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The greatest advantage of Burrell-Laurence-Kennedy Machine Mills-ing over hand milking is the big saving every year in actual cash. When you add this to the other advantages you can not but admit that milking by the BLK Method, as one customer puts it, "Bas for hand milking beat by a milk", no matter what way you book at it.



A Big Saving in Labor and Money

are things you can not afford to ignore.

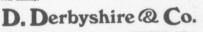
Each of these features mean

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It is impossible for us to tell you more this week, about the BLAK and what it can do for you in the way of saving labor, money, etc. but if you drop us a cord we'll giady send you literature giving full details. Get your card and pen now, before the matter slips your memery.



Head Office and Works - - BROCKVILLE, ONT. Branches: PETERBOROUGH, Ont. MONTREAL and QUEBEC, P. Q.

WE WANT AGENTS IN A FEW UNREPRESENTED DISTRICTS



"The Seeds with a Pedigree"

FARM AND DAIRY



A Dollar for a Dime

H. Percy Blanchard, Hants Co., N.S. A great deal has been said upon the There virtues of thrift and economy. is another side to this, perhaps a dan-gerous side, and that is-the extrava-gance of undue economy.

A typical story is told of a very close old gentleman for whom some carpenters were building a house. As carpenters were outland a house. As he stood watching the work, he noticed a lath nail fall into the chips — and each time the carpenter dropped a nail, the man was ordered to hunt for it till he found it again.

A few days ago we were racing against the clock and a north wind to get the last of the turnips in from a get the last of the turnips in from a five-acre field about three-quarters of a mile away from the root cellar. There were as usual some baby-size turnips, and, as the sun began to drop, we akipped those wee fellows; and resultantly finished the field by nightfall. The ground that night frome and stayed so till to-day; and to-day we had to lead a car with froze and stayed so thit to-any; and to-day we had to load a car with apples. As to the turnips, the last load we took in to the barn, tops and all; and then turned the sheep into the field for the leavings.

WASTE THAT PAID

It seemed wasteful to let perhaps 10 bushels of turnipettes go, but it paid. There is no real economy in taking There is no real economy in taking another piece of bread so as to finish the butter on your plate. I know of a lady who saved all the dish water and gave it to the pig. There certainly is a trace of nourishment in dish water; but its exaggerated fluidity is its objectionable feature.

All the same, the watchful care and calculation as to apparent trifles are calculation as to apparent vrinces and essentials on a farm. It is only that on occasion, for a greater gain, the lesser may be relinquished, and a thing of real value abandoned to waste, for the sake of saving a better.

How About the Yard? J. Billing, Brome Co., Que.



The City Land Holder is often Charitable and Philanthropic? Why shouldn't he be ?_iHis donations are earned by others,-the toilers of city and country

December 11, 1913

My barnyard at one time developed annually as trying a rubber boot stage as any barnyard in the vicinity. Then I woke up. One fall we took a few days off and laid tile drains 10 feet apart, 5f four inch tile, two and one-half to three feet below the surface. Nearby was a gravelly field that had been in need of "stoning" for some time. We got busy and picked the stones off this field and dumped them We must have in the barnyard. We must have covered the whole barnyard to a depth of a foot and in some places two feet These rocks were covered with good gravel, making a slope away from the buildings of about six inches in 50

Our barnyard is now Our barnyard is now a constant source of satisfaction for several months in the year. Every time that we see a barnyard in the rubber boot stage, we consider that our own barn-yard in the patent leather stage has well returned all the trouble and ex-pense that it involved to repair it. a constant

Confining the Bull

Jas. McGibbon, Northumberland Co., Out.

A man who will allow a bull six months old or over to run the roads. months old or over to run the reads, or even to have the run of a pastur-that is not very securely flored, should be considered guilty of crim-inal negligence and punished accord-ingly. Just a couple of days ago 1 was driving along a country road a few miles from here when grassing can the side of the road we passed a Hor-was a big, well grown follow and could have made a lot of trouble had he wanted to. he wanted to.

I suppose that had I upbraided the I suppose that had I upbraided the owner of that bull for allowing him to roam at will along the public highway he would have answered somewhat like this: "Oh, that bull wouldn't hart any body. He was always such a gentle-it shot we could do anything with

body. He was always such a generation of the second data with the could do anything with him. It really isn't necessary to the him with the second data with

him. It really isn't necessary to tie him up." I'll venture to say that there is never a month passes but what some unfortunate man or other is gored to death by a built that was always "so gentle." A bull is a dangerous ani mal at best and abould never be mal at best and should nover be trusted, particularly on the public highway after they are six months old. I believe as much as anybody in fresh air and exercise for bulls, but let them have it in especially we be the state of the state of

Another point that I would espec-ially emphasize is the necessity of ringing the bull. This is a compara tively simple job, but one that is of-ten neglected; and neglected with



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FOR WEEK ENDING DECEMBER 11, 1913

School Garden Work Among the Indians

EDITOR'S NOTE: One of the most interesting topics discussed at the conference of School Inspectors at Guelph last summer, was "School Garden Work." One of the most interesting of these addresses on this subject was given by Miss M. Mofitt, who told of her experience in teaching agriculture and conducting a school garden in an Indian Reserve. Through the kindness of Miss Mofiat, Farm and Dairy is able to give Our Folks her story, and also illustrations showing her garden and pupils. Here is Miss Mofiat's story in her own words:

My experience in school garden work is so recent that it is still fresh in my memory. I shall write a few words on three points only: the beginning, the object and the effects of the garden.

The introduction of the garden was the most discouraging part of the work. I met with no opposition?; on the contrary with most encouraging verbal approbation of all I suggested, but no action; and action is more successful than words in carrying out a plan.

When I entered on duty I found the school grounds barren of shade trees, but adorned with an abundance of docks, thistles and weeds; sufficient to supply all summer courses of the Ontario Agricultural College for years to come with specimens of the native and imported articles.

At the end of the first year we decided to improve the grounds. The pupils dug out, roots and all, over 2,000 docks, filled the mud holes around the school, made a walk with flat stones gathered in the yard and neighboring fields and planted a few flowers.

Miss M. Moffitt, Bruce Co., Ont.

I returned to Cape Croker very enthusiastic. I talked school garden morning, noon and night, and like the ancient mariner forced the unwilling to listen, to my satisfaction, if not theirs. boys play in their own back yard. My first object in having a school garden was to induce the people to have vegetable gardens near their homes. Having this object in view, I reserved a small part of the garden for the teacher's use

In this I plant a number of vegrtables, especially the new kinds, and give seeds of the same to the girls for their home gardens, that by comparing their gardens with the teacher's, they can see the benefit of proper care and cultivation.

No. 50

A few results of seeds thus distributed may illustrate this feature of the work. Last fall one woman after using Golden Bantam sweet corn daily during its season, had quite a quantity to dry for winter use. One girl of 15 years of age, raised 80 large cittrons, and two dozen of

These happy little Indian boys are pupils of Miss. M. Moffitt, Bruce Co., Ont., with the Indian school which all intervaling in the articolories. Miss Moffitt fails of the article addotnian. An Indian whose property adjoined the school off-red me an acre for "little Guelph," as we called it. I asked the authorities to accept the gift and fence it in. They all agreed it was a good idea, very good and very necessary, but, I sourcessary, but,

Meanwhile our good neighbor was the victim of a drowning accident, and his successors were unwilling to part with the land.

Products of Their Own School Garden Plots

As the school yard was too small for both garden and plagyround, the latter being mornecessary. I concluded, after waiting a year and a half, that the school garden idea was dead, and began to think of burying it, when we received a letter from Prof. McCready inviting us to join the School's Experimental: Division. I need not say we responded to a permiden

the other and the second secon

squash, besides taking first prize in the potato Club contest. Other garden's have produced equally good results, while some have yielded an abundant crop of weeds. Most of the lessons in cooking are given in the fall. I teach the preparation of the wegetables, and also of apples for the table The boys have charge, besides their individual plots, of the corn, grains and trees. They planted, cared for and pruned, several young apple trees. The last addition to the school grounds was a neglected orchaid.

SOME OF THE RESULTS

Now for the effects : The adult population evidence an increasing interest in farming, and I believe I am not wrong in thinking the school garden comes in for a good share in this awakening. Among the pupils, the garden has given an opportunity to develop two necessary traits; respect for the property of others and a sense of hono: when left to work by themselves. Formerly, among the boys especially, the one thought or aim seemed to be play; if they were left alone to do any work, the task remained undone. Now I can send the boys or girls of one class out to the garden while I take up other lessons, and they seldom abuse the privilege of working in groups and do their work as well as if the teacher were present.

In our first school garden all the vegetables that could be eaten raw disappeared rather mysteriously and I never saw a ripe apple on the trees. Now each can enjoy the fruit of his own garden, and since they have taken charge of the apple trees, it is a sad day for the boy or girl



The Girls Enjoy the Work quite as Much as the Boys Miss Mofilit does not confine the school fardnen work to the boys. The girls have their plots as well and prove themselves good farmers. A few of her pupils may be here seen with vegetables from their plots.

I wanted to do more but was somewhat in the dark as to how to proceed; at this period the teachers of N. Bruce had an excursion to Guelph, and Prof. McCready, in doing the honors of the College, took us through the Consolidated School gardens, explaining their object. who attempts to imitate Mother Eve. The consequence is that all the pupils have an apple at recess every day until about Christmas time.

Our boys are beginning to realize that in the long run, farming pays better than going off every summer to work in the mills or lumber yards. At different times the boys who have passed the entrance examinations have been given scholarships paying their high school or college expenses. Six of my pupils have had this privilege but until the present year I could not induce one to come to the Ontario Agricultural College. They did not want to learn about farming.

Last winter the Indian Department offered two scholarships for the Ontario Agricultural College. Four boys over 17 years of age were willing to return to school to compete for the scholarships and at the

time they could be of most help to their parents; as the Indians take out a quantity of timber during the winter months, so financially it meant no small loss for each family. This fall two of the most successful will enter the two years' course at the Ontario Agricultural College.

On the whole I think the school garden is a success and is giving an impetus to the agricultural movement. Though still chieffy a vegetable garden, I trust in time it will fulfil the expectations of the esteemed Director of Elementary Agricultural Education, and be a model farm for the people in its neighborhood.

Cow Keeping by the Clock L. K. Shaw, Welland Co., Ont.

I was asked not long ago for my opinion as to the one point in dairy management which most dairy farmers were neglecting. I had no hesitation in naming it as irregularity. It is of the greatest importance that strict regularity be observed both in feeding and in milking in order to secure the great-st degree of contentment in the herd. My cows are fed at stated intervals. They know when to expect their feed and do not worry or become restless. I have been in herds where irregular feeding was practiced and in which the cows were restless and looking for

feed more than half the time. Cows that are contented eat their food then quietly lie down, chew the cud and sleep or rest until another feeding time arrives.

I first give the grain mixture and milk the cows while they are eating it. I recommend this plan because some cows give up their milk more freely when eating that portion of their ration which has the most relish. I would not think of feeding the roughage before milking as it fills the air of the stable with dust and germs that get into the milk. Silage, roots and dry fodder are given after milking.

I give half the concentrates and half the roughage in the morning FARM AND DAIRY



Descendants of Our Country's First Inhabitants who are Getting a White Man's Education Here we have the full complement of children who are being interested in school garden work by Miss M. Momit, of Bruce county. Notice the nest stone school building. Buildings so good as this are the exception rather than the rule in rural districts.

> and the of half in the evening. I am satisfied that a we's stomach is large enough to accommodate all the feed she will eat in two feedings a day, that is after they have become accustomed to this routine. Feeding three times a day makes it necessary for us to be in the stable, and the cows are being continually disturbed.

But above all things I emphasize the necessity of feeding at the same time each day and giving the feeds in the same order.

Dollar's Methods With Calves

There are few of Our Folks who have not heard of E. H. Dollar, breeder of world-record cows. Farm and Dairy has told of Mr. Dollar's success as a dairyman after giving up a lucrative city business to go back to the old farm in New York State. Because of his success Mr. Dollar speaks with authority on dairy subjects. Here are a few of Mr. Dollar's ideas on calf rearing as told by himself:

"Let us start with a calf at birth. We will take it for granted that the mother has been properly nourished and properly housed, so that this infant has been brought into the world in a strong, vigorous condition. The mother and calf are placed in a box stall loose, and left there for a short time, varying from six to 12 bourts, acDecember 11, 1913

cording to the condition of the calf, but not longer than 12 hours under any condition. "There are two reasons why

the calf should be removed from the dam so early. We do not want the milk taken from the udder of the cow in too large quantities for at least two or three days after calving, because we have learned from experience that the heavy-milking cow that has had her udder entirely emptied soon after calving is apt to have milk fever or at least is more liable to this disease than she would be were her udder left well distended with milk. But the principal reason, so far as the calf is concerned, is that we do not want it to take into its stomach too much milk at one time.

"It should have a little of the mother's first milk, this seems to be necessary; but as soon as the calf becomes strong enough and begins to show a

tendency to take too much of this milk, remove it at once to a separate stall, milk a small quantity from the cow jour times a day for every six hours and feed it immediately, so that the calf will have the milk as near the temperature it came from the cow as possible. Of course the amount fed must be regulated according to the calf, but perhaps should not exceed one and a half pints every six hours.

"The feeding pail should be sterilized or scalded every day; in fact, I believe it more necessary that the calf pails should be given the very best of care, than it is that the milk pails be looked after to the neglect of the others. This little calf, then, should be fed three or four times a day for at least two weeks. One of the greatest mistakes made by many calf feeders is that they ask the calf to go too long between feeding times, and then allow it to take too much milk into its stomach at one time. Calves should be fed very much as a baby is fed, and no one would feed a healthy child at seven o'clock in the morning and then not until seven o'clock at night.

"After the first two or three weeks, the calf should be gradually changed from a whole-milk to a skim-milk diet by adding each time a little skim-milk direct from the separator, and it may also be fed three times a day instead of four. In

this way the calves will derive nearly as much nourishment from the skim-milk as from the whole-milk. To the skimmilk may be added a small amount of flaxseed to replace the fat removed by the separator. This is an excellent feed, and one on which calves do well. We feed milk to our calves as long as it can be spared, many times until they are a year old, but at no time do we exceed six or eight quarts at one feeding.

"As a grain ration to be used in addition to the skim-milk, we have found nothing better than 200 pounds of hominy and 100 pounds of oil meal, fed all the calves *Concluded on page s*

December

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Indian Children who are being Taught Industry and Respect for Property through School Garden Work A school garden interests country boys and pirls in agriculture; and it does more. Working with the soil in their own little plots develops industry, honosty and respect for each other's property. These are a few of their own little good results noted by Miss Month in her school garden work in Bruce Co., Ont.

