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## THE SECURING OF BETTER MARKETS FOR CANADIAN FARM PRODUCTS.

Farm and Dairy as a rule does not are to publish articles on tariff questions Space does not permit of their proper disoussion in a purely agricultural paper, An exception has been made in the case of the following report of an address delivered recently by Mr. W. O. Bealey, M.P., at a gathering of farmers in Wentworth coun ty, Although a Liberal. Mr. Sealey was e ected to the House of Commons in a constituency previously Conservative, large's because he advoeated greater protec tion for our Canadian farmers. Sueh pro ection, he contende, will tend ultimately to seet
Editor.

How can we get better markets and prices for our products without being unfair to the consumer? While our distant and foreign marketio are very good, our home and nearby markets are by far the best and most profitable. They are, therefore, the most precious to be preserved.

Universal free trade would give us the best natural opportunities. Free trade, however, is impossible at the present time. We must, therefore, present time. We must, therefore,
make the best of the circumstances as make the best of the circumstances as
we find them, both at home and abroad.

TARIFF READAUSTMENT.
Of the various suggestions for improvement that have been made, a rearrangement of the tariff on agri; cultural products, strikes me as being most practical. While some may say most practical. While some may say
that "Trade Laughs at Tariffs" and that "Trade Laughs at Tariffs" and
still continues to grow, it grows in still continues to grow, it grows in
the direction of least tariff resistance and, therefore, the tariff influences its direction and determines to quite an extent what country shall profit most by it. For instance, very few Canadian eggs are being sold in the United States because the McKinley tariff prevents their sale. Previous to the passing of the McKinley bill we sent millions of dozens of eggs to the United States. No United States steel rails are being sold in Canada. Why p Because the Canadian Tariff prevents
e it is good for Canada, by tariff, to put the whole steel rail trade in the hands of two concerns, only, whe might chance to arrange a combine, why would it not be good for Canada by tariff to put the trade in agricultural products in the hands of our million of Canadian farmers, who are perfectly safu from any possibility of a combine, and whose local competition provides the consuming masses of Canada with their lest and cheapest necessities of life?
If we are agreed on this, it is up to us to arrive at the best method of bringing this about.
an important industry.
In Canada, to-day, we have 500,000 acres in fruit worth about $\$ 150$ an aere, making an investment of $\$ 75$, 000,000 yielding $\$ 15,000,000$ of produce annually. While special statistics for vegetables have not been kept separate, I take it that there is an equal acreage worth $\$ 100$ per acre or an investment of $\$ 50,000,000$ yielding $\$ 10,000,000$ annually and that in the fruit and vegetable industry combined there are 100,000 people engaged. ed there are 100,000 people engaged.
If space permitted I would be glad If space permitted I would be glad
to show how these calculations have been arrived at. Our fruit and vegetable growers represent 10 per cent, of our industrious population, and vastly greater amount of capital than any other Canadian industry except general agriculture. In fact, analgamated with general agricultures as we should be and really are, we are of sufficient importance to have what we believe is for the best interests of Canada if we unitedly and forcefully ask for it. The question is, shall we do this?

IMPORTS OF FORF PRODUCTS.
The trade and commerce returns for 1908 show that $\$ 3,000,000$ worth of pork products were imported from the United States to Canada at two cents a pound, and only $\$ 5,000$ of hams and baeon exported from Canada to the United States at five cents a pound. Our consumers were not benefitted and our producers were seriously injured. Horses worth \$1,

200,000 were imported at a tarifi charge of $\$ 12.50$, on each and only $\$ 000,000$ worth were exported at $\$ 30$ each. Apples, $\$ 182,000$ were imported at 40 c , and $\$ 818,000$ exported at ed at 40 c , and $\$ 818,000$ exported at
$62 \mathrm{c} / \mathrm{g}$. Cheese, $800,000 \mathrm{lbs}$. imported at 3 c . duty and only $173,000 \mathrm{lbs}$. exported to the United States at Bc. duty. Butter $300,000 \mathrm{lbs}$. imported at 4 c ., and only $200,000 \mathrm{lbs}$, export ed at 6o. duty. Eggs, 1,100,000 doz ens imported at 3 c . duty and only 32,000 exported at 5 c . duty. Hay, $\$ 221,000$ worth imported at $\$ 2.00$ and $\$ 243.00$ worth exported at $\$ 4.00$. Flour 43,000 bbls, imported at 60 c . and only $25,000 \mathrm{bbls}$. exported at 25 c . Of wheat nearly $6,000,000$ bushels were imported last year as against only 115,000 exported to the United States, our tariff being 12 c . against them and theirs being 25 c , against us, and recently raised to 30 c ,

WHERE IT WENT
imagine
I do not imagine that all the wheat imported was ground for flour for Canadian use. So far as I can gather it was largely shipped to Great Britain, where it took the place of an equal number of bushels of our best Western wheat, getting the advantage of the extra price and substituting an inferior quality, thereby injuring the reputation of our Canadian product. Unless we are cautious, Lefore long our reputation for wheat in the British market will be injured, as our reputation for bacon has be on by the substitution of non-Canadian product of inferior quality
The items quoted, as well ni many other agricultural products that might be referred to, show that the United States tariff is almost entireIy effective in shutting out our products from their market, whereas our tariff against them permits them to supply our market with a very large guantity of their surplus produet Their consuming population is fifteen times more numerous than ours. Un der perfectly equitable conditions the United States should take fifteen times more of our produce than we take of theirs. Instead the actual results are the other way, to the extent of three or four times. This shows that their tariff management preserves their market for the home prorlucer along agricultural lines to sery much greater extent than does ours.
If the consumer were getting the benefit of this it might be made a modurate excuse for these conditions, but so far as we are able to investigate, it is the importer, speculator and commission man, who pockets the profits, largely on a speculative chane of the slaughter market days in the United States, against which it is difficult to get our anti-dumping clause applied all along the line. This deprives our producers of their fair home market and discourages home production by bearing down the price to them. At the same time the middle men charge the home consumer all he can stand and in many eases much more than the foreign market prices warrant.

## WHAT IB WANTED.

We don't require these products from the United States. Our farmers wives and daughters should keep a million more hens and produce thase eggs, and our farmers keep a million more hogs and supply these hog products and keep 10,000 more horses and supply our requirements in this respect, and 10,000 acres more hay,
(Continued on page 6.)

Issued Each Week

# HOW TO DETERMINE THE GRADE OF A DITCH <br> Prof. Wm. H. Day, Ontario Agricultural College, Guelph 

## Peep-sights for Home-made Drainage Level-Their Use in Getting Accurate Readings-A Simple Method of Determining the Fall-Valuable Information for Farmers.

rfour years of elose contact with drainage problemsin all parts of Ontario, the Department of Physics at the Ontario Agricultural College has come to the conclusion that one of the main rensons why the practice of underdrainage has not become more general is that people have neither means nor method of determining whether they have fall enough for tile drains, and they don't want to go ahead till they find out. Very frequently when you go to make a survey for a man he says: "I just want to know if I have fall enough." Some years ago we devised a simple drainage levelling outfit which any man could have, as it would cost only $\$ 1.50$ to $\$ 2.00$, and which anyone could use to determine whether he had fall enough, as the method is simple. We now have a valuable improvement to that "homemade drainage level" in the form of peep-sights, that make it much more speedy and accurate, and it is my purpose in this article to call attention to the instrument and its use, and to these new sights, which have not been described heretofore.

## homp-madr level and ita war

Fisure I will show the design of the home-made drainage level, and figure II will show its use. When a man wishes to determine the fall in a certain direction he sets up stakes 100 feet apart right across the field, or farm, as the case may be. He is then ready to Legin taking levels. He takes the home-made level and places it between stakes 0 and 100 , sinking the upright firmly into the ground as nearly perpendicular as possible about half way between the stakes and in line with them. He next makes the crosspiece horizontal by means of the spirit level and the thumb screws. Two men are required to do the "levelling," A to sight and B to hold the staff (or measuring pole) and place a target (pencil or something similar) across the staff where directed.
The staff is first stood on the ground at stake 0 and $A$ sights backward along the top of the level and directs $B$ to place the target across the staff and raise or lower it until it is in line with the lovel, and when correct, B makes a note of the number of feet and inches the target is from the ground. When this is done done B moves for ward to stake 100 and stands the staff on the ground there and $A$, without moving the level, turns around and sights forward to the staff, directing B as before. When the target is just level with the instrument $\mathbf{B}$ again notes the reading.
In figure II the back reading was 4 ft .10 in . and the foresight 4 ft .1 in . In both cases the target was level with the instrument, consequentIy the difference in reading must be due to the rise in the ground, and therefore the amount of rise must be nine inches. The height of the instrument is immaterial-the difference between
the two readings will be the same no matter whether it is on high or on low ground.
When the rise or fall from stake 0 to stake 100 has been determined, the level is next ptaced alout half way between stakes 100 and 200 and the rise or fall between them determined in the same way. The level is next set between stakes 200 and 300 and the same operation repeated, and so on over the whole course of the ditch.

is the slowest is the slowest gracie that should be used with small tiles. Larger ones may be laid on slower grades, for on the pame grade water runs swifter in them than in smaller ones and will thus flush out sand more readily. For instance, the water in a 12. inch tile runs considerably more than twice as fast as in a three-inch on the same grade. The fall in the ground surface, however, is not always a test of whether a man can underdrain, for he may put his drains deeper at the outlet than at the source and thus have more fall in the ditch bottom than on the surface. This we often find it necessary to do.
As in determining the rise or fall along a proposed ditch, there are numerous readings which a man cannot "carry in his head," it is necessary to have some little book in which to aote them. We find it convenient to use the form shown in the following table, which gives the field notes on
Drain No. 1 in a certain survey. Drain No. 1 in a certain survey :


Note that in six out of the eight hundred feet sections there were rises, in the other two there wections there were rises, in the other two there
were. The sir rises total 4 feet 11 iviches and the two falls total 11 inches, hence on the whole there was a rise from stake 0 to stake 800 of 4 feet 11 inches minus 11 inches, equalling 4
feet.

## the elevation.

The last column, "Elevation," needs a word of explanation. In comparing the altitude of different towns, for instance, we use the sea-level as a datum plane, i.e., a level of comparison. Toronto Bay is 250 feet, the Agricultural College, 1,150 feet above the sea, from which we learn that the College is 900 feet above the bay. In surveying a ditch we cannot use the sea as a datum, for we do not know how much stake 0 is above the sea, hence we must choose an arlitrary datum. In the example given we have chosen it ten feet below the ground surface at stake 0 . Then the elevation of stake 0 above this chosen datum plano is 10 feet. Since there is a rise of 9 inches to stake 100 its elevation
would be 10 ft .9 inches, and so on with all other stakes.
To find the fall frea any one stake to any other, we have only 'o subtract the elevations as given in the last column. For instance, the rise from stake 0 to stage 800 is 14 ft . minus 10 ft ., equallying 4 feet, the same as we obtained by subtracting the total falls from the total rises. This last column, while not absolutely essential, is the
ple set of sights that would overcome the diffculty and we have now succeeded. Fig. III shows a pair of them. The chief point to note is that each has a peep-hole and a cross-wire. When in use they are clamped on a spirit level, so that the peephole of one is opposite the cross-wire of the other. With these the line of sight is raised sufficiently above the level to avoid the error of refraction, and the most inesperienced can


Fig. 11-The Drainage Level in Use as Described in Accompanying Article
most convenient method of comparing any one station with any other. If starting our survey at the source instead of at the outlet we would choose for the elevation of the starting point some height greater that the total fall to the outlet.
some of the difficultibs.
But to return to our instrument. It is simple and the method of using it is simple, yet we find that many have difficulty in using it because: (1) They are not trained in sighting, and it is difficult to sight accurately along a straight edge: (2) On a warm day the sun beating down on the spirit level heats it, and it in turn heats the air, which is thus made less dense, "thinner" we would say, using a colloquial term, than the air beyond the ends of the level, so that the rays of light coming from the target to the eye are bent-refracted, to use the technical term-in passing from the dense air at the end of the "thin" air over the level, and consequently we see the target higher up than it really is and thus get a false reading.
We are all familiar with refraction, even the youngest schoolboy has put a stick in a pail of water, or maybe a pond, and wondered why the stick was "bent". The rays of light coming from the submerged part of the stick are refracted or lent in passing from the dense water to the dense air,


Fig. 111-A Pair of Peep-sights
making the stick appear too high in the water. Similarly the light from the target in passing from the dense to theless dense air is refracted, giving a false reading. The tronble may be overcome in a measure by sighting along the corner of the level instead of over the top, but even then it is very difficult to eliminate the error entirely, and very hard on the eyes, both of which those who have tried to sight over a spirit level on a hot day know full well.
how diffioulties are ovrrcome.
Since the home-made drainage level was first described we have been striving to devise a sim-
sight accurately with them, as looking through the peep-hole it is very easy to tell when the target is in line with the wire.

At this point it might be well to remark that a dark lead pencil or anything dark makes a poor target for use either with or without the sights. Something pure white is much better, and for a simple reason, both the level and the wire are dark in color and the white target gives more contrast and is therefore more easily seen, more accurate and easier on the eyes as well. A little strip of wood painted white, and which may be carried in the vest pocket, makes a splendid target. We make ours about six inches long and one-half inch wide for half its length and an inch wide for the remainder. The narrow end is used when sighting short distances, up to 50 feet, and the wide end for longer distances. We also cut a slot up the centre of the target for use with the sights, and note the reading through this slot.
With the sights, distances of 150 feet on either side of the level can be read accurately and if a wider target were used greater distances, still might be read, but here comes in another difficulty. One cannot be certain when the spirit level is absolutely level, for it has no graduations on the glass by which one can tell when the bubble is exactly centred. By frequently testing spirit levels with a surveyor's instrument over various distances we know they cannot be relied on for more than 50 feet each way, and consequently we advise against using the home-made level over greater distances than 50 feet.
The body of the sight is made out of one piece of sheet brass bent into the shape shown in Figure III. It is punched and drilled as required, the wire soldered in, and a nut soldered on one end for the set screw. At first we hoped they were so simple that farmers might have their tinsmiths make them up. Every set we made was correct on first trial but, after testing with our surveyor's level several sets made by tinsmiths, we found that it was a pretty difficult thing for them, not understanding the value of absolute accuracy, to get the two peep-holes and the two-cross wires all exactly the same height, and that a small variation made a considerable error in the readings, and that therefore it was
necessary to have a set tested, and corrected if in error, before they could be relied on. Convineed, however, that the sights would be of great practical value to those wishing to do drainage work, I submitted the idea to a firm which has facilities for making the sights accurately and testing them, and they consented to make a small trial lot and, if the demand is sufficient, to make more and keep them in stock for sale.
As these sights must often be carried about in the pocket when not in use, and as the crosswires are very fine and therefore frail, it was necessary to devise some simple means by which the latter might be protected. When not in use the two sights are clamped face to face by a small brass keeper. In this position the wires are absolutely protected and the sights may be convonienfly carried in the pocket.
By actual test with a surveyor's level we know that this simple outfit, consisting of the cross, the spirit level and the sights, is accurate enough for practical purposes and that with it a man can readily decide whether he has fall enough for underdrainage. Moreover, he can determine the grade per 100 feet, and he can also use the same instrument in digging his drain true to
grade.

