

# Hardware.



## Great . . . Bargains

Our stock of Bicycle attachments is complete.

Do not start haying without securing a box of Bickmore Gall Cure.

No home is complete without one of our Gasoline or Coal Oil Stoves.

We have some great bargains in Granite and Enamelware to offer you, such as Water Pails Cream Pails, Preserving Kettles, Rice Boilers, Kneading Pans and Bed Pans.

Brick Houses and Lots for sale. One very desirable corner building lot.

## W. Black.

### Pumps.

I REG LEAVE TO INFORM MY CUSTOMERS and the public in general that I am prepared to furnish

**NEW PUMPS AND REPAIRS. DRILL CURB, RE-CURB, & PRESSURE WELLS.** All orders taken at the old stand near McGowan's Mill will be promptly attended to.

ALL WORK GUARANTEED at "Live and let live" PRICES.

GEORGE WHITMORE.

## Implement Agency!

To our Friends and Customers!

We are HERE to STAY. We like our business and strive to increase it by all honorable means. We believe in giving one dollar's worth for every dollar. We keep nothing but the best line of implements.

**DEERING Binders, Mowers Rakes and Harrows** always keep the farmers in good cheer.

**WILKINSON Plows and Land Rollers** have no equal.

**PALMERSTON Buggies and Democrats.**

**SNOWBALL & MILNER Waggon**—easiest running waggon on the market.

**RAYMOND Sewing Machine.**

**McCLARY Sunshine Furnace and Stoves** for wood or coal.

**DOWSWELL Washing Machine**—that will wash clean, and a Wringer that will wring dry and not tear.

**CHURNS, the best on record.**

**BINDER TWINE** in abundance.

**DILLON HINGE STAY FENCE,** the kind that will keep a duck or ox on their own side of the fence

**HEAD STONES and MONUMENTS** of the best workmanship

**HUGS** that will keep you warm and dry are the kind we handle.

## JOHN CLARK

(McKinnon's old Stand) DURHAM, — — ONTARIO.

### WHY CLOVER CROPS ARE VALUABLE.

Controlling Soil Moisture. Improving The Soil.

At the Conference of Dominion fruit inspectors recently held at the Central Experimental Farm, Prof. Shutt gave a very clear and scientific explanation of the value of cover crops to the orchardist, of which the following is a synopsis.

Among the many advantages to be derived from the system of orchard culture which includes the growth of cover crops, we may cite as the two most important: the control of the soil moisture, and the improvement of the soil.

Conserving soil moisture. Speaking generally, it is desirable that the soil moisture should be conserved for the orchard trees during the earlier months of the season. Up to, say, July 1st., the tree is making new growth and is transpiring through its leaves large quantities of water. Further the swelling fruit is making its demands for water. For every pound of dry matter of leaf or wood or fruit, the tree used at least 300 lbs. of water. Hence, in districts where droughts may prevail in spring or the rainfall be scanty, the importance of surface cultivation is marked. By this means an earth mulch is produced, and thus evaporation checked or prevented. The cover crop system allows of surface cultivation in the spring and early summer months.

Some experiments. Experiments have been made to ascertain the effects of cover crops and cultivation on soil moisture on the Central Experimental Farm for several years. Thus, May 6th, 1901 we found that there was 130 tons more water per acre, to a depth of 14 inches, in cultivated soil than in the adjoining plot carrying a vigorous growth of clover. This means that the latter soil contained but one half the water in the cultivated soil. But grass sod is more exhaustive than clover sod. In 1902, from May to July, trials every two weeks showed that the soil in sod contained from 50 to 100 per cent less water than adjoining soil in cultivation the difference being at times over 200 tons per acre. The drought in the early part of 1903 emphasized these facts and showed markedly the value of cultivation.

In the autumn, on the other hand, it is desirable that the water supply should be diminished, so that vegetative growth should be checked and the wood given an opportunity to ripen before the winter sets in. This is readily brought about by sowing the clover crop in June or early part of July.

Legumes for Improvement of Soils. The improvement of soils by the growth of clover or some other legume is effected by the addition of humus and nitrogen. Experiments go to show that by this means the soil can be enriched to the extent of 100 lbs. or more of nitrogen per acre this nitrogen being appropriated from the atmosphere by the plant through the agency of certain bacteria that reside in the clover roots. It seems more than probable that a good crop of clover turned under will enrich the soil to an extent equal to an application of 10 tons of ordinary barnyard manure. Not only is that valuable and necessary plant food, nitrogen, furnished cheaply by this means, but humus-forming material is added in large quantities, and this by its partial decay is particularly important in ameliorating the physical condition of the soil. And, lastly, the mineral matter stored up in the cover crop is finally set free in forms readily assimilable by the roots of the orchard trees.