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Soil Fertility Comes First

E. F. Exton, Colebester Co., N.S. The maintenpace of soil fertility is the basis of all good farming. The more I travei and the more J see of farming 'methods, the more convinced do I become that the first duty that we farmers owe to ourselves and to the land is that we maintain the fertility of the soil. I have knew men to be cranks on good cows and such poor farmers that they defeated their own ends by poor management of their field. How shall we maintain and increase plant food?

The first requirement to the maintaining of a fertile soil and the one on which I lay most stress myself, is the keeping of a sufficient quantity of live stock to consume all of the raw products of the farm. I have found that dairy cattle and hogs, particularly the dairy cattle, afford a profitable hoize market for the products of the

fields. The ideal system of marketing would be to sell nothing off the farm but products which contain practically no fertility and the hogs that are kept to consume the byproducts. In this county, however. many farmers ship their milk to the condensory at Truro, and hence much fertility must leave the farm. Many of us, however, do not consider this a losing proposition as the FARM AND DAIRY

ward, as it digests more quickly. It should be the best long timothy with a little clover mixed in, if desired, and should invariably be dampened before feeding to allay any dust there may be in it. Feed it from a manger and not from a rack. it is not natural for a horse to feed like a giraffe.

For a period of not less than a month each "year and longer if possible, all horses should be turned upon pasture. Grass is their natural food, and grazing their natural way of feeding. Nothing takes the place of this, and no horse can thrive without it. In addition to the rest it affords, the animal can secure for himself the natural medicines needed, and the system is regulated and built up in a way not otherwise possible. Besides there is nothing better to strengthen the tendons than grazing, or to improve the feet, than running upon soft ground.

Can We Afford to Raise Calves? John Patterson, York Co., Ont.

Right in my immediate neighborhood I can count over a score of dairy farmers who never raise a dairy calf. Their practice is to use a cow as long as she will milk profitably and when her days of usefulness in the dairy are over she is fattened and sold for beef. Many who have followed this practice have now got together good herds of grade Holsteins. But they are finding it more and more difficult to replace their good milkers. Likewise, they find that they have to pay more for even ordinarily good cows than ever before. United States buyers are taking care of that. Can we afford to raise our heifer calves, is the question that these dairymen are now scriously asking themselves. Just how much of that valuable milk that they are now sending to the city will be required to raise a good heifer calf, is the problem that

troubles them.

Recently I read a review in a United States paper of some experiments that had been conducted at the University of Illinois to determine just how much milk, or rather how little milk, is required to bring a heifer calf up to the point where she can live grain on and roughage without milk. I sent for the builetin and I find that in one test, consisting of



A Few of the Best Plowmen of Ontario and their Teams who Gathered at the Recent Provincial Meet in York County

good prices that we receive for our milk enables us to buy more mill feeds, and through these we return more to the soil than leaves the farm in the milk.

Another factor in the maintaining of soil fertility and one to which our farmers have long been alive is the growing of clovers. Probably on very light soils the occasional plowing under of green crops to increase humus is advisable. Why buy nitrogen in expensive commercial forms when there are tons and tons of it in the air over every acre of land; and this atmospheric nitrogen can be converted into splendid plant food through legumes.

There may be many factors in the maintaining of soil fertility that I have here omitted. My main point is to call attention to the maintenance of soil fertility as the true basis of good farming.

The Food of the Horse F. S. Key-Smith

Of all the grains, good heavy white oats are the best and most palatable as a constant diet. Corn should not be fed young horses or those unaccustomed to it, and never in hot weather. When fed there is a difference of opinion as to whether it is best to feed it on the ear or mixed with other fed.

Once and a while, depending largely upon the condition of the bowels, a hot bran mash, consisting of about three quarts of bran, a little flaxseed, jelly and molasses, or brown sugar, all scamed for two hours, should be given. This is much relished, especially after hard work in cold or wet weather.

As an occasional change of diet a well mixed chop feed of hay, corn meal, or cracked corn, and a little bran and oats will be found beneficial.

HAY ONCE A DAY

Hay should be fed but once a day-at nightnever before use, as it makes the horse sluggish, and preferably before a feed of oats than afterWhen upon pasture grooming is not only unnecessary but inadvisable. The dandruff or scurf which forms at the roots of the hair as well as the thickening of the coat itself is a provision of nature which protects against thorns, shivers and the elements. The contrary is true of stabled horse, especially if little used. To such an animal, proper grooming, in addition to improving the coat, acts like a massage, opens the pores and keeps the blood in circulation, and in this way, in a measure at least, takes the place of exercise. However, a horse should receive at least two hours' exercise a day, as it is impossible to keep him in condition otherwise.

A Progressive Club

B. C. Tucker, Hastings Co., Ont.

We have 109 members of our Farmers' Club; 78 of these are members of the Institute, and out of this club there have been two others organized lately, one at Anson, and one at Springbrook.

The volume of our transactions totals up to \$30,000. In nine months we have bought cooperatively seed corn, oats, clover seed, salt, bran, shorts, flour, sugar, binder twine, coal, besides a lot of dealing between members. We have sold horses in car lots. We sold 18 horses to one man for \$3900. We have shipped one and two car loads a week of hogs and cattle to Toronto, and we are now shipping our own poultry and expect to have an egg circle in operation soon.

Farming is no einch. I believe that is is the healthiest and most ennobling occupation on earth, bu' it is not a get-rich-quick scheme. If town people could only be made to understand this they would not be as inclined to consider us "grouchy" when we complain of the exactions of a protective tariff that is making get-rich opportunities for others at cur expense, or when we kick against the extortionate tolls of railroads and middlemen. 12 calves, the average amount of milk consumed during the first 10 weeks was 150 lbs. of whole milk, and 430 lbs. of skim milk. That milk altogether is only worth about \$4. Surely not a very big item when we place it against the \$100 or \$125 that w have to pay for a first class cow. City dairymen may be interested in knowing how these calves were fed.

The heifers received their mothers' milk for the first five days, care being taken that they were not over-fed. They were then given whole and skim milk and with two exceptions, each calf was fed 10 lbs. of whole milk and two lbs. of skim milk a day for about 10 days. By changing one pound a day the whole milk was gradually replaced by skim milk and at 25 days old the calves got skim milk entirely. They were then fed 12 lbs. of skim milk for 30 days until they were 45 days old when their ration of skim milk was reduced one pound a day until they were 50 days old, after which no milk was fed. A few calves not doing well were fed skim milk for five days longer.

Of course the calves were being taught to eat grain and roughage right along so they would not suffer unduly when cut off from their milk. The roughage consisted of good clover hay. Theoretically a grain mixture composed of ground flaxaed containing the oil would seem to be the dieal feed for calves maintained on the skim milk, but it was found in this test that because of its lack of palatability the calves would not consume enough of it, eating more freely of other grains such as whole oats four parts, corn four parts, bran one part, and linseed meal one part, which would seem to show that palatability is a more important factor than nutritive value.

From these experiments it will be seen that it is possible to raise calves on a moderate amount of milk. It seems to me to afford an avenue for city milk suppliers to renew their herds without paying out hundreds of dollars for cows of questionable quality.

Look for this Trade Mark



on every bag

Cost of Living Reduced

that is as far as your livestock is concerned, in fact you cannot only actually reduce the cost of feeding, but in addition, increase the butter fat in the milk from your cowsincrease the growth and weight of your cattle, sheep and pigs-and get better work and efficiency out of your horses.

All this can be accomplished by sim-ply feeding regularly GENUINE



Made in England

Remember there are dozens of molasses meal preparations on the market but only one MOLASSINE MEAL which is the original and genuine.

Scientifically prepared and protected by patents.

Put up in bags containing 100 lbs. Get it at your dealers or write us direct.

MOLASSINE CO. OF CANADA, LIMITED Montreal

Toronto

St. John, N.B.

Che Jolly Winter Time

with its clean snow, its crisp fresh air, and its merry bells will soon be here.

Then our boys and girls will want to spend their spare time out in the open air, filling their lives with pure enjoyment, coasting, skating and snow-shoeing.

Those Boys and Girls who have the skates, sleds, toboggans and snowshoes are lucky. What about those who haven't them?

We Want To Supply Them FREE

Any boy or girl who wishes to get a pair of skates, a nice sled, a toboggan or a pair of snow-shoes has only to write us and we will give you full particulars.

Pair of Skates	Place an X in the blank oppos-
Bob Sleighs	ite the article you want, and return to us.
'Sled	
Toboggan	Name
Snow Shoes	
Hockey Stick	Address

December 11, 1913

Canadians Win at International McEwen, of Byron, Ont.

Canadian stockmen did themselves proud and well upheld the honor of their country at the Fourteenth In-ternational Live Stock Exposition at Chicago last week. In fact, so well their country at the Fourteenth In-Lencoms and E. Browit, of Ridgetown, ternational Live Stock Exposition at wolds. The Lencoms and the Chicago last week. In fact, so well from Canada, John Kelly, of Shake was Canada represented in the horse, speare, Ont., and A. & W. Whitelaw, castle and sheep classes and so suc- of Guelph, dividing the money. might be called Canada's was at this. Due to have a money.

The premier of award of the whole competition at all, which remets all show, that for grand championship the more credit on our Canadian steer, again comes to Canada. J. D. stockmen. H. This grand steer, an illustration of which appears herewith, was singled out for a winner early in the will cat twice a day. With judging, He was not one of three this is incide a little salt and a liberal grand steers howen by Mr. McGregor, amount of charcoal. Charcoal is an

in. fat Southdowns. W Lee, of Highgate, cleaned up practically everything in Lincolns and E. Brown, of Ridgetown.

cessful were their entries, that this might be called Canada's year at the International. Canadians too were make mention of the splendid ex-trapresented in the judging list, Prof. hibits from United States herd. The Geo. E. Day, of Guelph, being the entries in all classes were of a superior sole judge of Yorkshire swine and character, and this year's Interna Robt, Graham, of Toronto, was one tional is a decided step in advance. of the trio who placed the awards on Canadian laurels were won only in the Percherons. The premier of award of the whole competition at all, which reflects all show, that for grand chambionship the more credit on our Canadian



Glencarnock Victor II., Champion at the International Exposition et Chicage This steer, owned and bred by J. D. Mediregor, of Brandon, Man, was last week declared the best steer in America. Glenarmock 'Ictor 2nd will be on exhibition at Guelph this week. After that he will be loaned to the Agricultural schools of Alberta and used on a demonstration trip through that province. Later, Mr. Mo Gregor declare, he will be algupht tot at Stranoon acting presented to his Friende to eat. It will be remain supply that the granoon acting greates of all prizes at the Chicago International last year.

he getting the award for the three excellent preventive of disease and an

he getting the award for the three excellent preventive of disease and an best cross-bred or grade stevrs in the aid to digestion and it may be fed show, and this in the face of the every day. strongest opposition, all of the beel "In raising clues we endeavor to breads from the best hours of the the strong the strong the the threads from the best hours of the strong the strong the Casalian cattle exhibitors during the strong the strong the with cattle good enough to strict at the youngest age possible. We be-attention were: J. A. Watt. Elora, lieve that more can be done in the with Sattle good enough to strict at the youngest age possible. We be-attention were: J. A. Watt. Elora, lieve that more can be done in the with Shorthorns: John Lowe. Elora, first year of a calf's life towards mak-grades and cross-breds, and Jas. ing it a profitable dairy cow, than can Howman. Guelph, with Aberdeen be done in any two years afterwards Anguas. It will be of interest to Cana-if the calf has been neglected. Grow dians to know that the Hereford the calf fast feed it liberally, and get champion, Refiner 7th, owned by J. away from the idea that a cow must Price, of La Cross, was sired by The be eight years old before she reaches Refiner, head of the Clifford herd at her best." Onbawa. Oshawa.

In the horse sections many of the In the horse sections many of the best awards came to Canada, particu-larly on Clydesdales. An indication of the success of the Canadian ext-Clydesdales from our Western pro-sumption. The cargo includes: 17,479 vinces. These Clydesdales took home boxes of budget of the cargo includes: 17,479 vinces. These Clydesdales took home boxes of butter, 255 carcases of veal, with them just 20 prizes, and 05 cargo of bodstuffs for Canadian con-Clydesdales took home boxes of butter, 255 carcases of veal, with them just 20 prizes, and 05 carcases of mutton. The first. Graham Bros. of Claremont, shipment of butter is the largest that Ont., also stood up, well. The Colony has ever been brought in one ship-Farm, Mt. Coquildam, B.C., were the ment to Vancouver. principal exhibitors from the West. It was in sheep, however, that monopply on Canadian Corn Shows

Items of Interest

rarm, ant. Conurtam, B.O., were the ment to Vancouver. principal exhibitors from the West. It was in sheep, however, that monopoly on Canadian Corn Shows Canadiana were most outstanding. In this winter. Lambton county is to Shrophiros, J. & D. Campbell, of hold a show at Petrolea, and a grant Woodville, secured two firsts, two sec-of \$100 has been promised by the De-onds and the grand championship for partment of Agriculture, and it is wethers. The championship wether expected that the county will vote a vill be on exhibition at Guelph this larger amount. Addresses from lead-week. John Kelly, of Shaksepare. ing corn men from the United States prises in fat Hampshires, as did Robt. show.

December 1

**** FARM M 20000000000

Value of S

I rented a farm fallow seven acres summer fallowed not seed down an entitled to?-J. E. I consider that

8

to do the sun cost about \$5 an therefore, that failure of the te terms of the lea ticulars mention be justified in the extent of al

Government

The usual dis and potatoes w Central Experimentation of the control of the contr The samples for will consist o pounds, oats fo pounds, and fit Distribution of pound samples from several o All sam tions. by mail.

Applicants m regard to the s of their experie grain or potato so that a suita ditions may be of seed is lim advised to appl All applicant

cations from tario and Queb be addressed to ist. C.E.F., O potatoes from vinces showed superintendent experimental fa

Manure

Is there any r with barnyard p escape of ammon of my farm it is the field and spi P. L., Peterboro Many mater mented with to

in stored barn the most comm or, better still, ial being quite has the adva manure a high Gypsum or lan sirable manure mon salt is all but must be of be economically could not be u where in Onta

Kainit conta of potash and a manure pres-lacking in pote son acid phosp son acid phospi good preservat deficient in pho Where the oughly tramp

moistened occa should keep f preservative. of all is to hau

Silo Exp

Editor, Fari coming year. many others i would be inter the subject of concrete and Farm and Dair experience wi structures. I have been

men who hav

FARM MANAGEMENT

Value of Summer Fallow

I rented a farm to a tenant to summer fallow seven acress and seed down 10. He summer fallowed only one acre and did not seed down any. What damages am I cutilde to P-J. E. K., Lanark Co Ont I consider that the labor necessary

do the summer-fallowing would cost about \$5 an acro. It is probable, therefore, that, on account of the failure of the tenant to live up to the terms of the lease in the various particulars mentioned, the owner would be justified in claiming damages to the extent of about \$70 .- J. H. G.