## Fall Cultivation

A. C. Hallman, Waterloo Co., Ont.

There is a wide difference of opinion to what constitutes the best method of fall cultivation. No hard and fast rule can be laid down. Local conditions and previous cultivation have a great deal to do with it. W. st, however, adhere to the old rule, "What is worth doing, is worth doing well." In the hustle and bustle of a busy fall, especially in a late season, very often things are apt to be done in a slip-shod manner on the cut and cover plan, taking little time to do things well, our effort being only to cover as many acres in a day as possible. We find no fault in how many acres are laid over in a day so long as it is done well.
Good, eareful farmers have given their stubble land a light cuitivation immediately after the crop


Fillirg Silo on Farm of W. E. Vail, Cowasaville, Que. Silo filling is almost completed in some sections of Ontario and Quebec, and is well inder some gections of
districts. The silo hare shown is $30 \times 14$ feet. The olt districts. The silo hcres shown is $30 \times 14$ feet. The ell.
gine used is seven horse power, portable. Mr. Vail
nay be sen standing al the gine used is seven horse power, portable. Mr. Vail
may be seen gtanding at the outter.
was removed, either with a disc harrow, kang plow or cultivator, to germinate weed seeds and retain moisture in the soil. In a dry season, probably the first mentioned is the best implement to do this work.
Good plowing, is the first step to good farming

In this much slippery work is done. Very often boys, or inexperienced men with very little knowledge and no interest in the work, are set to plowing and make a bad imitation of what careful farmers call good plowing.
In nearly all cases the skimmer should be used on the plow and in every case where land has


A Poorly Located Milk Stand
In spite of all that has been said about the impor-
anoe of having milk standy located in places where tative of having milk stand located in places where
the air will be tresh and pure, we continue to eee
lirge aumbers of milk suan large aumbers of milik stands beside the barn to see The one here shown is an example. It is in yards. Edward Co., Ont., puasibly the banner dairy county collects near the siand and runs from the barn yard The owner of such a stand, if out almost under it. heavily ined.
not been previously cultivated. The depth has to be regulated by the depth of soil, which varies from five to seven inches. I call six inches a good average depth in most soils. Deeper plowing can be done in the fall than at any other time
of the year. of the year.
Late plowing is preferable in most cases, provided that it is done before the soil freezes, but
it is safer to start in it is safer to start in time to get it done. The soil. No harrowing should be on late plowed rough and open. Some practice early deep plowing and others surface cultivation. The objection is that it leaves the ground too firm, but a late, deep cultivation with a wide-toothed cultivator, has a very beneficial effect.
Corn ground, if kept clean, is all the better if not plowed, but cultivated the same as if a crop is still on the field. Where the land is weedy, it it is better to plow it. Turnip ground is better to be plowed lightly. Where land is bady infested with blue grass, late, deep plowing, well skimmed, will give the seed a wonderful start ov-
er the grass in the spring or the grass in the spring.

## Danger in Pasturing Alfalfa Hy. Glendinning, Ontario Co., Ont.

In the issue of Farm and Dairy for Sept. 23rd, 1 was pleased to see the testimony of Mr. R. E, Birdsall, of Peterboro County, as to the value of alfalfa and to hear of his success in growing this most valuable of all forage plants. However, it is not always safe to tell the public of all the
success we meet with success we meet with. Mr. Birdsall's success in pasturing alfalfa will not, and cannot apply to the average farm of Ontario where alfalfa may
be grown successfully under careful treatment be grown successfully under careful treatment.
Mr. Birdsall does not tell us what kind of land Mr. Birdsall does not tell us what kind of land he grew alfalfa upon that he pastured. I know something of the character of his farm, which is very rolling and some of it may le called hilly. On hillsides sloping to the south and east which are protected from the bitter north-west winds in the spring, alfalfa stands a fair chance of coming through safe. Then there are certain seasons that are much more favorable than others. Seasons that fall wheat and red clover come through without being winter killed are also favorable to alfalfa.
Fifty years ago it was a common practice in
this part of the country to pasture fall wheat that had made a good growth in the fall. All sorts of arguments wore advanced in favor of the practice, and frequently good crops were obtained, but the practice has been abandoned.
There has been more alfalfa sown during the past two seasons than ever before in Canada. Good catches have been secured and there is a heavy growth this fall. Many think it is a great waste to allow so much good feed to stand in the fields to be destroyed by the frost. They will accept with pleasure the advice of a veteran grower of alfalfa, like Mr. Birdsall, to pasture it, although they have not the same conditions on their farms.
If the writer had been advised 12 or 14 years ago not to pasture his alfalfa fields it would have
been worth hundreds of dollars to him. I think been worth hundreds of dollars to him. I think it is unfortunate that Mr. Birdsall should have told the public at the present time his success in
pasturing alfalfa, as many new beginners are apt pasturing alfalfa, as many new beginners are apt to follow his advice. If next winter and spring are hard on fall wheat and new grass they may
bid farewell to their alfalfa where pastured. bid farewell to their alfalfa where pastured.
In 10 or 15 years from now when we hope that alfalfa will have become a common plant on most of the farms of this country, and we know more
about it, a proper subject to discuss will be "The about it, a proper subject to discuss will be "The
pasturing of alfalfa." pasturing of alfalfa."

## Economy In Cow Feeding

## C. F. Whitley, Department of Agriculture, Ottawa

Testing the milk production of your cows is the greatest means of economizing labor that has ever been devised. Many farmers say that they have not got time to test their cows. The fact is time is so important they cannot afford not to test. I venture to predict that if there is any farmer who does not weigh the milk of his cows he will find, if he commences to weigh their milk, that at least three cows out of twenty are being kept throughout the year at a loss, If by weighing the milk of his cows he can find these unprofitable cows he will le able to get rid of them with the result that he will make more money from his 17
fully so that the best cows can be discovered and the poorest ones weeded out.
In Denmark the farmers have increased the produet on of their cows through careful testing by 66 per cent. If our Ontario farmers will only test their cows in the same way we can add millions of dollars a year to our income from milk.

## Plowing by Steam Power

Steam plowing outfits have fon sears been a feature of western farming. In recent years, however, several of the larger and more enterprising farmers in the eastern provinces have resorted to steam plowing. One of the most noteworthy farms on which the steam plow is being used is Mr. Trethewey's farm at Weston, Ont, Mr. Trethewey is quite enthusiastic over the success of this method of plowing.
The cost of plowing with an eight furrow steam plow, as used by Mr. Trethewey, is 64 cents an acre. Where the acreage is small, say 300 acres per annum is to be plowed, Mr. Trethewey figures out the cost as follows :

| Cost of plowing Interest and sinking fund on $\$ 2,000$. | \$192.00 |
| :---: | :---: |
|  | 375.00 |
| Repairs for one year | 100.00 |
| Total |  |
| Cost of plowing with horses at $\$ 2$ |  |
|  | 600.00 |

Mr. Trethewey writes concerning this plow : "The advantages of the power machine more than offset the difference in price. With the stram plow one can leave spring plowing until ready to seed, and thus get a good advantage over the weeds. This is important in all hoe crops, and saves a good deal in labor later. It makes no difference with the power machine how hard or baked the land becomes. On such ground it works even better than on soft land. The engine may be utilized for many purposes around the farm, such as for running the corn or hay cutters and when not working it eats nothing. "It is true the power plow has its drawbacks. Some of these are that it is not adaptable to plow-


Firrt Prize Herd of Four Ayruhire Calves at Western Fair, London
These calves were all sired by Queen's Messenger of Spring Hill, who is illustrate this ispue, excepting Cashier, the bult calf on the left of the group, whose dam, Edith of Lesme tront cover of
13,000 pounds of milk in her thirteenth year. Hie eight months: she is said to be one of the begt milking dam's record is 47 pounds 10 ounces of milk per day over Mensenger's heifers.
cows that from the 20 now kept, and he will have three less cows to milk and feed throughout the year.
Some people seem to think that if they go in for cow testing they will have to buy pure bred cows. This is not the case. Cow testing is a means by which any farmer can find what his ordinary grade cows are earning for him. Breading records that have been kept carefully, show that only one heifer in five turns out to be a good milker. This shows how necessary it is that the milk records of the cows shall be kept care-
ing hilly land, nor wet land. However, after employing this method of plowing for two years, I am fully convinced that the power plow is going to figure as a factor in our farming operations in the future, but it would appear that the power will not be steam. Electricity or gasoline must be the energy employed. When this is done I am of the opinion that real good results will be ob-
tained."

Photos of farm buidings, farm houses and rural scenes are always welcome for publication,

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CALVES Ratase timo withoot milik STERLE BRIGAB BEED CO., Toronto, Ont

The Securing of Better Markets Continued from page 2)
for we can produce more than our requirements. When our government is so anxious to secure tarith favors in foreign countries, such as France, agricultural interests in order some agricultural interests in order to so-
cure an advantage for Canada of cure an advantage for Canada of
$\$ 8.00$ on a binder, $\$ 4.00$ on a mower $\$ 2.00$ on a rake and so on, feeling that splendid results have been accomplished, would it not pay us at
the same time to give a little more the same time to give a little more consideration to the preservation of
our home markets for our home pre duce? In this, we must 'Play Fair.' 1 met a fruit grower last week who was very anxious to have an increase in the taritt on truit and vegetables
and very properly. When, however, and very properly. When, however,
i told him that the tariti on hay is $\$ 2.00$ coming into Canada and $\$ 4.00$ going to the Unted States and said that we should raise our tariff to $\$ 3.00$ anyway, if not $\$ 4.00$, he said, "Oh, no, I nave to Luy my hay and that amght make it dearer," I replied that iff on all we produced to sell and a low taritt on all we had to buy, and hat we must "Play Fair With the rarmers and give them equal consideration, and in fact "Play Eair" with
the manufacturers as well. We must aim to bring agricultural products all along the line up to their level, and in that way preserve our home market ror our home producer to an equal extent along all lines, until we ind neighbors who are willing to either crade free with us or trade more equitably with us on a more moderate tariff basis. If our farmers approve of this policy they should write to their pariamentary representatives to support their views.

Plan to Revive Sheep Industry The revival of the sheep industry in Ontario, which has been steadily declining, is being attempted by the Department of Agriculture, aided by the Sheep Growers' Association. The method chosen is the establishment of illustration stations in eight counties of the province. One has been already begun by Mr. Wm. Little, near Agincourt, York Cuunty, for early lambs, which will be sold in the open market in Toronto, Another station is being arranged in Muskoka for summer lambs. Six more for winter-
fed lambs will be started in Leeds. Simcoe, Huron, Middlesex, Brant and Victoria counties.
The need for some action is indicated by the fact that from 1901 to 1905 the number of sheep in the province decreased from $1,761,799$ to $1,324,153$, an average of 31,353 a year; and by last year had further fallen to 1,143,-
898 . In the first period the number 898. In the first period the number slaughtered and sold fell from 729,-
148 to 603.736 , 148 to 603,736 , and by last year was
only 545,320 . only 545,320 .
The object of the work, which is being developed under the special supervision of Mr. A. P. Westervelt, is to show that there is a good profit in sheep raising to the ordinary farmer,

LOUDEN'S SANITARY STALLS AND STANCHIONS

and with the ordinary grades of sheop. The farmers being chosen are not experts. They supply their own stock-grade owes and keep account of
the cost, the time spent, the revenue ete., and for this labor are allowed a slight remuneration. The results of their experiments will be made known by the department on the expiration of their tests in 1912, which will al The for the produce of two full years. The sheep are first inspected, so as to prevent any others than the ordinary grades boing used. The farms period, open to anyone during this period, and inen by the farmer in charge.

## Specials for Horses at the Winter Fair

Besides the regular prize money, amounting to over $\$ 8,200$, that is offered for horaes at the coming Wineial prizes Gavelph, a number of special prizes have been secured. These specials are as follows

For three heavy draught colts, registered in one of the records of the Canadian National Records, foaled on or after January 1st, 1907, sired by one stallion and owned by the exhibitor, prize $\$ 50$.
her progeny, registered in the Can-

## Important Notice

The special Breeders' Number of Farm and Dairy will be published December 2nd, not November 4th, as originally an-
nounced. By coming in Denounced. By coming in De-
cember, it will come at a time cember, it will come at a time
of year when it will be of greatof year when it will be of great-
er value and interest to the many live stock men who are readers of Farm and Dairy than were it published on the earlier date. Will our subscribers and advertisers please bear this in mind. Remember the date, December 2nd. Advertising copy should be here one week in advance.
adian Clydesdale Stud Book, (prog eny not necessarily owned by the exhibitor), prize $\$ 25.00$, cash or cup.
Donated by the General Animals Donated by the General Animals Insurance Company of Canada, J. D. Reesor, Manager, 38 Wellington St. East, Toronto.

For the best horse, male or fe male, shown by a resident of the nated by the Brant County Council. 4. For best two Clydesdale fillies foaled on or after January 1st, 1907 owned by exhibitor and registered in the Canadian Clydesdale Stud Book Prize Silver Cup, value $\$ 50$. Donat ed by the Canadian Farm, Toronto. There will also be two classes for delivery horses with outfits. One class will be for single light delivery outfit and the other for single heavy defivery the other for single heavy de-
liver peting in these classes must have been owned and in the actual use of the exhibitor for delivery purposes for at least three weeks immediately prereding December 6th.

## A Difference in Cows

F. Whitley, Ottawa, Ont.

From records being received at Ottawa. from members of cow testing associations, there is apparent a very marked variation in the earning power of the various cows in the same herd. There is every indication of many of last season's variations be ing repeated, such totals will show in many cases $\$ 25$ difference in in-
come between two cows in the same come between two cows in the same
herd. In some herds this is increased o $\$ 40$. In a herd of 11 cows, an eight year old cow gives 4200 lbs. milk and 180 lbs . fat more than a five year old in the same stable during
the same time. Placing a value of only 20 cents a lb on the butter, the
one cow is thus seen to earn over $\$ 40$ This is the other.

There are hundred point to nothere are hundreds of farmers such remarkable whose herds just fable differences between are probably unaware but the owners such differences and will continue of such difference and will continue to be without the information so essential in these days of close margins until a record is kept of the production of each individual cow in the herd Just a few minutes' figuring per of the will add vastly to the interest of the daily milking, besides providing a sure guide for reaping more profit per cow. The keeping o! such records may have a special attraction for some younger member of the family.

I know of nothing that equals powdered alum as a remedy for cuts and wounds of all kinds on animals. It heals the wounds quickly. A sheep that was so badly worried by dogs that I thought it would not live, made a complete recovery after I applied powdered alum to its wounds. One of my horses recently received a deep Wound, several inches long, on the inside of its hind leg. Powdered alum proved a satisfactory remedy.-W. H. Caldwell, Carleton Co., Ont

Pure bred fowls, any standard variety, given away in return for new
subscriptions to Farm and Dairy. Sec advt. on another page.

Keep all steers, dry cows and heifers in fields separte from the milk cows.

## -TheTaxation Ouestion

Want Assessment Act Amended
The campaign having for its object the securing of an amendment to the Ontario Assessment Act, which will give municipalities the power to tas improvement values at a lower rat than land values, is meeting with re markable success. Already, largely through the work of the Central Can of about 170 of Ottawa, the councils of about 170 township, village, town
and city councils have passed resolu and city councils have passed resolutions favoring the amendment. They will join in approaching the Government to have the Act amended.
Individual petitions are being culated for the signature of farmed and others. A petition form that is being circulated for private signature being circulated
reads as follows
The petition of the undersigne Municipal Voters of the Province of Ontario sheweth that;
Whereas buildings, and other improvements, are the products of individual industry, and are acknowledg. ed by all to be beneficial to the com. mumty, and taxing them discouragos their production and is thus detri mental to the interests of the community,
And whereas land values are not thy result of individual ettort, but are the product of the community as a whots and taxing them discourages holding land out of use for opeculation, and encourages putting it to productive uses, thus conducing to the prosperi of the community.
Therefore your Petitioners pray that your Honorable Body will amend the Assessment Act so that municipalit $4 s$ may tax improvement values at fewer rate than land values, the dit ference in the rates, in every case,
be determined by the Municipality be determined by the Municipality
The petition forms are being sent out by L. B. Walling, 75 Yonge $S$ Toronto. Persons who would like ee the act thus amended are invitad to secure and circulate these forms. in the winter on the Bay of Fundy coast
valuable as a fortilizer? Is it the kind of fertilizer to stay in the land or does it leave the land worse after a few yeara use than when you hegan?-Albert Wet. more, Digby Co., N.S.
We know of no easy method of destroying alders. It is good practice in cases where you want to kill trees or shrubs, to cut them during a dry time in the summer when they are in Regard
Regarding kelp, I may say that it is a sort of general term here and might mean quite a variety of sea plants. Of the sea weeds that drift ashore on the Bay of Fundy, rock weed is the most valuable and kelp comes next; while eel grass, which probably comes ashore in the largest quantities, is of the least value. There is no reason why land should be exIt musted by fertilizing with sea weed. It must be borne in mind, however that in using sea weed alone you are supplying practically only one cind of fertilizer. When the land becomes depleted in other ingredients, it will, of course, be less productive. It is, therefore, necessary to supply in some other form the fertilizing ingredients not contained in sea weed.-F. L. Fuller.

