E. Woolly and Miss Ethel Newell Strathroy spent the week end at their home on the sixth line.

PREST-O-LITE Battery is second to none in quality and you save duty as it is Canadian made.—**R. MORNINGSTAR.**

Misses Myrtle Galsworthy and Gladys Herd from Stratroy, spent Sunday with the former's sister, Mrs. T. C. Edwards.

Bethel and Zion S. Schools picnicked at Gustin's last Saturday. The day was ideal and both schools were well represented.

The recent rains have helped the crops in this district which were beginning to look bad owing to the continued dry weather.

WHEN you get a **FORD** car you not only get a better car but a more comfortable car—backed by Ford service.—**R. MORNINGSTAR.**

Misses R. A. and Gertrude Newell, Toledo, Ohio, Mr. and Mrs. Angus Gillespie, Malcolm and Ambia Gillespie, Thainville, were the guests of Mr. Isaac Newell, Sunday last.

J. Scott Luckham, who retired from the drug business for the past few months on account of his health, accepted a position about three weeks ago in Hamilton with the P. Dunnigan Co. Ltd., and last week was appointed manager of one of the stores.

L.O.L. No. 516, will attend divine service in St. Mary's Church, Warwick, on Sunday, June 27th, at 3 p.m. Rev. W. M. Shore will preach. Brethren of sister lodges cordially invited. Brethren will meet at the lodge room at 2.30.

GARDEN PARTY—Grace Church, 4th line, Warwick, will hold a garden party at the home of Mr. and Mrs. George Allen Westgate on Wednesday evening, July 7th. This will be one of the best of the season. See particulars in next week's issue and on bills. Keep this date open.

POLARINE OIL bought at last year's price enables us to sell any quantity at exceptional prices. Polarine needs no recommend.—**R. MORNINGSTAR.**

Mrs. John Bartley entertained about fifty ladies of the neighborhood on Wednesday afternoon of last week. The time was spent in quilting and sewing, after which all enjoyed a tasty lunch on the lawn. Mr. Bartley has sold his farm and will move near Petrolia in the fall.

Miss Sarah Vance, Toronto, who recently underwent an operation at the hospital there for enlarged glands of the throat, is convalescing at her old home on the 4th line. Her brother Harvey, and sister Miss Jennie met her at Melbourne last week where they spent the week end at the home of their brother, Rev. W. Vance.

The **Women's Missionary Society** of Zion Methodist church spent a very sociable afternoon on June 10th, 1920, at the home of the President, Mrs. W. E. Parker, when 10 members of the society and visited by 10 members of the West Adelaide society and 9 visitors gathered together. The meeting was opened by singing "Take My Life and Let It Be". Mrs. Young read the monthly leaflet and Mrs. Jos. Parker gave a reading on "Missionary work done in Japan", and a solo by Miss Vera Edwards, after which a quilt was put together, and the hostess served a delicious lunch. The next meeting will be held at the home of Mrs. Jos. Parker on July 8th, at 2.30 p.m.

SILK SOX for men, variety of shades, Holeproof quality.—**SWIFT'S.**

SWISS BELL RINGERS

The Musical Eckardts, Swiss Bell Ringers, Musicians, Vocalists and Entertainers are billed to appear in the Lyceum, Watford, this Saturday evening, June 26th.

This Company needs no introduction to the amusement-going public as they have been touring the United States and Canada for the past twenty-two years. The Eckardts carry the largest peal of Swiss bells in the world (250), besides numerous other weird and wonderful musical instruments, including a set of Cathedral Chimes, Musical Glasses, Aluminium Harp, Xylophone and Musical Saws. As an added attraction this season the management have engaged the Miller Sisters, clever English juvenile dancers, comedienne and impersonators of all the world famous musical comedy stars.

Mr. T. Eckardt is personally in charge of the company and the public may look forward to an evening of music and mirth.

Promotions to Form II. W. H. S.

The following students of the Watford High School have been successful in passing the examination for promotion into Form II. Order of merit:

With Honors—(75% or over)—Stanley Trenouth, Charles Barron, Ernest McKee, Margaret Irwin, Alma McGillicuddy, Harold King, William Minieley, Dorothy Fowler.

Passed—(over 60%)—Allan McKenzie, Amy Hair, Philena Rapson, Gifford Fortner, Isobel Newell, Clarence Letherland, Rufus Botsford, Ruby Lucas, Mildred Richardson, Ethel Watson.

The following students either failed to make the required percentage on the total (60%) or else failed in one subject. They will, however, be allowed to enter Form II on condition that they make the required percentage at the Christmas term examinations in that form. If they fail to do so they will then revert to Form I.—Franklin Adams, Ralo Clarke, Mary Morningstar, Irene Morningstar, Hilda Morris, Mary Smith, Margaret Watson, Helen Williamson.

BROOKE

PREST-O-LITE Battery is second to none in quality and you save duty as it is Canadian made.—**R. MORNINGSTAR.**

Mrs. D. R. Broughton and daughter, Ruth, of Detroit, Mich., is spending a few weeks with her parents, Mr. and Mrs. W. W. Lucas, of Brooke.

The Rev. S. J. T. Fortner, pastor of the Brooke circuit, will deliver his farewell address Sunday, June 27th. Services: Salem 11 a. m., Walnut 3 p. m., Bethesda 7.30 in the evening.

The home of Mr. and Mrs. Shugg of Toronto on Tuesday of last week was the scene of a happy gathering when their children and grandchildren gathered together to celebrate the fiftieth anniversary of their married life. The day was spent in happy reunion and the honored couple were made the recipients of a beautiful electric reading lamp as a gift from the family. Those attending were Mrs. Micking of Niagara Falls, sister of Mr. Shugg; Mrs. L. Hanna, of Kelso, B. C.; Miss Elva Hanna, of Toronto; Mr. and Mrs. Wellington Annett, Mr. and Mrs. T. H. Wall, Mr. and Mrs. Wm. S. Shugg, of Brooke.—**Alvinston Free Press.**

Mrs. Robt. Jeff, who died at Sarnia on the 4th inst., was a resident of Ennisville township for seven years and of Brooke for fourteen years. She was born in Waterdown in August 1845, and was married and resided near Fergus until her husband died twenty-two years ago, when she and her family came to Brooke to live with her eldest daughter. Later, deceased and her son-in-law in Ennisville. About three months ago Mrs. Jeff went to Sarnia on a visit and while there became ill from cancer from which she died. A family of three survive: Mrs. Geo. Pearce, of Woodstock; Mrs. Ernest, of Sarnia; and Robert, of the 12th line of Ennisville.

POLARINE OIL bought at last year's price enables us to sell any quantity at exceptional prices. Polarine needs no recommend.—**R. MORNINGSTAR.**

A pleasant and profitable afternoon was spent last Monday afternoon at the home of Mrs. M. J. Campbell, when the Brooke Women's Institute held its special meeting of the year. The President presided. The minutes of the preceding meeting were read and confirmed. After the usual disposal of business an excellent program was presented. Mrs. D. McNeil read a good paper entitled "Why our schools should be better equipped." This paper brought out many helpful suggestions and was followed by a beautiful solo by Miss Clark. Another very interesting feature of the meeting was an eloquent address by Mrs. Lowe, the government delegate. Her subject was "The Conservation of Health in Rural Districts and the Possibilities of the Institute." She was strongly in favor of medical and dental inspection in the schools, hot lunches for the pupils and consolidated schools. In fact, she believed that everything possible should be done in our schools that would be conducive to healthful bodies, intelligent minds and reverent spirits. A vote of thanks was tendered the speaker. The meeting closed by singing the National Anthem and a social hour was spent while the hostess served a dainty lunch.

MEN'S WORK SHIRTS \$1.50, \$1.75 and \$2.00, best value in Canada.—**SWIFT'S.**

German Gun Arrives

A German field piece, captured by Canadians, arrived here on Wednesday. The trophy is a 3.03 medium length, 1917, whizzbang. It still shows the camouflage paint to which it was treated by the Germans and signs of having been in action, as shrapnel marks may be seen upon it.

As no arrangements have yet been made for mounting the gun in a permanent position it is suggested that for the present it be placed somewhere near the bandstand on the government postoffice property.

CHOP STUFF

Sarnia ratepayers will vote on an increase of gas rates on July 9th.

The Petrolia wagon works will be reopened by a new corporation shortly.

Thos. Duggan, 8th line, Ennisville, lost two head of cattle by lightning last week.

Bogue's mill and D. Wakefield's residence, Stratroy, were struck by lightning last week.

Wyoming hydro rates have been advanced \$4.00 per h.p. Minimum monthly bill for lighting \$1.00.

Clinton hydro rates have been cut down ten per cent, and street service to \$11 per 100 watt light.

Mrs. Fletcher, owner of the Fletcher House, Petrolia, died Sunday afternoon after six months' illness.

The Bothwell Times says:—"Bothwell is about as dry these days as a sponge would be in a pail of water."

The marriage took place at Wyoming on Wednesday of last week of Rev. Maxwell Parr and Miss Elna Jewett, daughter of Rev. George Jewett.

Twenty-three cases of liquor were seized by License Inspectors Lucas and Culbert on the premises of M. Shabrove, Petrolia, last week. Trial expected on Thursday.

After September 1st the lowest salary paid to a lady teacher in the Petrolia public school will be \$825 and the highest \$900. The principal's salary will be \$1,800.

In Petrolia the Hydro minimum charge for commercial lighting has been increased to 75c per month. The minimum for domestic lighting, is increased from none to 75c a month.

Parkhill council cancelled the order for oil for the streets. The oil had been shipped and was across the border but the oil company was able to dispose of the oil elsewhere at an advance in price.

The Kertch Red Cross Society, having \$110.50 on hand in closing the books, disposed of it by donating \$25 to the Armenian Relief Fund and \$85.50 to Byron Sanatorium, London, for sick and disabled soldiers.

