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NO. 49.

### A Venture in Live-Stock Prophecy My Estimate of the Outlook for the Breeder-By Wade Toole, Prof. of Animal Husbandry, O.A.C., Guelph

PROPHECY or prediction is generally more or less dangerous policy and yet when such is applied to the future of the live stock built near one of the live stock built of canadian Agriculture. We all laters in the future and canadian Agriculture. We all laters in the future and canadian Agriculture. We all laters in the future and canadian Agriculture. We all laters in the future and contains the stock built of the future of the stock of the stock built and the stock of the stock built of laters and the stock built of the stock of all time contains to fourist the live stock precisive agricultare is builted. We upon which incluses, then, is "the Outlook for the Breeder". Lot the future the stadent of the live stock after-tion the future of the live stock future.

into the future the student of the live stoon studtion is competited to conclude that oright things are in store for the breeder of good stock who under-stands and stays with his business. It never pays to stands and stays with his business. It never pays to be an in-and-outer in any legitimate business. Go in and stay in and from the begininng, lead, don't in and stay in and from the begining, lead, don't leg, is a safe motio for the average Canadian farmer of id-day. There is not a doubt but the Hre stock humness will have, in the future as it has had in the past, periods ad degression but these will always be followed as they always have been by similar priods of "been times." Every balances has its ups and downs and the Hre stock breeder is pubups and downs and the live stock breeder is sub-ject to changing conditions just as is the case of the max in many another occupation. On the whole, however, prospects were never so bright for the breeder of high-class stock and no breeder should be satisfied with anything but the best.

Why are we led to believe that the Canadian Why are we led to believe that the Canadian breder has such good bankness in store for him? Many are the reasons. When every as a chass hen tailing warle its after see what was is or has been tailing warle its after see what was the store many moths prevailed for table measing head, faily products of a high order. Breeding stock has first demand. Breeders, looking shead, faily to a high order. Breeding stock has been as that some day prices are bound to drop to a have catent, but hey know that war coul-to as have catent, but hey know that be looked to be large numeric must be looked to be about the degree that some for a stock to much a degree that for the modeling stock to much a degree that hey know that be looked to be about a degree that he to the end of last year the decrease in live stock (5.25, 2000 and 2.86, 2000 head about sitteen million sheep. New Safth of a moth an ere than one have your one-dhift of a star for each more than one-third of the store be were head the more than one-half the pro-game two million cattle and one and one-half the store that the more than one-third the store that the two million cattle and one and one-half the Why are we led to believe that the Calification breader has such good business in store for him? Many are the reasons. When everyone is or has and much more than one-third of her sheep. Bel-fum's two million datile and one and one-half mil-lien pigs are gone. Russia is practically starting, schalar million cattle and million pigs, together with next for million theep have been stolen ad akapitered. Russania is stripped bare. Even the inductor and an anglerad and while yo to ed shuthfored. Russania is stripped bare. Even Ge Unixel Kingdom has suffered, and while we in Ametea consuming dairy products and meat it the usual rate, Great Britain and Prance are get-ting less that the constant of the stripped set of the star when that the normal supply. This means pertaine number of the stripped set of the stripped to call upon the use, and undoubtedity for breeding steks of all chases to robuild her home supplies. Not only has the way affected the supplies of pulls not of all changes to repair ner nome suppress. Not only has the war affected the supplies of refix projects and meat in the warring nations, but neu-bla have suffered also. We read of bread riots in may towns of neutral countries. Desmark, the many cowns or neutral countries. Despinars, the prathaon hole producer, has only a small fraction of her usual holdings of breeding hogs. All neu-rais are practicing conservation to stave off starva-tes. And so it goes.

