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If you desire information regarding the purchase of such farm requirements as seed, fertilizer, stock, or implements—or financial advice on the buying and selling of securities—

have a talk with the local Manager of the Sterling Bank. He will gladly assist you without obligation.

You will find him ready to help to finance larger crops or larger holdings of live stock.

## THE STERLING BANK

OF CANADA

**The Farmer-Banker Alliance**

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If you want a loan to buy cattle, hogs or equipment—if you want information as to how to invest money—come to those who make a business of financial matters, and are in a position to give you sound and impartial advice.

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OF CANADA

Head Office: Montreal. Established 1864.  
WATFORD BRANCH, F. A. MacLEAN, Manager.  
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**SUMMER SCHOOL opens July 5 and 12**

## Sarnia Business College

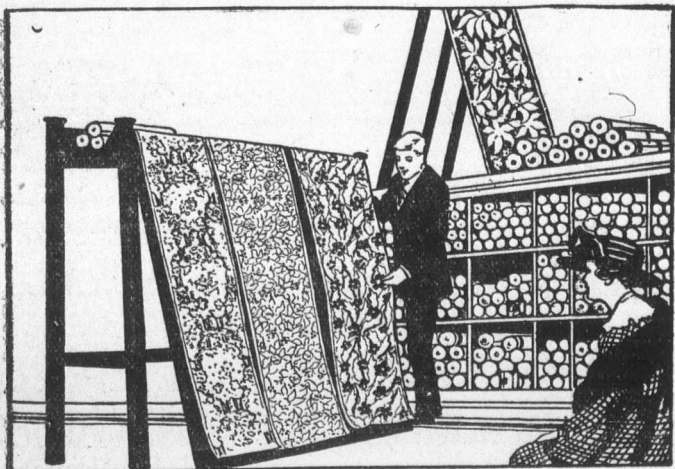
and merges into the Fall Term which commences September 7th.

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

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## ALVINSTON CHAUTUAQUA

July 9th to 13th—remember the dates.

**IMPACTION OF RUMEN**

A Too Common Disease of the Stomach Among Cattle.

Sudden Changes to Very Palatable Food May Invite It—Also the Eating of Over-ripe Hay or Too Much Grain—Symptoms and Treatment Described—Chicken Chat.

(Contributed by Ontario Department of Agriculture, Toronto.)

**I**MPACTION of the rumen or Paunch is one of the most common disease of the stomach of the ox. It is a pathological condition somewhat similar to tympanitis or bloating, but differing in the urgency of its symptoms and method of treatment. It depends upon the introduction into the organ of solid matters to such an amount as to partially or wholly paralyze the muscles by over-distension.

Some foods, as grain, chaff or potatoes, appear more liable than others to cause the disorder, but anything particularly palatable to the animal may be consumed in such quantities if opportunity presents itself. Sudden changes of food, especially if the change be to a food particularly palatable to the animal; over feeding on grain without allowing the animal to take exercise; indigestible food, as over-ripe hay; food of poor quality, even if consumed in only moderate quantities, may cause the trouble. The animal continuing to eat, but not ruminating sufficiently, the amount of ingesta gradually increases in the rumen. We frequently notice a case without appreciable cause.

**Symptoms.**—The animal becomes dull and suffers pain, often expressed by stamping the feet, striking at the abdomen with the hind feet, switching the tail, etc. Respirations usually accelerated, appetite lost and rumination suspended. Bowels usually constipated, abdomen enlarged, especially on left side, but this does not occur as quickly as in tympanitis, neither is it of the same nature. When tapped between the point of the hip and the last rib, a dull sound is produced; and when pressed it has a doughy feel, and the imprints of the fingers do not disappear quickly—it "pits on pressure." There is often a grunt during expiration, especially when the animal is lying. In the later stages tympanitis may appear as a complication.

In mild cases the patient appears to have periods of ease and expresses a desire for food. If food be allowed he will eat a variable quantity with apparent relish, but the symptoms of illness soon become more marked than before.

Treatment must be directed to the removal of some of the impacted mass of food and the restoration to activity to the over-distended wall of the organ. When the distension is not excessive, the administration of a brisk purgative, as 2 lbs. Epsom salts, ½ oz. gamboge and 2 oz. ginger in about 1½ quarts of warm water given as a drench will usually give good results. This is a fair dose for an ordinary sized cow, the dose for smaller or larger animals should be more or less, according to the size of the animal. Follow this up with 2 drams of nux vomica every six or seven hours, allow no solids to eat until free purgation is established. If purgation has not commenced in twenty-four to thirty-six hours give 1½ pints raw linseed oil, and this alternated every twelve hours with 1 lb. Epsom salts and 1 oz. ginger, until free purgation is established. If a desire for food be expressed a light bran mash may be allowed. Allow all the water the patient will drink. In the meantime keep up the administration of nux vomica until puration commences.

If the disease is not yielding to treatment after the second day, something must be given to sustain strength. For this purpose give bouillie flax seed in quart doses five or six times daily (as a drench).

In cases where the early symptoms are extreme, an operation by a veterinarian is necessary.

What is commonly called "grain sick" is simply impaction of the rumen with grain.

When an animal has had the opportunity of eating excessive quantities of grain, the usual custom of shutting in the stable, allowing nothing to eat or drink, and awaiting developments, is absurd. The owner or attendant should anticipate trouble by at once administering a brisk purgative, as for ordinary impaction. Allow nothing to eat, but allow all the water he will drink, in small quantities and often, in hope that purgation will commence before distress appears.