Mr. Hanson Hull, son of Mr. and Mrs. W. C. Hull, 4th line, Adelaide, met with an unfortunate accident on Sunday. As he was returning home the horse he was driving kicked viciously, striking him in the face. His jaw was fractured in two places, and eight teeth were knocked out.

Mr. James Church has had a writ for \$500 damages alleged to be sustained when thrown from a buggy served on the corporation of Petrolia. The council was supposed to have settled the matter some time ago by paying \$75 to Mr. Churchill.

Not in nearly sixty years has Exeter for oil for the streets. The oil had been shipped and was across the border but the oil company was able to dispose of the oil elsewhere at an advance in price.

A quiet but pretty wedding took place at the home of Mr. and Mrs. Wm. Smith, June 18th, when their daughter, Ruby Viola, became the wife of John LaVerne Williams, son of Mr. and Mrs. Jas. H. Williams, 10th line, Ennisville. The ceremony was performed by Rev. J. D. Richardson in the presence of the immediate families of the contracting parties.

After a long wait for road oil, which was ordered early in the season, Glencoe council decided to try out the crude oil from wells near town, and on Monday the first application was made, covering two blocks on Main street. This oil is being delivered at about one-third the cost of the regular road oil and from all indications is likely to prove just as effective in keeping down the dust.

Maple Leaf Farm, the home of Mr. and Mrs. James Walden, Bosanquet, was the scene of a very pretty wedding, on Tuesday, June 15th, when their daughter, Mary Eleanor (Nellie) was joined in the holy bonds of matrimony with Thomas Scott Crawford, only son of Mr. and Mrs. McKee Crawford of Theford. The Rev. Wm. McInnis, pastor of Knox church, Theford, officiated.

An important feature of the Presbyterian Assembly, sitting at Ottawa, was the passing of a motion which practically does away with the indeterminate term of pastorals of Presbyterian ministers. It was decided to send to Presbyteries for their recommendation a motion which recommended a seven-year term for ministers. It is agreed, however, that should there be one application, from either the minister or the congregation, that there should be no change.

ASTHMA

If you have Asthma, don't imagine that you must always suffer untold misery. Relief quick, sure and safe is guaranteed in every case by using

TEMPLETON'S RAZ-MAH CAPSULES

We are so certain of results we will send you a free sample of these capsules, confident that you will find them all we have claimed. Write to Templetons, 142 King St. W., Toronto.

Sold by reliable druggists everywhere for \$1.50 a box.

Local Agent—J. W. McLaren,

“—that certainly is Good Bread! Whose make is it?”

“Why, LOVELL'S of course!”

Try it You'll like it, too!

If Miller's Worm Powders needed the support of testimonials they could be got by the thousands from mothers who know the great virtue of this excellent medicine. But the powders will speak for themselves and in such a way that there can be no question of them. They act speedily and thoroughly, and the child to whom they are administered will show improvement from the first dose. m

REVIVING ALFALFA.

Practically Impossible to Make an Old Alfalfa Field Look Like New.

It is practically impossible to try to make an old alfalfa field look like new by attempting to sow more seed after disking or cultivating in the fall. Thousands of dollars' worth of seed are wasted in unsuccessful attempts to revive the waning stand of alfalfa. Specialists recommend that fields on the decline should be ploughed up and reseeded.

Even though the seed germinates successfully, the plants mature at periods different from those of the old plants, while ordinarily the young plants are smothered out before they make much growth. Even where an alfalfa field is patchy and covered with practically bare spots,



Four-Year-Old Alfalfa Plant.

it is not advisable to attempt to reseed except by breaking up the entire field and again sowing down with alfalfa.

It is always objectionable, according to the specialists, to cultivate or

disk an alfalfa field irrespective of its age and condition as carefully conducted experiments have shown that the only section in which it was profitable to cultivate the alfalfa crop in any way was in the irrigated belt of the far West.

Usually unfavorable results attend where alfalfa is disked under eastern conditions; although in the case of alfalfa fields which have been badly infested with weeds, it has been the practice of many growers to disk after the alfalfa has been cut, with the disks set nearly straight.

The best plan, where the alfalfa sod is beginning to show the ravages of wear, is to plough up the field and devote it to some cultivated crop, such as corn, for one or two years, and then to reseed it to alfalfa after preparing a proper seed bed, liming the soil if necessary, properly inoculating the soil or seed, and sowing the seed early enough in the fall so that the crop will establish a vigorous root system and produce sufficient growth to weather the winter successfully.

Dehorned Cattle.

Dehorned steers or heifers not only can be handled more conveniently on the farm than cattle with horns, but if put on the market either as stock calves, feeders, or finished fat cattle, will sell for an average of one-half cent, a pound more.

The best time to dehorn is when the calf is from 10 days to one month old. The horns can then be easily killed, and with very little inconvenience to the calf, by rubbing them with a stick of caustic potash until they show a red surface. The caustic stick should be dampened on the end when rubbing the horn and should be held with a cloth about it or with an old glove on the hand. One application will suffice on the younger calves, but after calves are a month old, it may be necessary to make two or even three applications. Yearling cattle can generally be dehorned with safety at this time of year. A dehorning clipper can be used.

Pure-bred cattle should not be dehorned. The shape, size, quality, and position of the horns are characteristic of certain breeds and naturally have a bearing on the selling value. On that account breeders discriminate severely against pure-bred cattle when they have been dehorned.

KILL WARBLE FLIES.

Examine Cattle Carefully Before Turning Out.

The characteristic lumps or swellings which may be found under the skin on the backs of many cattle from January until April contain grubs. If these grubs are allowed to remain, they will complete their growth, drop to the ground and transform to heel flies, which may reinfect the cattle during the spring and summer. The grubs weaken the cattle, cause them to fall off in flesh and milk, and decrease the value of the hide. The beef in the immediate vicinity of a grub becomes slimy and of a greenish color, and is known to the butcher as “licked beef.” On an average the damage to the hides is placed at one-third their value and the loss to each infested animal ranges from \$4.00 to \$6.00.

The grubs may be pressed out through the opening at the top of the swelling. A sharp knife and a pair of tweezers will often facilitate the work of removing the grubs. Care should be taken to crush all the grubs removed, to prevent their further development and transformation into flies. It is advisable to examine the cattle for lumps or swellings over the back every two or three weeks during the winter and early spring to detect the pest. Various oils are often used. The lotion is either smeared over the infested region or applied to the mouth of the breathing hole of the grub. One or two applications will usually be sufficient. The objection to this method is that the wounds do not heal readily unless the grubs are removed.

Some have claimed that the arsenical and coal tar dips can be used in the case of large herds which cannot readily be treated by direct removal of the grubs. It still remains to be determined, however, whether practical means of eradication can be made by the use of dips. Dips applied during the spring and summer will no doubt kill many maggots, and eggs which are attached to hairs on animals' bodies.

The adult of the ox warble is a fly about half an inch long, very hairy, and resembles a small black honey bee. The females in depositing their eggs on cattle worry and torment the animals and frequently cause them to stampede for shelter or water. The fly does not sting or bite, but the animals seem to have an instinctive dread of its approach, just as the horse has for the bot-fly.

Fish oil, tar oil and other substances are often recommended as a spray to keep off warble flies. To be effective, their use would have to be continued during the spring and early summer, and such a practice would be difficult and expensive and impracticable except in the case of small herds of valuable cattle.

Less Importation.

It has been learned that importers are likely to experience considerable difficulty in securing transportation for stock from Great Britain to Canada during the coming summer. This is due to the heavy passenger and freight movement, space for which has been booked well in advance, and to the fact that few ships are available for the carriage of live stock, and many of these can only be equipped at considerable expense. Small shippers are likely to suffer most, in view of the fact that accommodation will probably be refused to all unless a minimum of business is offered. One thousand dollars has been suggested as the minimum which will be required.

The steamship companies indicated their desire and intention to meet the situation in the most practical way possible, and the suggestion was made that, so far as possible, shippers should co-operate in making application for space by planning to assemble their purchases for shipment on a particular boat at a given date. Such an arrangement, it was intimated, would greatly facilitate business and justify the steamship companies in meeting the needs of the shippers. The Live Stock Branch will endeavor to facilitate any arrangement of this kind, and will be glad to receive letters from importers advising of their requirements. It is suggested, however, apart altogether from any assistance the Government may provide, that importers will do well to arrange for own shipment, in so far as possible, in accordance with the plan as above outlined.

Rations for Chicks.

A satisfactory ration for young chicks, as determined at the Ohio Experiment Stations, consists of a mash mixture of two parts by weight of ground corn, three parts bran and one part meat scrap. The mash is fed three times daily until the chicks are four weeks old and then the mixture is kept before the chicks is self-feeders.

From the third day until the fourth week the chicks are given constant access to a trough of dry bran.

During the first two weeks a mash is fed daily made from equal parts of the mash mixture and infertile eggs boiled for thirty minutes and then ground through a food-grinder.

Cracked corn is also scattered on paper twice daily during the first few days of feeding, but later it is given in the litter when the chicks learn to scratch for it. Grit and water are provided at all times.

This method of feeding is con-

tinued until the pullets reach maturity, when they should be given a laying ration.

For the Horses.

Ground flax or linseed may be used in the feed of horses to excellent advantage where required. Molasses is a splendid appetizer, conditioner and mild laxative. Nitro or saltpetre is one of the best blood purifiers; Glauber's salts may be used similarly. Gentian is one of the safest and most efficient tonics. If intestinal worms are suspected use sulphate of iron or procure from your druggist a few worm powders. —G. B. Rothwell, Dominion Animal Husbandman.

More Tractors.

Tractors are not rivalling the heavy horse, as is evidenced by the upward trend of prices for the latter animals, but the mechanical power is becoming more popular.