Government Seed Distribution

The usual distribution of seed grain and potatoes will be made from the Central Experimental Farm at Ot-tawa to farmers throughout Canada. tawa to farmers inrougnout Canada. The samples for general distribution will consist of spring wheat five pounds, oats four pounds, barley five pounds, and field peas five pounds. Distribution of potatoes in three pound samples will be carried on from several of the experiment sta-All samples will be sent free tions. by mail.

Applicants must give particulars in regard to the soil and some account their experience with such kinds of grain or potatoes as they have grown so that a suitable sort for their con-ditions may be selected. The supply ditions may be selected. The supply of seed is limited, and farmers are advised to apply early.

All applicants for grain and appli-cations from the provinces of On-tario and Quebec for potatoes should be addressed to the Dominion Cereal-ist, C.E.F., Ottawa. Applications for potatoes from farmers in other provinces showed be addressed to the superintendent of the nearest branch experimental farm.

Manure Preservation

Is there any material that I can mix with barnyard manure to prevent the secape of ammonia? Owing to the nature of my farm it is not advisable to haul to the field and spread during the winter. P. L., Peterboro Go. Ont. Many materials have been experi-

mented with to preserve the ammonia in stored barnyard manure. One of the most commonly used is dry earth the most commonly used is dry earlier or, better still, dry muck, either mate-ial being quite effectual. The muck has the advantage of giving the manure a higher nitrogen content. manure a higher Gypsum or land plaster is also a desirable manure preservative. Com-mon salt is also a good preservative, but must be obtained very cheaply to be economically used. Probably it be economically used. Probably it could not be used to advantage anywhere in Ontario.

Kainit contains a goodly percentige of potssh and is especially valuable as a manure preservative where soils are lacking in potash. For the same rea-son acid phosphate or bone meal make good preservatives when the soil is deficient in phosphoric acid.

Where the manure is kept thor-oughly tramped in the heap and moistened occasionally if necessary, it should keep fairly well without any preservative. Of course the best plan of all is to haul directly to the field.

Silo Experience Wanted

Sinc Experience waited Editor, Farm and Dairy, - I con-template the crection of a sile in the coming year. There are, no doubt, many others in the same boat. It would be interesting, I think, to have the subject of the relative merits of concrete and stave siles discussed in Even and Dairs he man who have had

you talk to these men of exp there does not appear to be the same unanimity in favor of the cement silo that we find in the farm papers when the question is asked. Perhaps, see-ing the large sums spent in advertising with farm journals by cement firms precludes them on business principles (the principle of "you scratch my back and I'll scratch yours") from dealing with the subject with perfect candour, for which we cannot altogether blame them.

A RUMOR OF DISSATISFACTION

I was told a few days ago by one of the largest and most experienced dairymen in Northumberland county that in Peterboro county, where there that in Peterboro county, where there has been for some years a great coment sito boom, that many of the coment sito put up there about 10 years ago, are today largely played out. The actent into the code in the silage has actent into the coment, leaving a very account of the owned in the silage has actent into the coment, leaving a very account of the source of the program. uneven surface, which prevents the perfect packing of the silage at filling time, and a lot of silage is consequently spoiled.

If there are any farmers among Farm and Dairy readers who have silos in this condition it would be in teresting to hear from them. It is the life of the silo in perfect condition that interests us. It's no use putting up a structure which is claimed to "last for ever" (on the outside) if the silage will eat its inside away. What is the condition of the average silo that has been up 10 or 15 years?-W. L. Martin, Northumberland Co., Ont.

Note-Will some of Our Folks who have had silo experience extending over 10 years send Farm and Dairy a story of their experience for the benefit of Mr. Martin and other pro-spective silo builders? The subject is an interesting one .- The Editor

-----**Our Legal Adviser**

DAM BACKS WATER-A built a dam on his premisers the surgeose of sup-topic of any surgeose of sup-built on the natural water course. Is makes the complaint that in the spring at high water time this dam backs the water up on the light high hinders him from putting in his arop. Is threatens to call on the engineer for the purpose of lowering the ditch and making A take out this dam. Can the diching excision any any --Subscriber. A to take out this A her the right to

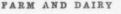
A has the right to construct a dam across a waterway flowing through his premises. But if by so doing, he damages by flooding lands belonging to B, B has the right to have the dam lowered so that his property shall not be damaged or is entitled to receive adequate compensation from A for the damage which his property has sus-tained.

HUNTING RIGHTS.—Can a hunter with a licence hunt deer on fenced or unfenced property?—C. R., Lanark Co., Ont. The fact that you have a hunter's license does not entitle you to enter

upon growing or standing grain not your own nor to permit your dogs to enter thereon, without the express permission of the owner or occupant. You have no right to hunt upon en

closed lands belonging to another after having had notice not to hunt or shoot thereon. This notice may be verbal or in writing or by signs at least one foot square, put on near the boundary of such lands containing the following notice or words to a like ef-"Hunting or Shooting Prohibfect: ited."

Farm and Dairy by men who have had resperience with the two kinds of heavey horse should be kept out in atructures. I have been gathering the views of while bulky feed and dusty hay men who have built silos for some should be avoided.



I



for 42 years has been recognized as the most reliable and effectual regulator and tonic for all domestic animals. It is composed of pure medi-cinal roots, herbs and barks, so blended as to act gently but surely upon the blood, bowels, liver and digestive organs, ensuring perfect digestion and causing the animal to draw more nourish-ment from a reduced amount of feed.

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(8)



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Blessed by Cooperation

Very often a dealer will go around the country, look the apple orchards over and offer the farmer a certain price for his orchard. A case comes price for his orchard. A case comes to my mind just now in my own county, where a woman had an or chard in which she had taken a coniderable amount of pride, and she siderable amount of price. Well, a had a nice crop of apples. Well, a dealer came to her and offered \$125 for her orchard. She thought the what offer was not sufficient, but what could she do?

"She said to herself : 'I cannot do "She said to nersell: 'I cannot do better, there is only one dealer in this district, and if I do not sell to him my apples will go to waste.' She came down to see me about it. I told ther I thought the price was a most unreasonable one for her orchard. The woman said: 'I will have to take it, there is nothing else for me to do.' I said: 'I will see if I cannot get your orchard into the association.

"I went to the association and told the members the story of how this woman had taken such care of her orchard and yet was only offered \$125 for it, out of which she had to pay the board of pickers and packers as well as hall the apples to the station. The association decided to admit her into their ranks. The sequel is that I had a letter from her just before I I had a retter from her just before I left for Ottawa, stating that she had received, through the medium of the association, \$1,035 for her orchard."-Dan Johnson, of Forest, giving evi-dence before the Agricultural Committee of the House of Commons.

Apples in London

H. Watson, Trade Commissioner, London, E. C.

Apple quotations have to a certain Apple quotations have to a certain degree been kept back owing to the crop in the United Kingdom having in many districts yielded much larger quantities than had been anticipated. but the prices for good fruit are con-sidered satisfactory. Unfortunately, in addition to the standard of Nova Scotia fruit being generally low, ow-ing to a partial crop failure, some of the cargoes which have come over have arrived in a shocking condition, and considerable losses will have to and considerable losses will have to be borne by careless shippers— a quan-tity of a cargo of apples which ar-rived recently having been knocked down at 4s, and even less a barrel. One of the weekly reports describes these apples as being landed in a de-plorable state, and it looked as if the bulk of the fruit had been cook-

When looking at several barrels of American apples which were being opened last week in one of the warehouses, it was noticed that in each case a disc of corrugated cardboard of about the same dimensions as the heading was laid between the apples and the heading at each end of the barrel. It was reported that this is harrel. It was reported that this is most advantageous in so far as it re-lieves the apples from the pressure of the wood and thus prevents damage by squeezing. Although the practice is said to be pretty general among the principal United States shippers, my informant stated that according to his experience it is rarely if ever adopted experience it is farely in ever adopted by Canadian shippers. As the ex-pense is small and the protection en-hances the selling value of the fruit, the greater use of this disc by Canadian shippers seems worth consideration.

A New Potato Disease

We are all of us acquainted with potato scab and blight. They have been with us from the first. Few of us, however, know that a new dis-Rhizoctonia, is becoming more and more prevalent in Canada, and in time may work untold harm.

We find it even on exhibition potawe and it even on exhibition pota-tees. At the recent Horticultural Exhibition in Toronto, H. Sirrett, B.S.A., a graduate of the Ontario Agricultural College, and one of the boys who has gone back to the farm, called our attention to the presence of caned our attention to the presence of this disease on a great number of the plates of potatoes exhibited. In some cases every plate of a variety would be affected. In appearance the dis-ease resembles little brown spots almost like earth. on the surface of the potato. The spots are not deep and can be almost washed off. The great trouble with this new disease is that so far no satisfactory method of combatting it has been discovered

Better Telephone Service W. J. Trimble, N.D.A.C.

There is need for even better telephone service in the country than in town, for in town people can more easily get into communication with easily get into communication with the person they want than in the country. If any one gets sick in the country, if the telephone is out of order, a long drive and much delay and expense mor result from poor service. Many a long drive being out is counter by the complose learned to of order. When one has learned to depend upon the 'phone, it seems doubly hard not to be able to use it

Just when it is most needed. On many country lines something seems to be wrong a good share of the time. Wires get crossed or are blown down, there is a choice assortment of distracting noises, or "Central" cannot be got.

Some responsible and efficient per-son should be in charge of repair work. Where the fault lies in the central office, more prompt and effi-cient attention should be given to troubles on rural lines. The comtroubles on rural lines. The com-plaint of a business man or even of a resident in town will receive prompt attention by the manager, but far-mers may be put off week after week with wretched service. A grave responsibility is upon those who are in charge of rural lines, for the issue of life or death may at times depend upon the right working of the 'phone, and at all times its ill-working entails much inconvenience and expense.

If rural life is to be built up and made more satisfactory and prosper-ous, and if the telephone is one of the main agencies in bringing about better conditions in the country, far-mers are entitled to the best of service.

Correction .- M. H. Haley, Spring-rd, Ont., had the junior champion Holstein male at the recent National Holstein male at the recent National Live Stock and Dairy Show in Tor-onto in his Sir Belle Fayne. The championship did not go to Leusaler & Bollert, as reported in a previous issue of Farm and Dairy. Likewise in get of one bull, Mr. Haley was Ist and 3rd, instead of only 1st, as noted in our report. Hase errors were due to mistakes in the type-written copies handed to Farm and Dairy from the secretaries' office at the fair. the fair.





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Farmers Sons Wanted with know



December 11,



Seasonable

Working in a will hasten the Don't forget th

clean house if y cess with the he The best time August or Septe too late now if sand.

Much benefit is out any possible are compelled to ter for their gra Fresh sand or necessary to the this winter. Cov floors at least the earth floors from Collect a barre dust. A bushel o

or frame, in a su hen house will b the fouls and wi the number of b A supply of gr ter should be lo

vegetable and re bought cheaper n Cabbages, beet ideal greens for ter. Small pota ples are also r when the fowls

indoor quarters. Keep the bird mornings until ground. It will prevent many As soon as

confine the flock the time, provide or leaves. Rye s is tough and la nothing else is stalks can be us Hens should b powder occasiona of a good dust l

.

occasions far fev pound of powder bushel of dust fo Refill the nest celsior, and dust thoroughly with peat this applica days, for the ne should effectually and these pests : birds for some addition to the d

sulphur or insec each nest.

Rations for

The following which are numbe have been carefu A. Benson, Dom sentative for Pr for crate fatten view to efficiency in obtaining the be borne in min fed in excess will of inferior quali peas impart a ha 1. Two parts one part ground

one part ground corn meal. 2. Equal parts buckwheat, and 3. Equal parts barley, and shor 4. Two parts one part corn m 5. Two parts grade flour or sl bran.

The husks sh the oats, barley, December 11, 1913

Seasonable Poultry Notes

pullets

sand

dust.

Working in a clean, dry litter now will hasten the laying of your early

Don't forget that you must have a clean house if you are to have suc-cess with the hens this winter.

The best time to resand floors is in August or September, but it is not

too late now if you can obtain dry

Much benefit is likely to result, with-

out any possible harm, if the hens are compelled to work in clean lit-

ter for their grain at all seasons. Fresh sand or gravel is absolutely necessary to the comfort of the hens this winter. Cover wooden or cement

earth floors from six to twelve inches. Collect a barrel or two of fine road

A bushel of this in a large box

and

the any a chill and of colds and roup.

floors at least three inches deep

bought cheaper now than later

Keep the birds indoors these cold

confine the flock to the house most of the time, provide a deep litter of straw

or leaves. Rye straw is the best as it is tough and lasts a long time. If nothing else is available cut corn

stalks can be used. Hens should be dusted with insect

days, for the nests especially. This should effectually destroy all body lice and these pests should not bother the birds for some time especially if in addition to the dust bath a handful of

sulphur or insect powder is put into

Rations for Crate Fattening

The following five meal mixtures, which are numbered in order of merit. have been carefully selected by Mr. J.

A. Benson, Dominion Poultry Repre-sentative for Prince Edward Island, for crate fattening poultry, with a view to efficiency and to convenience in obtaining the material. It should

borne in mind that ground corn

fed in excess will produce vellow flesh of inferior quality, and that ground peas impart a hardness to the flesh.

1. Two parts finely ground oats, one part ground buckwheat, one part

2. Equal parts finely ground oats, buckwheat, and barley.

barley, and shorts. 4. Two parts finely ground oats, one part corn meal, one part shorts. 5. Two parts barley, two parts low grade flour or shorts, one part wheat

The husks should be sifted from the oats, barley, and buckwheat.

3. Equal parts finely ground oats,

st is off

it becomes necessary to

indoor quarters.

mornings until the

ground. It will

prevent many and

each nest.

corn meal

bran

soon as



The proportions given above should be measured, preferably, by weighl and mixed to a thin porridge with thick sour milk, or buttermilk. On the average 10 lbs. of meal requires from 15 to 17 lbs. of milk

If the birds appear dull and stipated at any time carefully dis-solve and mix a small quantity of Epsom salts in one feed; if bowels are loose, add a little charcoal to one feed. Give grit and green food twice week

If milk cannot be obtained in suffi-If milk cannot be obtained in suffi-cient quantities animal food of some kind should be supplied, but the best results can be obtained by the use of milk or buttermilk.

All food should be mixed at least 12 hours before feeding, and a very small quantity of fine table salt added, not more than one-quarter of one per cent. Before being killed the birds should be starved for 24 hours but no longer, water only being given them during this time. to

It is good practice to feed clean tallow to the birds at noon, during the last week. The tallow should be shaved into the trough with a knife, and is fed at the rate of about a pound to each 50 birds.