## Successful Cultivation

Editor, Farm and Dairy,-I used the King enltivator last season on about 30 acres of land. It cleaned my ground almost entirely. I used the machine first with all the teeth. I went over the ground one Way and crossed it the other way, not running too deep on the start, for sometimes the ground is hard. The more you go over the land the more satisfactory will your results be.
This cultivator does better work When the ground is dry. It brings ground so that the sum surface of the ground so that the sun can easily de-
stroy it. This process should be kept
the ribbers and these will expose the twitch grass to the frost In the spring, all that is necessary is to harrew and sow. The ground will be of cultivation has been follis process this 30 acres of been followed. On and I fous of land, I used no plow best I have on the farm for be the best I have on the farm for ridding
the ground of twiteh grass. When cutting the grain, cut it as closely as possible as it will give the cultivator a better opportunity for doing its E. W. Booth.

## Our Veterinary Adviser

FATALITY IN CATTLE.--Beveral of our toms: High dred with the following symp breathing. very dull, Bometimes pa when red water. They die in a few hours. A
post mortem reven post mortem reveals the gall bladder very h.oody arine. Should aconite full of dark S. T., Haliburton Co., Ont be given?

Aconite should not be
suddeniess of thot be given. The suddenness of death and the darkness is a very fat al anthrax. This and man fatal and incurable disease, and man is liable to contract it by holding post mortems, skinning, ete, which do in different forms, some of Which do not show definite symptoms. There is no other disease that would be hikely to cause so many deaths. The in the is caused by a lacillus taken land. You must have on low lying investigate this tronble veterimarian anthrax, all carcasses must be burned. it is a serious matter and I cannot senture a definite opinion from the
symptoms given. ymptoms given.
The Streetsville (Ont.) Fair was postponed from Sept. 29 to Oct. 25.

## Our Legal Adviser

MARRIAGE LICENSES.-Kindly tell me If a marriage license has to be issued in
the diatrict whare the The district whore the marriage is to take
place? If a man jives in otie province and place? If a man lives in ote province and
wants to marry in ancthir province where does he get his license? pho ino se licenseep $p$ - $X$ ities entitled to ta ue anch In Plis. N., Alberts.
In this province of Ontario a mareither the intent solemnized unless openly proclaimed in marry has veen tended by one of the the church at church with which parties, or-in the forming the ceremony is connected, and where one of the parties bas heen tesident for fifteen dass, or buless marriage license has been or unless The marriage license been taken out The marriage license can be taken out
anywhere within the province, can be proeured the province, and can be procured from persons authsue the same aken out can be used in any part of the province. We are not in a position to state definitely the law in this respect in other provinces than Onta-

## A Neglected Duty

## If you have forgotten to renew your

 circulation $\frac{1}{}$ Farm and Dairy, our oicuation department would appreyour the favor, if you would send in once remittance for renewal at cver, The busy season is now about devote to farmers have more time to small matters whing and looking after glected.Look at the date on the label of subscription has expired, send in
sur your renewal subscription. Don't be tance the times. A prompt remittanee
day.
"

## "Galt" Shingles <br> $$
-0 .
$$



IS IS THE SHEET METAL AGE. antiquity-to have become first proves merlt. The new "Galt" Shingle owes Its enormous popularity and sales-. not to the age, but to the brains of Its inventors and We use only the Best British Galvanized steel Plates-there are none better. Our bold Gothle Tile pattern is very handsome in appearance.
"Galt" Shingles are accurately made, which insures quick and easy application. Covered nalling fianges at both top and sides insures strength and rigidity.


## Barn Roofing

Durable and Ornamental
Let us know the size of any roof you are thinking of covering and we will make you an interesting offer.
Metallic Roofing Co .
MANUFACTURERS TORONTO and WINNIPEG

Fire, Lightning Rust and Storm Proof



[^0]

Our claims for the "Galt" Shingle are firmly based on the superiorlty of its constructional features here illustrated.
We originated the Gale-proof, Closed-end alde lock. We perfected the continuous interlocking, over-lapping, easy-fitting and invisible top lock.

[^1]
tell you about them in Catalog "B-8"-

##  <br> HORTICULTURE <br> Bo

## About Apple Prices

Local prices have advanced mate rially during the past month aithough the prices reported from the export Chief McNeill of the Fruit Division, Ottawa, in his latest report. Grow ers have reported an advance of from 25 cents to 50 cents per tarrel; choice varieties have ardanced some-
what more than this. A very large what more than this. A very large port or long distance market, left the growers at prices running from $\$ 1$ per barrel to $\$ 1.50$ per barrel on portion, who have sold, delivered at
porativel portion, who have sold, delivered at $\$ 2.50$ for winter varieties.
There are great fluctuations in the prices received by the apple growers. Speaking generally, where there are comparatively few apples grown or the orchards are small, the price is
low. Seventy-five cents per barrel on the tree, even, has been accepted this year for good winter fruit, but this only in small orehards. In the neighborhood of large orchards and where orcharding is carried on as a business,
the prices range higher. Prices also are much better in the neighborhood of co-operätive associations than elseWhere, even to those who are not
members of the association. Many ales have heen reported by dealocs who have stipulated for certain varie ties, at prices running from $\$ 2.75$ to $\$ 3.25$ per barrel for No. 1 apples.

## Fall Spraying

The attention of State Zoologist Surface of Pennsylvania was recently fested with scale, which badly inpondent desired to treat as soon as the fruit had been gathered, being afraid that if the spraying were deferred unil late in the season the trees would be beyond redemption. The writer al-

## FALL TERM

## british american BUSIINES COLLEGE

Y. AI, C. A. bullding toronto meaiss os

This school is the oldestand best of its
kind in Counda, and intending students
will do well to write for catalogne T. M. WATSON - PRINCIPAL

THE UTLLLZATION OF WOOD WASTE BY DISTILLATION
 soription of the distilling apparatas used and the principle involved. also
methoda of chemloal control and dif-
 inge. 166 page seventy four engray. This book is eloth.
bound, it will be sent to any ad. drese poat waid on reeelpt any at ad.
Every Farm, Ranch and Merchant needs a s-gailon Tas-Free denatured price soist. A I0pparatus: agents

WOOD WASTE DISTILLERIES CO. 213 to 217 St. Clair Ave., Cleveland, 0 Hlo
so inquired as to spray tanks, and
suggested that while are all right for lime-sulphur, the Bordeaux mixture will go right through them. He, also, wanted to know if either Paris green, or arsenate of lead, can be used in conjunction with lime sulphur. The follow. ing information, which was given by Professor Surface, will be of interest all persons who practice spraying. fore the leaves arop) is to paint all ex cepting the growth that was made this year, with a very thick soap solution or a thick bolled lime-sulphur wash
using either a paint brush or small using either a paint brush or small leaves drop give them after the spraying with the boiled lime-sulphur wash and cut them back well, removing from one-half to two-thirds or more of the tops during the winter time, and in the spring, when the
buds are swelling, give them another buds are swelling, give them another
thorough spraying with boiled lime-sulphurwash. You can either buy thecommercial lime-sulphur, which is on the market, and dilute it with eight times its bulk of water, or make your own by boiling 17 pounds of sulphur with 2 of lime, with sufficient water tic boil it, then strain it and add enough water to make the total bulk 50 gal-
lons. on
"This will destroy disease germs and other insects besides San Jose scale, and it is the cheapest, most effective in killing the scale, and least injurious to the trees of anything that you orchards entirely reslaimed by this method. A year from next summe you will be selling fine peaches from these trees, if you will do this, Be
sure to carry out directiong fully sure to carry out directions fully and
carefully, and next summer cultivate the trees from the early spring until the last of August, Also, give them some good complete commercial fertilizer or plant food, as they will grow help them. Remember that a tree in fested with scale must be cut bach "The painting save it.
The painting at the prosent time is to kill the scale insects that will multiply so rapidly during the fall the winter if prompt action with a paint brush is not taken now. Avoid oils on all kinds of peach trees, and do not undertake experimental work on trees that you value, but follow
these directions with care and save them while you can.
I regard the galvanized iron
tanks as being the best all around tanks you can use. Bordeaux mixtur should not go through them if enough lime is used to neutralize the acid ef or any other metal it shows there is
or not enough lime used. At this writ ing we cannot say that self-boiled
lime-sulphur is ns Of ime-sulphur is as good as Bordeaux Of course, you refer to some substance as a summer spray to prevent diseqs. lime-sulphur, but, as a rule, is not

## Fruit Growers and Gardeners

Fruit growers and gardeners who wish to keep in touch with conditions in all parts of Canada, and with the
latest ideas in cultural and matheter latest ideas in cultural and marketing
methods should subscribe to TuI Canadian Hortioultcrist. The-Op toter number of that publication contains much information of value. In the fruit department are discussed ini phestions as: Overcoming winter injury, propagating blackberries, apple growing in Quebec, packing appliand marketine sprays, fruit packin) and marketing, and many others. Reports from correspondents in all provinces tell present conditions of fruit ters that give other fruit news and
best recipes for preserving fruits of the season are given.
Beasonable work in the home garden discussed by a number of authori ties. Fall work with peonies, how to make a gerden effective, making new lawns in fall, preserving bulbs and tuberous-rooted plants, growing squash, making greenhouses and other subjects of equal importance are dealt with. One article alone is worth the price of subscription for one year. price of subscription for one year,
and that is one that tells what to do and that is one that tells
in the garden this month.
The Canadian Horticulturist the only paper in Canada that is devoted to the culture of fruits, flowers and vegetables. It is a practical publication and is well illustrated. Every person who is interested in these things should become one of its subseribers. The small sum of 60 c , is the subscription price for one vear, and $\$ 1.00$ for two years. Address TH Canadian Horticulterist, Peterboro Ont., and mention Farm and Dairy.

## Fertilizers for Strawberries

## From Bulletin

## of Oreq. Station.

The amounts and kinds of fertiliza rs applied to strawberry fields, in a great measure, depend on what the past crops were, and also in what condition the ground was left. Good
stable manure, well composted, is one of the best fertilizers that can le applied to struwberries. Never apply manure with a large amount of straw mixed with it. Apply the manure be iore breaking the ground, so that it will be thoroughly incorporated into the soil during the preparation for setting the plants. It is sometimes advisable to apply a light coating of stable manure between the rows just
before fruiting and work into the soil with a cultivator
As barnyard manure cannot always be obtained in sufficient quantities commercial fertilizers will have to be substituted. In fact, many growers prefer the latter, as it is easily applied, also will give quicker results.

Commercial fertilizers also have the advantage of being free from weed seeds.
A good fertilizer can be made by mixing together three parts of hardwood ashes to one of ground bone. Apply from one to two tons per acre, depending of course on the condition of the soil.
Nitrate of soda applied when the plants are in tioom has been found to be very good, This fertilizer is very soluble and results are obtained almost at once. The color and size of the plant is improved, and larger fruit is produced. Large applications however, have been found to decrease the shipping qualities of the fruit, as the berries hecome overgrown and soft. In applying nitrate of soda, one should be very careful not to leave particles adhering to the leaves, as it has a very caustic effect on green tissue. If small amounts are used, it can be sown brouacast and the plants brushed, to remove the particles, by dragging a light brush over them. Where large amounts are used it should be drilled in a few inches from the plants, and the soil cultivated frequently to prevent the nitrate from being carried to the surface and deposited where it will burn the plants.

The dry weather has effected the ruit crop but it will be fair. The drought caused the crop to fall off in uncultivated orchards. Cultivated
orchards are looking well.-E. R. orchards are looking
Lonn, Hants Co,, N.s
Fruit crops in the Columbis R'vWalley suffered from spring fros.s nd will be only abont one-half a crop This applies to all fruits. Prices ar R. Bruce, Wilmer, B.C.

The special Exhibition number of Farm and Dairy is gotten up in bright and interesting style. The reading matter throughout is of a ver bigh grade.-E. Terrill, Northumber land Co., Ont.

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## POULTRY YARD

## 

Egg Production Most Profitable E. W. Kitchen, Simcoe Co., Ont. Success in the poultry business, depends on the choice of fowls, whether of table, or both. In the production ine table, or both. In the production of eggs, I find that the Leghorns are food and productive, Lut as a comination, not so good. They do not eed well in coops as they are of an The Minorcas lay larme and are small. re the choice of large white eggs and tility breed, take the Burred a good the Wyandotte or Orpington. After some years' experience along these lines, I have found it a success not to have too many kinds and to stick to them.
From a farmer's standpoint it is better to raise only about 200 chickens. The hens will sit and raise their broods the cheapest. If the hens, say Rocks,are in a good healthy condition, they will cover 15 eggs comfortably,
From experience you will soon From experience you will soon be able to select the most suitable eggs. You egys to be gity expect 12 out of 15 ten hens at one time and give the chicks from three to the other seven. These three hens will soon lay again. As an experiment, two years ago, ed set four hens on 60 carefully selected evgery in May and each hen hatched every egg and raised every chick cin. By the middie of August, I cooped the cockerels and fed them for 20 days, then fasted 22 hours, killed and dry dressed them and shipped to To-ronto- -77 birds averaging four pounds each, realizing 12 cents. a lb.; 148 lbs . results but shows above my average

## Hens Beat the Cows

Vincent M. Couch.
In starting the poultry business it is easy enough to select a breed, but a more difficuit matter to seleet individual merit. It is well known that every breed includes worthless speeiments and poor strains, such as would be unprofitable even under the most favorable conditions. Therefore, care must be taken in the purchase of either eggs or stock.
As this more valuable stock comes into profit, a careful record of their eggs should be kept. It will pay to use trap nests, and, in hatching, note which eggs produce the best and most nigorous and thrifty growing chickens, sirable for develop into the most desirable for both egg producing and brreding. By carefully studying all these characteristics, one will be better able to make a wise selection for uture improvement.
The expense to a farmer in getting started with pure-tred poultry is so smali as compared with that of cows, sheep and hogs, that there should be no hesitation in improving the flocks on account of the necessary cash outlay. Think, for instance, of an ordinaty farmar keeping fifteen or twenty cows. He would think little about
paying $\$ 100$ for a cow or bull to improving 8100 for a cow or bull to improve his herd, or of paying $\$ 50$ for a sheep or hog; but when it comes to laying down even $\$ 10$ for eggs or stoek of pure-bred poultry, he stops. Consider, too, that to-day well-man-
aged farm flocks of 200 or 300 hens are aged farm flocks of 200 or 300 hens are
paving the owner more clear profit in dollars and cents than a great many

A Week for this sized space for Poultry Advertisements. Advertise
Your Stock and Sell it
owenty-cow dairies. It seems that is about time that more farmers woke ed a few dollars in good poultry.

## Poultry Specials

The success of the poultry depart ment of the Winter Fair has Leen due cial prizess that is each year arranged to supplement the regular prizanged Last year the special prizes consisted of cash, silver cups, medals and goods cials are of over $\$ 1,500$. The spercials are distributed so that all varielies have an opportunity of compet-
ing, but competition is ing, but competition is open only to those exhibitors who make a donation to the special prize fund.
It is optional for each exhilitor to give whatever amount he wishes if his tary a p is received by the secre fore October 15. After thoronto, be amount must be at least $\$ 2$ in cash. All intending exhibitors should arrange for their contribution before the 15 th inst., so that it can be included in the list for the coming ahow which will be published and reads for distribution about the loth of Novem-

## Green Bone vs. Dry Bone

this winter but ground bones $t \in$ my hens Can get any amount cat have them green. is from a soup pot, and would lis know how they pot, and would like to fresh bonesp-W. A., Hants Co., N.S. One of the first essentials in any feed is palatability. If the hens are fond of the feed they will eat more of it and as a rule give better returns. In this case, the hens prefer the green cut bone and for that reason the green bone should give better results. As for the analysis of the two, there is very little difference. Having been always told that the dry
bone did not contain as bone did not contain as much feed-
ing value as the green and onsiderable of the green and having I thought it would be wise to make of test. Mr. Hammond, assistant in thi chemical department at Macdonald College, made the test. He took number of green bones from a beef carcass and divided them into two lots. Each lot contained the same number of similar bones. One lot Was ground green and analysed; the other lot was boiled for seven hours, then ground and analysed. The fol-
lowing was the result: $\square$ -

$\begin{array}{llllll}\text { Green } & .27 .00 & 10 & 39.56 & 19.98 & 3.46\end{array}$ $\begin{array}{lllll}\text { Dry } & \ldots & 26.37 & 10 & 53.89 \\ \text { This } & 6.30 & 3.44\end{array}$ This shows that as far as the protin is concerned there is very little
Cifference.-F.C E.