Testing dairy herds. The Depart-

ment of Agriculture, Ottawa, has for some time been recommending the establishment among Canadian dairy farmers of co-operative testing associations, somewhat similar to those which have had such a marked effect in increasing the milking capacity and reducing the cost of production in Danish dairy herds. Under the direction of the Minister of Agriculture, an object lesson along that line is now being given in the district about Cowansville, Que., with the Government Cool Curing Room as the centre where the testing is done and the records kept. Arrangements have been made whereby 82 farmers in the vicinity undertake to keep accurate record of the dairy milk yield of each cow in their herds. Samples of both morning and night's milk are taken three times a month and tested for butter fat at the Cool Curing Room. The milk records sheets are collected monthly, and these are compared with the books of the cheese factories to which the farmers send milk, so that a fairly efficient check on accuracy is provided. Some 1450 cows are concerned in this Cowansville cow census, which shows that the large dairymen of that district are alive to the importance of weeding out the unprofitable producers. This testing association is, as yet merely in the experimental stage, but if it works out satisfactorily, it will doubtless lead to a considerable extension of the movement.

Yours very truly,  
W. A. CLEMONS,  
Publication Clerk.

### The Disappearance of the Male Teacher.

Dr. Robins, of the McGill Normal School, Montreal, pointed out two facts in his convocation address which must have fallen upon the ears of his hearers with disquieting significance. He mentioned that the number of graduates—that is of new teachers—this year was considerable smaller than it was last year, and also that scarcely any young men fringed before him, which was an indication that the young men were quitting the teaching profession.

The meaning of this is that teaching is passing from the hands of men into those of women, and that there may even be a scarcity of the latter sort. No one will deny that many of the best teachers in the country are women. There are parts of the delegate and highly important task of training the young which can best be done by tactful and gentle women.

But it is also the serious opinion of experts that growing boys should very largely be under the care of men. There is a certain inspiration of manly leadership which a boy greatly needs, and which he can only get from a manly man. The influence of a thoroughly robust school teacher upon his class of boys cannot be calculated. He puts before them constantly a model of manliness, and high honor, and attractive industry, and clean courage, which leaves its stamp upon their forming minds through all the rest of their lives.

The generation of boys which must always go to school to women and to no one else will lose something very valuable out of their school-day training. They may get as much arithmetic, grammar and history and all the rest from the women as from the men. Our schools should be "manned" with men as well as women, and if we have permitted the financial attractions of the profession to fall so far behind the increasing attractions of competitive callings as to allow all young men to be drawn away from there profession, we have been guilty of a serious betrayal of trust to the generation which is now growing up. Our fathers did not so misuse us.—Montreal Family Herald.

### STRICKEN WITH PNEUMONIA.

Almost Ready to Die—Alonzo W. Douglas, of Woodbridge, was Saved by

### Ferrozone.

"For the benefit of others," writes Mr. Douglas, "I desire to state the results I derived from the use of Ferrozone. Two years ago I was stricken with Pneumonia. So severe was the attack and so reduced was my strength that my life was despaired of. I had the very best medical attention, but made no progress towards recovery. When reduced to practically a skeleton, a kind friend told me of the remarkable powers of Ferrozone. An improvement began almost at once. I gained steadily in weight and strength until Ferrozone made me a new man. I will gladly answer inquiries from other sufferers if they care to have further particulars about my recovery. Ferrozone deserves its great measure of success."

This is but one of the many cases that are being cured every day by Ferrozone. No treatment was ever known to supply a weak system so quickly with strength and energy. No tonic does its work so thoroughly. It is a specific for tiredness, languor, loss of appetite, weakness after fevers, and all debilitating diseases. Ferrozone makes you strong and keeps you strong—in a word it assures health and costs but 50c. a box, or six boxes for \$2.50 at any drug store. By mail from The Ferrozone Company, Kingston Ont Get a supply to-day without fail.

### Glennelg Centre.

We all extend sympathy to the Jackson family in their sore affliction. Most of the farmers are busy haying this week, which is a fairly good crop.

Malcolm Beaton and his son, John, from Berkeley were calling on friends in the burg and attended service at the Centre on Sabbath last.

Mr. Mrs. O. Greenwood from Zion were in the burg on Sunday.

Mrs. George Binnie and daughter, Wilina, visited at the old homestead near Dromore on Saturday and Sunday last.

Mr. Arthur Blair from Zion was welcome with friends at the Centre on Sunday. Come again, Arthur.

The lime burners at Saugeen Valley are busy men this summer as they find ready sale and good prices at the kiln. George Craig is generally on the lead for burning often.