Note.—Full information on crate fattening may be had in Pamphlet No. 2 of the Live Stock Branch, Ottawa, which may be obtained by ap-plying to the Publication Branch of the Department of Agriculture at Ottawa.

dust. A bushel of this in a large box or frame, in a sunny location in the hen house will be greatly enjoyed by the fowls and will help to keep down the number of body lice. A supply of green feed for the win-ter should be looked after now, as wegetable and root crops can be -----Cabbages, beets and mangels make ideal greens for hens during the win-ter. Small potatoes an ecked ap ples are also relished, particularly when the fowls are confined to their APICULTURE

Hints on Winter Housing A. A. Whiteside, Victoria Co., Ont.

crete Mach

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light or dark stripes, shaped neck, wide stayons, length 72 or

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Army Contractors, Dept. 6, 905 Queen St. West TORONTO ONT

When making two by four hive clamps the upper half can be made half-inch wood by splitting inch boards. The roof can from sound inch boards. The roof can also be made from the same mater-ial if paper is used, but if batting is utilized, the roof should be of gal-vanized iron strips an inch wide. Tongued and grooved boards may also be used without the batting. is well to provide the top side boards of the clamps with hinges, hooks, and eyes, so as to give easy access to the brood chambers for spring and fall examination and for removing or placing of supers. If of light half-inch lumber the roof should be hinged and hooked down for winter.

Gable ends that have been out during the summer, and tin covers that have been used to cover the fly holes will of course be replaced for the winter. The fly holes should be from six to 12 inches above ground. If bees are wintered in the cellar,

It 15th.

very well.

poultry. Pick them up occasionally. They will lay better if you treat them in a sociable manner.

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powder occasionally but the presence of a good dust bath will make these occasions far fewer. Mix about one pound of powdered sulphur with each bushel of dust for the best results. Refill the nests with straw or excelsior, and dust the pullets and hens thoroughly with insect powder. Re-peat this application in a week or 10

they are brought in when turnips are housed, or about November 15th. is essential to have them as near the is essential to have them as near the ceiling as possible, but not nailed up to the joist. If possible, have them resting on benches. They should also be in the warmest part of the cellar, and where the windows are kept darkened. A darkened room is especially important after Febru-

ary 15th. When bees are buried or pitted like potatoes or roots, a hole two feet deep and two or three feet wide about be left under them. The soil covering them is then covered with thatching or by a roof which will keep out leakage. Loam or sand is better than clay for this covering. An implement or wood shed, any

loft or a vacant house cellar, are not desirable places for wintering bees. A room off the kitchen slightly heat-ed and kept dark usually answers

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or a cuu of two new subscribers. 3. REMITANCES should be made by Post Office or Money Order, or Registered setter. Postage stamps accepted for muonits lees than \$10.0 On all checks add 20 cents for exchange fee required at he banks.

4. CHANGE OF ADDRESS. — When a blange of address is ordered, both the bld and new addresses must be given.

A ADVERTISING RATES quoted on ap-ploation. Copy received up to the Friday proceeding the following week's lassue. UNITED STATES REPRESENTATIVES STOCKWELL'S SPECIAL AGENOY Chicago Office-People's Gae Building. New York Office-So Sth Avenue.

WE INVITE FARMERS to write us y agricultural topic. We are alw ased to receive practical articles. CIRCULATION STATEMENT

CIRCULATION STATEMENT The paid subscriptions to Farm and tion of each issue, including copies of the paper sent subscripters who are but slight-ing arrest, and sample copies, varies tions are accepted at less than the fui-ubscription rate. "Description rates," and the state of the tion of the paper, showing its distribu-tion by counties and provinces, will be mailed free on request.

OUR GUARANTER

The second secon

FARM AND IRY PETERBORO.

FOR BETTER CHILDREN

When men gather together in convention, their discussions are mainly economic. Women have a higher mission in life and in their conventions they strike a higher note. More often they discuss the improvement of the race. This was the case at the Ontario Women's Institute Convention held in Toronto recently. One of the most important resolutions passed was inspired by this spirit of race uplift. The women asked that a Bureau of Child Welfare, designed for the collection and dissemination of information regarding children, the education and training for parenthood, vocational instruction, and right community conditions for the development of a healthy and virile people, should be established by the Ontario Provincial Government.

the proper and just source of taxa-Quite properly our women urged tion.

a

Canada are her own native-born and

with alarm the decreasing birth-rate

and high percentage of infant mor-

tality in Ontario, and would adopt

in Ontario a plan already in success-

ful operation in the United States.

The women believe that such a

bureau as they suggest would afford

their organizations and Public Health

departments a much more effective

The Ontario Women's Institute has

bringing so forcibly before the at-

tention of Ontario legislators the

necessity of such a bureau. Incident-

ally, why should not our Federal Gov-

Federal Government of the United

We all of us are working for the

can we work more effectively than

by using our influence in support of

this resolution, unanimously adopted

by the mothers and teachers of On-

A LESSON FROM MASSACHUSETTS

municipal purposes is an issue be-

tween the political parties of the state

of Massachusetts. Before the last elec-

tion in that state. Governor Eugene

W. Foss came out flat against the

introduction of single tax legislation

on the statute books. He claimed that

such a system of taxation would

place an undue burden on the farmers

of the state, and appealed to them to

defeat the measure. He thought to

frighten the farmers of the state into

supporting him, but he found that

During the course of the campaign

it was brought out that land values

in the three cities of Boston, Cam-

bridge, and Summerville are greater

than the land values of all the rest

of the state. With taxation of land

values in operation the landowners

of these cities would have paid most

of the taxes. Moreover, outside of the

three cities mentioned are several

other large centres as well as a great

amount of land values contained in

railroad franchises, water powers, and

other natural resources. The far-

mers of the state were well aware of

these facts and the governor's appeal

The situation is similar in On-

tario. There are single acres of land

in Toronto of sufficient value to buy

up several rural townships. It has

been further estimated that Toronto

land is worth as much as all the farms

of Western Ontario. Neither in Mas-

sachusetts nor Ontario, therefore, do

farmers stand to lose by the adoption

of the provincial taxation of land

values. Moreover, farmers are pro-

gressive in their views, and are com-

ing more and more to appreciate the

fact that a man should not be taxed

on his own improvements for the

benefit of the community, but that

the community in its land values has

fell flat.

farmers are not so easily fooled.

The taxation of land values for

States has already established

Bureau of Child Welfare.

tario?

channel through which to work.

"SWAPPING" BULLS

What to do with pure bred dairy educated children. Hence they view sires that we have been using for a couple of years is a problem that has perplexed many of us dairy farmers and our farmers' associations. Some time ago Farm and Dairy received a letter from one of Our Folks down in Nova Scotia, outlining a plan that he believes will solve the difficulty. In brief, our correspondent's ideal is that the agricultural department of each provincial government make it a part of their duty to arrange for performed a great public service in the exchange of bulls between individual farmers or societies. Each farmer who has a bull of which he must dispose to avoid inbreeding, would write the agricultural departernment act in this connection? The ment, giving the breeding of his bull, and the department would put him in connection with other farmers in the province who have bulls of that breed, and which they wish to exbenefit of future generations. Where change.

This plan appeals to us as being both simple and practicable. It would do away with one of the most serious wastes in the live stock industry of this country. Because there is no ready method of exchanging sires, most bulls are sent to the butcher before they have had a chance to prove their worth, and thousands of dollars are spent for new sires when an exchange would have been cheaper and more advantageous. What do Our Folks think of our friend's scheme of "swapping" bulls?

RURAL SLUMS

Slums are not confined to cities; the country districts of Ontario have more than their fair share. One does not need to go more than 100 miles from Toronto to find a rural slum condition which for sordidness and degeneracy has hardly a parallel in any city in Canada. Dr. B. E. Fernow, Dean of Forestry in the University of Toronto, in a recent address, told of one hundred and ninety farms in the northern parts of Victoria, Peterboro, and Hastings counties, and in the southern townships of Haliburton county, that were on sale at six cents an acre. This in itself reveals a serious condition. The most appalling feature is the vain expenditure of energy on the part of the people who, through lack of means to enable themselves to move away, have been obliged to continue their efforts at farming sterile land. Hard work and little returns may bring about a state of physical and mental degeneracy, which, as a sociological problem, will invite close investigation.

The soil in these districts is incapable, even under the best management, of being profitably farmed. Dr. Fernow makes mention of one man who, after gathering every wisp of hay from off forty acres, had only one thousand five hundred pounds, or thirty-seven and one-half pounds an acre. Another man, after spending a life of heart-breaking toil on one hundred acres, sold the farm for six bushels of turnips. In conditions such as this, children are growing up without proper nourishment, and almost without education.

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S URELY it is possible for Canada to adopt a joint mathematical and the standard sta

This appalling condition might have been entirely avoided had accurate soil survey's been taken of each district in Canada before it was opened up for settlement. These districts, however, were first settled before Confederation, while the soil survey idea is a comparatively new one. Several states of the United States have already recognized the importance of soil surveys and are conducting them in their rural districts.

Dr. Fernow, has performed a public service of no mean magnitude in calling attention to 'Ze importance of soil surveys in the new districts of Ontario; and of all Canada, for that matter. Many of the newer sections of Canada are possessed of no better soil than is the section that produced thirty-seven and one-half pounds of hay an acre. To open these districts for immigration is nothing less than a crime, and will lead eventually to the poverty and deprivation that is too characteristic of a portion of the Trent Valley District. By all means, let us have soil surveys.

We Want Better Citizens

H. C. Price, in Twentieth Century Farmer

A stream never rises higher than its source; neither is a farm or a community better than the men who are responsible for them. We want better ms and better farming, but, above all we want better citizens-men who have the vision to see not only the problems of their own farms, but of the community in which they live. We need men who have the perspective to see the problems of agriculture in their relation to state and national problems-men who do not clamor for class legislation, but demand that agriculture gets its just deserts at the hands of legislatures and no more. We need men who will resist the exploiting of agriculture by the politi-cian and the demagogue under the guise of being the farmer's friend.

We need men above sect or creed who will work for the rural church, the school, and every agency instrumental in promoting rural life. Such men will be discovered, trained, and developed through cooperative organization of our rural life, and God speed the day when our farmers will be bound together in thoroughly organized cooperative associations, working for the common end-a better, richer, broader farm life.

December 11,

THE

ANADA to da taxed countr is, or should . able boast. Non nations with the able boast. taxes can approa taxes are concern Dreadnoughts by mad race for sup and land by Gen by France and th not call for such as peaceful, agric The United Sta up to Canadians highly taxed by duties. Compari-venue per head o

venue per head o a remarkable difi amount paid by United States cit tax per head in averaged less than Canadian customs cont year \$115.06 ent year, \$115.06 lation now at average amount dian customs am T head yearly. the ordinary fam tributes to out \$71.90. In the \$3.50 per head, th \$17.50, making

AD.

"Wot beats m steal," said the got no need to. to work for 'im. This is just dairymen think breeder who sen sions of the anir either as to Lea or line of breed find that truth tion to their of build up infinit

and permanent selves than mi can. Mr. J. E. K.

right key in his of Farm and Da ers of dairy cat this will profit There is no me tice, nor one th mitigate against breeders of dain very practice of the sale of surp our big fellows the dairy world such practice, b ledge that there find it difficult of their system it but clever b their fellow bre few instances amateur or beg cious of breedet this way both t ty suffer, and on that particul We ask "Ou Farm and Dair

the remarks of ply them gener voicing a senti best interests o which will tend casional breede that by mis through adverti cheap, inferior mals can be s choice ones.

Those of our to secure addit ginners in the are starting net to note careful who have relia sale through th " A Paper Fa J. A. Macdonald, Carleton Co., Ont.

aixed control in the world. This is, or should be, a most unenvi-able boast. None of the European nations with their burdens of war taxes can approach Canada so far as taxes are concerned. The building of Dreadmoughts by Germany and the taxes are concerned. The building of Dreadnoughts by Germany and the and land by Germany, by Eugland, by France and the other nations does not call for such taxes on the people as pageoful, agricultural Canada does. The United States used to be held

The United States used to be held p to Canadians as so much more up to Canadians as so much more highly taxed by its night protection duties. Comparing the customs re-venue per head of population there is a remarkable difference between the amount paid by the Canadian and United States citizen. The customs tax per head in the United States averaged less than \$3.50. Taking the averaged less than \$3.50. Taking the averaged less than \$3.00. Taking the Canadian customs revenue for the pre-sont year, \$115,063,687, and the popu-lation now at eight millions, the average amount paid into the Cana-dian custome amount to \$14.00 average amount paid into the Cana-dian customs amounts to \$11.48 per head yearly. The bread-winner for the ordinary family of five thus con-tributes to our customs revenue \$71.90. In the United States, at 9.50 per head the united States, at \$3.50 per head, the tax would be only \$17.50, making the customs tax in

AD. TALK

work for 'im."

This is just what our sensible dairymen think of an occasional breeder who sends out false impresbreader who sends out false impres-sions of the animals he has for sale, either as to faath, individual merit or line of breeding. Such men will find that truth and general satisfac-tion to their customers is able to build up infinitely more profitable and permanent business for them-selves than misrepresentation ever rens.

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Mr. J. E. K. Herrick struck the right key in his article on page 45 of Farm and Dairy last week. Breed-ers of dairy cattle who have missed

ers of dairy cattle who have missed this will profit by looking it up. There is no more disreputable prac-tice, nor one that is doing more to mitigate against the fraternity of breeders of dairy cattle than this the refle of auronic animate. Mast of the sale of surplus animals. Most of our big fellows who loom large in the dairy world are entirely above such practice, but we must acknowledge that there are still a few who ind it difficult to get the poison out of their systems, and who consider it but clever business .to .defraud their fellow breedrs. It takes but a few instances .of .this to make the amateur or beginner entirely suspi-cious of breeders in general, and in this way both the innocent and guil-

this way both the innocent and guil-ty suffer, and discredit is reflected on that particular breed. We ask "Our People" who read Farm and Dairy to consider well the remarks of Mr. Herrick and aprarm and Uarry to consider well the remarks of Mr. Herick and ap-ply them generally. He is indeed voicing a sentiment that is in the wage-carner was compelled to pay best interests of the industry, and one-third of his wages to a direct tax which will tend to suppress that oc-that by misrepresentation either thing now — giving one-third of his through advertising or personally, wages back to the powers that bo-cheap, inferior, or diseased ani-choice ones. Those of our readers who are out tools upon which he pays a subsidy of those of our readers who are out

Those of our readers who are out secure additional animals, or beto secure additional animals, or be-ginners in the dairy business who are starting new herds, will do well to note carefully the big breeders who have reliable surplus stock for sale through the columns of

"A Paper Farmers Swear By "

ANADA to day is the most highly Canada 320 per cent higher than in taxed country in the world. This the United States per head of population.

FOUR TIMES MORE THAN U.S. In other words, Canadians pay over four times as much customs tax per head as do the United States; 410 per cent as much.