Of course, in cases of "grain sick" where the early symptoms are severe, an operation called "rumenotomy," which consists in cutting into the rumen and removing some of its contents by hand, should be performed by a veterinarian.—J. H. Reed, V.S., O. A. College, Guelph.

William Whitelock, 71 years of age, of North Dunwich, while trimming trees in the orchard of Robert Campbell, fell from a tree to the ground, a distance of ten feet, and broke his hip.

**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

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for Men, Women and Children

So cool and comfortable!

Save money, leather and tired, aching feet by wearing White Footwear these warm days. They are quite inexpensive. Come in today and see our big summer stock—all styles, all sizes. We are sure we can please you.

## W. D. Cameron

**ADELAIDE**

Don't miss Ste. Anne's Church garden party on Thursday evening, June 24th. Attractive program.

**ARKONA**

Mr. Lloyd Jackson, of Toronto, is spending a few days at his home here.

Mr. Thomas Langan attended County Council in Sarnia last week.

A shipment of Millett arrived this week.—Brown Bros.

Mr. M. E. Eastman is in London this week.

A complete stock of Adam and Old Colony Silverware now on hand.—Brown Bros.

Mr. and Mrs. Wm. Smith and Mr. and Mrs. E. Hume of Watford, were the guests of Dr. and Mrs. Hume on Sunday.

Mr. and Mrs. Arthur Stoner motored to Detroit on Saturday.

Mr. and Mrs. Ed. Dickson left this week for Columbus, Ohio, where they intend spending the next few weeks.

Rev. Johnston will occupy the pulpit in the Baptist church next Sunday morning and evening, June 20. All are welcome.

The following is the report of the promotions held in the Arkona Continuation School. Form I to II. Percentage given. Honors—Iva Johnston 78, Joyce Fuller 77.2. Pass—Marjorie Goode 74, Florence MacPherson 72.6, Florence Austin 71.1, Ida Eastman 69.1, Cecil Hoffman 66, Louise MacPherson 65.4, Gordon Murray 64.6, Lorne Gordon 62.5. Promoted on trial—Sarah Cundick 54.6, Stanley Murray 52.1.

V. E. STEVENS, Principal.

**School Reports**

Report of Kelvin Grove School for the month of May. Number on roll 42. Average attendance 38. Sr. IV—Le Verne Kenzie, George James, Jr. IV—Annie McElroy, Annie Main, Illabell Corney, Eric Thompson, Charlie James, Mason Leggate. Sr. III—Clare Thompson, Melvin Bartley. Jr. III—Jack Main, Mary McLeay, Edna Cooper. II—Isabel Tanner, Helen Ross, Maxena Auld, Dougall James, Marjorie Cooper, (Ruby Bartley and Johnny Dolan) equal, Beatrice Williams, Mary Smith, Charles Forron, Ross Kenzie, Alfred Smith. Part II—Reta McLeay, Donald Ross, Edith Kenzie, Charlie Smith. Primer A—Marjorie Tanner, Mary Hay, Ronald Sewell, Chester Bartley, Robert McLeay, Eddie Dolan. Primer B—Elmer Thompson, Myrtle Cooper, Lorne Hay, Clarence Smith, Franklin Kenzie, Margaret McElroy, Marie Cooper.

ANNIE ROSS, Teacher.

**WYOMING**

A gathering of a very unique character for the parish of Wyoming assembled on the beautiful church grounds on Thursday June 10th. The occasion was one of special interest, the object being to extend a hearty welcome to the Rev. Mr. Fry and Mrs. Fry, who have lately arrived from Herschel Island. Mr. Fry has been engaged in missionary work in the Arctic zone for many years. His health having broken down necessitated his coming down to a more favored climate. The people of the parish of Wyoming are to be congratulated upon his appointment to be their spiritual guide. Among those present were the officers of the Women's Auxiliary and representative members from St. George's and St. John's churches, Sarnia, Watford, Petrolia, Warwick, Camlachie, Wainstead and Wyoming, numbering about one hundred, spent a delightful afternoon in social intercourse while the Ladies Guild served a very enjoyable tea. After this the Revs. Canon Davis, Canon Hill, S. P. Irwin and W. M. Shore, R. D., made very appropriate addresses of welcome. The Rev. Canon Hill in the course of his remarks voiced the feelings of the meeting in expressing their hearty appreciation of the faithful service of the Rev. Canon Davis, the retiring Rural Dean, which office he had filled so efficiently for the past twenty-seven years. After a very interesting discussion of the work of the W.A. in the Deanery, it was decided to send financial aid to the Revs. Geddes and Smith, who have been appointed to take up the work at Herschel Island. Mrs. Newton was appointed president of the Deanery organization. The meeting closed with a short prayer service in the church conducted by Rev. Mr. Fry.

RESTORATION of the whipping post and thumbscrews is endorsed by Wm. A. Pinkerton, world-famous detective, as a means to diminish crime. Said he in Detroit, Monday: "I know criminals fear the pain of it, and pain is a lesson better than shame. There is no such thing as reforming a man with soft soap."

Do you really want the "good old days" when there were no Pullmans, fast trains, anaesthetics, telephones, bicycles, automobiles, moving pictures, self-binders, hay loaders, cream separators, phonographs, cold storage, plate glass, gas cooking ranges, incandescent lights, aeroplanes, elevators, fast ocean liners, X-ray photography, typewriters, adding machines, cash registers, asphalt, microscopes, telescopes, linotypes, high speed presses and automatic machines in almost every branch of endeavor? Think it over. Have these things not added something to the measure of human happiness?