in Canada and the United States, under increased In Canada and the United States, under increased domands from Europe, it has been impossible to build up greater herds and focks. High prices have prevaled and high prices, lasting over a period of years, tend to increased slaughter. For instance, before the war the United States sent about 21, con one the var the United States sent about 21, con one the state of the state is purpose. Last April before the war the United States sent about 21, 000,000 lbs. of beef a year to Europe. Last April alone, she exported over 73,060,000 bs. Europe has alone, she exported over 73,000,000 Hbs. Europe has been going very short of butter, choese and milk products. I need not go further along this line. Readers will see on the face of it that demand for dairy products and meat must be great for years to come. Herds and flocks cannot be rebuilt in a to come. Herds and flocks cannot be rebuilt in a to come. Herds and flocks cannot be rebuilt in a day. Years are necessary, and while the Hre stock breeders of the world are putting forth every en-deavor to increase their breeding stock the big markets will ever be hungry for more meat and milk. markets will ever be hungry for more meat and milk. The ultimate end of all breeding effort is dairy products or the builder block. Demand for these products will always a block and for the de-mand for breeding stock. At present our numbers of breeding stock are not increasing appreciably. Can they do so and waset the demands from Europe of breeding stock are not increasing appreciations. Can they do so and meet the domands from Europe in the very near future? Not Hkely.

Some there are, vegetarians, perhaps, who pi Some there are, vegetarians, perhaps, who prate about the changed taskes of peepie, tastes which have been forced upon them by the war and war prices for this produces of the dairy and for meat. They say that poople have learned to eat substi-

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Christmas; A Prayer B E born anew dear Lord, be born Unto the hunger of the sons Ward the hunger of the sons Ward to be born a sacred be for Ward to be and tarking drink we choke for loy denied a barren fol we choke for loy denied a barren fol we choke for loy denied a barren fol et al. The sons of the sons tarking the sons of the sons tarking hands, infirm have lost to a precision barren bar. E born anew dear Lord, be born Fill it with strength despaired of by the weak, Fill it with brimming rest the weary seek, Out of the chalice let the lonely Out of the chance bet drink, Restrain the wild soul crouching on the brink Of shameful purposes, that he man Knows, knows, Watch Thou the desert where the desperate goes! Unto white hearts give purity anew; And to the false the power to be true; Wipe away all tears from the eyes that weep, And to all sorrowing hearts Thy com-fort speak. Give to the friendless shrinking and The happy throbbing of the Christ-

-Elizabeth Stuart Phelps. Chille his

tutes and will continue, and that the demand for tutes and will continue, and that the demand for milk, butter, cheese and meat will be injured. Non-sense! Did you ever see a man who had spen seven years in the frozen north where he had never een a strawberry consume this luscious fruit when seen a strawborry consume this luscious truit when first he got out to where it was procurable? I have, And I don't believe he enjoyed the berries any more than will those who have been filling up on

more than will those who have been filling up on substitute endoy a return to wweet, wholesome bui-tor, clean milk, nourishing chawed, wholesome bui-der roasts, decidous hans and bason, and sweet and tookhsome leg of lamb. The bason likely to be a great reaction, and once people feel likely to be have their fill of their favorite dihose they are more with the base of the substitute of the substitute. than likely to kiss most of the substitutes good-by and return to their old friends.

and returns to their old friends. It has not occurred to most of us that we have right hars in Canada a rapidly increasing urban population, as compared to rural. These city dwel-lers must be fed. Accepting to our own Govern-ment statistics there was an actual decrease of 34,355 in Onitario's rural population form 1872 to 1912, while the urban population in the same time 1912, while the urban population in the same time increased 1,064,417. In ten years just before the war the rural population of all Canada increased only 17.1 por cent, while the urban increased 62.2 per cont. The trend of population, even in this young country, is cityward and will continue to be great majority of the returned soldiers will want to farm. Not so. Large numbers of them will agree with the returned here, who, when presed to take to farm. Not so. Large numbers of them will agree with the returned hero, who, when pressed to take up new land, reglication with the total of the server such a penalty." True, those who desire to farm and have a taske for it should be encouraged, but the wast majority will more than likely choose the city with low low and comparison for the source of the second comparison. but the vast majority will more than inkely choose the city with its increased opportunity for social intercourse and please. After many months of beil the soldker will look for a few years for a place of confort and amusement, and no one can blame him. What is said of Canada is true of the United States. Other contained in their contribution has for him, what is said of Canada is true of the United States. City population in that country has for years been growing more rapidly than the producyears been growing more rapidly than the produc-tion of the comparatively smaller numbers on the hand has been able to keep pace with. The danger is that these pace with become even more marked. Home demands for choice defiry products and good meat are sure to be greater year after year.