“There are six new tractors within a radius of five miles of my home near Shakespeare this spring,” stated J. M. McCallum, warden of Perth county, during an interview recently. “A lot of tractors were brought into this section a year ago,” said Albert Hare of Forest on the same date, “and at least a dozen in the townships bordering the village. All the machines are satisfactory, but the majority of the farmers find that they will not displace the horse, but only supplement his work.”

Scales of Big Importance.

Nearly all of the farmer's produce is sold by weight, and it is not enough to stand by and see it weighed on the buyer's scales. You should have a set of your own in your yard so that you may be sure you are getting all that you are entitled to.

Variety In Food.

Variety in making up your rations pays. You might live on bread and potatoes alone, without a change, but you'd get mighty tired of it. So does the cow.

Drinking water, plentiful and warm in winter, cool and fresh in summer, is an absolute essential to heavy milk production.

No one need endure the agony of corns with Holloway's Corn Cure at hand to remove them.

SEASON OF 1920

The Standard Bred Trotting Stallion
JOHN WHITLEY
1813 (6279)



Will stand for mares at his own stable, Watford, all week.

PEDIGREE

Sire—The Clansman 40942, record 2.13 1/2. Sire of King Clansman 2.06 1/4, Archie Clansman 2.12 1/4, Doctor Ike 2.13 1/4, Elsie 2.16 1/4, Celestine (3) 2.19 1/4 and 5 others in 2.30.

Grand sire—The Bondsman 37641. Sire of Colorado E. (3) 2.04 1/4, The Plunger 2.07 1/2, Creighton 2.08 1/4 and 55 others in 2.30.

G-Dam—ALABAMA 215, dam of Fair Margaret 2.07 1/2, Bel Esprit 2.12 1/2 and 4 others in 2.30.

Baron Wilkes 4758, record 2.18. Sorrento (g.b.m.) by Grand Sentinel 280, Hambletonian 1644 (McCurdy's) Emeline (g.b.m.) by Almont Jr. 1764, Beau Belle 13078, 2.19 1/4, sire of 61, dams of 72.

Rosie Morn, by Alcantara 629, Dam of 6. Dam—Borealice 2.11 1/4, Dam of Addition 2.07 1/4, Boreal 2.10 1/2, 2.15 1/4, sire of 73, including Boralma 2.07, Pan Michael 2.03, and 4 others in 2.10, sired dams of 9, including dam of Addition 2.07 1/4, Lizzie Barrett, dam of Garrard 2.10 1/4, Wilkes Boy 3803, record 2.24 1/4, sire of 107, dams of 128, Annie Almont, by Almont Jr. 1764, Dam of Grattan 2.13, Kentucky Lew 2.17 1/4 and Wharburton 2.18 1/4.

4th dam, Bandal's, by Brown Dick. 5th dam, Double Out, by Jack Malone.

DESCRIPTION

JOHN WHITLEY, half-brother to Addition, 2.07 1/4, bred at Piedmont Farm, Huntsville, Alabama, foaled 1914, is a handsome trotting stallion, a rich golden chestnut color, stands 15.3 hands high and weighs 1100 lbs., has lots of bone and substance, with the best of legs and feet, good strong back and fine head and neck. It can be seen by his pedigree that his breeding is hard to beat. Parties having mares to breed should see this fine young stallion before going elsewhere.

TERMS—To insure, \$15.00, payable February 1st, 1921. All accidents to mares at risk of owners, but special care taken to avoid accidents. Mares must be returned regularly to the horse, or the owners will be charged full insurance. Persons disposing of their mares before foaling time will be charged full insurance. Any mare tried to the horse will be considered insured and the owner held liable to return her regularly throughout the season.

G. HOLLINGSWORTH

Proprietor and Manager
WATFORD



“A spin in the country! The hamper full of good things to eat, the tank full of Imperial Premier gasoline and the crank-case filled with Imperial Polarine. Nothing can mar the day's pleasure.”

Thorough Lubrication

IMPERIAL Polarine can be depended on to give you thorough lubrication, to keep the engine running quietly and faultlessly, to take you a 100 miles or 1,000 miles at the least cost for fuel, oil and repairs.

Imperial Polarine forms a piston-to-cylinder seal that maintains compression and utilizes the full power of the fuel. It spreads a thin, yet unbreakable oil film over every friction surface that minimizes wear—it is the perfect lubricant.

Imperial Polarine will not break up under high operating heats. It burns freely with hardly a trace of carbon. Costs less because it saves depreciation and fuels. Sold in gallon and four-gallon sealed cans, half-barrels and barrels, also 12 1/2-gallon steel kegs, by dealers everywhere.

Look for the Imperial Polarine Chart of Recommendations when you buy oil. It shows which of the three grades described below is recommended for your car. Use the grades specified, exclusively.



IMPERIAL POLARINE (Light medium body) IMPERIAL POLARINE HEAVY (Medium heavy body) IMPERIAL POLARINE A (Extra heavy body)

A GRADE SPECIALLY SUITED TO YOUR MOTOR

IMPERIAL OIL LIMITED
Power Heat Light Lubrication
Branches in all Cities

Guide-Advocate

WATFORD, JUNE 25, 1920.

NOTE AND COMMENT

Last week a food profiteer in the U. S. was fined \$10,000. A few examples like this in Canada would cause a rejoicing among the purchasing public.

Speculation in sugar is declared by the Board of Commerce to be an indictable offence. The profit of dealers is restricted to two cents a pound, or five per cent. If sugar boards could be released, these regulations might be easier enforced.

On Friday last the government boosted the postal rates on newspapers, doubled the rate for registered letters, making it 10 cents, and abolished the franking privileges of the Provincial Legislatures in order to raise more revenue for the Post-office Department. The members of parliament still retain their own mailing privileges.

Coal has been reported at Lampman, Saskatchewan, which should produce an important addition to the fuel supply of Saskatchewan and Manitoba. The coal is reported to be of a high carbon content. It consists of seams varying from 4 1/2 to 15 feet in thickness, at a depth of 210 feet. If the commercial product approximates to the reported analysis, this coal will be one of great value to the consumers of these provinces.

With the object of restocking Canadian farms which have suffered through excessive drought of the last two years, an order-in-council has been passed which, in effect, removes the duty from cattle entering the Dominion from the United States from the present time to February 7, 1921. Interviewed on the matter Hon. Dr. Tolmie, Minister of Agriculture, said the move was solely for the purpose named, and the Government hoped to get the southern portion of Alberta and some parts of Saskatchewan back to normal within the present year.

Speculating in sugar is now an indictable offense. The handling of granulated sugar by any other middle man than the wholesaler or retailer is declared unlawful in Canada by an order of the Board of Commerce. A spread of 5 per cent. between refiners and retailers' prices is ordered as a maximum. Refiners are forbidden to increase their prices without the consent of the board, and the resale of raw sugars by refiners, except to other refiners, is forbidden. Retailers are restrained from increasing prices on their stocks to conform to increases in market prices.

Discussing the production of essentials—the main thing to right the high cost of living—the chairman of the Board of Directors of the Kansas Federal Reserve Bank declares that only one-third of the people of the United States are now really producing. "The time was when 75 per cent. of our people were producers, and little trouble was experienced in providing necessities, but now the proportion of producers to consumers has declined to where there are only 33 1/3 per cent. producing, and the wild scramble of the 66 2/3 per cent. to provide themselves with the small quantity now produced has put many of life's necessities almost beyond the reach of the average wage-earner." This may be true in some measure of Canada, but it is emphatically only too correct across the line.

The ripe bean is a form of food very much neglected in Canada. Lack of variety is one of the serious faults in our national diet. Many people seem inclined to use a very limited number of foods and, as far as possible, to make each day's meal resemble those of the day before; while, in other cases, the dull routine of a fixed seven-day cycle prevails. It is well-known that a varied diet is more wholesome than a restricted one, and, especially in these times when good food is scarce and high in price, it is really deplorable to note the neglect of some of the best Canadian-grown food materials, such as beans, peas, Indian corn and barley, while an imported product, rice, remains quite popular in spite of its inferior quality as food and the commercial objection that Canadian money must be sent to some foreign country to pay for it.

Contributions Acknowledged

Geo. A. Reid, treasurer of the Muskoka Free Hospital for Consumptives, gratefully acknowledges the sum of \$62.00 received in Watford by Col. Race, field secretary of the National Sanitarium Association. The amount was made up as follows:—
\$5 each—Andrews Wire Co., Rev. E. H. Sowers, Dr. C. W. Sowers, A. G. Brown, Stapleford & Son.
\$3 each—Swift & Son, J. W. McLaren.
\$2 each—Rev. J. C. Forster, T. B. Taylor, Harper Bros., R. Morningstar, Mrs. E. H. Sowers, Dr. G. N. Howden, T. G. Mitchell, Dr. Geo. Hicks.
\$1 each—Dr. J. Newell, P. J. Dodds, C. Howden, F. A. MacLean, J. Mathews, J. McKecher, W. J. Coupland, W. McLeay, W. J. Trenouth, Miss M. George, T. Dodds, A. D. Elliot, F. A. McLaren, F. Rogers, J. H. Hume.

School Reports

Report of S. S. No. 11, Warwick, for May.
Jr. IV—Carrie Jarricot. Jr. III—Margaret McKenzie, Clara Parker, Stanley Edwards. II—Donald Edwards, Gordon Reycraft. Part II—Muriel Reycraft, Cecil Parker, Beatrice Gault, Cecil Reycraft. I—Margaret Edwards, Velma Parker, (Helen McKenzie, Jean Spalding) equal John Reycraft. Primer—Dorothy Jarricot.
FLORENCE E. EDWARDS, Teacher.

ADELAIDE

The Auxiliary of West Adelaide Presbyterian Church met at the home of Miss Lizzie McLiesh on June 3rd with an attendance of twenty-five members and seven visitors. Collection amounting to \$3.20. The next meeting will be held at the home of the president, Mrs. Lawrence Grogan, on July 2nd at 2.30 p.m. All the ladies of the congregation are cordially invited to attend.