But this is by no means the amount of tax paid by Canadians per head or per family. There is the concealed tax which we pay for the privilege of protecting "infant industries," by which the manufacturer is permitted to increase prices to the consumer in proportion to the rate of protection. Thus, a 30 per cent tariff in woollens allows the Canadian manufacturer to increase the price of woollen goods 30 per cent

WHAT THE INDIRECT TAX AMOUNTS TO The total value of Canadian manu-factures in 1910 was \$1,165,975,639. In 1918 the value of Canadian manumade here increased from 1910 \$490 millions, taking the average increase of the census decade as 14 per increase of the census decade as 14 per-cent per year. Our manufactures, therefore, has increased 42 per cent (more likely 50 per cent), and now amounts to \$1,655 millions. If the average increase in price owing to protection duties be taken as 25 per cent, the Canadian people in one year paid over 413 million as a subsidy to the protected manufacturers.

"Work beats me is why 'e should the average subsidy paid per lead the Ockney. "E ain't would amount to over \$01 in get no need to. "E's got a good wife the present year. For a family of or work for "im." the bread-winner for a family of five would appear to contribute \$327.99 yearly on account of tariff barriers \$327.90 Such a generous burden might well be expected to induce many of us to support free trade, at least in part.

TAXED ONE-THIRD OF OUR INCOME

Three hundred and twenty-seven three hundred and twenty-seven dollars and ninety cents, the amount yearly paid by the average Canadian bread-winner, including the farmer, towards the upkeep of our government and our manufacturers is just about one-third of his income. this contribution is taken from us by such slight of hand tricks that we do not see it, and yet nobody escapes these taxes that lives and labors. There is no way of escaping this an-nual contribution; the poorest person pays the largest percentage. The pays the largest percentage. The iquor-drinker even must pay in con-tributions to the brower and the gov-ernment. The chasp clothing of the poor bears the highest tax. The chasp boots of the farmer and wilding and subsidies of the higher and wilding and subsidies of the high cost of iv-Way shealdn't is he high? We have to give hack one-third of our wages to manufacturers and the gov-ornment. If we cot \$34 adar, out \$25 is

ernment. If we get \$3 a day, only \$2 is our own. The other dollar is the toll

tools upon which he pays a subsidy of \$150 to the protective interests. He must also possess from \$300 to \$500 worth of horse power. The ordinary farmer must possess about \$10,000 worth of tools to work with, while the strate laborer needs but a dollar pick and shovel, while the clerk and book-keeper needs no tools at all.





N THE big, roomy house or in the small cottage there is always some cold corner where extra heat is needed.



Solid Comfort in Cold Weather

gives you heat, where and when you want it. The new model Perfection Heater, just on the market, has improvements that make it the best heater ever made. No smoke - automatic-locking flame-spreader. No smell. Flat font insures steady heat. Indicator in sight. Burns nine hours on a gallon of oil. Finished with blue enamel or plain steel drums; nickel-plated. Stock at all chief points.

For best results use Royalite Oil				
THE	IMPERIAL	OIL COMPANY,	Limited	
Toronto	Montreal	Winnipeg	Vancouver	
Ottawa	Quebec	Calgary	Edmonton	
Halifax	St. John	Regina	Sarkstoon	

ROWE "

SANITARY LAVATORY

SEALED TENDERS addressed to the Postmaker General, will be received at Ottawa until Noo. on Priday, the 2nd January, 1514, for the conveyance of His Migasty's Mails on a proposed Contract for four years, six dimas per week each way, over Lakefeid Rural Route No. 1 (Lakefeid and Lakebursh, from the int April Inter-

April next. Printed notices containing further in-formation as to conditions of proposed Controot may be seen and bat the Post of the post of the second bat the post Office of Lakefuld. Lakefurst. Hall's Bridge and Selvyn, aud at the Office of the Post Office Inspector at Kingston. M. MERRICK, P.O. Inspector.

P.O. Inspector's Office, Kingston,



Write us for particulars and for our Book on Clean Stables

FARM AND DAIRY

************************ **Creamery Department** builter makers are invited to send outributions to this department, to ask questions on matters relating subjects of Grammers Department.

A Creamery Man of Alberta By Max McD.

In Southern Alberta is found what is probably the last new country which is destined to become a great dairy field. Gradually, but steadily, the dairy industry has moved westward from the eastern provinces ,and ward from the eastern provinces, and now the great prairies of the country west to the Rocky Mountains has be-come a wonderful dairy belt. With the dairy industry has come a number of the best dairymen of the eastern provinces. Old Ontario, and the provinces by the sea, have given up of her best to satisfy the call of the west. And the men from the east have made good in the dairies of western Canada.

One of these men is Harry McIn-tosh, of Cardston, Alberta. McIntosh began stirring milk in Almonte, Ont., and in the small cheese factories around that town. Later he became around that town. Later he became manager of Mississippi Pride, the largest cheese plant in eastern On-tario, situated in the town of Al-monte As late as 1901, Mr. Mcla-tosh entered the Dairy School at Aingston, Ontario, and spent two Compressed and the sector of t winters there. Coming west in 1911 he located at Innisfail, Alberta, and operated the creamery that this year took all the firsts and gold medals wherever it entered its products in Ontario. Leaving Innisfail the fall of 1911, the subject of this paragraph came to Conduct Albert came to Cardston, Alberta, and here he has made a record for himself, that makes him one of the foremost men in the dairies of western Can-

Mr. McIntosh's accomplishment is along the line of cream grading. When he took hold of the Cardsion creamery, and up till this summer, no attempt at grading cream had been manager and butter maker started a viporous campion parising southings. vigorous campaign against anything but first grade cream and his suc-cess was the subject of much discussion and a great deal of compliment at the Dairyman's Convention, which has just closed at Olds, Alberta. The Dairy Commissioner for the Province, C. Marker, referred in the rowince, terms to it: "The most phenomenal success ever attained in cream grad-ing by any creamery in the pro-vince." vince.

tions so favorable to the development of this great industry as in the district in which his own creamery is locatin which his own creamery is locat-ed. The immense pastures of the foothill country are a nursing ground for dairy stock. Mr. McIntosh was of opinion that on 25 per cent. of the farms in the western part of his constituency there was a running spring.

. The influence of dairying on intensified agriculture was touched The success of the farmers in upon. the older provinces in bringing from their farms the returns and profits their tarms the returns and profits which were waiting for them, has been accomplished to a degree of thor-oughness by intensified agriculture, and dairying has filled the gap be-tween the promise of what the land will provide and a complete fulfilment of the nossibilities. of

the possibilities. Mr. McIntosh was asked about the feasibility of starting a condensing plant at Cardeton. He replied that he

December 11, 1913

would be willing to close his creamery in its favor, but for one thing. The condenser takes all the milk off the farm. There is no food for hogs superior to skim milk, and with the rough grain so easily obtainable in rougn grain so easily obtainable is Southern Alberta, pork production is destined to be carried on in a most economical manner. The hand separ-ator on the farm has solved the pro-blem of handling milk. It reduces the bulk to be sent to the creameries to about one-eighth of the whole, and leaves the warm, fresh skim milk ready for feeding on the farm. GOVERNMENT ASSISTANCE

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In Alberta, the creamery man ex-plained, the government fosters the development of the dairying industry by taking active interest and lending necessary aid to the amount of \$1,-



A Man Who Dors Things

We here introduce Parm and Dairy read-ers to Mr. Harry McIntosh, manager and battermaker of the Cardiston creamery in Alberta. As took, by cream grading-raised the standard of the butter from his oreamery from inferior to 55 per cent specials in three months. He was one of the speakers at a recent Convention at Odds Alba .

500 for the starting of creameries, but these institutions are absolutely un-der the control of the patrons, and the management falls on a board of di-The rectors chosen by the patrons. The Cardston creamery issues two checks a month for butter fat, and Mr. Mc-Intosh remarked that even if they were not as large as the annual grain check divided by 24, their coming 34 times in the year at regular interest rectors chosen by the patrons. times in the year at regular intervals pleased the grocery-man considerably hetter.

better. The Cardsron creamery will have a display of butter at the fair of Ontario next year. The reason that Mr. Mc-Intosh did not send an exhibit this year for competition was the fact that he was too busy to prepare it. There is little doubt that the butter that graded 85 per cent. special would take the medal for Old Ontario.

I have been thinking over the sit-uation re rural depopulation for some years, and am glad to see the articles published by Farm and Dairy on the subject. This is one of the most vital of our social problems.-W. C. Good, B.S.A., Master Dominion Grange. Grange.

I am a comparatively new member of the circle you call "Our Folks," having joined less than one year ago. having joined less than one year ago. I appreciate the value of your paper. It has won for itself a place in our home, and we feel we could not be without it. In this way it has become "One of Our Folks." One week in October we missed a number, and it seemed as if "One of Our Folks" was absent that week.—Fred A. Newman, Alegona Dire. One Algoma Dist., Ont.

December 11, 1913

****** Cheese Depa Makers are invited to Makers are invited to butions to this departn questions on matters cheese making and to i jects for discussion. Ad to The Cheese Makers' to The Cheese Makers'

Paper Boxes for

W. W. Moore, Chief Mar Ottawa

Owing to the increase owing to the increases suitable cheese box main high percentage of bre-present type of box, set have been made to place cheese on the mark for without much success. a few lots of cheese we boxes made from pulpy results were not satisfa

Some of the defects box was not strong end much vertical pressure, not be trimmed down undersized cheese, and exposed to moisture it b that it would not stand fact, this kind of box w on with so much disfav cut the price on any ped to them in paper and Cold Storage Repo

Acid or Renne

The relative merits of rennet tests for determ dition of milk for the cheese are compare bulletin issued by the Department of Agrico bulletin summarizes the of T. G. Hastings Evans. Their conclu Evans. briefly summed up as fa

In the making of the of cheese, it is desirable dition of the milk be whey can be drawn fro the expiration of appr same time each day. " the cheesemaker mus ripen the milk to app same point each day. employed to determine of the milk, the rennet other of its modificat acid test or the titration

From the work effect ers, it is evident that pose of determining t milk for cheesemakin test is superior to the

The Foam Pr

Milk pumps, separa teurizers with revolvin the usual causes of f and it is the skim mi bothers most in this r We cannot always

but we can frequently of lessening the amo N. Y. Produce Review the acidity of milk th the air is incorporated secure sweeter m to

When using pasteuri with revolving dashers dashers faster th When using a pump enough milk is at has to prevent the pump It has been recomm when pumping milk, is narrowed at some pump and vat so the compressed somewhat air will be expelled: FOAM KILLING AP

To kill the foam af created a number of a been manufactured, of ope where the practic ing skim milk is mor

ada. SUCCESS THAT IS UNUSUAL.

Regarding the country as a dairy field, Mr. McIntosh said he had stu-died different parts of the Canadian West, but nowhere did he find condi-INFLUENCE OF DAIRYING

FARM AND DAIRY

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LDWELL ISSES M

FOR

TTLE HORSES

SHEEP W. PROCESS

CALOWELE FEEL 110-21

Reseccessessessesses **Cheese Department** Makers are invited to send contri-butions to this department, to ask questions on matters relating to choses making and to suggrest sub-joints for discussion. Address letters to The Oheese Makers' Department.

Paper Boxes for Cheese

W. W. Moore, Chief Markets Division, Ottawa

Owing to the increased scarcity of Owing to the increased scarcity of suitable cheese box material and the high percentage of breakage in the present type of box, several attempts have been made to place paper boxes for cheese on the market, but as yet without much success. Last season a few lots of cheese were exported in boxes made from pulpwood, but the results were not satisfactory.

Some of the defects were that the box was not strong enough to stand much vertical pressure, that it could not be trimmed down to suit an undersized cheese, and that if it was undersized theses, and that it is became so soft that it would not stand handling. In fact, this kind of box was looked up on with so much disfavor by the ex-porters that some of them threatened to cut the price on any choese ship-ped to them in paper boxes.—Dairy and Cold Storage Report.

Acid or Rennet Test

The relative merits of the acid and rennet tests for determining the con-dition of milk for the cheddar type of cheese are compared in a recent bulletin issued by the United States Department of Agriculture. This bulletin summarizes the investigation of T. G. Hastings and Alice C. Evans. Their conclusions may be

briefly summed up as follow: In the making of the cheddar type of cheese, it is desirable that the con-dition of the mik be such that the whey can be drawn from the curd at the expiration of approximately the same time each day. To control this the cheesemaker must be able to ripen the milk to approximately the same point each day. Two tests are employed to determine the ripeness of the milk, the rennet test in one or other of its modifications, and the acid test or the titration of the milk.

From the work effected by the writ-ers, it is evident that, for the pur-pose of determining the ripeness of milk for cheesemaking, the rennet test is superior to the acid test.

The Feam Problem

Milk pumps, separators, and pas-teurizers with revolving dashers are the usual causes of foam on milk, and it is the skim milk that usually

bothers most in this respect. We cannot always prevent foam, but we can frequently employ means of lessening the amount, says the N.Y. Produce Review. The higher the acidity of milk the more easily the air is incorporated, hence efforts to secure sweeter milk may help

When using pasteurizers or heaters with revolving dashers do not revolve the dashers faster than necessary. When using a pump be sure that enough milk is at hand in the feed to prevent the pump sucking air. It has been recommended that if, when pumping milk, the standpipe is narrowed at some point between pump and vat so that the milk is compressed somewhat considerable air will be expelled.

FOAM KILLING APPLIANCES

To kill the foam after it has been created a number of appliances have been manufactured, chiefly in Eur-ope where the practice of pasteuriz-ing skim milk is more general than

among creameries in this country. Some years ago the Minesota State Dairy Commission recommended the following plan of killing foam on pasteurized skim milk in a circular sent out to creameries in that state: Set up an old box churn or similar Set up an old box chum or similar tank with the manhole on the side. Let, the milk supply pipe enter from the top into a tee in which the ex-haust pipe enters from the side. Make the outlet the larger and thus make the milk sputter. Milk is drawn from the bottom and overflow is arranged near the top. To rid due skim milk tank of fram

To rid the skim milk tank of foam a large sprinkling pot full of cold water is a great convenience.

Judging Competition at Chicago

The Ontario Agricultural College and Macdonald College eighth. Texas had the winning score of 3,654. Mis-souri was second with 3,495; and the three Canadian colleges scores 3,413, 3,409, and 3,402 respectively. Mac-donald College made the best score on any one subject that was made in the whole competition-1,094 on horses.

The outcome of the whole compe-tition was decided by the sheep class. In sheep judging Texas took 955, and the next nearest score was 790. The manner of the difficulty was this, in a class of Shropshire lambs, one lamb who was almost otherwise perfect, had a white spot on his black face. The Texas student disqualified him, on this account, and put him to the bottom of his class. All the other students, on account of his perfect conformation, put him to the top. In this way they lost 50 points for each student, or 250 for the class.

This is one of the four cups donated for the Best Horse, Beef Animal, Dairy Cow, and

Pen of Bacon Hogs shown at the Guelph Fat Stock Show

this year.