year. The demand for mest and milk and the demand for breeding stock to replenish the hords and flocks of Burope should be an incentive to the breeder of pure-breed stock. He is the grees improver. To him the people key. By his efforts earlier maturity, more rapid gains, a higher class product, and more economical Brotuction of milk and its products are made nearbing. He is two has hear arearms plus economical production of milk and its products are made possible. He it is who has been responsible for the 20,000 h, dairy records, the twelve-dundred pound two-present steer, the two-hundred-pound siz-months bacon log, and the lamb you like so well. These could never have been without the pure-back true. The sould sense it dail of setting the twell. These could never have been without the pure-bred sire. The world owes a debt of gratitude to the men who breed pure-bred stock. Will the day ever come when pure-bred stock will

Will the day ever come when purchied stock will be so generally owned that there will be no extra profit in their ownership? No such tendency is noticeable. In a fam survey conduct in a good township in oid Ontario it was found that only nine per cent of the farmers were over conditions in a dairy district it was found that only milit records were using purchared singuightly over a size, and the day in the set of the dairy milit records were using purchared sizes facts seem to prove that a good deal of missionary bork is still necessary before all have seen the light. There is

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still room-tor farm papers and agricultural colleges to hammer away on the importance of better methods in breeding. Moreover, it is a fact that the more pure-breds there are, the greater the de-dated. When all live stock breeders breed purehreds, if that far-off day ever should arrive, there breds, if that far-off day ever should arrive, there will be just that many more buyers and dealers in pure-breds. Men who now deal in grades and scrubs pure-breds. Men who now deal in grades and scrubs will be in the market and everything will boom. As proof, take Great Britain, for instance, the home of pure-bred live stock. Perhaps no other country has a larger perfectage of its live stock bred pure than has Great Britain, and certainly nowhere does pure-bred live stock meet a keener demand, even Breeders of pure-breds are from home breeders. Breeders, invariably buyers of pure-breds. The market can invariably buyers of pure-breds. The market can never be permanently overstocked. Canada has a billion-dollar live stock industry.

Canada has a billion-dollar live stock industry. The bulk of our stock are grades or crubs. What would it be worth if the three three million horses, six million ca.tle, two million shees three million horses and twenty-eight million breeding or for milk and pure-breds? Figure 10 mereding or for milk and meat, any way fould to these figures. Canada needs sums must be always for the base figures. Canada needs more high quality live stock. Good breeding stock

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must be conserved. Scrubs and low-producers must be weeded out. Young stoc: must get greater care. And the breeder must stay in the live stock brai-

ness. Let no one mistake the meaning of this article. I have not said prices rould hold as high as they are now. Periods of other, but the man who breeds the right like of other, but the man who breeds the right like best job on earth for him who loves stays and, is sure to reeap satisfactory returns, in the long run. Our Canadian breeders will lead, not lanz. not lang

# Where Fitting is Half the Battle,

Our Method of Handling and Feeding Cows Under Official Testat Llenroc Farms - W. L. Houck, Welland Co., Ont.

T HE proper handling of cows during an R.O.M. or an A.R.O. test is a problem'on which no one breeder can a monopoly of know-ledge. The method of alm a monopoly of know-article are the relation that I will outline in this article are the relation of a somewhat careful study of the methods of more and there at them of them of the methods of successful testers all over America and the lessons of our own experience here at Lien-

or Farms. In order to insure a creditable record in official test

work we must first consider the cow, the machine itself. If one is going to make a fast or record trip with any sort of machine he does not choose the small frail kind, but rather a strong and capable looking machine The same must hold true in se lecting a cow for a creditable A.R.O. record. We must select A.R.O. record. We must select a cow that shows a strong con-stitution with a large and well developed digestive capacity. We like an animal of good size having a large body or frame presenting a good spring of rib, which indicates her ability to handle a large amount of feed and turn it into milk. The head and turn it into milk. The head of the cow should also be care-fully considered for one likes an ideal dairy head which is in-dicated by a large muzzle, a wide forehead and a bright clear eva