Is your subscription to the Guide-Advocate paid in advance? You will save money by paying it now.

WANT COLUMN.

Five lines and under, 25c.
Six words average one line.
Card of Thanks 50c.

WANTED—A SILO, to move. Must be in good condition.—WILLIAM TAYLOR R.R. 7, Alvinston.

LITTLE PIGS FOR SALE—6 and 8 weeks old. Apply to B. A. HOBBS, R.R. 1, Watford. Phone Arkona line.

LOST—On or about June 10th, a red yearling steer (mooley), from lot 1, corner 4, Metcalfe tp.—GILBERT WOODS, owner, phone 5068, Watford.

WORN OUT HORSES and fallen animals of any kind bought.—LETT BROS., fur ranchers, lot 18, con. 13, Brooke; Rural phone 48-21. Watford P. O. Phone messages at our expense.

ANY PERSON desirous of securing an old established Insurance and Brokerage business and the agency of the C.P.R. should call on the undersigned. Also a comfortable cottage for sale or rent.—JOSEPH H. HUME, Watford. 18-2

BOY WANTED—Good opportunity now open at this office for a smart boy who is willing to learn general printing. A good printer is not made in a month or two, but by years of constant study and experience. Today there is a great scarcity of good printers and the wage scale runs very high for men with good general training. If interested, apply at once.—THE GUIDE-ADVOCATE.

Till July 3rd

ROBSON, of Petrols, will make Post Card Photos for \$2.00 per dozen. Choice of two sittings. Proofs shown. Studio, Archer Block.

TEACHER WANTED

FOR S.S. NO. 9, BROOKE. Duties to commence after summer holidays. State salary and qualifications to
C. J. DOLBEAR, Sec., R.R. 7, Alvinston.

TEACHER WANTED

FOR S.S. NO. 18, WARWICK. Duties to commence Sept. 1st. Apply, stating qualifications and salary, to
JAS. THOMPSON, Sec., R.R. 5, Watford.

TEACHER WANTED

For S. S. No. 13, Brooke. Fully qualified. Duties to commence after midsummer holidays.
EDGAR PRASLEY, Sec.-Treas. R. R. 7, Alvinston.

Sale Register

Wednesday, June 30th, farm stock of implements of Hugh Leitch, lot 23, con. 10, Brooke. Sale at 1 o'clock. Terms—6 months credit.—L. L. McTaggart, auctioneer.

YOUNG LADY WANTED

to learn Typesetting at The Guide-Advocate. Light, interesting work, with good wages while learning. Apply at once.

A BIG JUNE SPECIAL

in Our **LADIES' BLOUSES** and **READY-TO-WEAR WASH DRESSES** at **Swift, Sons & Co.**

MAKING INTO CONSIDERATION the possibilities of bad deliveries and scarcity of materials, we placed on order early this season a very large quantity of Ladies' Wash Dresses and Blouses. We were quite lucky to start out the season with a good stock and the last few days we have been receiving balances of orders that leave this dept. considerably overstocked. In view of this, we are making this week a special effort to reduce the stock in the department.

Lot No. 1	Lot No. 2	Lot No. 3
LADIES' BLOUSES Dainty range, well made, all sizes, at..	LADIES' BLOUSES --Stylish garments, a limited quantity	This range is a big special and will go quickly. Come early.
\$1.15	\$1.60	\$1.75

JUST LOOK OVER THESE THREE LOTS---Then pick out the Sizes and quantities you desire. Be Early--FIRST COME, FIRST SERVED.

Other Lines at \$2.00, \$2.50, \$3.50, \$4.50 and \$6.00

IN OUR MEN'S WEAR DEPT. WE ARE SHOWING A FINE RANGE OF LIGHT UNDERWEAR

A BIG FEATURE IS A BALBRIGGAN LINE well made, in all sizes 79c per garment	HIGH-GRADE BALBRIGGAN Finest Sea Island Cotton per garment \$1.00
-----------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------

Nainsook Combinations, fine summer garment--\$2.50

PANAMA HATS PANAMA HATS

C. H. FOSTER, Photographer

Box 92, KERRWOOD, ONT.
Home Portraits, Groups, Residences and general view work.
CORRESPONDENCE INVITED djy

DRAIN TENDERS WANTED

Tenders will be received by the undersigned up till 4 o'clock p.m., Saturday, the 26th day of June, 1920, for the repair to the 14th Con. and Kelly Drains. Plans and specifications may be seen at my residence, Lot 15, Con. 13, Brooke. Lowest or any tender not necessarily accepted.
11-3t A. E. SUTTON, Commissioner.

D. WATT

ISSUER OF MARRIAGE LICENSES and FIRE INSURANCE.
Apply at Residence, Erie St., or the Post Office Watford.

Eye Headaches

Need Not Be

THERE is no need for anyone to suffer with headaches caused by strained vision. Our special lenses will cure and cure quickly. All you have guessed about your eyes may be wrong.
Visit our optical department and have a thorough examination of your eyes. We can locate any existing eye trouble.

Glasses made to order.
CARL GLASS
Jeweler and Optician
ISSUER OF MARRIAGE LICENSES

CAR OWNERS

Do not throw away that old Tire that has been worn down on the tread. Come in and see us. We will show you how to avoid expense on Tires. We will give you FREE any information on them you want. You will be tickled to death when you see our retreads.

WE MAKE YOUR WORN-DOWN TIRES LIKE NEW
Come in and see some of our retreading. We explain it to you. In our Tire Repair Department we use the best grades of repair materials we can buy, so as to give absolute satisfaction to our customers. Come to the men who know how to repair tires.

Long mileage at low cost. Tires and accessories.
Buy Tires from a Tire Man.

GRAND TIRE REPAIR CO.
KIRK & INGRAM, Proprietors, STRATHROY
FREE AIR IN FRONT OF STORE
AVERY'S OLD STAND FRONT STREET, STRATHROY

ENDORSED BY A VAST ARMY OF SATISFIED USERS



GEO. GRAHAM, Inwood, says:—
"The help to the women folks alone is worth the price of Delco-Light." Also "Electric lights in the barn are the finest thing in the world for tending sick stock at night."

WRITE FOR CATALOG
SPALDING & MORGAN
Watford and Kerwood

DELCO-LIGHT

HEALTHY CHILDREN ARE HAPPY CHILDREN

The well child is always a happy child—it is a baby's nature to be happy and contented. Mothers, if your little ones are cross and peevish and cry a great deal they are not well—they are in need of medicine—something that will set their bowels and stomach in order, for nine-tenths of all childhood ailments arise from a disordered state of the bowels and stomach. Such a medicine is Baby's Own Tablets. They are a mild but thorough laxative which regulate the bowels, sweeten the stomach, and thus drive out constipation, colic, indigestion; break up colds and simple fevers and make the baby healthy and happy. Concerning them Mrs. Albert Hamel, Pierreville, Que., writes:—"Baby's Own Tablets are best medicine I know of for little ones. They relieved my little girl from constipation when nothing else would and I can strongly recommend them to other mothers." The Tablets are sold by medicine dealers or mail at 25 cents a box from The Dr. Williams' Medicine Co., Brockville, Ont.

KERWOOD

Miss May Fonger has returned after visiting friends in Detroit. Mr. and Mrs. Spence of Cadillac, Mich., visited Mr. and Mrs. Meredith Morgan. The Mission Circle will meet at Miss Alice Johnson's on Saturday at 2.30 p.m. All the girls are cordially invited. The Ladies Aid are having a basket picnic and bazaar at Mr. John Johnson's, Saturday, July 3rd. Come along and join in the sports. Over a hundred attended the farewell given Dr. and Mrs. Brown on Friday evening at the parsonage. Dr. Brown was presented with a handsome umbrella and Mrs. Brown with a mahogany tray and cut glass cream and sugar, with a

specially worded address. A short program of instrumentals, readings, solos and speeches was given and a general social time spent. The ladies served ice cream and cake. All went home wishing Dr. and Mrs. Brown success in their new field of labor. The True Blues who are serving ice cream on Mondays and Thursday evenings with the exception of Thursday the 24th, are finding ready sale for it. These young ladies have pledged themselves to raise a certain amount towards the new church.

DEATH OF NORMAN KENNEDY

Injuries received, by being struck by a street car in Pontiac, Mich., on Sunday afternoon, June 13, caused the death of Norman Franklin Kennedy, son of Mr. and Mrs. James Kennedy, townline of Plympton and Warwick. This unfortunate young man, who has only resided in that city about three weeks, was in company with three companions, former residents of this vicinity, viz., Gordon Rawlings, John Hollingsworth and Frank Duffus, and were passing behind a standing street car when another car going in the opposite direction struck deceased. He was taken to the hospital, but the injuries he received caused his death two hours after. Deceased who was in his 30th year is survived by his parents, and three sisters, Mrs. H. M. Bates, Mae and Alma, and three brothers, Will, Fred and Harry, who all reside here. The remains were brought to Forest and interred in Beechwood cemetery on Tuesday afternoon, the services being conducted by Rev. H. D. Cameron, Royal Oak Lodge, No. 108, of which society deceased was a member, attended the funeral in a body and conducted their service at the grave. The pallbearers were:—Thos. Byrns and Geo. Taylor, both boyhood friends of deceased and Wm. Lochead, Wm. Rankin, Livingston Scott and Frank Proctor, members of Royal Oak Lodge.

ARKONA

Mr. C. H. Barnes of Toronto visited friends in Arkona last week. Mr. and Mrs. Watt and son of London spent the week end with friends in town. Capt. Trimble, of Detroit, visited friends in and around Arkona last week. Mr. and Mrs. Sid Smith, of Sarnia, spent the week end in town with Mrs. Smith's mother. Mr. and Mrs. Ranks have returned home after a few weeks visit with their daughter in London. Mr. Don Sutherland, who has completed his course at Queens University, spent Sunday in town. Complete range White Canvas Shoes for Men, Women and Children all styles and all sizes—Fuller Bros., Arkona. The Annual Garden Party of the Arkona Presbyterian Church will be held on the church grounds, Tuesday, June 29th. A good program has been arranged consisting of the Parkhill Band and Quartette, and Miss Joan Raymer of Port Huron, elocutionist. Chairman, J. L. Brown M.P.P. Booth on the grounds. Admission 35c, children 25c.