## Trouble with Turkeys

When my young turkeys were about two swelting in their heads of them had a and bills. The swelling was the eyes to prevent them seeing was so large as tell me the cause, and a remedy-J R Bruce Co., Ont.
Such a swelling may occur with different diseases. "Black head" is sometimes accompanied by a swelling as is also colds and roup. Just what it is one cannot say from the meagre description. Blackhead is incurable when at that stage, so it might be all sick hird for roup. First, isolate all sick birds and move all birds to clean quarters and runs. Kill birds that are bad and dip the heads of those slightly affected in a 10 per cent. solution of potash and water. Swab out the mouth and throat also. If the trouble is growing, send a live bird to the Bacteriology Department, Macdonald College, Ste. Anne de Bellevue, Que., by either Canadian or vominion express and Dr. Harrison will examine the bird. Prepay ex-
press charges.-F. C. E.


Quality in Telephones

Quality is what you should consider when you are buying a telephone. Price is a secondary consideration

## Independent Telephones

The Canadian Indefendent Triephones are guaranteed for ten yoars. They are not the lowent priced telephones, but they are the best value on the mark The best is always the cheapest in the end

## Proof of the Statement

Proof of this tatement is found in the fac that companies which had bes using telephones that cost less money, are now, after a pratical test, using Canadian Indipendent Telephones and $\quad$ gladly paying the difference. It saves trouble and when you get quality

## You Want a Telephone

If you have not a local telephone line in your community, write is for particulars of what others have done. Ask for our No. 2 Bulletin.

## Don't Be Misled

Nothwithstanding any representations made to the contrary, we again state that we are the only company actually making telephone equipment in Canada that is not owned or controll ed by the Bell Telephone Co. We are a purely Canadian company building up our business on the quality of our tele-

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FARM AND DAIRY PETERBORO, ONT.

## GAMES OF CHANCE AT FAIRS

When the Ontario Department of Agriculture, some four years ago, undertook to stamp out the practice of allowing the operation of games of chance at fall exhibitions, its action met with general approval in spite of the fact that offcers of a few individual societies were inclined to regret the loss of money derived from the sale of such privileges. At that time it was deemed advisable to make the law dealing with this matter more stringent so that it would reach the officers of societies who permitted the presence of games of chance on their uxhibition grounds. The law as it stands to-day reads as follows :

The officers of any such society shall prevent all immoral or indecent shows and all kinds of gambling and all games of chance, including wheels of fortune, dice games, pools, coin tables, draw lotteries, or other illegal games at the place of holding the exhibition or fair, or within three hundred yards thereof, and any as-
sociation or society permitting the same, shall forfeit all claim to any legislative grant during the year ensuing.'
A further clause in the act restricts the officers of societies from even permitting such devices on the grounds, whether they are operated or not. In spite of all that has been said and published on this question, we find that the evil is again making its appearance at some of our fairs. The Ontario Department of Agriculture should see that the law is enforced. Not only should the operators of these games of chance be heavily fined, but the offending societies should lose their grants as the law provides. This would result in a tremendous howl from the sections affected, but the country at large expects that the Government will have sufficient backbone to deal with this matter withont fear or favor. One or two lessons of this kind would be sufficient to make all the other societies in the Province doubly careful in keeping their exhibitions free from undesirable elements of this nature.

## THE POSITION OF THE FARMER

The farmer is said to be the most independent of men. This is true in so far as securing the necessaries of life to make a living is concerned. He is not at the beek and call of the public. Is he getting the full share of what is due to him, considering the amount of capital invested and the labor and thought put into the business? Another question: Is he taking upon himself the full responsibility of eitizenship that the country expects him to assume? Judging by the number of farmers who represent us in our Local Legislatures and the Dominion Parliament we must come to the conclusion that he is not. There is something wrong. Is it that he is incapable
When the farmer is placed alongs side of the professional man in the township or county councils, the school board, or the directorate of our agricultural societies, we find him their equal in transacting the business in connection with these different public institutions. We often find him backWard about being the first to express himself. Not that he does not know or is incapable of putting his thoughts lefore the public in a clear and intelligent manner, but rather from shyness brought about by his isolated life on the farm. On account of not coming more frequently in contact with the public and of little practice in expressing his thoughts before the public, he is often reticent.
It is the duty of the farmer to himself, to his fellow-farmers and to the publie, that he should educate himself along those lines so as to fit and take upon himself the full responsibility of citizenship. This can be accomplished by meeting together and discussing the various problems and interests of our occupation and country in farmers' clubs, granges, institutes or other public meetings.
There is no man so well qualified to represent the farming community in our Legislatures or Parliament as a bright, clear headed, intelligent far-
mer, no matter which political party he may be allied with. It is human nature for men to look after the business they are most interested in. Whether a farmer, who is a representative, may call himself a Grit or Tory, he will be sure to look after those affairs that are the common interest of the farming community,

## AN UNFAIR PRINCIPLE

Farm and Dairy believes that all farm improvements should be exempt from taxation. A farmer recently took exception to this principle. He claimed that as a general rule, the farmers who have fine barns and buildings have the most money, and, therefore, they should be taxed more heavily than farmers in less prosperous ircumstaliees.
There are two fundamentally weak points in this objection. What would be thought of the village storekeeper if he told Mr. A. that he was going to charge him seven cents a pound for sugar while he charged Mr. B. only five cents, because Mr. A. was better off and therefore could afford to pay the increased price. Of course, no one Would permit of such discrimination. Yet that is what we are told we should do by law in regard the payment of taxes.
It is unsafe to conclude that because a man has a fine building he is better off than a neighbor who has neglected to improve his home and his farm. The former may have a mortgage on his fine building and his neighlor may hold the mortgage.
In Alberta, all improvements are exempt from taxation. The local municipalities have the power to impose taxes on farm improvements if they so desire. None have done so.
An agitation is under way in Ontario, which sceks an amendment in the assessment act which will give municipalities, the power to tax improvement values at a lower rate than land values. Over 150 municipalities have passed resolutions favoring this amendment. Petitions are being circulated among farmers for signature This is the right way to secure the desired amendment.

## ILL HEALTH IN THE COUNTRY

## A writer in one of the large cit

 dailies recently referred to the great amount of ill-health encountered in the country. He said: "Everywhere one finds men and women who are broken in health early in life, and the usual cause given, is over-work. The opinion lls in the towns and cities $1 \quad$ country is above everythinghealth. Cit hids are ordered to the country to recuperate. The simple fact is that unless the health is cared for in the country, breakdowns will occur just the same as anywhere else. Many country people work too hard, and suffer from it, but many more suffer from neglect of the simple rules of health." Unsanitary conditions are just as disastrous in the country as elsewhere. The writer quoted is in a large measure correct in his statement. Too many persist in living and sleeping in unventilated houses,
and because many people regard "doctoring" as a sign of weakness obvious symptoms are neglected until ailments have a firm hold and then the breakdown occurs.
A more general use of modern con veniences and labor-saving devices, some of which cost us little compared with the results they give, would do much to better the conditions noted
Reducing the cost of production is the way to make any Lusiness profitable. It is no longer profitable for a high priced man to follow a team with d single furrowed plow. The same man can do double the work with three or four horses that he can do with the single plow. The double furrowed riding plows that are now man ufactured give excellent satisfaction As good work can be done with them as with the single furrowed plow Larger implements, heavier horses and larger fields are factors that lead to greater profits on the farm

How farmers can reconcile them selves to leaving such complicated machinery as Linders exposed to the weather after they have finished har vesting is hard to comprehend. Were manufacturers so careless of their machinery as indications would lead one to suppose many farmers to be they would shortly be driven out of business. The period of usefulness of a binder is short enough at the best of times, but it can be prolonged ma terially when the binder is given proper care and shelter.

## Off Flavored Cheese

A number of complaints have of late been made regarding the inferior quality of cheese received in Montreal from factorymen, reports the Trade Bulletin. The trouble has invariably been traced to farmers who in many instances have allowed their milk to stand in the stable all night to absorb the stench arising from the manure of the animals, whilst in other cases the milk has been diluted with water. But through the good work of government inspectors, the guilty ones are being discovered and punished; a number having been fined pretty heavily.
One of the more recent cases was that of a farmer who had been suspected of tampering with his milk before taking it to the factory. The government inspector dropped round at the farm in question quite casually, and tested the milk and found it up to the standard. He then went to the factory and awaited the delivery of this same milk, and submitted it to a further test when to his astonishment he found that no less than 20 per cent. of water had been added thereto. This case was brought before the Court and the farmer was fined $\$ 50$.
In quite a number of such frauds the losses have fallen upon the factoryman who has had his cheese cut one cent to one and a half cent. or two cents a pound, for being off flavor, or from some other defect over which he had no control. The government inspectors are to be commended for the manner in which they are stamp. ing out these fraudulent practices.


The Cleanest of Dairies
Milk from the Brookside farms re tails in New York City at 20 c .
quart and the quart and the cream at 72 c . a quart as compared with 8 c . for milk and
40e. for eream of ordinary grades The Brookside Farms Dairy is owned and managed by Mr. S. L. Stewart Newburg, located about 60 miles from New York, on the western shore of the Hudson. This dary is the only one solutely pure milk, the bacterial an absolutely pure milk, the bacterial count
at the marvelously pure milk at the marvelously pure milk as pro-
duced on this farm, as taken by weekIy samples in the year 1908 was less than 165 per cubic contimeter (about half a teaspoonful). The remarkable purity of this milk is apparent at a glance when it is known that the the average farm dairy is from 1,000 , 000 to $5,000,000$ per cuisc centimeter, The milk that is classed as "Certified" milk by the medical commissions in the large cities and which is ordinarily conside od very pure may contain as many us 30,000 bacteria per cubic
centimeter and will pass as "Certicentim.
fied."
As further evidence of the exceptional purity of Brookside milk, it is recorded by the milk commission of
the Medical Society of the county of New York that on Fel. 3, 1908, a quart bottle of Brookside milk bottled on Jan. 28th was opened and the contents partly used. The bottle was then recapped and left standing all
day on a desk in a warm room. It was then put in a refricerator. It again opened on Feb. 17, or 20 days after it was bottled, and the contents
were found to be still porfeety On another occasion, Mr. Stewart, the
On proprietor of the farm, placed a botthe of this milk in a refrigerator and
it was found to be sweet it was found to be sweet after re-
maining there 43 days. This absotately coan mik is simply the result of infinite painstaking and watchfulness as will be seen from the following brief description of Mr. Stew-
art's methods and work.


A Dairy Barn that is an Clean as'it is Possible to Make it
A Visitor at Brookside Farm once remarked that the barn was clean enough to eat in, whereupon Mr. Stewart, acting upon the sugestion, gave a luncheon, as
shown in the above pieture, to a number of Nowburgh's school teachers and professional people. Read Newburgh's physicians, ministers,

The cow barn as may be concluded highly sanitary sinen on this page is haghy $\begin{aligned} & \text { sanitary, Since the fight } \\ & \text { against } \\ & \text { bacteria is really a fight }\end{aligned}$ against bactera is really a fight
against dust everyihing is about Brookside dairy is eliminated about Brookside dairy that can attord a resting place for or tend to create
dust. Every thee dust. Every three weeks all the long hair on the cows udders and tllanks is clipped short, as it would afford a
carrier for dust. Pis carrier for dust. Planer shavings are
used for bedding used for bedding instead of straw. dry weather it much dust is being blown atout outside the barn, the ground for some distance around is sprinkled.
pREPARATIONS FOR MLlkiNg,
Twice daily the following operations the cons through with in grooming kinning betore milking, the first be$2 \mathrm{p} . \mathrm{m}$. Thes. an, and the second at hour and a hatherations require an with and a hall morning and night with ten men to perform them. First, each cow is curried and brushed; second, all soiled spots are washed off cach anmal with a 2 per cent, soluis daf disinfectant; third, each cow er dampened all over with pure wav d with oach cow's disinfectant solution; fifth water; s udder is washed with pure with a mild dill udders are washed ders are rewashed with sterilized waer; eighth, each cow's udder is dried anima clean, sterilized towel for each and windows Following this all the doors and windows of the barn are closed tight and the walls, ceiling and everything inside is thoroughly spray ed with a hose, so as to make spray terly impossible for a single particle of dust to be floating about.

THE MLLEERS AND MHKING.
the milkers then retiro to the dairy buirding where all hands and faces which they a thorough washing after caps which don white duck suits and sterilized since been washed and ers are smee last used. The milkoughly every required to bathe thorthat purpose day, a shower bath for of the plant equip provided as part milk of arate each cow is drawn into a sephas been found that the fore as it frequently contains bacteria which has Witer the teats from the ontside has is mill seven minutes after each cow about 35 degrees mas been cooled to the dairy l.uilding and bottled inside of the dairy building.

## From FODDER

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VANCOUVER

Professor Bailey versity, on vaisiting of Cornell Unidairy, de visiting the Brookside pointedly theer briefly and most este made will never detect the poorwhen he methods of Mr. Stewart cow. There due credit to the best plying "stated that he was simply ap- vidual samples.-C.F.W. ing." Anygical cleanliness to dairyhospital or surgo has been in a will readily surgeons operating room, means. When appreciate what that precautions he takes, are absolutely necessary, Mr. are absolutely plied, "Never has one of these details been neglected, tut that a big increase has immediately shown itself in the
bacterial count in the milk."

## Ten Years Late

The experience of one member of a cow testing association is worth recording as
showing the necessity of test showing the necessity of testing as well as weighing milk.
H is principal income is His principal income is from selling cream, so that his astonishment may be guessed when he finds this year that the milk from a 12 -year-old cow, that he raised on his farm and fondly imagined one of his best cows, has never tested more than 2.9 per cent. of tat. The discovery comes somewhat late to a man who
has been harboring a cow has been harboring a cow
that for a productive period of ten long years has been masquerading as an animal producing fairly rich milk. The cow never gives this information concerning herself voruntarily ; it has to be sought for and ascertained by definite real regular sampling. All real improyement of dairy
herds includes systematic herds includes systematic Weighing and sampling of the milk from each cow in the herd. All the herd tests, simply

Be on such good terms with your cows that when they see you they will that you will be able to them so them and hondle them in the field.

Don't put off seeing your friends and getting a elub of subscriptions to Farm and Dalry.


Has Imitators But Mo Compotitors.
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 Oures all ghin diseases or Paraites. Thruph, Diphtheria. Aemovas a As a Iren morses or Oattle.

 per bottle. Aola by drugrith or oent by ox-

The Lawrence-Wilitams Cose Torente, Ont.
show any increase over last year. The
prospects in New Zealand, however, favor a continuance of the steady increase maintained during the past few years.

Lower basis of phices
A wide and careful survey of all the sources of supply at the present date leads to the conclusion that, in the
coming winter, butter and cheese will coming winter, butter and cheese will
be on a rather lower basis of prices than last year. The survey, especially indicates that this will be so for butter, if Australian exp
to present expectations.

## Makers Should Stick Together

 Editor Farm and Dairy,-I am strongly in favor of doing something to improve the position of the cheesemaker. The present situation is a perilous one, especiallythe maker guaranteeing every pound of cheese that leaves the factory. Such an undertaking means that the maker guarantees the firmness of the market. If the market drops and the cheese have been purchased at from 1/c to $\mathrm{y} / \mathrm{c}$ a lb. more than the buyer
thinks he can stand for, what is the outcome? The farmer receives his full amount, the manufacturer receives his full amount, but the cheese maker, who only receives a scanty salficiency. In nine out of ten cases of this kind, the cheese are all right in quality. I, therefore, think cheese makers should form some kind of an
organization or union, and stand up for their rights. There should be more unity and less rivalry existing between neighboring cheese makers, If this were the case they would gain little control of the situation.
The suggestion to grant certificates makers is, I think, a capital idea. Competent makers are to-day held down in wages by the incompetent ones. I think, however, there is no other method equivalent to an association or union in bringing about
the necessary improvement speedily -E. E. Campbell, Leeds Co., Ont.

## Co-operation

"There is no business in the coun try that requires more co-operation
than cheesemaking. We must have it. So many people prepare the raw material, and changes in the atmosphere affect that raw material to such an extent that it is a wonder that we have succeeded in the cheese business as well as we have. That makers the business, is our only way of accounting for it." So said Mr. G. G Publow, Chief Dairy Instructor for Eastern Ontario in addressing a
"A mistake in the cheesemaker's salary. Aight cause him his month's a good thing. He could let the helper be boss for one or two days. In
view of the close application that the cheesemaker must give his business a holiday for him would not be out of place. Farmers would give it their
sympathy. Personally, sympathy Personally," said Mr.
Publow, "I would like to see a special day set for cheesemakers over the whole of Ontario to have as a holiday.'