John Fallice, Sr., is in our burg at present.

The Bunesan and Glennelg Centre Sunday School picnic is to be held on Tuesday 12th. The children and some of the larger ones are looking forward for a good afternoon's outing.

Walter McDonald who has been working at Cementville is home for the haying. Walter is by all means a hustler.

Archie Beaton has been on the look out for help and lucky enough he was in capturing Hughie McArthur for the haying and will in the near future be lucky enough to capture some one to assist in the domestic work.

Mr. and Mrs. Binnie were away visiting friends in the vicinity of the Queen City last week.

Mrs. Cameron, of the Valley, is able to be about again. Her daughter, Mrs. LeGard from Flesherton, spent a few days with her last week.

Mrs. McGillivray, at last accounts, was still on her annual vacation in Priceville and vicinity.

Duncan McNab has been busy of late putting up hay tracks in the surrounding country. Duncan is hard to equal.

John McGrath, Pomona, drove through here on Friday for a short cut to Priceville to attend the Workmen's picnic. He was not alone either.

Pat is well and is assisting Mack McMillen at stone work. Jas. Doharty is going to Cedar Rapids near Kansas City for his vacation.

Mrs. John McGillivray is somewhat improved in health. John erected a tent for her and we hope she will continue to get stronger.

John Morrison, Jr., is home from Mount Forest on his vacation. We are sorry to hear that Mrs. Patrick Haley, of Pomona, is quite ill. Her sisters, Miss Annie, of Mt. Forest, and Mrs. Ambrous Haley, of Owen Sound, are with her at present.

Miss Leo O'Neil had company from Durham on Sunday that will be welcome again.

### Chamberlain's Colic, Cholera and Diarrhoea Remedy.

The uniform success of this remedy had made it the most popular preparation in use for bowel complaints. It is everywhere recognized as the one remedy that can always be depended upon and that is pleasant to take. It is especially valuable for summer diarrhoea in children and is undoubtedly the means of saving the lives of a great many children each year. For sale by H. Parker.

## Mid-Summer Clearing Sale

We are going to commence now to clear our remaining stock of Summer Goods. Our fall goods will begin to arrive next month and we must have room. This will be one of the best opportunities ever offered to procure unheard of bargains in seasonable goods. Seeing is believing. Come and see.

— THE CASH STORE. —

## H.H. MOCKLER

## Clean-up Millinery

PRICE and PROFITS are no consideration now. What we're thinking of is clearing out the goods. The profits are yours because all our Summer Millinery is Reduced to Half Price.

### Some Money-Savers of Summer Goods:

#### FANCY COLORED MUSLINS.

More of those Fancy Colored Muslins, reg. 15c to 25c yard, to clear at.....10c yard

#### LADIES' COLORED SHIRT WAISTS.

Reg. 60c to \$1.25 each, to clear at.....39c

#### MEN'S & BOYS' STRAW & CANVAS HATS.

Must be cleared out at once. We're giving special bargains on them, at.....25c and 50c

#### MEN'S FINE SHIRTS.

10 dozen Men's Colored Shirts—just the comfortable kind you're looking for—reg. \$1.00, for.....69c

#### MEN'S FANCY SHIRTS.

We have also a large stock of Men's Fancy Shirts—made of best Prints, Cambrics and Madras in newest patterns—.....\$1.00 and \$1.25

#### SWELL NEW SWEATERS.

Our latest arrivals—for Men and Boys.....50c to \$2.00

### BUTTER and EGGS wanted.

## JAS. IRELAND

REMEMBER THE PLACE — — LAIDLAW'S OLD STAND.

## Prof. Dorenwend

OF TORONTO

The Greatest Hair Goods Artist In America



### IS COMING

—TO—

### DURHAM

Will be at THE MIDDAGH HOUSE, on

WEDNESDAY,

JULY 20th.



Ladies! If you appreciate the added charm and the younger appearance lent to the face by having beautiful hair, do not fail to see the grand assortment of Switches, Bangs, Pompadours, Wavy Fronts and Wigs, which Prof. Dorenwend will have with him. Consultations entirely free and demonstrations given regarding these beautiful conceptions in natural hair.

### Gentlemen Who Are Bald.

Even though you are bald or partially so you can regain your former appearance by wearing Dorenwend's Wigs and Toupees.

They are made to match any shade of hair. They are a protection to the head and a cure for chronic cold in the head and catarrh. They are perfectly fitted to the head and bear no trace of artificiality.

Prof. Dorenwend will take measurements and demonstrate the merits of his wigs.

Don't Forget the Day and Date, Wednesday, July 20.