THE SPITTLE BUG

Mr. W. D. MacKenzie, second line, Warwick, sent a specimen of this bug to the Ontario Agricultural College at Guelph, asking for information and received the following reply from Mr. A. W. Baker, B.S.A., lecturer at the College: The insect specimens which you sent in for examination are Spittle Bugs or Frog-hoppers. These live in the young stages on grass, usually in low lying pastures and form the frothy material about themselves, doubtless as a means of protection. The insect has no economic importance as it is never present in sufficient numbers to seriously affect the grass. It has been claimed that in cases of heavy infestation of pasture lands that there may be injury to stock feeding on it. Personally I do not know of an authentic instance and it is very doubtful if the cattle are likely to experience any ill effects from feeding on grass which is infested with Spittle bugs. Since the insect is of no economic importance, no control measures are necessary.

HEEL FLY

Owing to the rumored anxiety of Lambton County stockmen as reported in the Toronto Globe of Tuesday issue, the following information in reference to the Warble Fly, or commonly known as the "Heel Fly" has been given for publication by the Lambton County Branch of the Ontario Department of Agriculture. The common parasites, known as grubs, warbles, bots, etc. found under the skin of the backs of cattle where they form more or less conspicuous lumps during the latter part of the winter and spring, are the larvae of a fly known as the Heel Fly or Warble Fly. This fly is about one half inch long, very hairy, and somewhat resembles a small black bee. The flies appear early in the summer and are more or less prevalent until the beginning of cold weather. They deposit their eggs on the skin of cattle, fastening them to the hairs. The eggs are often deposited on the hocks above the hoofs, hence the name "Heel Fly."

Although the flies are unable to bite, cattle seem to be much afraid of them and often at their approach make violent efforts to escape; sometimes falling over precipices or becoming mired in water-holes in the course of their headlong flight. As a result of recent studies by various investigators it appears that the tiny grubs newly hatched from the egg may gain entrance to the body by penetrating directly through the skin. Many observers, however, have held that the eggs or newly hatched larvae are taken into the mouth by cattle licking themselves. It is possible, as in the case of several other parasites, that both modes of infection may occur and that the larvae may gain entrance into the body either by penetrating the skin or being swallowed. From the evidence at present available it seems likely that the usual mode of entrance is through the skin. Grubs weaken cattle. Cause them to fall off in flesh and milk and decrease the value of the hide.

TREATMENT FOR WARBLERS

The swellings found along the backs of animals during the winter or spring, and known as Warbles, are well known to stockmen. This is one stage in the life history of the fly. The grub should be destroyed for each grub left means another fly. Pressure properly applied to the swellings will cause the grubs to "pop out", if they have reached a late stage of development. They may more easily be removed by means of slender forceps. Another method of treatment is to force grease or oil into the opening of the warbles, which kills the grubs. Cattle may be treated during the summer with fly repellents to keep off warble flies. The efficacy of repellents against these flies is probably, however, not very great.

EXPLANATION OF FROTHY MASS FOUND ON GRASS

Here and there on weeds, grass and tree, will be found a little mass of froth within which may be found a small nymph, which is busily pumping the sap out of the plant, thus causing the froth which was formerly supposed to be voided by tree frogs and termed "frog spittle" hence the insects of this family (Cercopidae) are called frog hoppers or spittle insects. Within this frothy mass the little nymphs molt and grow, and finally forms a little clear space about its body around which the foam dries, forming a little chamber within which it transforms to the adult. Through very common in evidence, few of this family are injurious.

Eastern Canada Extends Hearty Welcome to Visiting Members of United States National Editorial Association.

Toronto, June 21st, 1920.—With the annual convention concluded in Boston this year, some 130 members of the National Editorial Association commenced at Yarmouth, N.S., a tour of Eastern Canada via the Canadian National-Grand Trunk Railways. They have visited the Land of Evangeline, Halifax, the mines and steel works at the Sydneys, the Bras d'Or Lakes in Cape Breton, the industrial centres of New Glasgow and Stellarton, Truro, Amherst, Sackville, Prince Edward Island (the million-acre farm), historic Quebec, and Ste. Anne de Beaupre, the big power plants and industries at Grand Mere and Shawinigan, and are to-day in Montreal.

This week they will conclude their 1920 tour by visiting Ottawa, the Silver Camps at Cobalt and Gold Mines at Porcupine, the pulp and paper industries at Iroquois Falls, the Lake of Bays District in the Highlands of Ontario, Toronto, Niagara Falls, Hamilton, winding up the trip at Windsor. Altogether, some 3,680 miles will have been travelled in what has been termed "The Million Dollar Special," one of the finest all-steel car trains that has ever been assembled on this continent, consisting of six standard sleeping cars, two dining cars, tourist and baggage cars. The new steel sleepers are of the very latest type and construction, with all modern devices that make for pleasure and comfort in travel. The dining cars are manned by a specially-selected staff, and the excellence of the cuisine has been frequently commented upon by the American newspaper writers. Every possible arrangement for the safety and comfort of the editors while en route is being carried out by an efficient staff of the Canadian National Railways which has been specially assigned to the various duties.

As one of the party has expressed it, "We are travelling in a palace, through a country of marvelous scenic beauty, a land of fertility blest with a wealth of

resources which cannot help but impress us profoundly. We shall leave Canada with the happiest recollections of her progressive spirit and hospitable people."

The party, which represents some 34 States of the Union, have been officially welcomed by the Lieutenant-Governors of Nova Scotia, Prince Edward Island, New Brunswick and Quebec, and have been the guests of each of the cities visited; while numerous special social functions have been arranged for their entertainment. While in Toronto, His Honor the Lieutenant-Governor will hold a reception at Government House. When, at the suggestion of Mr. D. B. Hanna, the President of the Canadian National Railways, Mr. C. A. Hayes, vice-president, went to the Maritime Provinces last winter to arrange a programme of entertainment for the American Editorial Association during their proposed visit, he said, "I regard the visit of these editors as of very considerable importance to the country—important commercially and also politically—and I should like to feel that everything were done that could be done to give them a favorable impression of the country and of us. Last year the same party of people toured the Canadian Northwest, and the articles they afterwards contributed to their papers proved a great commercial advantage to the section of the country which they covered, and perhaps what is still more important, they expressed impressions of the Canadian character which were all to our advantage." That Mr. Hayes was sincerely convinced of what he said is demonstrated by the fact that he, in company with Mr. H. H. Melanson, Passenger Traffic Manager, made the "preparations" tour of the provinces himself.

Altogether, the tour has been of exceptional educational value, and should be one more step in fostering the spirit of amity between the two adjoining countries where peace has reigned for the last hundred years.

PICNIC LUNCH FOR DOMINION DAY

You can secure at this store practically everything that you will require for your day's enjoyment at the lakeside. You can select so many pleasing, palatable foods from our big fresh stock. Come in and let us help you decide on the lunch. We have some suggestions.

Don't Forget White Shoes

If you haven't them already drop in now and get them. So inexpensive and save your good leather shoes---and so cool and comfortable on the hot days. Sizes for All the Family.

P. DODDS & SON

FARMERS

Farmers may open a savings account in any branch of the Sterling Bank and deposit or withdraw money by mail. All money transactions are made by registered letter. Our Bond Department has a stock of high-grade Government and Municipal bonds always on hand. It will supply you with the latest market quotations and transact any buying or selling orders quickly and efficiently. If you desire credit for the purchase of improved equipment, live stock or seed, get in touch with our local Manager. You will find him willing to consider any reasonable loan based on conservative expansion.

THE STERLING BANK OF CANADA

A Bank Account For Your Wife

More and more, are the wives of today running their homes on a business basis—systematically and efficiently. Many wives have a monthly allowance for household expenses. This, they deposit in a Savings Account in The Merchants Bank—settle bills by cheque—and thus have an accurate record of bills paid. Such a business-like method also gives a woman the feeling of happy independence in having a bank account of her own.



THE MERCHANTS BANK OF CANADA

Head Office: Montreal, OF CANADA. Established 1864. WATFORD BRANCH, F. A. MACLEAN, Manager. ALVINSTON BRANCH, G. H. C. NORSWORTHY, Manager.

ROCK GLEN

The Popular Picnic Resort on the AuxSable River, one mile from Arkona, in the heart of Lambton's fruit belt.

We are headquarters for Picnic Supplies. Everything in Groceries, Fruits and Confections. Store open Tuesday, Thursday and Saturday evenings. Bring your order Satisfaction guaranteed

W. A. WILLIAMS ARKONA

Make this YOUR Grocery

Do you know how fresh and clean we keep our stock? How particular we are of the quality of everything? That we are always anticipating your needs and endeavoring to supply you at the lowest and most reasonable price?

If you know all this, you know what pleasure and satisfaction there is in being one of the appreciative customers of this store.

W. D. Cameron

Many farmers use The Guide-Advocate "Want Column" regularly—for selling any stock or machinery or for securing anything they wish to purchase. The cheapest service anywhere—5 lines and under, 25c per week.

WOMEN OF MIDDLE AGE

May Pass the Critical Period Safely and Comfortably by Taking Lydia E. Pinkham's Vegetable Compound.

Regina, Sask.—"I was going through Change of Life and suffered for two years with headache, nervousness, sleepless nights and general weakness. Some days I felt tired and unfit to do my work. I gave Lydia E. Pinkham's Vegetable Compound a trial and found good results, and I also found a very helpful Spring tonic and useful for constipation from which I suffer much. I have recommended Vegetable Compound to several friends, and am willing you should publish this."—Mrs. MARTHA W. LINDSAY, 810 Robinson St., Regina, Sask.