Canadians have made few mistakes industry in the past and I feel sure industry in the past and 1 feel sure
when they see anything that is likely to have a detrimental effect on it they will not delay doing their best to prevent it.-Geo, H. Barr, Assistant
Dairy Commissioner, Ottawa

I have been taking Farm and Dairy for eight years and would not newal,-Jas. Moffatt, Pontiae Co.,
Que.

How to Build a Telephone Line
The poles are now ready to set. By means of pike poles they will be readithan three men, unless the poles should be unusually heavy. When in holes, the poles should be properly faced and lined up before the earth is tamped into the holes.
On country lines, cross arms on the
Theent poles should face opposite-
This is done so that if for any reason the wires are troken or have to be cut, there will be no danger
of pulling off any arms. The poles on each side of a corner should line the corner, or at ane of the end. That is, the cross arms should be on the side next to the corner or end.
Evary pole that is on a curve, or end of the line, must be strongly guyupon the size of the guy wire depenas held. When there are but one or two wires to be held, a No. 6 steel wire more that well. For ines carrying will likely never have wires, and which stranded steel guy 5-16 inch in diame-
For ordinary side guying, the guy should be attached to the pole as nearly as possible to the centre of the
stress. Two or three wraps should be stress. Two or three wraps should be should be fastened to the guy wire by means of a guy clamp. Do not fasten the guy clamp closer than one foot from the pole. In places where there is extra heavy strain, the pole should shins before attaching the guy, to prevent cutting into the wood. When possible place the anchor as far from the base of the pole as the distance from the base to the point of attachment of the guy wire. There will Le have to be reduced a half, or even three-fourths.
For a guy anchor use a piece of telephone pole, or other timber of feet long. The length depends upon the pull it will be required to resist This anchor should be buried from four to six feet deep (the same depth
as the pole to be guyed.) Before as the pole to be guyed.) Before burying the anchor, drill a $2 / 4$ inch this pass a inch guy rod The one end of the rod is threaded for a nut. This end passes through the anchor, is slipped through a broad the nut. The other by means of is provided with an eve for the re ceipt of the guy wire. These guy rods are usually made six feet in length.

Sometimes it is impossible to place a guy on a line at a curve, and in such ease it is likely that a brace may do. The brace is placed on the same side as the stress. The brace is short piece of pole. One end is in hole about three feet deep, and rests on two pieces of two-inch plank about a foot wide and two feet long. These planks are nailed together crosswise and placed in the bottom of the hole. This arrangement is a very substanother end of for the brace. The on the side until it makes a good bearing against the flattened surface of the pole. The brace is then bolted to the pole by two lag bolts, $1 / 2 \times 6$ in The bracing of poles is not to be recommended except when unavoidable, as it is not $e$ very sightly method.
There are some occasions where it is note are some occasions where it to the anchor. For a guy straight intersections, if the guy ran across the street to the anchor, it would interfere with the passage of traffic. In this case a short pole or strub is placed just across the road. The guy is
then run to the stub and another

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Torento, Ont. Winalpes, ${ }^{4}$
is run from the stub to the anchor On long leads af
quarter of a mile, there should every font and back goy run from the top of a pole both ahead and back to the next poles, being at tached to these poles about eight feet from the ground. These guys are t prevent the poles from puling over in case an accident should break all the wires in the lead. These guys are wires in the lead. These guys are
called head guys. When the lead runs called head guys. When the lead runs
down hill, guy pole at the top of the down hill, guy pole at the top of the
hill back to the next one, and also, hill back to the next one, and also,
if a heavy lead, it should be side pus. if a heavy lead, it should be side guy-
ed. Every pole should be guyed before any line wires are strung.

Continued next week.)
Have valt always accessable to the
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[^2]
(9) IFFICULTIES may surround our path; but if
the difficulties be not in ourselves, they may
y be overcome." generally be overcome."

## Peter of the Lane

## By I. M. Montgomery

FOR a moment the judge looked as
though he meant to refuse: though he meant to refuse; then
he stooped down and Peter gave " a hearty smack.
"Do you know," he said reflectiveIf, "there are times when it almost seems to me that you uon't like Averil. I suppose it's a ridic'lous idea, but it does seem so at times."
"How can I either like or dislike ber when Ive ne
the judge coldly.
"Well
when the idea comes It say to myself When the idea comes to me " agreed
Peter. "Of course, it's nousent Peter. "Of course, it's nonsense. No-
body could help liking Averil'" body could help liking Averil."
Do you like her better than any-
one else in the world?" asked the one else in the world?" asked the
judge. An older listener might have judge. An older listener might have
detected a wistful note in his roice.
len, and then do. Then Aunt Mary Ellen, and then you.'
third place," must be content with the The judge did not like third plyce nor second place. He wanted place first-he had always wanted it with anybody he loved. Peter divined that the old man was hurt by his answer.
He slipped his hand into the judge's.
You," know, I think an awful lot of you,"" he said, looking up with his
ourn winsome smile. "I believe Pd like you better than Aunt Mary Ellen if it wasn't my duty to like her
lest, But you can see it's best. But you can see it's my duty because she's bringing me up and she
isn't very well off, though not as she was before Cousin Mr. Morrison died. It's very good of her to take so much trouble with me, and
Im bound to like her seond best T'm bound to like her second best.
But 1 do wish she'd way of punishing me when the one She thinks out so many when I'm bad. I never know what to different ways, "Are you what to expect,"
Are you tad very often P" queried "he judge with a twinkle.
"Quite often," said Peter candidly.
Aunt Mary Ellen says "Aunt Mary Ellen says I'm awful stubborn. Aunt Mary Ellen is stubborn too-but she calls it determinedtrouble when we there's bound to be ppinion. But I tell you Aunt same Ellen is a fine woman-a very fine woman."
One morning it rained so hard that When it coured not walk in the lane, he sallied forth, up in the afternoon he seen. The judge no Peter was to down the Tane for wolked up and down the lane for some time; the
blinds were down in the brown honse and there was no sign of life about it ascept. Peter's kitten basking contentedly on the platform of the new pump, Finally the judge whistled. He Whistled several times without result, pointment when-something in disap-
luctantly through the gap in the
fence. The judge nearly whistled rence. The judge nearly whistled
again in amazement. What was it?
Who was Who was it? It had Peter's head and face certainly, but below head and face was a blue-cheeked gingham dress
and girl's pinafore. nd girl's pinafore.
"Peter, is this.

## the astonished judge.

Peter red as a beet, nodded misers ably, tried to thrust his hands miserhis pockets and failed, becanse there
were 'What pockets.
'Aunt Mary Ellen and I had a diff'rence of opinion this morning," explained Peter in anguish. "It was but Aunt Mary Eul. 1 hate porridge eat it or I'll never amount to got to eat it or 'll never amount to any-
thing. She won't give me anything thing. She won't give me anything
else till I've finished $n$ whole porridge, and there's always so ate of of it that then I'm not hungry fuch anything more. This morning I said firmly that I wouldn't eat it because there were sausages, and I didn't want to be filled so full with porridge that ages. wouldn't be any room for suas angry, and she pury Ellen was very ing me in some girl's clothe by that belonged to a niece of hers that visited last summer. It's a brand new punishment and it's the worst yet. Just think, if Averil knew it ! Aunt Mary Ellen went away this afternoon, and
when she was gone I hunted for own clothes, but she'd hunted for my I was so couldn't come to that I thought I led; but then I thought it was mist duty to come, Lecause I told you I'd always come when I heard you whistle. So I'm here," concluded Peter, hang ing his head dejectedly like one disgraced forever.
The judge looked indignant, "Come right over to Elmeroft with me," he Peter looked
"Noter looked scandalized.
"Not like this," he protested.
"Nobody will see you like thet ex cept my housekeeper, and she won't
see you like that long It's a shame see you like that long. It's a shame.
Come, I say. There are the to be some-somere are-there ought house somewhere. We'll see what my be done."
Peter would have gone anywhere rid of the shameful hone of getting ments. Mrs. Moody feminine garments. Mrs. Moody was presently amazed at the tableau which met her
"Mrs. Moody," said the judge sternlv, "take this bov and see if you can find suitable clothes for him.?
When Mrs. Moody brought Peter back the latter held his head erect
denly eway from him with a peculiar expression on his grim face. An old memory, once sweet, now bitter came to him of a boy who wore that self same velvet suit and lace collar
long ago. That boy had not looked long ago. That boy had not looked
like the yellow-haired Peter-he had like the yellow-haired Peter-he had been dark and black-eyed, like the
judge himself, judge himself,

I feel lots better," anounced Petor, "but I'd like to know how you came to have a suit of clothes that boy "Y'"

What became of him, then "" asked Peter, pieking out a very comin it. In his and depositing himself his fair curls and rosy face, he made a bright spot in the dim, stately room. He was as much at home there and fitted as harmoniousty into his surroundings as if he had leen on the old boulder in the lane. The judge noticed this and felt a certsin satis-
faction in it. faction in it.
"He grew up and broke my beart," aid the latter grimly.
"How did he break your heart ${ }^{\text {" }}$ "Listen, I will tell you,"" said the judge, as if be were talking to a person of his own age. "I had one son hing on him and lavished everywish. I had great hopes-great ambitions for him. He repaid me with ingratitude and disobedience. He fell

"Peter, is this you?" demanded the
astonished judge.
in love with a girl far beneath himwretched little music teacher. He married her in defiance of my wishesmy commands. I told him never to darken my doors again. He did notInever saw him again. He was killed in a railroad accident two years ago but he died to me on the day he disobeyed me."
"You are worse than Aunt Mary quilly. "She ma," said Peter tranwhen I She makes me eat porridge when I don't like it, but I'm sure she Wouldn't try to prevent me from marrying anybody I wanted if I was old enough. I think that you did very Wrong. Did your son have any little
boyspip. boys:

No. He left a daughter, I believe. I don't know anything about her-at least, I mean-I've never seen her or her mother, and I never want to, I hate them both.'
The judge thumped his cane savage$y$ on the floor.

Tm sorry for that little girl if you hate her, because she has missed " splendid grandfather," said Peter. father, you make a splendid grandfather, you know, if you had a little
practice." practice.
"How would you like to have me for your grandfather?" asked the judge.
'I think I'd like it very much, but it can't be." Grandfathers have to be
"They might Le adopted, mightn't they P" queried the judge, "I wish You would adopt me as a grandfather. Wouldn't you like to come here and
live?" "I w
I would get you a pony and a St. Bernard and evervthing you wanted." "I think I'd like it" said Peter cautiously, "but I don't know what face. you." "I.

Aunt Mary Ellen would say Maybe she'd think with such a good aunt as her I didn't need a grandfather But she says I'm a terrible responsibility, so perhaps she'll be glad to get
clear of me." clear of me.
rut have a talk with your aunt about it some of these days" said the
judge, looking at Peter with affection-
ate pride.
But the judge's plans were upsetnoter himself. The Ellen, but by sat on the boulder and day Peter approvingly at the judge, looked dis"What is the matter
the latter anxiously Pater inquired opinion had come to be very precous to him.

Matter enough." Peter's eyes and voice were reproachful. "I think you might have told me that Averil was your granddaughter.
"Who told you?" asked the judge "Aunt Mary Ellen. She only found out lately. I don't think you've been fair at all. You let me talk about letters and I let you help me with my that if Do you suppose I'd have done all the time? ? "I'm sorry,"
bly. "Oan't you forgive judge hum-
Yes, I can forgive me:
think so much of youve you Lecause I er talk about Averil. But 1 can nev. you needn't experit to you again and other thing-you needn't spealk to Aunt Mary Ellen about that matter we were 'scussing. I can't adopt jer for a grandfather because it wouldn't be fair to Averil. You ought to be her grandfather and it's my duty to think of her rights. Of course, if you feel like being grandfather to us both
"Never"" interrupted the judge,
scowling blackly scowling blackly. "1'll never have
anything to do with that woman her child. Peter, you don't under stand, you can't understand t under'Well, it isn't a nice subject," ceded Peter, "but I'll keep on feeling that way.

We'll see what difference a year or two will make," the judge said to so long One septerbewait when the judge came in from atternoon Jenkins met him with a very sober

There's trouble at the little house, sir. The boy has been badly hurtnutomotile and he's by young Blair's

Without a word the judge went down the lane to the little brown house. He met the doctor at the door "How is hep", whispered the judge. The doctor looked at him curiously. He had never seen Judge Raymond so moved before.
"There's no hope," be said. "It's I always knew that drunken Blime. would wind up by killing someDody But the boy is quite conscionesody. wants to see you,
He ushered the judge into the spotless little bedroom. A tall, plainfaced woman with deep, kindly eyes was bending over the bed where the little fellow lay. The pink was all gone from Peter's face, but the big bright eyes looked out undauntedly. My boy," said the judge, his voice breaking in a sob. Peter smiled gal-
lantly.
aintly. "There's somethe," he said faintly. "There's something very 1 m portant I want to say to you, and I
guess there isn't much time I I wanted guess there isn't much time. I wanted Ellen says about Averil. Aunt Mary Ellen says it's such a hard world for ed wife and see, Averil's my promised wife and when I'm dead she'll be my promised widow, and I feel it's my duty to provide for her. Won't you be her grandfather, sir-just as much her grandfather as you'd have

The thing he had never dreamed of saying came willingly-ev
from the old man's lips.
"Yes-yes-I'll look after Averil and her mother too. They shall come and live with me.
"And you'll love her, won't youp", persisted Peter "because it wouldn't -be-much-use-to do things-for her-if you didn't-love her."
"T'll give her the love I would have given you, Peter."
'It's a promise-isn't it p"
'Yes, it's a promise," said the "Yes, it's a promise, said the been said of Judge Raymond, his Worst enemy could not have said that he ever broke a promise.
"I'm so glad. It's a great-weight
-off mv mind. Don't ory-dear Aunt off mv mind. Don't rry-dear Aunt
Mary Ellen. You've been-very good to me-and I'm sorry-I was very naughtv about the porridge. Please nanghtr about the porridge. Please But the little knight's message to his lady went with him into the shad-

## The UpWard Lo0k

Why We Should Fail
And when Peter was come down out of the ship he walked on the wa-
ter, to go to Jesus. But when he ter, to go to Jesus. But when he
saw the wind boisterous, he was afraid: and beginning to sink he cried, Lord save me! And immediand caught him.-Matt. 14: 29, 30, 31 . If we feel that we are not accomnlishing all that we should with our lives. we shonld seek earnestly for the cause. Possihlv we are hugging some sin, which. therefore, is dragging us fown, as all sins do. It mav he that Our failures, often. are caused by the fact that we trust in our own strengeth. Such trusting means inevi-
table failure. When we trist in ourtable failnre. When we trnst in our-
selves we hecin to sink and give wav ${ }^{\text {to }}$ desnairing thnughts. As long as Deter had his thanchits enentred an Jesus he walked on the waters withThe thought of irt. Hility not oresent itself to him As sonn. waves he folt that he was in dancer. He formet that Jesms had nower over
the waves and immediatelv he began to sink. is with ine As enon as we formet to lonk to Christ for the holn milties that enrronind ne hapin to lonm Aistrontine firht with the phantom St Ponl senid: "TT, ran do all thinos
hroweh Christ

me." So can we if we only have the necessary faith and if we are willing
to wait patiently to wait patiently on the Lord. If
we ask ourselves if the Lord can overcome the evil in our dispositions or the troubles that surround us, we must instantly recognize how foolish are our doubts for our Lord created the universe and all that in it is, and is, therefore, all powerful. We must, for that reason, place our trust in Him and in His promise to give us whatso ever we may ask in faith, believing, When we do, the peace of God that passeth all understanding shall keep onr hearts and ninds through Christ Jesns. Then, like Peter, our fears
and doubts will vanish and we will be able to accomplish all things through Christ which strengtheneth termis. The measure of our success is de termined by the measure of our faith Ralph Trine says: "The one who is centred in Deity is the one who not only outrides every storm, but who
through the faith, through the faith, and so, the con-
scious power that is in him, faces storm with the same calmness and serenity that he faces fair weather, for he knows well what the outcome
will be. He knows that will be. He knows that underneath who realizes the truth of the injunction, "Rest in the Lord, wait patiently on Him for He shall give thee In the degree tha
In the degree that we work in conless to concern ourselves need the sults. To live in the full realization of this fact brings peace-a peace that makes the present complete and that going on before, brings back the assurance that "as our days, so shall our strength be,." Faith can be obtained
only through earnest praver, If wo lack faith we must pray for it, and lack faith we must pray for it, and
our prasers will be answered.-I.H.N

## Farm Water Supply

Henry Glendinning, Ontario Co., Ont The value of an abundance of pure, wholesome water for the home can scarcely be over-estimated. The water that we drink or take in our food Themes part and parcel of ourselves. Therefore it is of the utmost importthat we drink should be pure and abundant.
The idea that formerty prevailed, that a well at the house and another at the barn were all that was required for the farm water supply has received a rude shock. Of the samples of water sent to the Experimental
Farm, Ottawa, for analysis for 1001 1905, 1906 and 1908. Prof. Frats T Shutt, chemist, found that 75 per cent. of them were doubtful or decidedly unfit for use. Most of these samples were obtained from wells in connec tion with the house or barns.
Prof. Shutt says: "There are too many shallow wells in existence and most of them are situated so that they receive soakage from the barn yard or
similar contaminating sources. The larn yard and back door wells should be filled up, for they are a menace to
the farmer and his family the farmer and his family, and, further, it should be emphasized that water which is dangerous to use in
house cannot be good for stock.