Perhaps one of the most im portant parts of the most im-considered is her udder. We like to see a well developed udder coupled with well develop udd The ed milk veins. The udd r should be well placed and have should be well placed and have uniform quarters. Briefly speak-ing, in selecting the animal to make a good record, it would be wise to select one that is fairly large, deep bodied, well uddered with a large muzzle and one place have a balance of the selection. one whose hair and skin are of

one whose hair and sain are of a fine silky texture. The re-verse may, however, hold true in some rare cases. I am reminded of a junior two-In some rare cases. I am reminded of a junior two-year-old that we tested last winter, she was very small, poor boiled but a well uddered individual. We thought that if she would at least qualify it would be a surprise to us, but at the conclusion of her test she had not only made a une record, but hed shown a wonderful constitution and a great ner test she had not only made a ine record, but had shown a wonderful constitution and a great ability to store away a large amount of food. How-ever, she is only one of every hundred that will have these qualities.

Fitting is Half the Battle.

Fitting is Haif the Battle. If we expect to test a cow we should give her the very best chance available to make a creditable record. It is utterly nacless to spend our money for an official tester, go to a lot of other expense, besides considering all the extra time it will take, unless we are going to have our cow would for the test. It has always been surprising to me to see and hear of the many poor conditioned cows that are tested and necessarily judged by the test a accord-ingly. If one wants to go to all this expense why are togeted and necessarily judged by the test accord-ingly If one wants to go to all this expense why isn't it just as sensible and logical to go through this test with a cow that is fit and ready? To have the arimal in proper condition for the test, is, in my mind, or mark the for a creditable record. Too much atreas cannot be hald upon this point of the super low areas for a test in Yoo much stress cannot be had upon this point of having the animal in proper shape for a test in order to get the best results. It is a good plan to begin at least three months before the cow freehens to start getting her in the proper shape for the test. Many will say that they have difficulty, especially with the heaviest milkers. In drying them off in time to start conditioning three months before time,

but if the proper care is taken beforehand and by but if the proper care is taken beforehand and by cutting the cow's ration down materially and milk-ing at irregular intervals, one will not find so much difficulty in drying them.

salt and charcoal added. The ground oats may be omitted with the older

There are many different fitting rations used, but

the one we like best contains:--200 lbs. tran, 200 lbs. hominy, 100 lbs, ground oats, 100 lbs, oil meal,

Careful and Skilful Testing All Registered and Good Producers, but the Herd is Unknown. C Would Double and Treble Their Value. -Photo by Sallows.

> animals, but, used in the rations fed to haffers, it aids materially in the growth of the heifer and also in the development of the foctus. The animals It also materially in the growth of the horfer and also in the development of the focus. The animals can fed as much of this ration as they will lick up clean at each feeding. It is not good practice to force a cow too much in this period, but one should try to keep her gaining in weight each week. A good plan to adopt, and many do it, is to weigh orn on they are gaining, and if so, how much achieve gaining. During the last match in the callons four times a day instead of three times any. We use as roughage alfalfa hay if obtamble and corn silage. During the last a to the more all meal. This has a tendency to cow's bowels, both in the conditioning and tents periods. The cows should conditioning and testing periods. be well groomed every day.

be well groomed every day. We never leave our test cow out for any exercise, for it is the stars and test cow out for any exercise, also freely and the cow has been exercised and the stars, and it the cow has been exercised and the stars and the star and the star and and the layers of soft fat that are easily milked off for our The brain starts that are fast of the star and the layers of soft fat that are saily milked off The grain ration that is fed during the pre a cow. The grain ration that is red during the pre-paration period is somewhat reduced during the last few weeks in order to bring the cow on test with a keen appette. It has always been my plan to take the entire grain ration right away from a cow two or three days before and freshess substituting a little bran and oil meal for the regular ration. We

must always keep in mind that it is the best to must always keep in mind that it is the best to bring a cow on full test with a keen appetite, and we hever can do this if we overfeed them in the preparation period When the Cow Calves.