If you have warning symptoms such as a sense of suffocation, hot flashes, headaches, backache, dread of impending evil, dizziness, sounds in the ears, palpitation of the heart, sparks before the eyes, irregularities, constipation, variable appetite, weakness, inquietude, and dizziness, get a bottle of Lydia E. Pinkham's Vegetable Compound and begin taking the medicine at once. We know it will help you as it did Mrs. Lindsay.

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WATFORD, ONT.
This is the school which has experienced instructors, gives thorough courses and assists graduates to high grade positions. The demand upon us for trained help exceeds the number graduating. Commence your course with us at opening of summer term on July 5th. Get our free catalogue.
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CHANTRY FARM
Am now booking orders for eggs from Canada's Best Dorkings and Black Leghorns—winners of most prizes at C. N. R. 1919, also bronze medal and special ribbons for male and female Black Leghorns, utility pens cheaper. Special prices on 50 or more Leghorn eggs.
ED de GEX, Kerwood P.O.

Prospects are reported good for a large apple crop in Lambton.
Sarnia city had 37 deaths and 33 births during May.

NEW SPRING-SUMMER FROCKS



This is a very beautiful frock of peach-colored taffeta and lace with bouffant effect at hip, and ever popular short-sleeve length. It is regarded as just the thing for spring and even early summer.

PROMISE SEASON OF CHECKS

Traveling Coats, Suits and Frocks Will Be Made of Shepherd's Plaids.

Be prepared for a season of checks, Scotch and shepherd's plaids have come from the big manufacturers. One prominent dressmaker, says a writer in the Philadelphia Record, has designed a quantity of new wool materials, from the thickest to the thinnest, for traveling coats, tailormades, or whole dresses. The Scotch tartan appears to have had an effect upon these designers of new materials. They are mostly varieties of very bright colored striped materials—red, green, blue or yellow on a black, navy blue or dark green ground. One does not see all these stripes together, but in series of two, as, for instance, the Scotch diabure with two stripes more prominent than the others. Or in three, as the bright-colored bouclé with big checks, though not so big as those on the diabure piques, where the five stripes imitate machine stitching in one shade, nor those squares in the raluures with green and blue ground crossed with red and green stripes. The largest size checks are seen on the burayella in a single shade standing out from the self color. All the materials are thick and mostly for coats, coat dresses or tailormades. For lighter frocks mouffia is more suitable.

NEW FASHIONS FOR CHILDREN

Spring Modes to Feature Tunic and Eton Effects, According to Announcements.

Tunic and eton effects are to be much featured next spring, and it is announced for the benefit of mothers who do their family sewing early in the year that striking plaid patterns are to be much featured in the gingham, comparatively few plain checks being shown. Cotton crepe will also be very popular for wash dresses for little girls, and it is available in an amazingly attractive collection of colors. Some are straight and of chemise type and smock frocks, combining a skirt and slip-over smock, are to be featured also. Collars and cuffs of white pique on plain gingham dresses will be smart and fashionable, and as they may be made detachable the plan is an excellent one. Nearly every little frock shown is equipped with at least one pocket, but two is the usual arrangement. Colored organdies are to be popular and both plain and figured cotton velvies are shown in the spring and summer styles outlined for children.

Small but Potent.—Farrabee's Vegetable Pills are small, but they are effective in action. Their fine qualities as a corrector of stomach troubles are known to thousands and they are in constant demand everywhere by those who know what a safe and simple remedy they are. They need no introduction to those acquainted with them, but to those who may not know them they are presented as the best preparation on the market for disorders of the stomach.

CARTRIDGE CLOTH NEW GOODS

Material Created by War to Be Treated to Make Suitable for Making Women's Gowns.

Cartridge cloth, a new material created by the war, is being transformed by war department experts into attractive goods for women's wear. Samples of the material, made up in woman's blouses of fetching design, are being offered for sale in New York stores to see how milady takes to it. The cloth is a rough all-silk product, somewhat resembling burlap, and was used in the making of small bags for holding heavy artillery explosive charges. When the war ended large quantities of the material was on hand and to make the goods salable the army experts devised a means of boiling out the gummy substance which gave it the coarse appearance. It was then dyed or printed until the finished product presented a material which the experts believe the women will like.

STYLES FOR YOUNG WOMEN

Soft Woolen Cloth Dresses, With Skirts Short and Tight; Lace and Flowers.

For the afternoon tea, notes a writer in the London Times, young women may wear soft woolen cloth dresses in brilliant colors; bright peacock, bright rose, Indian red, green and turquoise blue, with wing panniers and rough fringes of the same cloth, flat, draped bodices, and high, draped necks. The skirts are short and tight. The high neck in afternoon dresses suits many women well, but not all; that is another detail for the dressmaker. Some women's line of shoulder and head needs to have the throat free, or they look dull and heavy. The long coat, straight and trimmed with fur, fastening down the side and with a wide hanging sleeve, is a graceful tailor-made model. The cloak with a cape, loose behind and fitted in front, chiefly in fur, is another. The founced fur coat is also in favor, but suits only the slim. Monkey fur is still popular for trimming. In coats and cloaks the lining must have beauty. Jet is used more than ever—jet embroidery on colored velvet, jet girdles, jet shoulder straps. Lace grows more popular, and evening dresses are being made in lace and tulle, lace and taffetas, lace and satin. Feather trimmings are rather less in favor, flowers are at the height of their popularity and should be as little like nature as possible. A new sash is made of strands of silk looped at the waist and allowed to hang the full length of the skirt. On a dark dress it may be the one strong note of color. A new fashion is to have a sash of very deep silk, satin, or velvet ribbon passed loosely round the waist and tied in a huge bow in front.

BLOOMERS OF ANKLE LENGTH

Pettibockers Most Comfortable to Wear Under the Narrow Frocks and Suits.

To wear under the narrow frocks and suits one finds the silk pettibockers most comfortable. Pettibockers, no matter how scant they are fashioned, have an annoying way of bunching up in the front, and for this reason bloomers have taken their place. The new pettibockers are really ankle length bloomers, but when worn they resemble a petticoat. When you don that black velvet-clinging gown try wearing black silk pettibockers. A stunning pair for this purpose may be purchased in the shops. The jersey silk extends to the ankles and is met there by a frill of satin closely plaited. Very warm, too, are these.

KEEP SPAT BUTTONS TIGHT

Sagging or Loose Fasteners Spoil Smartness of Modish Coat With Top Matching Costume.

Is there anything more distressing than sagging spat buttons? Buttoned shoes and buttoned spats are the fashion this year and both make the ankle and instep look very trim and dainty when the buttons are sewed on firmly, as they should be. One loose, sagging button can completely spoil the smartness of a modish buttoned costume, or of a dainty cloth spat, and there seems no excuse for the mark of untidiness. Do not wait until the button comes off, but tighten it up the moment it begins to sag loose. Not only does the modern buttoned boot or spat set off the street costume and complete its correctness, but it also gives the ankle a firm and graceful look that is very attractive.

DAINTY TRIMMING

The cascade fringe trimming is dainty.

HEAVY STITCHING

Heavy stitching is an excellent trimming.

Every 10c Packet of
WILSON'S FLY PADS
WILL KILL MORE FLIES THAN \$8.00 WORTH OF ANY STICKY FLY CATCHER

Clean to handle. Sold by all Drug-gists, Grocers and General Stores.

LITTLE GIRL'S PARTY FROCK



This lovely white georgette and lace party frock would be the joy of any little miss.

A Puff in Disguise

The common powder puff may be made into a small gift of real daintiness. A stick, much like the all-day sucker stick of childhood, covered with rainbow-shaded ribbon is fastened securely to the puff. Then, over the outside of the puff, sew more rainbow ribbon, adorned with tiny silk flowers. The decorative quality of the ribbon is rivalled by the usefulness of the stick.

KERCHIEF ADDS TO COSTUME

Accessory Formerly Kept in Hiding Now Must Be in Evidence to Display Good Taste.

Once a pocket handkerchief was supposed to be an inconspicuous article. Its very name implied that. When pockets disappeared it was hidden under the edge of the basque—that was in the eighties. When basques went out, handkerchiefs were tucked into sleeves. Later they hid themselves in handbags. Now, however, they are supposed to show and indeed no one can miss them, for their lively color makes a spot of brightness in the costume. Four gay modern kerchiefs were noted recently. One has a jacquard pattern in blue and black on a gray-blue ground. One has a Persian design printed on a reddish tan background. And two have conventional flower printings on a ground of pastel color. These lively handkerchiefs are to be used with the tailored utility suit or the sport suit. When one is formally dressed for afternoon or evening, the correct mouchoir is spotlessly white, of exquisitely fine linen and may be embroidered delicately in one corner with very small initials.

A Witness Testifies SHE WAS WEAK AND NERVOUS

Brampton, Ont.—"About five years ago I began suffering with woman's trouble. I became all run-down, weak and nervous. I was so completely down and out that I could not do anything, could scarcely dress myself. I had the doctor and took other medicine but without getting better until I began taking Dr. Pierce's Favorite Prescription and his Golden Medical Discovery. It was only necessary for me to take about three bottles when I was completely restored to health and strength and I have been in better health than I ever was before. I have had no use for medicine since, but should I need it I would take these same remedies, knowing them to be excellent."—MRS. HARRY KNIGHT, Jessie St.