THE WINNER

was shown in PERFECT Condition

The difference between the blue and red is often merely a matter of condition. You've often noticed that. Most of the consistent winners at the Fall Fairs will tell you that there's nothing like

Caldwell's Molasses Meal

for getting an animal in tip top condition in a very short time.

This meal is **all food** and an easily digested food—the only feed on the market manufactured entirely from Pure Cane Molasses.

We are again offering Silver Cups at Guelph Winter Fair for the best conditioned horse, steer, sheep, and hog. No restriction as to feed.

If you own an animal with breeding enough to win, if shown in first-class shape, it's easy enough to get him there with Caldwell's Molasses Meal. It tones up the digestion without scouring, eradicates worms. You will see that animal piling flesh and bone under a glossy coat in great shape. Ask the man who uses it.

If your feedman doesn't keep it, write to us.

THE CALDWELL FEED CO. LTD., DUNDAS, ONT. Molasses Meal, Dairy Meal, Substitute Calf Meal, Poultry Meals.



had not received. As she turfice to Scott, ready, he saw the shadow of fear again settle on her face. Because of the pitfully inadequate wraps she wore, Scott half buried the two in robes, and, feeling unaccount-ably schamed of his rich fur coat and the shadowe aread Dules for home.

driving gloves, sped Duke for home. Two or three times he started con-

rode through the bright winter after-noon in silence. The gold brown hair waved softly from under the unpre-

waved softly from under the unpre-tentious little hat, the wind had whip-ped a sunset pink into her pale oheeks, the red lips were softly, sweetly curved. What a child she looked! And to be standing alone, fighting the world for herself and her hadrow

Kindly Mrs. Burns welcomed the two as she would any strange guests, and at her friendly chat and gentle help with wraps the brown eyes open-ed wide. While Mrs. Burns set sup-per on the table and Scott carried the

per on the table and Scott carried the grips upstairs, the new servant rest-ed, amazed, in the low rocker before the grate, Baby Laura hugged to her breast. She took in, with apprecia-tive eyes the tasteful furnishings, but when Mrs. Burns asked her to come out to supper she stared. "Do you mean I am to eat with you?" she akked.

"Why, of course. Lay baby here

on the couch where we can watch her through the arch and when she wakes

up she can have some bread and warm milk. That will make her

grow." She smiled her motherly smile, and as the little girl widow turned to lay her baby down she

turned to lay her baby down she winked back the tears. "Well, how is it going, mother?" asked Scott next evening, coming in from the barns to find his mother recking baby Laura and patting her

"Spiendid, Scott so far. Carol knows how to work ; she kept her own house two years ; and she's so thankful to have the baby with her, it's pitiful to see. She seems astonish-ed that we expect her to be one of the family."

"Why shouldn't I be astonished?" asked a soft voice from the doorway.

asked a soft voice from the doorway. "I beg your pardon. I couldn't help hearing your last remark. I have done housework in the city two years," she continued gently, "and not one of my employers ever worked

in the kitchen with me, or visited with me, or asked me to come into the sitting-room with them after my work was done, as you did to-day

Not one of them ever sat at the table

with me or gave me any leisure ex-cept Thursday afternoons, or allowed

my baby in her house for an hour. Do you wonder that I can scarcely believe my luck?"

Carol shiwered. "The hotel was awful!" she said. "I went there for

the wages because baby's board must be paid. The girls were friendly, but

Carol

"Splendid, Scott so far.

versation in friendly fashion. answered pleasantly, but made no effort to continue the talk, and they

baby

asked

warm milk.

the family



DOUR manners will depend very much upon the quality of what you frequently think on, for the soul is tinged and colored with the complexion of thought .- Marcus Aurelius, ...

Solving the Problem By GLADYS HYATT SINCLAIR

self and happier every day in her ing eves a modernized and beautiful home, Aunt Desire took her departure. She only But what "helped for accommodation" anyway, ing his me

"helped for accommodation" anyway. Mrs. Butns bravely resumed all the work for the house, herself, Scott, and the four hired men. But even with all the conveniences that Scott had installed, his watchful eyes soon the little mother begin to droop again and lose her springy step and again and lose ner springy step and pretty color. He insisted upon help, though his mother protested, know-ing the conditions of household help in the country better than he did. After much persuasion on Scott's part and much searching, a girl was hired from a farm eight miles away.

She was capable and strong. She was also homesick and not brave enough to bear it quietly till it wore away. She was not used to a quiet house or to working alone, and Mrs. house or to working alone, and Mrs. Burns found her crying every time she left her ior an hour, till the kind-ly woman was ready to cry herself with mingled pity and vexation. Every Saturday afternoon Mina had to be taken home, rain or shine. She to be taken home, rain or shine. to be taken home, rain or shine. She was supposed to return with her beau on Sunday evenings, but the least excuse or no excuse at all was enough to delay her till Monday or Tuesday evening—though she would have been scandalised at not neceiv-ing her full week's warges. The effort necessary to keep her cheered up and was so great that, when, after a few weeks she sent word that she could not return and would Scott please bring her things, Mrs. Burns drew a sigh of relief. to endure her depressing atmosphere

Then Scott got a girl from an in-telligence office in the city. Belle Belle telligence office in the city. Belle was boldly pretty, up to the minute in slang and dress; and the nice fellow who hired her, intent upon his pro-blem of help, did not realize that he, not the position, was the attraction that lured her so far from soda foun-that lured her so far from soda foun-His utter tains and picture shows. His indifference to her coquetries diverted them to Sam Pyle, the only American among the hired men.

Belle was almost entirely ignorant Belle was almost entrety guotantee of housework and cared very little to learn. She was bent solely upon having a good time and complained peevishly of the loneliness in the country. Scott raised her wages, hoping to satisfy her, but it did not help much. She only planued for more ready-made clothes, soonning Mrs. Burns' offer to show her how to make them. The evenings when she was not off with Sam to every merrymaking far or near, she spent longing to go somewhere or chattering over the telephone with her friends in the city. Mrs. Burns became more over the telephone with her irreads monit in the city. Mrs. Burns became more "Wee-we must go for my baby, and more tormented with her, and I'm very sorry, but I could not bring Scott was at his wits' end. Finally her here. It isn't far. I'm sorry."

HEN Mrs. Burns had recover- the girl and the hired man went to ed her strength after her the city to a dance and did not refurn breakdown and was quite her- till the next day, and Scott, with blar-self and happier every day in her ing eves a 4 few words, discharged

But what to do next? While helping his mother what he could, Scott turned the matter over and over in his mind and evolved a new idea. "Mother," he said, "I believe if we could get a good woman with a child to take care of she might stay and be contented. Would you try that?" Yes, she would try, though she did not feel hopeful; and an advertisement was sent to the city papers. Next day they received an answer,



The Old Fashioned Dust Pan

and the third day Scott drove to one of the city hotels for Mrs. Harmon.

While waiting he imagined every-thing, from another Belle to a frowsy slattern of fifty. As he got to his feet when the door opened, astonish-ment showed in his blue eyes and his nice, sensitive mouth. Could this be the widow-why, this was just a girl, a little girl, a-pulling himself sharp-ly together-a scared girl. He had braced himself for haughtiness, fam-iliarity, ignorance, arrogance, coarse-ness, anything but this scrap of a woman who, for all her quiet dig-aity, could not keep fear from looking out of her brown eyes. She was brushed and pressed to the limit of neatness, but even a man could see that she was pitfully shabby. "Mr. Burns?" she asked, unsmil-ing. nice, sensitive mouth. Could this be

"Then-do you suppose you will be lonely here? At the hotel you had company_" ing. "Yes," " answered Scott, equally "Are you ready, Mrs. Harcompany-

grave. mon

December 11, 1913

the one I had to room with was dirty and-horrid. They called me Chick, and the men chaffed me so in the dining-room because I couldn't an-swer them back as the other girls could—oh, I couldn't stand it!" A soft flush cowered her face from brow to chin and Scott's own color rose. 1 but his eyes were very bright as he watched her.

Mrs. Burns arose and tenderly laid the sleeping baby in her mother's arms "You won't be troubled that way any more," she said. "Men in



-And the New

It is not necessary to explain the merits of dust pan number two. This little laboraaving device can be secured almost anywhere that tinware is sold for 15 or 20 oction. --Photo by an editor of Farm and Dairy.

4

the country don't annoy girls, unless the girls invite it And I hope you will stay with us and be happy." "Thank you," was Carol's gente answer. Then she took the baby up-stairs to bed and Scott remembered bate she hed not looked at him appendix that she had not looked at him once. She continued not to look at him or the other men, not to speak to them except when her work demanded it. With Mrs. Burns she was friendly and helpful, then affectionate, as she relaxed in the pleasant home atmos-phere. She sewed busily or read in her spare time and lost, after a while, the worried look she had brought to the farm.

One day when Mrs. Burns was visiting a neighbor, Scott came home from town and caught the girl mother in a perfect gale of frolic with the baby on the floor. He watched a few minutes, his heart in his oyes; but the instant Carol saw him she caught up the baby, tried to smooth her own ruffled hair, and all the gay delight died from her face. "You are late." she said. "Shall I get you some dinner ?"

Scott strode in and stood before her. "No," he answered. "I don't want any dinner, but there is some-thing I do want " her. thing I do want. "What-is it?"

"What—is if?" "I want to know what I have ever done to make you so afraid of me?" "I am—not afraid of you." "Yes you are. That shrinking,

"Yes you are. That shrinking afraid look comes into your eyes if speak to you and you avoid me al you can. What have I done, Carol? "Nothing. You know that. It is not you-it is all men." It is

(Continued next week)

. . .

There ought to be a rest room in every town where farmers' wives could go and be comfortable while waiting for their husbands to finish their husiness

December 11, 10

************ The Upwa

A Christmas

How the last words breathe all the joy an Christmas time!

"Now, when Jesu Bethlehem there car Jerusalem

"Lo, the star which east went before th and stood over where was

"When they saw t joiced with exceeding What a depth of r in the last few sente

dangers and fatigues ous journey were o tainty and anxiety of tainty and anxiety of est quest was at an e-this must be so, beca-ful shining star, their fort through so man had now ceased mov

There did not seen prise or dismay in th distinguished scholar star stopped, not ov a beautiful man hotel, but over just ble. There they four with the mother te over it, in that dark, alace; not at all like ern, cleanly, well-ligh



December 11, 1913

************************ The Upward Look

A Christmas Thought

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How the last words of the following breathe all the joy and gladness of the Christmas time!

"Now, when Jesus was born in Bethlehem there came wise men to Jerusalem . . .

"Lo, the star which they saw in the east went before them, till it came and stood over where the young child was

"When they saw the star they rejoiced with exceeding great joy.

What a depth of meaning there is in the last few sentence words! The in the last tew sentence words. The dangers and fatigues of the long peri-lous journey were over. The uncer-tainty and anxiety of their great earn-est quest was at an end. They knew est quest was at an end. They knew this must be so, because that wonder-ful shining star, their guide and com-fort through so many weary miles, had now ceased moving.

There did not seem to be any sur-prise or dismay in the minds of these distinguished scholarly men that the star stopped, not over a stately pal-ace, a beautiful mansion, or a large hotel, but over just an ordinary sta-ble. There they found the wee baby, with the mother tenderly watching over it, in that dark, dreary noisome place; not at all like one of our mod-ern, cleanly, well-lighted buildings.

But they faith was so great that til the Christmas feeling begins to they never doubted that this little one stir in the air. It is just as necessary to use one pected place, was one day to be king siderable tact when selecting Christmas precise very gives, not to friends, to whom they fet us in previous years. Our Christmas give something claborate they have gives not to friends, to whom they fet us in previous years. Our Christmas give something claborate they hous Christmas present ever given; given, we feel that we must buy an expen-not to dear ones to whom on account sive gift for a friend in return for of their love, it was a pleasure to something elaborate they have given give, not to friends, to whom they felt us in previous years. Our Christ-they must give something; not to mas gifts should express our good-those from whom they would expect will to each other, not obligation or another in return; but to this poor, dobt. Some one has said "Christmas little hable in a typeing hand show little baby in a foreign land, whom they would probably never see again. But as they knelt there worshipping in reverent awe, who can doubt but that it was of the sweetest, happiest, most precious moments of their lives.

Next week there will be told a true Christmas story of presents given, not Christmas story of presents given, not by wealthy men, in a far-away land, but by lively merry boys in our own home-land, given, too, for the sake of the loved Christ-child.--I.H.N.

...

Some Suggestions from

Just two weeks until Christmast I wonder how many readers of Farm and Dairy have everything prepared in the line of Christmas gifts. Not many, I'm afraid. Well, for myself, I don't believe in buying gifts a couple of months or six weeks before Christmas for u seems to me that

presents should never express money. They should express thought, person-ality and temperament." And really ty and temperament." And really is surprising what pretty things it

sheet of brown or grey cardboard and slice. Combine with an equal amount brightened with a dainty picture. One of cut celery and cover with mayon-can secure very pretty scenes on post-naise. "Aunt Fanny" Just two weeks until Christmast of Farm a magazine that can be used effect it into bits with a knife. Moisten and Dairy have everything prepared by in this manner. Better still, if with cold gravy, or use a little hot the line of Christmast fits. Not one has a kodak at their command, water. Dot a blith butter and lithe hot on't believe in huving gifts a more inde space of themselves will be well. Put in a baking dish about two on't believe in huving gifts a

Recipes

Crumb Cake.-One cup brown sugar, one and two-thirds cups flour, three tablespoons butter. Mix toge-ther like crumbs, take out one-half cup crumbs, and add the following to the remainder: One teaspoon cinnt-mon and clover we wake comparison.

it is surprising what pretty thing's the remainder: One teaspoon einna-can be made or purchased for a small mon and cloves, one cup buttermilk, amount, and when a personal touch is one teaspoon soda, one cup chopped added our firends cannot help ut ap-riains. Mix all together, sprinkle preciate them. One way to economice in making gifts is to make several alike to send from young beets. Cook in boiling to various friends. This year I am sailty water, taking care not bo bruise interested in making calendars, or pierce the beets with a fork, in Simple but very artistic are the cal- which case the pose color and sweet-endars that can be designed from a ness. Plunge in coid water, skin and sheet of brown or grey cardboard and slies. Combine with an equal amount

I don't believe in buying gifts a a group shap of themselves will be well. Fut in a baking diam about two couple of months or six weeks before which can be worked out with a kodak a layer of cold mashed potato. If the Christmas, for it seems to me that snap is by placing it in a stering potato will not spread easily cut in the pleasure of buying and making silver frame, quite small, which can thin slices, or mash and moisten with gifts cannot be fully apreciated un be secured for 26 cents.