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ART EMBROIDERY STAMPINE OUTFIT, PREE, for one new
Addrees, Pattern Department,

## FARM AND DAIRY

 Peterboro, Ont.The soit is an excellent purifying agent, but it has its limitations and once it has become loaded and choked with organic filth it cannot longer perform this beneficial function. When once the soil surrounding a well has become so charged no amount of cleaning the well will prove effective; the well should be aLandoned.
If the supply of wawe is to be obtained from a well, it is better to have it located a considerable distance from The cost of a few hundred feet of galvanized iron pipe is small in comparison with the health of the family. The well should be made so tight that no vermin of any kind can enter, such as mice, rats, toads or fish worms. Probably the Lest way to make a
well secure is to put a wall of well secure is to put a wall of brick or stone in the bottom for a few feet, then put a concrete wall made of balance of the distance, gravel for the about a foot above the ground and The day of the hand pump is fast passing away. Labor is too expensive to employ a man to pump water where there is much used. The wind mill gasoline engine, or hydraulic ram can oe used to good advantage for pump-
ing water. Wheie a supply can be obtained by gravitation, it is the simplest and the least expensive to keep in repair of any system after it is a storage tank, and it should be so
high that it will force the water the upper story of the dwelling
all the farm buildings where stock all the farm buildings where stock kept.
The tanks may be made of cement

## 解

## A Popular Kitchen Help

The increasing popularity of the kitchen cabinet is apsuming alarming proportions, and rightly so. We are informed by one of the largest mak. ers of these cabinets that they hare sold over 9,000 of these cabinets, pres. ticularly to farmers. This would as if the farm home was to soon oill do the city home, in the nse of the most up-to-date and usefu kitchen conveniences. The above lustration will show one of these cal. inets with every conventence imagin. able, close at hand,
These cabinets are made of hard wood, finished in a golden oak onior The bakeboards, flour bins and draw. er sides are of white basswood. The construction of the caomets best. The cupboards are finishicif with metal or zine bottoms, which are mot easily kept clean, There arm cracks, no seams or crevices to catch dirt and dust.
Our Household Editor had the privilege and pleasure a short time azo to visit a farm home in Peterbora C where a kitchen cabinet was in tuen and the owner could not speak in high enough praise of the cabinet


## Do You Want to Save $\$ 62$ a Year?

You must pay the washerwomen fif rich an hour.
you do hard earned money at that. If servant do it, this steaming. backbreaking, hand-chapping, oold-catching. breaking, hand-chapping, oold-catching,
temper-destroying work will cost yon momper-destroying work will cost yon
more than 15 cents an hour in the
end. It takes eight hours hard lator to do the average family wash. Eight hours, at 15 cents, cost sou
81.20 per week for washing 81.20 per week, for washing. This means 862.40 per year, without
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freight out of our own pockets, so that
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you may test the machine as much as
you mille mefor you like before you agree to buy it. Use it a full month at our expense. If you don't find it does better wash-
ing, in half the time-send it baek to the railway station, with our address on it-that's aime
We will then pay the freight back, to without a murmur.
But if the month's, teat convinces you that our "1900 Gravity" Washer actually does 8 hours washing in 4 hours time does it twice as easy-far better, without wearing the clothes, breaking a button or tearing of lace,
then you write and tell us so. From write.and tel wo.
From that time on you pay us every week, part of what our machine
saves you, say 50 cents per week, til the washer is paid for, Each " 1900 Gravity" Washer lasts at least five years, yet a very fen Each "at 50 cents per week, makee it entirely your own, out of what it saves
montha, you on each washing.
Washer year our Washer will save you about 862.00 . Yet the " 1990 Gravity" self. You need not take our word for that. We let you prove pay for it at our expense, before you decide to buy it on thene terms.
Could we risk the freight both ways with thousands of people if we did
not know our " 1900 Gravity" Washer would do all we elaim for its It costs you only the two-cent stamp on a letter to us to bring this quiel That Washer to your door on a month's trial.
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## Heatin

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prove that any six-roon ing $\$ 150$ to for $\$ 250$ to for 8400 to
installation by the manu to 70 degree

The next cost of fuel,
In some loc available thi the cost is t
would not bewithout it, and would not sell it for three times the price, if she
could not obtain a could not obtain a duplicate. The one considers the great saving in then and strength that is the result of their us. Most satisfactory result of their can be had of the makers of these calinets, which should enable any housewife, by saving a small amount each week, to own one of these most


How Plan of Kitchen.
handy and labor saving conveniences Be up-to-date and start saving for a abine.
Another one of our subscribers
arites us regarding arites us regarding uer cabinet, as "I can say I am very much pleased with my kitchen cabinet. I believe them to be labor savers, and I am sure hou would think so also, after you quite a large cabinet but has no drop shelf. It has, however, almost all the bake board, flour such as drawers, bins, grocery clourets, tea and sugar for kitchen utensils. It also has ace for kitchen utensils. It also has a
row of bins for spices. When I bake 1 can stand still and reach all I beed to bake with
many rather think it saves me a good very handy in a day. They are also had mine now for four years have would rather part with any piece and furniture than my kitchen cal piece, of Mrs. William Hamo, Perth Co., Ont

## Heating Our Farm Homes

re heated my of our farm home inst method stoves, or furnaces. The lete, and many of becoming obsosubstituting hot war farmers are heating even, in water and steam ace heat. There preference to furnace heat. There are said to be several ter reasons in favor of the hot water heating. One is the fact that it is usually a cheaper system to install. It is also considered by many the cheapest system to maintain after in-
stallation. stallation.
some farmers are able to install a plant for as low as $\$ 150$, while others with large homes and with a desire to have the very best, could expend as high as $\$ 700$ to $\$ 900$. Statistics prove that it is easily possible to heat any six-room house with a plant costing $\$ 150$ to $\$ 300$; a seven-room house for $\$ 250$ to $\$ 300$; and a ten-room house for 8400 to $\$ 500$. This cost includes installation and a guarantee usually by the manufacturer to heat the house to 70 degrees in severe weather. cost or rus.
The next important thing is the In of fuel. This also varies widely. In some localities where wood is yet available this is used, and, of course, the cost is then merely nominal, con-
sisting largely of the labor required Where coal can be had at to burn sonable figure, the cost does not rea ceed $\$ 25$ to $\$ 30$ per year, while in oth er locations remote from a coal sup. ply, the cost runs up to $\$ 60$ to $\$ 70$
per year.

## Comfort consiform heat

ingly reasonable. To this is exceedare no stoves to. To begin with, there ashes to be removed consed after, n is much easier to keep the house clean. What is more important, however, is the fact that the whole house is uniformly heated. With stoves or fireplaces it is possible to stoves or areplaces it is possible to heat only
a few rooms, but with a hot water a few rooms, but with a hot water
outfit not only is able, but the halls and room comfortable, but the halls and entry ways ar
not cold not cold.
With att witit hot water hrat. is easily possible to seaturg system it at all times. The toiler of the air nace is located in the basement and pipes go to every room. The heat coming from below, warms the house uniformly throughout. There are ne drafts, nor are there any places that are excessively hot. Furthermore the furniture in a hot water heated house remains in a much better condiare used. where other kinds of heat are used.

## installing the plant.

nore easily installed what, of course, is ing is being erected when the builddifficult thing to install the is not a a house that is already built. This work can be done any time during the summer and you will te ready for the most corifortable winter you have ev$r$ had
he builtser we have in mind says that ago on his farm siy about three year A steam harm six miles from town ed after the hing plant was install. the the house was vompleted, all this pipes being exposed. He thinks a leak best plan, for should there be a leak, no difficulty would be experienced in locating it. The complete outfit cost about $\$ 225$. He has used and it winters without any trouble faction in gill the very best of satisrooms on the first floor are heated,
besides a hall and bathroom and the
same space aboye-using same space above-using 12 radiator

Nothi
house. has ever frosted in this ten tons of coal, at 84 fer tor put in lasted the entire season. It requires no more work to run a furnace of this kind than one coal stove. In his old house he heated one room and one bedroom at a cost of $\$ 29$. He writes تIf I could convince myself that 1 ought to get along by heating one or two rooms and leave the remainder of the house cold, I think I would use a stove, I could not warm the same more bor. I have always expense and lamy house so as to save all to arrange steps. I would not think of doing without my steam heat.

## another instance.

A farmer's wife told us recontly that they had installed a hot wntly heating plant in an old honse. The The including installation, Was $\$ 268$ The house has seven rooms, with a hall and open stairway, which makes easily a nine-room house. Thes bought the place in the fall of 1905 which burned an old hot-air furnac and replaced it tons of coal per year There is no weakness present plant so far as they are able to determine It would take five stoves to termine space that they now heat with then two-thirds as much coal. They about age about nine tons of hard aver year, at a cost of $\$ 72$, delivered. They quires loss al tecause the furnace ria cost much less.

Another finother plant
Ont, has farmer in Wentworth Co thout seven years in a new house after it was installed thus increasing the cost. The total makes was $\$ 321 . \Delta$ heating plant mer the home very muen like stmlittlo dust yar around. There is very where heating much less sickness than These people would not bed by stoves. heating plant. They use without a Eight tons at $\$ 4.50$ a ton, or $\$ 36$ is 20 per year. This hot water heat is 20 per cent. cheaper that stoves
or a hot air furnace. They have the best radiators and heater that can be has not cost seven years the plant and ha cost one cent. for repairs, and has never given any trouble. with windmill and a water system If you want cheap light put engine In hank end yon will have a largor or doulance, fewer doctor bills, few billsaths in the family, smaller coal mod, simaller oil bills, and live to a

## The Best Food for Workers.

The best food for those who work with hand or brain is never high priced.
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Laborers, factory or farm hands, fed plentifully on Quaker Oats will work better and with less fatigue than if fed on almost any other kind of food. vir of these facts were proved and very interesting information about human foods was gathered by Pro 1908. Fisher of Yale University in

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Juanita
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Hall Me Back Again
The Paloma
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Dixie)
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The Blue Bells of Bootland I Cannot Bing the Old Sond
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Home sweet Home he Old Folks at Home


Way Down upon the Suwance
My Old Kentucky Home The Old Onken Bucket Afterwards
One Sweetly Solemn Thought
The Last Roee of Sumen
The Last Rose of Summer Love's Old Sweet song
popular Parlor pieces
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The Shepherd Boy
The Maiden's Pras The Maiden's
Flower Song Black Hawk Walts
Secret Love Secret Love Qavotte
Remember Me Remember Me
La Paloma
Warblings at Eve
ALBUM OF FAMOUS SONGS CONTENTS
Greole Love Song
The Monarch of the Woods
Tell Her I Love Her So The Yeoman's
The Yeoman's Wedding Song
The Minatrel Boy
I've Something Sweet to Tell You
Flee as a Bird It was a Dream


## Our Embroidery Patterns

In this issue we begin the illustra tion of our special embroidery patterns, for the benefit of our readers.
These patterns we hope will be as use These patterns we hope will be as useful and pleasing as we intend they coming on apace, and our readers will find many things illustrated in this column that they will wish to obtain We know these patterns will prove all that is reliable and that they will be satisfactory in
dress Art Dept,
Farm and Dairy, Pespect. terboro Ont., for all orders.

410-Design for Embroidering Blouse or Shirt Waist.
The decorations for the front, a collar and cuffs are given. The roses

and leaves are designed to be worked in long or short stitch; the buds, calyces and turned-over edges of the flowar petals in solid embroidery, the stems and veins in outline stitch and the stamens of the smaller roses to be worked in French knots.
404-Design for an Embroidered
The apron pattern is suitable both or lawn, batiste and other similar materials and for silk. The embroid-

ery can be executed in cotton on washable materials, in floss or twisted silk on silk fabrics. The scalloped edges are designed to be buttonholed, the flowers and stems of the design to be outined and the dots to be worked solidly in French style.
Our embroidery stamping outfit can be secured for 75 cents, or free, in return for two new yearly subscriptions. Choice of any other three patterns, free in return for one new subscripfree
tion.

## THE COOKS CORNER <br> two new subecrij tions to Farm and <br> Dairy, at si sach. Recipen for publication are requested. Inquiries regarding cooktng, recipes, etc. glady answered upon request, to the Household E Farm and Dairy, Peterboro, Ont. <br> $\$ 22$ <br> Our New Cook Book free for only

 two new subsoriptions.Stew 8 large apples and put through colander, then add 1 cup sugar and tablesp butter. When cool whip in separately 4 beaten eggs, and bake until brown, in a rather quick oven.

APPLE PIE
Use any favorite recipe for the crust, and fill full with chopped or finely sliced, nicely flavored apples. Cover with sugar, cinnamon and dots of butter, then put on the upper crust, prick or slash, and bake in a medium oven.

## APPLE FRITTERS

To 2 cups flour add pinch of salt and 1 teasp baking powder; then stir in 1 cup sugar, 1 cup milk, and 3 beaten eggs. If not quite stiff enough, add a little more flour. Lastly stir in chopped apples. Cut off spoonfuls of this batter and fry in deep, hot, but not too hot, fat, until brown, then drain and sprinkle with sugar.

OHICKEN PIE.
Cut up 2 chickens and cook until tender, then carefully cut all the fiesh from the bones. Put in a saucepan with an onion, sliced thin, two stalks of celery, cut in small
pieces, half a cupful of stewed tomatoes, a teaspoonful of salt, a grating of nutmeg and two leaves of parsloy, out fine. Cook slowly 1 hour, carefully dredging in flour until you

"Puritan"


Churning Made Easy
"Favorite" Chura is worlced by hand, or foot, or both. Roller Bearings mean quick, easy churning. Built for strength. 8 staes to churn from $\%$ to 30 gallous of eream.
Write for booklet of
these "Household Neces-

## does not handle them.

BWM MAXWEL \& SONS "
have used 2 tablespoonfuls. Line deep dish with a pastry to which has been added a teaspoonful of balcingpowder. Put in the chicken preparation, cover with pastry and bake $1 / 8$ hour.
bread and fruit puddings.
Almost any kind of fruit or berrias can be used with dry bread crumhs or left-over cake crumbs, or a little of in a buttered put in alternate layers to taste, add spice to taste, and if the fruit is net very ruit is not very juicy moisten with a little water or milk. Bits of butter dotted over the fruit are an improvement when such fruit as apples or peaches are used.

BICE AND JAM PUDDINO.
Put alternate layers of stifl cooked rice and strawberry or raspberry jam into tea or individual pudding cups and set away in an ice box or cellar to cool until supper time, when they may be turned out into saucers and served with cream.

## SWEET SPICE SAUCE.

Boil 1 cup sugar and $3 / 4$ pt water 20 minutes. Then remove from fire, and add 1 teasp each extract of cloves and of ginger.

## OATMEAL CRACKERS

Thoroughly mix $1 / 9$ cup lard with 2 cups sugar, add $1 / 2$ teasp soda dis solved in $1 / 2$ eup hot water, 3 cups oatmeal, and flour enough to stiffen Roll thin and bake in a quick oven.
sOUR CREAM CRULLERS.
To 1 cup sugar add 1 cup sour cream, in which dissolve 1 level teasp soda, 1 beaten egg, and flour to roll.