OWES HER LIFE

Ft. Saskatchewan, Alta.—"It is with great pleasure that I write the following and I hope it will help the many sufferers who do not know the good Dr. Pierce's medicines would do them if they would try them. In regard to my condition, I will say that I suffered from childhood from a very weak back; I had the misfortune of having spinal meningitis when I was one year old and until I was 13 I did not see a well day, but a very kind lady told my mother about Dr. Pierce's Favorite Prescription and she got a bottle to try it. It did me so much good that mother got me 6 bottles. Recently I happened with a car accident and hurt my back badly. My doctor gave me up and said I would not live, but I still stick to Dr. Pierce's Favorite Prescription and to my surprise in three weeks I was out of bed and better. I owe my life to it and nothing else, and shall never be without it. "If any sufferer wishes to write I will answer with pleasure."—MRS. NOEL BARTHOLOMEW.

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 of Main and Front streets.
Residence—Front street, one block east of Main street.

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WATFORD, ONT.
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KEEP YOUR SHOES NEAT
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I have moved my Plumbing and Tinsmithing business from T. Dodds & Son's hardware store to more convenient premises 3 doors south. Your orders are solicited and will receive my best attention.

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1920 Advantages

- Has deep, wide, luxurious seats, with plenty of room.
- Unsurpassed in anything near its price in riding qualities.
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- Repair parts can be had almost anywhere at very little cost.
- Has real service behind it which has never been attempted to equal.
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Orders are still coming in faster but just now I am getting a good bunch every week. Will be able to give fairly prompt delivery. Once you are in the 1920 Ford the decision is made.

R. MORNINGSTAR

USE THE GUIDE-ADVOCATE "WANT COLUMN"

THE POTATO SHORTAGE

SERIOUS PROBLEM NOW FACES WHOLE WORLD.

Situation is a Serious One, But If the People Who Can Grow Tubers Face It Wisely There is No Reason for Panic, Unless by Some Mischance the Crop Proves a Failure.

This is no time to get panicky, yet, if serious trouble is to be avoided, present conditions should be considered in all their seriousness. Latest world statistics available show an enormous shortage in the international supply of potatoes. It is coming daily that United States is buying more of the potato crop. Their own crop is being quickly marketed and in many sections at the present time a distinct shortage is evident. Conditions in Canada are even more pronounced. Seed potatoes are quoted at the producing points in the United States, and it is frequently impossible to get them at that in many instances. The 1919 report shows some increase over the total that was produced in 1915, but still the shortage continues.

The potato is a prolific producer. It is not an easy thing for potatoes to increase from 15 to 20 times. Records are common where under good management an acre of potatoes requiring approximately 15 bushels of seed potatoes has produced from 250 to 300 bushels of good table stock. This shows the potato to be one of the greatest food producers of any of our crops and gives immediate reason for close attention to the home potato patch on the farm and in town. In fact, it is more in the interests of the home potato patch that we are recording these few thoughts, than in the interest of the great potato crop as a money producer on the farm. With seed at normal prices and the demand as at present, it is altogether probable that next summer would see a general rush toward potato growing. This will be avoided both by increasing the potato crop and by the increased initial cost due to high prices of seed. So that, no disproportionate increase in acreage can be expected as a result of present market conditions, all the more reason why the home ¼-acre patch should be planted for certain and well tended this coming summer.

Cost items of potatoes have increased beyond belief, as compared with statistics of 1914. At present, outside of land costs, we believe the essential items mentioned below will be reached in handling the home ¼-acre this year.

3.75 bushels seeds at \$3...	\$11.75
Preparation of land and cultivation	2.50
Fertilizers and manure	7.00
Spraying	2.00
	\$23.25

Other incidental charges will undoubtedly bring the cost up to \$25 for the ¼-acre patch. If properly tended this ¼-acre patch should produce at least 5 bushels of potatoes, which at \$1.50 per bushel, at digging time would be worth \$7.50.

For seed, if possible, obtain certified stock, that is, seed which has been inspected for plant disease by potato specialists and is pronounced free of diseases and free of mixture of varieties. Where no certainties any good standard stock is satisfactory. For early home use probably Irish Cobbler types stand at the top. Red types, such as Early Ohio and Early Rose, are not as heavy yielders, but are of exceedingly good table quality. For the potato, those of the Carmen or Green Mountain type are good. Seed potatoes should be treated to prevent scab. This is, they should be dipped for twenty minutes in a mixture made up of one pint of formalin to twenty gallons of water. Formalin is a penetrating gas dissolved in water. This attack of the spores on the surface of the potato and kills the spores of the scab.

When the potatoes are growing they should be carefully cultivated and kept clear of potato beetles. Also they should be sprayed five or six times with Bordeaux mixture in order to kill early and late blight, which is deadly to vine growth. This Bordeaux mixture is made up of 4 lbs. of lime dissolved in 4 gallons of water, and 4 lbs. of copper sulphate dissolved in 4 gallons of water, then emptied into 32 gallons of water. Do not mix the lime and sulphate solutions until just before you are ready to spray the potatoes. Mix them in the proportions indicated and good results will be obtained. If you allow the mixed material to stand, chemical action goes on too far, and the power of the spray to kill fungus spores is destroyed.

In preparing the land for potatoes see that it is in as fine tilled shape as possible. It should be dug or ploughed deep and worked up to a fine seed bed. If you can apply a good load of well-rotted manure, so much the better. After this get a 200-lb. bag of fertilizer analyzing 4 to 5 per cent. potash. Dig the holes or strike out the drill row for the potato and scatter a light dusting of fertilizer in the bottom of the holes or along the furrows. Draw in a light covering of soil over the fertilizer before you drop the potatoes and then proceed as usual. The fertilizer supplies readily digestible food

for the young potato plant and gives quick and ready growth to the potato crop. Large potato growers in New Brunswick, Maine and other eastern sections use as high as a ton or over of high-grade fertilizer per acre growing their high-yielding crops of potatoes; this in addition in many cases to a good application of barn manure.

Utilizing the Right of Way.
The ground lying on either side of the railroad tracks, constituting the right of way, that is often cultivated by gardeners in older countries, is a great waste of good land along thousands of miles through the Dominion.

SWINE PASTURE.
Pigs Cannot More Than Subsist on Grass Alone.

In too many cases the kind of pasture provided for pigs is not sufficient in its chemical composition to maintain the animals, and, as a result, a proportion of the grain, milk or other feed added with the intention of increasing or growth of bone or flesh, is consumed in keeping the pig at the weight or size at which it starts on the pasture. Ordinary natural grass pastures such as are given over to a run for pigs on many farms in Ontario contain only such as will allow the pigs to subsist, and if, as is often the case, horses or sheep are allowed the run of the same pasture the pigs barely subsist unless provided freely with extra feed such as garbage or grain, or both, as is the usual practice.

In order to effect a real economy in producing weight of pork by means of pasturing it is necessary that the pasture mixture contain a large proportion of leguminous plants, or consist of a succulent crop with a feeding value that is at least equal to that of rape; and since rape can be grown in most cases more economically than any other crop of equal feed value, it is therefore most generally indicated where some crop other than the leguminous class is desired. A sufficient quantity of either a leguminous crop or rape will more than sustain life in the case of swine. But it is not to be expected that any pasture crop is sufficient to provide for as rapid a gain as is desirable in producing hogs for slaughter. Therefore in feeding such, at least a small allowance of middlings, bran, oil meal or skim milk should be provided while the pigs are small and just starting on pasture, and when they have attained reasonable size; the pasture and the bone-forming supplement must be balanced with some such feed as barley, corn or oats, or a mixture of these.

The above does not imply that the pasturing of pigs on natural grass pasture entails waste, except of possibilities. The exercise provided by such method alone is a benefit to the animals, but the very exercise they receive is sufficient to offset any gain in weight that they can possibly make on such feed by itself. However, this exercise in conjunction with the extra feed needed to make up for it, plus a sufficiency to ensure gains, is likely to produce more satisfactory total results than would a less amount of feed and a lack of exercise. Pigs that have worried along all summer on natural grain pasture with but little supplementary feed, will at this season be in better shape to benefit from a season of rape pasture than those pigs that have been closely confined and fed at greater expense. But they will not fatten on the rape alone. They must have a finishing ration, including grain, in any case.

Children Cry FOR FLETCHER'S CASTORIA

A novel example of tree grafting is found in the orchards of the Ohio Experimental Station, where an original Ben Davis tree contains 400 scions.

Each scion is a representative of seedling or variety apple trees found in many parts of the United States. Horticulturists at the station state that the grafts are made to secure a short-cut way of testing many seedling apples.

Many apple trees have been planted with no means of identification, and it is believed that some of these old apple trees may have fruit of such a quality as to deserve further propagation. The fruit from each graft is gathered as it produces and is tested out for appearance, quality, marketing and culinary qualities. Each graft is numbered with a metal label.

Dogs Are a Menace.
A sum amounting to over two thousand dollars was paid out last year by the township authorities of Darlington, Durham county, in compensation to sheep-owners whose animals were destroyed by stray dogs. This increasing menace is a discouragement to farmers who are endeavoring to again develop an industry which at one time contributed in a considerable way towards the total income of Ontario farmers.

Udder troubles are few in the herd of a cow.

As a vermifuge there is nothing so potent as Mother Graves' Worm Expeller, and it can be given to the most delicate child without fear of injury to the constitution.

REVIVAL IN DAIRYING

GOOD DEMAND FOR MILKERS AND SPRINGERS.

Cheese Factories and the Creameries Are Expected to Be Very Busy This Year, Especially During the Early Summer While the Grass is Green and Plentiful — The Live Stock Outlook.

Stockyard market demand for milk cows and the fact that big runs of calves have failed to bring the real price down, seems to indicate good prospects for the dairy business, and the fact that the producers of the Toronto milk supply were able to accept a lower price than was thought possible a month ago, is a further indication. Considering the season of the year, the milk flow is very satisfactory, and should allow of a record make of cheese and butter. On the other hand there is but little demand for stockers and feeders despite the good prices ruling of late for finished beef, the feed price being yet too high to allow of carrying extra animals over. Farmers are hanging on to their sheep, however, the supply of this stock offered for many weeks past being smaller than usual even at this time of year, and such as to indicate that is not all due to the existence of the lambing season and shearing activities. Hog prices are steadily improving despite threats of a cut which are made weekly, but fail to amount to very much. This



More Dairy Cows Are Needed.

makes it look as though those in the know are satisfied that the hog supply in the country is at a pretty low ebb.