FARM AND DAIRY

WINTER MODELS TO PLEASE THE HOME DRESSMAKER

Farm and Dairy patterns shown in these columns are espe-cially prepared for Farm and Dairy's Women Folk. They can be relied upon to be the latest models and include the most modern features of the paper pattern. When sending Farm and Dairy your order please be careful to state built or waits measure for adults, age for children and the number of pattern desired. Price of all patterns to Our Folks, 10e each. Address all orders to Pattern Drpt., Farm and Dairy, Prterboro, Ont.

THERE are still a couple of weeks corduroy or velvet. Cut in four sizes: in which we can finish up our 3, 4, 5 and 6 years. Gristmas sewing and put the finishing touches to the various gifts tention, if not more, than her little we have chosen for ur friends. Have

9766

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9429

9721

9755

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9765

9738

9756

our friends. Have you decided on an outfit for that new doll you have se-lected for your little daughter? We may be able to give you an idea in the models illustrated herewith. Even the little play mother may have her children dressed in the latest fashion. Do our designs appeal to you? One of these, No. 9766 of comprises a Balkan dress, a coat and a Billie Burke

bonnet. Would not such a fashionably gowned doll delight any doll's heart! No. 9765 shows a dainty set of lin-gerie. These styles gerie. are cut in sizes for dolls 14, 16, 18, 20, 22 and 24 in-ches in height. So

much for dolls. A simple but attractive gown suitable for general wear is illustrated herewith in cuts Nos. 9738 and Nos. 9738 and 9721. Brown serge with satin messa-line for trimming was used in this design, but almost any of the popular materials such as Bedford cord, velcorduroy, vet, corduroy, broadcloth, or pan-ama could be used ama could be used to good advantage. This design calls for two separate patterns; 10c for each. The waist each, each. The waist is cut in sizes from 34 to 44 bust measure and the skirt in sizes from 22 to waist 30 inches measure. With the winter

season comes the comfortable separ-ate coat, and as a rule we must hang away our suits for a few months. In design 9429 we HE and 9760 have a new popular model of "Mackinaw" style,

9736

December 11, 1913

tical school dress in

shown in 9755 Plaid gingham

blue and brown tones with brown facings in collar and cuffs would

make a serviceable and becoming

form a neat con trast. Cut in size

from 4 to 10 years

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This trouble

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necessary to go to the door this apron

can be easily re moved. Exceller fit is given to thi apron by the seam

in the front the extend from the

lower edge and b darts at sides. Th

cap and sleeve pro-

tectors are als very useful. Thre

sizes: small, me

dress appeals to a most every house keeper, and in 975 we have a pleasing model. It is very

simple and easy

make, two point that will make it

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style. Figured p cale in cadet

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sizes: 32, 34

38, 40 and 42 i

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********** **OUR FARME** Correspondence

December 11,

OUEB SHERBROOKE

LENNOXVILLE, Nov. still prevails, and far that the feeding seaso that the feeding seaso abortened. Prices for still rule high. Eggs (25c to 30c; pork, in car 16c to 20c; mutton. p 12c; potatees. 50c to 6 very scarce and high cattle are cheaper.-H ONTAR

LEEDS CO.

TOLEDO, Nor 23. W watcher, almost like who have not alread, is endownorms to alread or endownorms to alread or endownorms to all the second se

DUPFPERTS INNEYWODD, Dec. 1 is, finished. We are hild for doing requarks epring. Threshing is the grain turned out here and the second second ing. There will not be finished eatile to sell ing. There will not be finished eatile to sell our American Courses or American Courses or American Courses or American Courses in silo in good conditi of hay was well saved billored in from Thing made a very large pro-to the great truthe last there aby or action the made a very large pro-ter to the second or of eatthe this week all billo all of each or and the second or a second or of eattle this week all bills and yrear-old helfer three the second or at \$4. There should be intered to ice with a sector ner and the sector has a second or at the sector has a second or at \$4. There should be intered to ice with a sterior or any base as earce ner any base as earce ner as "Do you think attention and a "Do you think attention as "Do y

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LEUSZLER AND w (Continued from A wei, dirty day for the stables, and as the sar-tice on Queen Nater, w and the sar as the sar-tice on Queen Nater, w arraight in every way built of the same state of the same state of the same A three-year-old the A thr





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IANTLE LAMP CO., 724 Aladdin Bidg., Montreal & Winnepeg

ovenings and spar Write quick for ta and sample.

************************ **OUR FARMERS' CLUB** Correspondence Invited OUEBEC

SHERBROOKE CO., QUE.

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SHERBROOKE CO. QUE. LIKNONYLLEE, Nov. 30-Pail weather still prevails, and farmers are reloiding that the feeding season will be so mich find the feeding season will be so mich still rule high. Ergs. (fresh), 30s. butter, 50 to 30s; port, in carcase 15s; chickens, 5s to 30s; mutton, per quarter, 16a to 15s; potatose, 56a to 56s. Good heef is write are cheaper-H. M. ONTAFIO ONTAFIO ONTARIO

ONTAIN ONTAIN ONTAIN DEDIS CO. ONT. TOEDO. NOT 2. - We are having ideal watcher, almost like summer. Farmers who have not almost filled by a summer executionally fine weather much fodder is sent and the sound stock has not set to the summer. The set of set of the set of deer have been shot and ship of the set of the s

The sector conditions are very favor-able to the pairure hands which shift controls and the sector of the sector of the sector of the DUFFERING CO. ONT. INDEFWORD, Dec. 1-The fall ploving in the sector of the se

LEUSZLER AND BOLLERT'S HERDS

LUCSTLER AND BOLLERT'S HIRDS (Continued from last week) A set dirty day found Mr. Lemainer do-fine some requiring for which is done for the some requiring for which the fine, the lefter call by Kine Lorong transported. Queen Natz Is one of the second as 212 bits, and her will be spain and the second second second second second second transport of the second second second second second transport of the second second second second second second transport of the second second second second second second transport of the second second second second second second transport of the second second second second second second transport of the second second second second second transport second second second second second to the the transport second to the second second

tically every animal in the sale. They are the big kind of cows that most breed ore are looking for. The whole hord will average over 11,000 thes, of mails, and all matting cows but two have records of matting cows but two have records of the same start of the same same same right shape for show cannads not be tright shape for show cannads the same these drooping runps, sawy backs and miselance udders that you occasionally come across.

come across. The 35 head of their combination herd that was found in the stables of Clarence Bollert are also of the same big, growthy

more are also of the same Dig, growthy information of the second of 2107. She is a big strong framed cover, which high second of 2107. She is a big strong framed cover, which high second of the long distance workers. There is a three-year-old, link after Recedes Hengerreid, that has a record at the recedes Hengerreid, that has a record of the long distance workers. There is a three-year-old, link after a second work helfer, full of quality and the best of breeding, being a grand-daughter of Pretering Hanger of milk. She is a way, more always the second helfer, full of quality and the best of breeding, being a grand-daughter of Pretering Hanger of Paul Beets De Kol, who has 104 A.R.O. daughter, three above 30 he. Another show yow is Mayie Grove Minuie. She is writh a year's precoid of 124 Mas. She has writh a year's for the second of the second the second bar of the breeding of the breeding the second the second the second the second the second of the breeding the second the

AN OUTSIDER'S OPINION

AN OUTSIDER'S OFINION Mr. E. M. Haarings, Lacona N.Y., woll known as a Holstein authority, recently waited the hortds of Louzder and the both the state of the state of the dispersed at a greent sale on December 7th next, as advertised in Farm and Dairy. Mr. Hawings' offician of the cattle to be dispersed of is summed up in the following imposed of is summed up in the following

dispected of is summed up in the following words: "The best lot of resistered Holsteins ever direct in public satisfies in Canada de-minute dispersion sale to be held in Wood-took on December 37h next." Pretty good recommend from an out-ider, sint is 'l is should be an added inder, sint is 'l is should be an added mo-dacement to many to visit this sale and plot by a few good once.

SALE DATES CLAIMED.

The Southern Ontario Consignment Sale Co. will hold their third annal sale at Tillsonburg on the first Tuesday after the annual meeting of the Holstein Associa-tion

tion. Dr. W. R. Watson, West Flamboro, Ont. Dispersion sale, Dec. 16th, 1913. Holsteins. Leuezler & Bollert, Woodstock, Dec. 17th, 1913. Holsteins A. Stewart, Menie, Ont., Dec. 30th.

Gordon S. Gooderham, Bedford Park, May 26tth, 1914. Holsteins.





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If you have any money to spend on your home, le us tell you where to buy the things that count. We know what is in all the shops, and can make \$10. g. twice as far for you, as you can for yourself. Try us.

[Send us \$1.00 for each room you want to fix up and will send you ideas for color and samples of material with information as to where the stuffs can be bought and at what price.

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Lawrence Sugar PURE CANE SUGAR THE CHOICEST SUGAR No choicer or purer sugar SIFTER-CANIO can be produced than St. Lawrence Granulated White Pure Cane Sugar. Made from choice selected cane sugar, by the most modern and perfect machinery, it is now offered in three different sizes of grain-each one the choicest quality. St. Lawrence Sugar is packed in 100 lb., 25 lb. and 20 lb, sealed bags, and also in 5 lb. and 2 lb. cartons, and may be had at all first class dealers. Buy it by the bag. ST. LAWRENCE SUGAR REFINERIES LIMITED, MONTREAL, EGGS, BUTTER 23-10-1 LEARN TO BE A CHAUFFEUR AND ALL ABOUT GAS ENGINES We give thorough and practical instruction kinds of Gas and Gasoline Engines-Stationary and Portable-for Farm or use-for automobiles, Motor Boats. (Ct. 16 Shopwork Lessons and 8 Driving Lesson Write to-day for Illustrated Booklet and full particulars. ED CATIONAL DE Y.M.C.A. BROADVIEW BRANCH A \$2 Leather Sewing Machine for \$1 According to the dictionary, an Awl is a tool for making holes in leather and other heavy material. About two years ago an Awl was invented that not only made a hole, but carried a waxed thread through with it, and by a very ingeni-ous device made a solid lock-stitch, equal to the work done by the most expressive the work done by the most expensive harness makers' machine. Then another Awl was invented that would do what no machine would do. It sewed leather with a copper wire. Both of these awls were considered wonderful machines, and sold for \$1.25 each or \$2.00 for both, and had the largest sale of any tools in the world. We now offer you for \$1.00 these two will sew anything that a \$50.00 machine will sew, and wonderful little machines combined will sew, with either a waxed thread or a copper wire, which no other machine will do, no mat-ter how much it costs. in one. We will send the 2 in 1 Automatic

Awl, complete, with three extra, hollow Awi, complete, with three exits, honow grooved needles, including the patent needle for soling shoes, a large reel of waxed thread, and a reel of special process copper wire. We will send the whole outfit complete, by mail, to any address, for **One Dollar**. Send now. The price will go up soon

FISHER-FORD Mfg. Co. DEPT. A42 31 QUEEN STREET WEST, TORONTO, ONTARIO.

Agents Wanted.

1325 (18)



The Molland of North America One Tearling Buil-tuberculin tested-3 The Molland of North America of his nearest dama average 27 lies builter is the piace to buy Holsteins of quality. Seech in 7 days. Two grandoms of "KNO The Firld Annual Bale will be held in the OF THE PONTACS," one 12 mos. old, city of Woodstock on March Schlastein from a Solb, Spear-old, another 5 mos full its of breached in taken and the bale for Joseph Finance and the second scheme and the second scheme and second scheme and the second scheme and the second scheme and scheme second scheme and the second scheme and sch

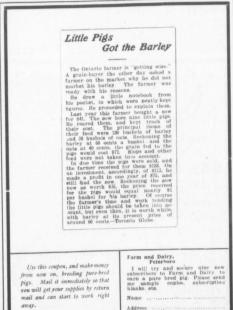
BROWN BROS. - LYN, ONT. R. J. KELLY. SECY., TILLSONBURG, ONT

MANOR FARM

Senior Herd Sire, Prince Hengerveld of the Pontiacs, a son of King of the Pontiacs and from a daughter of Pietertje Hengerveld Count De Kol. Junior Herd Sire, Kung Segis Pontiae Posch, a son of King Segis Pontiae Alcarta (the Sto, ooo bull), and from a 20.62 lb, 31 year old. We will be glad to mail to anyone extended podigrees of these Sires. We are offering a limited number of cows in calf to them for sale.

No Heifer Calves for sale at any price.

BEDFORD PARK, ONT. GORDON S. GOODERHAM -



FARM AND DAIRY

December 11, 1913

MARKET REVIEW AND FORECAST 8.-Mild Dressed spring chickens, 15c to 18c; here are 11c to 14c; gease 11c to 17c and 10c to 12 ale busi- turkeys, No. 1, 18c to 21c and 16c to 17c furriers No. 2 and 3, 15c to 18c and 13c to 15c relations

Toronto. Monday, Desember 8.-Will's weather still continues and there are many grunblers in the wholesale busi-ness. Particularly do grocers and furriers complain. As a resuit of the huld was complain. As a resuit of the huld was complain. As a resuit of the huld was can also a seperiencing untunal activity for this time of year. So, taken all in all, the mild weather is probably a is a disadvantare to the few. Bankers still any that money is tight and farmers who have tried to negotiate loans will agree with them. Call loans form mortgace and that the the so-mer mortgace and the theory of the has been the upuma, all along the time. The feature of the Farmer's Marken has been the upuma, all along the time. Cattle are firm at has week's prices, as are also other product. WHEAT

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MILL FEEDS

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81.95 to 82 SED5 Local merchanis are buying from farm ery at the following prices: A like No. 1, 85 to 85.95; red clover 86 to 87; timothy, No. 1, 85.20; No. 2, 85 Quotations are as follows: Apples Roles, No. 1, 85.05; No. 3, 85 Quotations and Rakawine, No. 1, 84; No. 2, 35.35; No. BUPS AN WOODS

81.25: No. 3, 81.20. Hides, curred, 156 to 315/c; part curred, 166 Hides, curred, 156 to 315/c; part curred, 166 No. 1, 83.35 to 84; horce hair, 456 to 41/c; ealf akins, cured, 17/se to 18c; deakins, 81 to 81.29; hand skins and absarlings, 66 to 81.59; hand skins and absarlings, 66 to 16/se to 17c; fine, 17% to 17%; washed wool; reflects, 18c to 19%; coarse, 25% to 35%; line, 89%; uo 20%; to 35%; line, 80%; uo 20%;

NOTICE TO 1 The business of association of Os that it has bee the books for t becember, instea as heretofore, in the audit and on annual meeting. Volume XVII. close on the san year, so all bree pedigrees records see that their are sent to the \$

are sent to the of December ----W

BRANTFORD DIS

December :

A well-attended of directors of the stein Breeders' of ford on Novemb ford on Novemb of completing of plans for the fut ers, large and covered by this for an organiza great usefulness of the larger b



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The constitution printed at once well as lists of regarding stock Brantford distri-cation to the s-St. George, Ont-OFFICIAL RI FRIESIAN (TO