## CORN SOUP.

One can corn rubbed through a colander. Heat 1 qt milk in a double
boiler. Rub together 2 tablesp butter boiler. Rub together 2 tablesp butter
and 1 of flour, and add to milk. Then and 1 of flour, and add to milk. Then add corn. To make extra good add whipped cream after it is put into the soup dishes, 1 tablesp to each dish.
sPLIT PES sOUP.
Wash and soak over night 2 oup split peas. Put into kettle with 4 qt stalk celery, cut up, an onion, salt and pepper. Boil genuy 4 or 5 hours,
and rub through a sieve.

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beknit in 3 minuteson
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To every lady and gentleman, gri and boy, for selling on 12 packages of our Ant, court plaster, at
10 cente per package, wo will give absolutely free a Fountain Pen Do not delay; send to-day; send no money, only your name and addrens, to
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BOY SOLDIER AVD ROUGH RIDER SU 6424

The soldier suit can always be trusted t make the boy happy
Just now there is an Just now there is an equal demand for the
regulation aort and regulation bort atid
the one made in Hough Rider style and both are includ ed in this pattern. of jacket and trous ers. The jacket is
shapely and well fitting yet perfectly simple, involving no diffieulty in the mak ing. The trousers art of the long regula tion sort and both suits are smart in effeet. for the medium required (10 $y \mathrm{yrs}$ ) is 5 yds 27,
34.
5 yda 44 or $21 / \mathrm{yda}$ 52 in wide, with $1 / 2$ dit 27 wide for trimming. Hhe pattern is eut for boys of 6,8 .
10 and 12 yr 10 and 12 yry of late and will be mailed
on receipt of 10 eta.

CHILD'S PLAY DRESS 6423
The play dreas makes a very impor tant feature of the child'a wardrobe. This one is simple and
serviceable yet at tractive and becom. ing and can be made either with higin or square neek, with long or short sleoves Material required for medium size yra) is $3 \%$ yds 20,3 yds 32 , or $21 / 4$ yds 44 The pattern is out for girle of 2, 4,6 and $\frac{8}{\text { yrs }}$ of age, and will be mailed In the illustration chambray is the materia! need.
BISHOP SLEEVES WITH CAPS 643
Bishop sleeves make
 one of the very lat est developments of
fashion and those il lustrated, with separate cape, are excedingly smart as well as practical. The lower portion of each is designed for thit ner material while
the cap is supposed to match the blonse.
Maicrial required for medium size fs for any capa, $\%$ yd 21 or 24,3 yd 32 or 4 in wide; for any puffs, 1 yd 21,24 or 32,1 yd 44, with $1 / 2 \mathrm{yd} 18$ for deep cuffs, $4 y \mathrm{ds}$ od over cuffs.
The pattern is out in 3 sizes, small 32 ot 4 , medium, 36 or 38 , large, 40 or 42 in bust and will be mailed on receipt of 10 cts. TUCKED


The whirt wai
The shirt waist that is closed at the left of the front and revers is one of the latest and smartest It will be greatly in vogue throughout the coming season and it is equally approprate for the odd waint
and for the gown. and for the gown.
Material Material requirel
for medium size is 1 for medium size is
$y$ ds $24, ~$
$y \%$
$y d s$
 or a $34,36,38,40$ and 42 in bu
be mailed on receipt of 10 ets.

## OUR FARMERS' CLUB

 QUEBEC COMPTON CO., QUE.
COMPTON OENTRE,-Only a few people very good crop. Oats were a They are a
although they suffered erop. hoppers and criokets. Buokwheat did gos. All well. Oatele are not tooking very well on account of ahort pasture. Pork contin-
ues high in price, being ale ues high in price, being about $11 \% \mathrm{c}$ a a lb
butter, $24 \mathrm{o} ; \mathrm{eggs}$, 20 c to 25 e a doz. $-\mathrm{H}, \mathrm{c}$. LISLET co., que.
LT8LET,--Crop is about half saved; the We are satisified of an average orop. Fruits are poor in quality and quage erop. Fruits
weather is very wet, and flooded everywhere. and low lands are and logs were cut by a lumber company, and the St, Lawrence was covered with them for geveral miles. At our exhibition
very few farmers were premer very few farmers were present. The ohief
attraction was attwaction was a complete exhibit
Domo cream sepa good crop and low prices are expecter a SHERBROGKE CO., QUE.
LENNOXVILLLE-Harveating is over an The straw is short but are now the order. out very well., and the yield will be well ap to the average. The ground be well too dry to plow properly but a he heavy
rain recently has helped mater what. The lack of haiped matters some-
tures down so thas kept the pasfures down so that the milk supply if perymuch reduced, and the usual supply of fall feed is alno very short. Many farm-
ers are saorificing their stock on acount hriaging a good round priood beet is and indifferent enttle can be bought verall
cheaply. Targe ped to other quante of are being ship. ped to other parts of the country and
this will no doubt ereatly relieve the feed
sitnation. Pork shation. Pork still holds high at $121 / \mathrm{c}$ each on the market.-H. M. are worth is ONTARIO
hastings co., ont

## CBOOKsTON.-The weather continues

 ply in the factory short. The milk sup.fo lower than it has
heen in been in a number of years. The thack Wheat crop is extra good thin The buok-
considerable more the late spring. Most farmers report of potato erop rood. Roots arese suffering for
rain. Hogs continue prices very high, 87.25 to 87.35 beece with the last shipment. VICTORIA CO., ONT.
extion of buckwheat, is finiahed the exing is being done. Grain which was sown carly in the spring is not as good as that suich was sown later. The frost in June
hurt some of the carly much better than was expected, it having
grown quite grown quite a lot the last three waveks.
several farmers grow corn. Those who grow much of it han of silos. Alsike clover was much of thaw to have
extent and yielded extent and yielded very good Red elower
is hot expeeted to be is hot expected to be a very good clover
many farmers are cutting it for WENTWORTH CO., ONT.
and everywhere Summer is over once mors autumn by the bare fields see sigms of either singly or in groups, seattered here
and there, which and and there, which are now changed from
their rich green shades. The past summer variegated tather peculiar one; the wet, co'd apring
wan followed by a very domen crops are consequently below the averand On account of the past month or six
weeks heing so weeks being so dry, there was not as large wise would have been, and considerar. wise would have been, and considerable
of what is sown has not come up wery well, unless on summer fallowe up very fummer. Most of the silos early in the The corn crop of the silos are now filled, the average. A sreat deal is not up to nown until late, and the dry of it was not
ing the ther dur. siderably. There is starded its growth conthreshing to do. It is impoasible deal of any fall plowing until we have to do Grain and stock of antll kine have rain.
 80 c to 85 o a bush; oate, 45 e a bush; hay;

## sid a ton: hoss, 88.50 a ewt. It is a most imposible to buy hozs of any agee C. W.

 FALKLAND-Wht co., ONT. FALKLAND-Wheat, generally, Fell and growing nicely and will have unfair top to enter the winter seedings of clover are quite patchy, as lae long continued hot dry weather burn-
ed quite $n$ bit of it up. There hare ed quite $a$ bit of it up. There have been
several hard frosts lately and tomat potatoes and other tender plants were potatoes, but several have begun digging tangels and turnips will be benefte yet. he recent raing, but lice have made their
appearance in the are doing some injury. The green cab. siderable fall plowing has prevalent. Contures are done for this been done. Pas.
will soon cattle It looks ns thongh fe put on winter feed Jeed all the year except for a fow wave to dune. Wheat is 98 c a bush; hogs, 88 ;
egrs, 25 c ; butter, $25 \mathrm{c}-\mathrm{L}$, MIDDLESEX CO., ONT. APPIN--Silo filling is in full swing. The straw is concerned. but well so far as advanced towards mand the grain has that month than a good wo more in August. Froat has killed the uncut porgotten to the dough stage, al have only proves the necessity of early planting, of growth in the long. Warm, rign stage will be srommer. The value of the crop shortage in the on those who have felt the such humerstand how other points report ty can only turn out abon as this localiC. M. M.

WATERLOO CO., ONT.
AYR-We are still badly in need of more rain, the showers of the past few
days merely molstening the aurface Pater ures are rather bare and the newly closely. Most of the silo pastured too alosely. Most of the silos are filled, al-
though a few still remain. Corn fo being looked upon more and more as a negeasary cheaply. It was tonehed by intends feeding but not to was touched by the frost wheat is not making serytent. The fall on account of lack of moisture growth weather. A considerable acreage and cool in sowing. Turnips are looking fairly good, though the dry weather will de
crease their yield appeared to any extent this seasot ye considerable quantity of early turnips Were shipped, bringing 160 to 18 c a bush. somewhat poor catch, are reduced in acreage, Potatoes promise well, the blight doing very little damage. Stockers and ones, and scarce, especially the good ones, and drovers are finding it hard to the distillery men outbidding them.-

## FINGAL--This is atn old settled district

 and women crossed years ago hardy meu the north of Scotlane ocem, mostly from for themselves bcoutifui and howed here heavy forest . These farmes out of the kept, and have good farm are still well many modern farm dwellinghinge, and horses, mostly heayy awelhings. splendid land befigg clay loam it reguires the oad, on and Detroit, passes has partly lost its once heavy Fingal. This the coming of the railways. South by Fingal and near the lake appleath ar. eplendid crop, and quite free from blemphes, From here the apples are quickly pioked up and many orehards yearly a number owners splendid riturns number of cement silos were buit this ylled. Mote attention, and are now being the than to fine herd of many pasturing in grade shorthorns are seen pasturing of the fleids. Numerous carseas' market, generally sent to the overers good profits. shodden is receiving some mill froctory at this yenr, and will no toult from here patronised another year. $-J$, E be betterESSEX CO., ONT.
ARNER - There has not been enough rrost to do any damage. Corn eutting
has just commenced. Most of the corn

## -:- LIVE HOGS

We are buyers each week of Live Hogs at mariket prices. I For deliverv at our Packing House in Peterborough, we will pay equal to Toronto market prices. If you cannot deliver to our Packing House, kindly write us and we will instruct our buyer at your neareat railroad station, to call on you.

## $\$ 7.75$

THE GEO. MATTHEWS CO., LIMITED PETERBOROUGH,

HULL,
BRANTFORD


## Get a BEATH LITTER OARRIER

HepYorth - Nearly all the farmers
 litule fall wbeat it grown Mangele and
 They hare been bady caten by liee tor

 | going in moro for mangele ns thes heep |
| :--- |
| vetur thround oth | nd mateough betler trod ter than turnipe young catlo havo been stivped from here



## BRITISH COLUMBIA

$$
\begin{aligned}
& \text { NEW WESTMINSTER CO, B. } \\
& \text { SUNNY CENTRE, W, W, }
\end{aligned}
$$

ure of a vioit trom Noo that the pleas arem on hion from Major shepherd of on roan mankin", Thirseling iown exper tans turned cut sood Average yereat 4 tous been a batheles pere aereo The harvee



## Local erop reports are wanted for pub <br> lication on this page

## Champion Evaporators



Make better syrup. Do not delay any longer. Now is the proper time
to sive vour Maple Syrup business little thought. By placing your orders early you can have your Evaporator all set up before cold
weather reacheses you. This taking renches you. This ingures which sere of the first tuns of sap. p-to-date syrup makers use the Champion Evaporator. Write

MFG. CO.
58 Wellington St., MONTREAL
THE GRIMM

## MARKET REVIEW AND FORECAST

## Toronto，October 11th，1909．－That the seneral business of the country is gelting on a sound basis，few will dispute．Manu－ facturers in many lines are flnding great difficulty in flling their orders．The trare buying of the heavier materials in foot－ wear and e＇othing in especially briak． While the demand for money for commer ple to meet it．Money on call is meeting of a bearish tend ney all week，though at the elose of the week the markets on thin side were scemingly very little tnfuenced by lower cables and hearish crop reports． Returns from the threshing in the west indicate larger yields than was expected the total weitern erop at 195000.090 bush． of Octoher 1st，also indicates a bet and better than at this time last yapr iffeet on the speculative market．On Fri prices by $1 / 0$ to 3 ．©，October whest el sing ber at the later at $\$ 1.02^{2}$ ，with $\$ 1.033^{3}$ quoted for May option．Argentive $\mathrm{hh}^{\prime} \mathrm{p}$ The tocal market here continmes date with few deliverics from country mills or levators．Dealers hore guote No． 2 m ＇sed at 980 to 99 c ．On＇Toronto Prroers＇mar ket fall wheat celle at $\$ 1$ to $\$ 101$ and

 coares graivs There is a firmer feeling in oats owing to firmer cable ouotarions，change．Dealers here 9 nntshow little
Ontario onts at 350 to 36 c outside and 49 ／c to 50 c on track Torento．Barley is quint
but stendy at 495 e to S6e，and pena at Boe
年 to 81 e outaide．On Toronto farmers＇mar－
let oats sell at 42 e to 43 c ：barley at 60 c FEEDS
More liberal offerings of Manitoba bran and shorts are reported from Montreal． where quotations are 892 for the former
and $\$ 23$ to 824 for the latter，with Ontario bran quoted at 831 to 822 and shoris at
$\$ 22.50$ to $\$ 23.50$ ．Dealers here quote Mani toba bran at $\$ 21$ and shorts at $\$ 23$ to 824 ，
and Ontario bran at $\$ 22$ and shorts at

## HAY AND STRAW

A fair export trade is being reported week＇s quotations．The Iccal market here maintained．Baled hay is aunted are well to $\$ 15.50$ for No． 1 timothy， 81350 to 814 for baled straw in ear lots on track Toronto On Toronto farmers＇market loose timothy
sells at $\$ 15$ to $\$ 30$ ，clover $8 t ~$
88 to $\$ 80$ atraw in bundles at 814.50 to 815 ，and loose straw at 87.50 to 88 is ton．
POTATOES AND BEANS
Dealers at Montreal complain poor quality of the potatoes arriving ther
this season from the east one car load this season from the east one ear load
last weelk selling at 30 c to 350 a hag last week selling at 30 o to 350 a bag
Sound potatoes are relling there in ear ots at 50 c to 55 e bas．Supplies rule heavy bag for Ontarios
$\qquad$ at 750 to 90 a bag． quiet，the demand being for small lots．

## PEA SEED WANTED

We are open to purchase a quantity of
the following varieties of Pea Sced，viz： Alaskas，McLean＇s Advancer，Horsfor
Market Garden，Coryell＇s Glory All must be true to name．Persons having thee

SIMCOE CANNING COMPANY
SIMCOE，ONTARIO 81.75 c ．and f．Montreal for three pound
pickers．Some shippers are asking as high
is 81.15 on track Nomreal Dea＇ers here ad 81.15 on track Montreal．Deaters here
quote beans to the trade at 82.25 to 82.30 for primes and 82.40 to 82.50 for hand－ picked．
eggs and poultry
The egg market keeps very firm under
lisht receipts．Dealers east are maying whe e fo．b．for eges at country pcints， Which is cquivalent to about $223 . \mathrm{ec}$ to 23 c at
Montreal．Eggs are guoted here at 25 c in Montreat Eggs are quoted here at 26 co in
vase lots，and 30 c to 5 co a dozen for new Trade in live poultry is getting brisk， and supplies are heavier and prices easy．
In a wholesale way live chickens are quot．
 1b：dressed 2 chigher ，On Toronto farm－
 150 ：turkeys at 20 c to 22 c and geere a
罂 to 14 o a lh ． The export demard for winter apples is improving．At Mo treal winter stock in
4noted at 83.50 to 84 for No 1 and 82.75 o． 83.25 for No．2．Several large lots of
ppies are reported sold eist of Toronto spies are reported sold elst of Toronto
at 8.10 a bbl fo．b．，and urisud warioties at 829 and 83 for No． 18 west of Toron－
o．On Toronto farmers＇market apples ell at 81.50 to 82.50 a bbl．There were
large quantities of all kinds of fruit on the fruit market at the end of the week．
specially srapos，and canteloupss．Quota
ions ars
 plums， 40 e to 60 e ，cantelcupes， 30 o to 50 c
grapes， 11 c to 25 c ，and tomat $\mathrm{er}, 18 \mathrm{c}$ to 30 d a basket．Dairy probucts
More cable inquiry for cheese is reported ind the characteristic dulners of the past market is 6d higher than a week ago Prices show little change in the local
cheese markets，snd quotations at the end of the week rangud from $111 \%$ e to $11 / \mathrm{c}$ ．
vith about $11 \%$ ，the ruling price．Dealers here guote chicese to the trade at $12 / 50$
for The butter market continues firm．An with prices firm at $24 / \mathrm{o}$ to 25 c for fincst
creamery．The theat graden are very searce here and the market throughout irm．Local wholesale quotations are ：－
Oreamery prints， 25 e to 26 c ；dairy print
 oronto farmers＇market choice da＇ry but－
er sells at 230 to 30 c and ordinary at 23 o －