Revival of interest in dairying is an encouraging feature in that it shows that producers are preparing to get settled in their line of production. Dairy farming means hard work and steady application and is not a business to be taken up for a short season; farm land improves under dairy farming practice, and the farmer who sticks to the dairy line, lays up for himself a lot of stock that is of consistent value to himself no matter how the live stock market fluctuates. Cheese prices are likely to be up rather than down this year, and it will be a long time before there is a slump in Canadian cheese, while the present campaign for improved quality in Ontario butter is likely to result in better prices to the milk producers who are patrons of creameries. Farmers engaged in milk production will have to do their part in bringing about improvement in the manufactured product by giving special attention to care of the milk before its delivery to the factory. If those who are venturing more largely in the dairy farming business this year realize this fact and the amount of labor entailed, then we may rest assured that they are satisfied to work for good pay, and to treat farming as a profession rather than as an odd job.

It is a good sight to see horses mentioned again among the live stock receipts at our markets. The consignments are not heavy, as this is impossible, but the fact that every horse used in the woods or during the winter is not snapped up at private sale on the spot when spring comes, shows that there are a few more head in the country this year than last. Farmers who want these work animals for seeding time have to pay high for them, but they are lucky to be able to get anything in the horse line considering the increased acreage that has to be put in this spring and the fact that horse breeding has been "off" for the past three or four years.

Chicken Chat.
In view of the high price of feed can the farmer afford to keep the poor laying hens in 1920?

Given exercise, sour skim milk, plenty of green feed and barley or oats (rolled) the farm flock of layers will give a good account of themselves.

It saves work to let the hens feed themselves—a hopper may be built at home without great expense.

Only the well-fed, well-bred hens will be found in the very heavy producing class. Where the hopper plan of feeding is adopted on the farm, the labor problem is much reduced. If the hoppers are kept supplied with grain there will be much less danger of underfeeding and producing stunted chicks.

Half-Price Sale of MILLINERY

FRIDAY, JUNE 11th, we commence our Semi-Annual Half-Price Sale of all Millinery. Our policy of disposing of every dollar's worth of Millinery during the season for which it was bought is responsible for this sale at a fraction of cost price. Many have been waiting for this event and we would advise you to come early if you would save disappointment.

A. BROWN & CO.

"THE STORE THAT SATISFIES"

SUMMER SCHOOL opens July 5 and 12

Sarnia Business College

and merges into the Fall Term which commences September 7th.

COOL CLASS ROOMS HOURS 8 a.m. to 1 p.m.

Rapid advancement assured all students in Book-keeping, Shorthand, Typewriting, Penmanship, English, etc.

LYCEUM THEATRE, WATFORD SATURDAY, JUNE 26

T. ECKARDT PRESENTS THE

MUSICAL ECKARDTS

SWISS BELL RINGERS
MUSICIANS VOCALISTS ENTERTAINERS
A TON OF MUSICAL NOVELTIES I

SPECIAL ENGAGEMENT THE MILLER SISTERS
CLEVER ENGLISH JUVENILES
IMPERSONATING WORLD-FAMOUS
MUSICAL COMEDY STARS

ADMISSION: ADULTS 75c, 50c CHILDREN 25c
WAR TAX INCLUDED. PLAN OF HALL AT TAYLOR'S

LATE POTATO SPRAYING

Best Fungicides and Insecticides For This Work.

Bordeaux Mixture for Late Blight and Rot — How and When to Spray Effectively — How to Increase Crop Yields.

(Contributed by Ontario Department of Agriculture, Toronto.)

EARLY spraying with Bordeaux mixture and Paris green or arsenate of lead protect potato plants from Early Blight and Potato Beetles. Later sprayings are required as an insurance against Late Blight and Rot of Potatoes, which is the most serious disease of potatoes in Ontario. This disease usually appears about the middle of July if the weather is at all damp. Therefore, it is necessary to begin spraying for it about the 10th of July. Bordeaux mixture is the only satisfactory fungicide for the control of Late Blight and Rot of Potatoes. A poison should be added when necessary for Potato Beetles, arsenate of lead paste, 3 1/2 lbs. to each 40 gallons of the liquid spray, or Paris green 2 lbs. to 40 gallons, or a mixture of 2 lbs. of arsenate of lead paste and 1 lb. of Paris green to 40 gallons. The number of sprayings required will depend upon the season, the wetter the weather the larger the number. In wet weather spraying should be done at least once every ten days or two weeks. Do not put off spraying because it looks like rain. If the spray is on the plants half an hour before the rain comes it will be dry and sufficient of it will stick to prevent infection which takes place during or soon after rain. Most of the failures to get results from spraying are due to the fact that the spraying is done after rather than before rain. Thorough spraying only is effective, and this requires sufficient Bordeaux mixture. For the late sprayings from 75 to 100 gallons or even more should be applied per acre at each spraying. Thorough spraying means the covering of every portion of the potato plants with Bordeaux mixture in the form of a fine mist. This can only be done when the solution is applied with a good pressure so as to insure covering every portion of the plant. The best results are obtained when a potato sprayer is used fitted with a T-joint attachment so as to insure covering both surfaces of the leaves at each spraying. When the plants are large it has been found that it pays to go over each row twice at each spraying. Spraying must be continued throughout August and part of September, even though the plants close in and cover the ground between the rows. Not as much harm as might be expected will be done by the wheels and the increase in yield and soundness of the crop will more than compensate for whatever loss there may be. For convenience in spraying, rows of potatoes should be at least thirty inches apart. Spraying for Late Blight and Rot is an insurance which few can afford to neglect.—Prof. J. E. Howitt, O. A. College, Guelph.

A new experiment in sheep shearing is reported to have been successfully tried on a sheep ranch near San Francisco. A large safety razor weighing over thirty pounds was used in place of the shears to remove the wool.

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PALE AND WEAK

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Many women who had a good color in their girlhood grow pale and colorless when they become wives and mothers. When the fading color in the cheeks and lips is accompanied by a loss of brightness in the eyes and an increasing heaviness in the step, the cause will be found in the state of the blood. Many causes contribute to the condition of the blood known as anaemia. Overwork in the home, a lack of outdoor exercise, insufficient rest and sleep, improper diet—these are a few of them. The important thing is to restore the blood to normal, to build it up so that the color will return to cheeks and lips, brightness to the eyes and lightness to the step. Dr. Williams' Pink Pills are the great blood builder and nerve strengthener. They begin with the very first dose, and through a fair use make new blood that carries strength and health to every part of the body. The appetite increases, digestion becomes more perfect and energy and ambition return. The case of Mrs. Wm. McNish, Abbott Street, Brockville, proves the value of Dr. Williams' Pink Pills in cases of this kind. Mrs. McNish says: "I was quite young when I married, and in raising my family I became all run down and a nervous wreck. I became so weak that I could hardly walk across the floor without sitting down to get my breath. I slept poorly and at times my nerves would twitch so that I could not keep still, and I was in constant misery. I tried many medicines but they did not help me; indeed my condition was growing worse, until one day a friend told me that she had been in a somewhat similar condition and had been cured by Dr. Williams' Pink Pills, so I decided to try this medicine. After the use of a couple of boxes I felt they were helping me. My appetite was better and I slept better. By the time I had used half a dozen boxes I felt like a new woman, my health had fully returned and I could do my housework with ease. In view of what Dr. Williams' Pink Pills have done for me I cannot recommend them too highly." The best time to begin taking Dr. Williams' Pink Pills is the moment you feel the least bit out of sorts. The sooner you do so the sooner you will regain your old time energy. You can get these pills through any medicine dealer or by mail at 50 cents a box or six boxes for \$2.50 from The Dr. Williams' Medicine Co., Brockville, Ont.

Lime to Increase Crop Yields

The soils in many parts of the province are so depleted of their lime that they are becoming sour as few, if any, of our farm crops can make their best growth on a soil carrying an insufficient supply of lime. This is especially true of leguminous plants and it is probable that the frequent "killing out" of clover during the first winter is due to lack of sufficient lime. Lime acts in several ways. It neutralizes the acids formed in the soil through the decay of organic matter; it overcomes the tenacity of clay soils, binds sands together and thus improves the physical condition of both types of soil. Lime is not only an essential constituent of the food of plants, but it also tends to liberate plant food, especially potash, from the insoluble forms in the soil, bringing them into an available state. The micro-organisms that live on the roots of the nitrogen-gathering plants cannot work in an acid soil, nor can some other forms of organisms whose function it is to gather nitrogen. Consequently it is evident that a soil destitute of lime or even very low in lime cannot produce maximum crops. Coupled with these facts, we have the happy condition that lime is one of the cheapest fertilizers, if we may call it such, that can be purchased. Lime or Quick Lime is made by heating limestone rock or carbonate of lime, to a sufficiently high temperature to break up the compound into the oxide of lime and carbon-dioxide. The former substance is what we know in common terms as "fresh burned lime" or "quick lime." If the limestone rock is ground to a fine powder we have "ground limestone" or "agricultural lime." It requires about two tons of this latter substance to be equal to one ton of quick lime, and the prices charged for them are in about the same proportion. Furthermore two tons of the former to one ton of the latter are about the right quantities to apply. The ground limestone rock is safe on any land in almost any quantity, and may be applied at any time of the year. On heavy clay soils quick lime, saked before applying, may give quicker results, but it should not be applied to light sandy soils. Few materials or fertilizers can have so many good things said about them as lime and none of them cost so little money. Try out a little yourself this year.—Prof. R. Harcourt, O. A. College, Guelph.

As a rule the earlier maturing pullets are the earlier and most profitable layers. By marking these the best breeders may be selected.

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