1. Rauwerd C. 12462, 6y. 7m. 5d fat, 28.13 lbs. 80 G. A. Brethen. 2. Brookland's 6y. 5m. 11d.; 46 25.29 lbs. butter Out Ont. 3 Calamity I 8d.: 417.6 lbs. m

ad.: 417.6 lbs. m butter. Fourteen-day lbs. milk. 33.64 Lakeview Farm 4. Lady Lorn 1hs. milk. 15.91 Harry Stuart 5. Jess of Su 422.2 lbs. milk. ter. Robert O. 6. Oceola De 10m. 154. 524.6 lbs. butter. T ines. Ont.

ines, Ont. Senior

Senior 1. Vrouka O 523 Ibs. milk. 10 ter. Departmet ton, Alta. Senior 1. Kolinda Pi Ibs. milk. 10.17 Munro & Lawi Junior 1. Pontiao A

Yes 2 and 3. Me to 10k to 15k to 1

to 15/50; twime, 15/50 to 15/50 **LIVE STOCK**. Demand for live stock is active and prices have been firmly maintained at the high levels reached last week. The the Easter trade, and it is anticipated that factors are also as a stock of the stock of the Easter trade, and it is anticipated that dealers will have an opportunity is stock up on this class of pools at the time of the Fac Stock Show at the Units rather inferrior. A feature of the trading has been the large abitments of came-catle to Charge. The activities of the factors werease as follows: Fruc-Oundations averages as follows: Fruc-Stock and the store and the store of the trading the factors average as follows: Fruc-Store and the store of the store of the store of the factors average as follows: Fruc-tion of the store average as follows: Fruc-store of the store average as follows: Fruc-store of the store of Charte also offer at a large weak a pirote large large

MONTREAL HOG MARKET MONTREAL HOG MARKET ⁴ Montreal, Sturday, Des 6-A feature of the trade this week was the stream of the trade this week was the stream to the continued small offerings and the keen competition for the same cose upunity prices advanced Sto a cett as to \$550 and straight lote at \$9 to \$551 cett, weighed off cars. For dream node, but the feilure sn former, with an improved demand, and more active trade was done, with as of abation (reshchild) at \$51 to \$1551

frmer, with an improved domand, and a of a haritori reshichted at G1 to 5112 MONTREAL BUTTER AND CHEIST AN Solve in the set of t

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NOTICE TO HOLSTEIN BREEDERS The buildness of the Holstein-Friedman that it more from the state of the state

the audii and other preparations for the avoid meeting. of the Rerd Book will close on the same date as the financial year, so all breeders who desire to have pedigrees recorded in that volume should see that their applications for registry are sent to the Scienciary before the end of December-W. A. Olemons, Secretary.

BRANTFORD DISTRICT HOLSTEIN CLUB NOTES

A wellattended meeting of the bard of directors of the Barantord District Hol-ford on November 29th for the purpose of completing organisation and laying plans for the future. With over 100 breach of an Organisation that will prove of or an organisation that will prove of great usefulness to its members. Some M of the larger breadon are already en-

Lakeview Countess Chase, 16731, 2y. 2d.; 2046 [bs. milk. 807] [bs. fat. 10.09 butter. Lakeview Farm, Bronte. Junior Two-Year-Old Class Bonnie Wayne Hesseltje, 25130, 2y. 4m. 314.1 [bs. milk, 10.89] [bs. fat, 13.50] [bs. tat.]

butter, Thirty-day record: 29.4 m. 8d.; 1396.5 lbs, milk, 40.19 lbs, fat, 50.24 lbs, butter, F. Hamilton, St. Catharines, 2. Calamity Korndvke Augrie, 2001, 29. 5m. 294.; 232.1 lbs, milk, 855 lbs, fat, 11.07 lbs, butter,

liss butter. Fourthenday record: 2y 5m. 234. 479 the milk, 1744 ibs fat 21.81 ibs butter. F. Hamilton, SK. Gatharines. During the mouth of November 31 official entry in the Record of Werl. In the mature class Rauwerd Count De Kol Ledy Pulline leade with 23.31 bis butter, while Yourka Queen is first in the source. To the Yourka Queen is first in the source. To the States of the States of the States of the States of the Yourka Queen is first in the source. To the Yourka Queen is first in the source. To the Yourka Queen is first in the source. To the Yourka Queen is first in the source.

Black' and Whites are Now Very Much At Home in British Columbia

Several of the finest Holstein herds in Ganada are found in British Columbia. The Holsteins seen in the illustration are representatives of the government herd on the Agnasis Experimental Farm.

the Agaasis Experimental rolled, and with the enthusism displayed other cl at the prestrys as a criterion. It is ev-touched and trebled. Some of the officers of the club favored making arrangements for an auclion ac-control of the club favored making arrangements for an auclion ac-control of the club favored making arrangements for an auclion ac-control of the club favored making arrangements for an auclion ac-leas an is at present, and here high the will not be up to the highest standard. As an intrance of this split it is may be arrow that all animals contributed to the make of the split it is may be readed that the secretary mupiled with in-tromation regarding the stock they have the theorem of the split and the readed the secretary mupiled with in-tion and the secretary mupiled with in-tion the secretary mupiled with in-tion and the secretary mupiled with in-tion the ac-arriod such as war scenthy supplied in Y. A. Sh arriod, such as war scenthy supplied in Y. A. Sh arriod, such as war scenthy supplied in Y. A. Sh arriod, such as war scenthy supplied in Y. A. Sh arriod, such as war scenthy supplied in Y. A. Sh arriod, such as war scenthy supplied in Y. A. Sh arriod, such as war scenthy supplied in Y. A. Sh arriod, such as war scenthy supplied in Y. A. Sh arriod, such as war scenthy supplied in Y. A. Sh arriod, such as war scenthy supplied in Y. A. Sh arriod, such as war scenthy supplied in Y. A. Sh arriod such as war scenthy supplied in Y. A. Sh arriod such as war scenthy supplied in Y. A. Sh arriod such as war scenthy supplied in Y. A. Sh arriod such as war scenthy supplied in Y. A. Sh arriod such as war scenthy supplied in Y. A. Sh arriod such as war scenthy supplied in Y. A. Sh arriod such as war scenthy supplied in Y. A. Sh arriod such as war scenthy supplied in Y. A. Sh arriod such as war scenthy supplied in Y. A. Sh arriod such as war scenthy supplied in Y. A. Sh arriod such as war scenthy supplied in Y. A. Sh arriod such as war scenthy supplied in Y. A. Sh arriod such as war scenthy supplie

FFICIAL RECORDS OF HOLSTEIN-FRIESIAN COWS FROM NOV. 1ST TO NOV. 30TH, 1913 OF

TO NOV. 30TH. 1913 1. Ranwerd Count De Kol Lady Pauline. 19462, 69; 7m. 6d.: 4992 lbs. milk. 2250 lbs. fat, 23.13 lbs. 80 per cent butter. Owner: G. A. Brethen, Norwood, Oat. 2. Brooklandis Kornellik, 2033 lbs. fas. 25.93 lbs. butter. A. C. Hardy. Brockville. Ont. Ont

Calamity De Kol Rose, 22247, 8v. 0m. 417.6 lbs. milk, 17.59 lbs. fat, 21.97 lbs. 88

contraction to the second s

ines, Ont. Senior Four-Year-Old Class 1. Vrouka Oneen. 12186. dy 9m. 18d.: 23 lbs. milk. 19 03 lbs. fat. 23.79 lbs but-ter. Department of Agriculture. Edmon-ton Alts.

ter. Department of Agriculture Department

W. A. CLEMONS, Secretary

SEMI-OFFICIAL RECORDS OF HOLSTEINS FROM NOV. 1ST TO NOV. 30TH, 1913

Four-Year-Old Class

rour-Year-Oid Class 1. Minnie Myers, 8172 4v. 254d.: 13,940 Ibs. milk, 442 lbs. fct. 555 lbs. butter. J. P. Porester, White Rose. Ont. 2. Jane Mechthilde Keves 11100, 4y. 188d.: 12,566 lbs. milk 440 lbs. fat. 550 lbs. butter, W. R. Shield, Mount Pleasant, Ont.

J. Kate Raymond. 10647. 4y. 9d.: 1 bs. milk, 357 lbs. fat, 446 lbs. butter. Eagleson, Menie.

Three-Year-Old Class

1. Lady Korndvke Blanche. 12 38d.: 9.515 lbs milk, 336 lbs. fat. butter. Jas. Eagleson. Menie. Tvo-Year-Old Class 12885 420 lbs

 Teo-Year-Old Class

 1. 'darive's Mercena Nancy, 1674 29, 1536 : 539 lbs. milk 339 lbs. fat. 411 lbs. butter. J. F. Walker, Aurora, Ont. 5. Alson, Yhoma, 1590 29, 754. 9, 931 lbs. Walker, Pins Oreve, Onter, Walker, Pins Oreve, Onter, Walker, Pins, 16, 651 19, 364, 19, 464 hs. milk, 341 lbs. butter. Jas. Eaglewon, Manie, 2008 hs. butter. Jas. Eaglewon, Manie, 457 lbs. fat. 39 lbs. butter. Jas. Eaglewon, Manie, 467 lbs. fat. 30 lbs. butter. Jas. 2670 lbs. milk, 677 lbs. fat. 30 lbs. butter. J. A. Stewart, Menie Ont.

 Wat. A. CLEMONS, Secretary, A. CLEMONS, Secretary, A. CLEMONS, Secretary, Stat. Sta

W. A. CLEMONS, Secretary,

AYRSHIRE BREEDERS FORM CLUB

AVRSHIFE BREEDERS FORM CLUB Panoless of the Ayrchire in the Brook-ville district of Oniario have been quick to follow the example set by the Holstein men and have formed an Ayrchire Breed-don, Que, accertary of the Chandian Ayr-thire Breeders' (Jib, was largely respons-lie for the organization. Officers were elevided as follow: Newer, Delas, Weither, Bornet, Stra-Tressurer, Arthur Hudsen, Lormi, Direc-tors: H. R. Bowert, Delas, W. H. Bradley, Landowne, G. W. Percival, Gim Bunci, H. Daimeny, J. R. Lgnett, Westport; J. Ham-lin, Athens.

(5) A BSORBINE

will remove them and leave no blemishes. Reduces any puff or swelling. Does not blister or remove the hair, and horse can be worked. \$2 a bottle delivered. Book 6 K free. blister of

ABSORBINE, JR., the antiseptic liniment for man-ind. For Bolls, Bruises, Old Sores, Sweilings, Varicose leins, Varicosities, Allays Pain, Price \$1 and \$2 a both while the set of the set F. YOUNG, P.D.F. 123Lymans Bldg., Montreal. Can.



Conc ot the best Dairy Farma in Oxford Co. The Williams Homestead on In-gereoli Gravel Road South 300 acres, with large stome house. Traine Domest and the for cover, New silo, watter by good well at buildings: soil excellent; moily roling gravel pit leness, wire watter, valuable gravel pit leness, wire and main and woodiand. Bring water, valuable gravel pit leness, wire and main and woodiand. Bring and the factory (Brownsrille), 37 miles achool, 57 mile: Cultoden Vil-lage, 1 mile Inspection invited. For terms apply 70 miles Incellenting, 600 miles achool, 100 miles achool, 500 mi JAMES F. WILLIAMS, INGERSOLL, ONT

Burnside Ayrshires Winners in the show ring and dairy tests. Animals of both soxes, Imported or Canadian bred, for sala

Long distance 'Phone in house. R. R. NESS · · HOWICK, QUE. **Pure-bred** Ayrshire

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Give best prices on fifty head Milking Shorthorns and fifty head Holsteins. Average age, six years. Tuberculine

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RIVERVIEW HERD 9 Young Bulla, from 9 to 12 months, eired by King Iaabella Walker, whose sister 3 nearest officially tested datas, a sister of his dam, and two sisters of his sire average for the eight 30,4 lbs. from R.O. M. and R.O. P. dams. P. J. SatLEV, LACHINE RAPIDS, QUE.

15,345 lbs. in 1 Year or a jr. 2-year-old, milked twice per day, be ia a daughter of Dutchland Colantha ir Abbekerk. A pair of his sons from and 23-1b, 4-year-old for sale. Both tra ahow bulls, old enough for service.

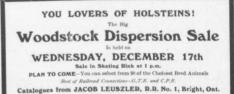
AIDLAW BROS. · · AYLMER. ONT.

FAIRVIEW FARMS HERD

is the small pieces on serif, that you donn secure a young bull that is a brother to be allow of the own holding the charaptonality of Chandas are well as the United states. Both of these records are hold by cover that were stred by some (DVTIAL KORDYERT, We are offer you a few of his some at reasonable KORDYERT, TALL, out of daughters of Pontias Korndyke with large official records. Write, or cours and see this Berd.

HEUVELTON, NEW YORK. E. H. DOLLAR,



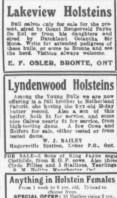


HOLSTEINS **Allison Stock Farm** THE HOME OF SIR LYONS SEGIS

SIR: LYONS SECIS The sir first dama average 30.60 lbs, butter in seven days. I, the first average 30 bb in seven days. We have seme beauties of binl; Galves, 4 to 13 mos. oid, from this mills and 1.00 lbs, butter in 366 days. Me. 1-Dam. May Esho, SINT lbs. Me. 1-Dam, May Esho, SINT lbs. And 1.00 lbs. butter in 366 days. Me. 1-Dam, May Esho, SINT lbs. 1.01 and 1.00 lbs. butter in 366 days. Me. 1-Dam, May Esho, SINT lbs. 1.02 and 1.02 lbs. butter in 366 days. Me. 1-Dam, Metherby Queen Jans. Canadian Record. 111% lbs. mills in one day. 102 lbs. mills. Mo. 3-Dam, Retherby Queen Jans. Me. 3-Dam, Retherby Queen Jans. Me. 3-Dam, Retherby Queen Jans. Me. 3-Com, Gueen Pisterie of the Pontiase. This helfer is sired by King of D. Ess. 410 lbs. butter in seven days. avorids record. We have also a few choles eness from helfer low of the seven days. Me have four from cover with seven. Avort Beday record 1964. King Menne days record 1964. King Menne days from Menne. We have a number to jotk from.

Come and see them. We have a number to pick from. nur

ALLISON STOCK FARM . ONT. CHESTERVILLE



bred, and Bulls from 7 to 10 Heifers rising 2 yrs., Wy herd bull is **Coast Heagereid De Kei**, No. 0028; dam, Sara Jewel Hengerveid 3rd, first ow in Canada to make over 30 lbs. butter in 7 days-Write me or come of the start of the start of the start Write me or come of the start of the star

wm. HIGGINSON - INKERMAN, ONT.

ed other classes there is nothing of special W. C. TULLY, ATHELSTAN, Que. HOLSTEINS **Cows Wanted**