## HORSE MARKET

While the horse market shows some Hens of itmprovement it fo stilt far from
being as active ps it was a fow months back．Dealers complain of the difficulty of setting horses of the right stamp in the prices naked are higher than they can af ford to pay，convidering the market At week about 150 ho Horse Exchange ls． cluding some very fine draft stoek，over
100 weishing from 1450 to 1700 置 The good demand for railrcad and lum ler horses helped to dispone of most of hem at eatisfectory prices．The general ranke of prices was as follows：Heavy
drafts， 8180 to 8220 ：general purpese， 8142 \＄175：wogon and exprexa horses，$\$ 150$ ably sound horses， 835 to $\$ 70$ each．

## LIVE STOCK

Sive stork receipts continue to show a
large percentage of finfertor stuff．Choice arge percentage of inferior stuff．Choice
vitelers cattle are searce and wanted The export market rules steady for th＇s at all plentiful，continues to bring good prices．Receiptis ru＇e about the same as for the past few weeks． The run of exportera continue large for
the nenson，with n large proportion of in－ ferior stuff．At the Union Stock Yards on Tue day，in a larra run，there were a few of choiee euality．Ton prices were hightr
ont 85.75 for the week previous．But taking the keles altogether，an ndvance of 25 c a cowt．will be about right．White a fow
sales were made above 86 the bulk of the trading in exporters wan done at 85.25 to $\$ 5.75$ ．Thiok beefy heifers sold at 85 to

85．40：export cows at $\$ 4$ to 84.25 ，and bu＇le at 83.50 to 84.50 a cwt ．At the city mar－
Ket on Thuraday there were no exporter ket on Thursday there were no exporter
on offer．
Butchers＇eattle rule steady in price with Butchers＇catte rule steady butchers＇steers had cows sold higher on Thursday than old at $\$ 4$ to $\$ 5.25$ ，and cows at $\$ 1.50$ to 84.60 as to quality，Butehers＇bulls are
quoted at 8 ？ 50 to 83.25 and bologna bulls quoted at 82.50 to 83.25 and bologna buils Stockers and feeders are in demand，en pecially good heavy feeders，which are
scarce and wanted．Good，thick beefy scarce and wanted．Good，thiek beefy looking young eattie are also in demand， but the demand is chiefly for the best
quality of steers，from 900 to 1050 tbs，each． Prices ruled about as follows on Thurs day：Steers， 900 to 1650 lhs，each． 84 to
84.50 ；eteer， 800 to 900 Its，each， 83.50 to 84.50 ；steers， 800 to 900 tbs ．each， 83.50 to
83.85 ：good stockers， 500 to 700 lbs ，each． 83.85 ：good stockers， 500 to 700 lbs ，each
82.75 to 83.25 ，and common stockers，at 88 to 82.25 a cwt，
There was an active trade in milkers and springers at fair to so：d prices on 830 to 860 each，with a few ehoice one running up to 865 and $\$ 70$ each． Trade in veal calves continues
good prices．Quotations range from $\$ 5.50$ with a few cholce ones aelling up $\$ 7$ a ewt．At Buffalo veals are quoted

Prices have dropped 50 e a ewt．fer some lasses of lambs．These are uncastrated rams，which are coming on the market in larger numbers，and the price will likely ewe lambs was $\$ 5.90$ ，with the run geiling at 85 to 85.85 ；ewes at 83.60 to 83.90 and butck tit $\$ 2$ to $\$ 2.50$
There was quite a drop in hog price week at the lower range．On Thuraday
week dealers stated that prices mnst go still tower thts week but we shatt wee．Re－ oepts continue very light and the price is bound to keep up to a good level or
packers will hnve to go out of business． On Thursday seleets fed and watered wer quoted here at $\$ 8$ and $\$ 7.75$ t．o．b．at coun－
try pointa，a shade higher than earlier The Trade Bulletin＇s London cable of Oet，7th，quotes bacon as follows：＂The
market is wesk and lower，Canad＇a7 67a

## MONTREAL HOG MARKET

Montreal，Saturday，Oetober 9． $1909-$
The market here for live hrgs this we $k$ opened quiet with prices unchanged from last week，but towards the middle of the week，owing to the small supply of live 30 c per ewt．，and sales were made at 89 o 89.25 a cwt．for relected lots weighed off cars．There was a keen demand from the offerings were quickly d＇sposed off． The market for dressed hogs was strong in sympathy with the advance in the cost of live hogs，and prices were marked up
all around，fresh killed abattoir stoek be－ ng quoted at $\$ 12.75$ to $\$ 13$ a owt．
EXPORT BUTTER AND CHEESE EXPORT BUTTER AND CHEESE Montreal，saturday，October 9 ，1909． with a decidedly better feeling than has prevailed for some time past．Demand is better all around and prices firmer．The country markets during the past week or two have all sold at more money than those held during the first part of the
week，and there is a general feeling that week，and there is a general feeling that
the protracted period of dull trading has Just about ended，and that we are in fo Thetter times in the cheese trade．
The country markets opened up with the demand slow and prices ranged about $11 \%$ a 1h．On Thurgday，however，there was a better feeling apparent and prices gencr ally ruled at $11 \% \mathrm{c}$ ，and on Friday as high as $117-16 \mathrm{e}$ was paid in the country，tha
bulk of the offerings of colored checse at bulk of the offerings of colored checse at
Cornwall，and a portion of the offering Cornwall，and a portion of the offering
at Picton，fetehing this pries．The mar－ kets in the province of Quebec sold this week at prices ranging fro
ib．，acoording to quality．
The make of cheese in the province of Quebec is falling off very sharply owing for butter，which is drawing a good deal or butter，which is drawing a good deal
of milk away from the cheese factories． and wherever possible the cheese factor ies have started making butter．In the province of Ontario，however，the output continues to show a substantial increase over last year＇s，in some sections amount－ ing to as much as 15 per cent．of an in－
crease．Thin increase，however，is likely to be offset by the decreased make in the

## Save Roof Money

 There are more than 300 substitutes forgenuine Ruberoid．They have names wh
sound like Ruberoid．Before they are lu sound like Ruberoid．
they fook 1ike kuberoid． But a single summer tells the difference
For there is no rubber in Rulieroid． For there is no rubher in Ruberoid．I
not a tar roofing．Not an asplaalt roofit Not an ashestos roofing
Its wouderful properties are due to clusive product－Ruberoid gum．
This mm is This gum is texible like new rubber－buy
permanently withstands the heat，the co
lie raim
 RUBEROID

| Ruberoid roofing was the first ready rooting ly seyeral yaars． <br> Asphalts roofngs and the wo－called＂rubber＇ <br> Mitbento＂ronfly hare oome and <br> been replaced，While the first roofs of Rube <br> pat on mave than seventern years ago－look stil <br> Ruherold roofing is alno made in colors．These colon－Hed．Brawn，Green are a，part of the |
| :---: |

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## The shipments from the port of Montreal

 continue small，and the stook in store het is steadily decreasing．The quantity，however，is not abnormally large，and a goci demand from the other side would soop The butter market continues firm．es pecially on fand ereal however，a tendency to cut prices dow on the fresh receipts which are not show
ing up very well in the quality，in croit to rush these rapidly into consumption， and these goods are offering at from $2 k$ to $24 / \mathrm{ce}$ a ib ．8trictly finc $8 t$ ，however， quoted from $24 \%$ to 25 e a lb ．The eupply of butter is getting smaller each week to supply the local requirements from day to day．There is still a large quantity of cream being shipped to the United States and this has interfered with the supply of butter from a number of districts in then Eastern Townships．

CHEESE BOARDS
London Ont．Oct $2-1278$ boxes were of fered，all colored： 138 boxes sold at $11 /$ ， Viotoriaville，Que，Oot，2．－1200 boxes
cheese sold at $10 \% \mathrm{c}$ ． 8t．Hyadinthe，Qn

## st．Hyac cheese，11e．

Watertown，N．Y．，Oct．2．－Oheese sals． 5300 at 14
Canton
$\mathrm{N} . \mathrm{Y}$.
14 M ． cheese at $14 \%$ ．
Campbellford，Oct．5．－700 boxes of chees boarded；all sold at $111 / \mathrm{c}$ ．
Stirling．Oot． $5 .-700$ boxes of cheen boarded，all sold at $111 / 60$ ．
Woodstock． $\mathrm{Oct} 5 .-911$ white， 1400 colet Woodstock，Oct．6．－ 911 white， 1400 color
ed boarded； $11 \%$ bid；no sales． Peterboro．Oct．6．－ 3188 colored offerd． and all sold at $11 \%$ ． Madoc，Oct． $6 .-500$ boxes of cheew
boarded：all sold at $11 \% \mathrm{c}$ ．


1 can
being a
worthy
$\qquad$ 0．Burch
$\qquad$

Eotterthe, Oot, 7.-1827 white and 90
colored offered: sales, 90 wolored at 11
colured offered: sales, 90 colored at
71110 and 1097 white at $11 \%$ and 100
11 $\$ 160$ e: balance refuet.
${ }^{11} 5.46 \mathrm{c}$; balance refused.
white offered, the best offer, $11 \%$. None
woif
Kingston, Oct. $7,-70$ white and, 783 col-
ored checse registered, and most sold at
ith.
Winchester, Oot. 7. -405 white and 110 colored registered. About one-half of the
white sotd on the bord at $115-16 \mathrm{c}$. Alexandria, Oot, 7. 629 boxes of white Napanee. Oct. 8.-715 white and 710 colPicton, Oot. 8.-17 factories boarded 1741 boxes, all cotored: higheries bid 117.160 ; 184 Keld at $117-16 \mathrm{e}$; 1567 at ${ }^{11 \%} \mathrm{c}$.
ed the highest price bid was register. Which price all sold.
Perth, Oot. 8, -1300 eheese boarded: 1500 White and 300 eolored; all sold; ruling price $11 \% \mathrm{to} 11 \%$ to.
Ottawn, Oot. $8 .-851$ boxes of cheese board. ed: 644 colored and 207 white; 125 white
and 271 colored sold at 12 . and 271 colored sold at $11 \% / \mathrm{c}$.
Listowel, Oet,
Listowel, Oet. 8.-Eleven factories board.
ed 1998 boxes white cheese: on the board was $11 \%$. On ; he street bid terwards some sales were made at $11^{1}$ and
and tite. and $11 \%$ e

I can recommend Farm and Dairy as
being an up-to-date farm paper, being an up-to-date farm paper, and
worthy to be in every Canadian home.D. Burch, Norfolk Co., Ont.


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Agriculture, to improve the fols in
Agricalture, to improve the flocks in muton radsing districts
Shawville, Que., Oetober 19th, 1909
Campbell's Bay Que., October 20th, 1909 Chapeau, Que., Otober 22nd, 1909 .
Renfrew, Ont., October 26th Renfrew, Ont., October 26th, 1909 .
Eqanvile, Ont., October 27 $\mathrm{th}, 1999$, Killaloe, Ont., Oetober 28th, 199.9 St. Hyacinthe, Que., October 277h, 1909.
Lemnoxville, Que., October $281 \mathrm{~h}, 1909$ Lemnorville, Que., October 28ih, 1909.
8t. Gregoire, Que., October 30th 1909 LAssomption, Que., November 2nd. 1909.
Berthierville, Que., November 2 rd, 1909. Berthierville, Que., November 3 rd, 1909. Hawiek Jet., Que., November 2nd, 1909.
lacolle. Que., November Jrd, 1909, In addition to the above 1909 . sales will be held in Prince Edward Is. land and one in British Columbia. At the sales in the Ottawa Valley and those on
Prince Edward Island, only rams will dirposed off; at each of the other sales, TERMS CABH.
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## HOLSTEIN-FRIESLAN NEWS

## Farm and Dairy in the omfeial organ of The Canadian Holstein - Frieglan

 Association, all of whone membersare readers of the paper. Members of
the Association aro invited ber the Association are invited tombers of
items of tiond
for pobiterest to Holstein broeder for publication in this column.

Editor, Farm and Dairy - In
in Farm and Dairy, September an article der the heading "Holsteins in Prinee Ed-
ward Co.," I notice de Annandale" Was bought from Mr. Geo. kise. This is an error, as Mr. Biee never
owned "Dixie de Annandale.; She was Fred by the late E. D. Tillson at Annadale Farm, Tillsonburg, and sold to me when
two years of age. 1 sold her lost Wo years of age. 1 sold her last spring
to Mr. Ed. Purtell and her two year heifer to Mr. Benj. Leavens, and another
cow, Modeat Lady cow, Modest Lady 2nd Posch, to Mr. Hu-
bert MeDonald 1 have atill in
cow and a yearling herfer a four year old Annandale, and one grand of Dixie de recently gold her grandson, a vaghter. I
bull calf, sired by Couns to Mr. S. W. Carson of Wayne Mercedes, have two valuable heifers Lorne, 1 also Lady 2nd Poseh.-T. W. Mequeen, Oxford

BULL TRANSFERS FOR AUGUST, 1909.
(Continued from our Hontinued from our last issue.).
Hillide Champion, J. L, Riches to E. Rose sherbrompe, Que. L, Riches to E. C
Hivivew Statesman Posch, Walter B,



## 

 Joseph De Kol, Moonch, Robert, A. ClelandTo Thomas Johnon, Atwood, Ont.
King of Do King of Bagot, B. Hurtubise to H. Vin-
cent, si. Urbin, Que.
Lady
 Jogagan Paul Do Kol, William Suhring to
Lydia Dwer, Bornholm, Ont.
 Davies, Liloymminster, Saeklison to E. H. Moaxie De Kol Count, Laoki, A. Pearce to
Jonn Rock, Springford, Ont
Mercent John Rock, 8pringford, Ont.
Mercena Bonheur King, James Rettie to
Chester Lee Kelvin Milot Lee, Kelvin, Ont, Milloc Hercule Mot to Lavien
Milot, Yamaohicher, Que Milot, Yamachiche, Que, William Suhring
MItithehll Paul Do Kol,
to Jesse Looker. Mitchell Ont
 Nero Prinnee, Jameananton, Ont. Pettea to H. E. lege to Albertedes Teake, Ont, Agr? Col-
Olivier, Hereule. Me. Blenheim, Ont. St. Agapit, Hercule Milot to Josimiere, Que. Ont. Pat Bonerges, W. J, Mcỉoberts to MelMietje De Kol Butter Boy 2nd, Glenn.E.
Whine Pontiac Atla. Tregillus, Oalgary, Ala,
to to John H. Hughes, Burgesovane. Ont, Rettie
Pride of Abbotaford De Kol Ge, Re Pride of the North, D. G. Gooderham Prince Alberr Vifer, George Roach to
Wm. Gibb, Abbotafford, Owe
 H. Stewart, Balderson, Ont.
Robert Bruce De Kol, Donald E. MeMaster to Daniel MacRae, Vars, Ont. MoMas-
Rose Duke, Fred Row to Roland Put. nam, Aylmer, Ont. Row to Roland Put-
Rougemont, 0, E. Noiseux taine, Rougemont, Que.
Royal Dick Royal Diok, Adam Willoughby to Her-
 Segis Buckeye Prince. Dre L, de Le Har-
wood to Ed Maedonald. Alexandria. Ont Segis Hark Pietertig Pank, Dr, L, do LL.
Harwood to Thomas Davidson, Spring Vai. Ley ilver. Mist, James Herriot to James
Conery, Winnipe Man Silver Mist Jrd, James Herriot to John
Bogers, Hayfleld, Man
Bits Hir Alta Dekol Poseh, P. Allison to Geo. Sir Charles Posche, Ont. Eames Eagleson Sir Hilton Butter Boy, R, 0 . Morr Rir Jakinson, Dartford, Ont.
Sosion to Wm .
 sidney Tripp Pietertje J, in. Mallory to sianey Tripp, Cherry Valley. Ont.
sumarer Mil Ormshy D. . Flati \& Son
to Aron Main Shef D. Tedt De Kol Burke. id, Ont. F . Hieks to Jno.
Olarkson. Summerville. Olarkson, Summervilte, Ont,
Tidy Abbekerk Mercena Posch and W. Tidy Abbekerk Mercena Posch 2nd. W head to Wm. Higginoon, Jamerman, Moore

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