It is good business to be on hand when the cow freshens for in many instances you will save a valuable call, besides relieving the cow of much straining and halor. After calving the cows are valuable calf, besides straining and labor. After calving the cost and immediately given a good sloppy bran mash to which has been bran mash to which has been

added a handful of salt. mash should be luke warm. is also good practice 10 some disinfectant to the mash. as carbolic acid. c acid. The cows are then be eted and left along for the at 12 hours, although one should be careful to watch the cow when she delivers her for th afterbirth, and it should be mediately removed so that the animal has no chance to eat it. In 24 hours after the cow calved we begin to feed some bran and roots, and for the next three days she gets a due allowance of these. On the fourth day, if the cow appears in normal condition, we start feeding the test ration making a gradual change from the bran to the test ration so that on the seventh day the cow will come on her day the cow with come on use of the full test ration and be ready for testing. One should be very careful not to overfeed an animal at this-time, but to just gradually increase her ration gradually increase her ration and not do it by quick jumps and and not do it by quice juilips and spurts. The roots are also gradually increased, and, if ob-tainable, beet pulp is used in connection with the roots and grain allowance. The roughage should consist of silage and hay, alfalfa hay being preferred.

There are probably hundreds

There are probably hundred used and each one believes hi cossider the cover as a law in herself, and it inso cossider the cover as a law in herself, and it inso there we haptable and reliabed by her. We always the we haptable and reliabed by her. We always the the cover and the there are an one of the obtained if you do not freed too high a concentrated ration, but to rely on the roughage to make it up by to keep the nutritive ratio of our rations some ration, but to rely on the roughage to make it up by to keep the nutritive ratio of our results seemed to be ration, but to rely on the roughage to make it up to the cover before they freshen, thereby reprint on soft fat on her body, so that where results may be to the cover before the rations with a not too roncentrated mixture, any. This cannot, of course be obtained up to the main is in the proge shape for itestimate of having your cattle in her progentable record. a creditable record. When to Force for Record.

When to Force for Record. It inkes an expectenced hand to know just the a cow is ready to be forced for her record. One must carefully study the likes and dislikes of ear animal to be forced along in her feed, you have ration that she likes the best, ready for her at you yourself are on the joh to ase that yand not evercroweding her in her feed. It is along and plan to follow that, if the cow is up and early for her feed at feeding time and then likes in (Continued on page 37.)



Aurora Ma

iel Holstein hion last August s and 18

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eparable. To simply to stat cause and effe or a ten poun thing else of does not occur The so-called

tions. The de peculiar<sup>1</sup>ties of ability to perfo depend, and c cumulative res interdependenc of them are en and because of there are many ing calculations set or combina ily condemn type in dairy c milk indications milk indications of strength, we ing. It is but a the consideration there will be confusion in cal

The cow's mi a big producer consumer of for out of anything re, if we ity in a cow we ance. It is an capacity of a co other features th above all, there in other words, most vital indica the size of the m depth and size

after digestion it account. A certai for body mainten quirement for a two purposes-it or it will pass on has most to do in direction is the te here is something production. It is nervous temperan and for this reaso erament of f position Her di

depth and size a may be taken as tion. It alone, h Dairy Temp An abundance a

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en the cow 11 save a w of much cows are good slopn: h has be galt. The e warm. to add the mash he cows are left alone rs, although delivers her nould be in so that the no to eat it the cow feed some for the next a due allow-the fourth pears in norstart feeding an to the test the seventh come on her nd be ready hould be very rfeed an ani but to just her ratio ick jumps and ots are also d, and, if obp is used in he roots and The roughage diage and hay.

ably hundreds test rations e believes his st at all times , and it is to st ration that We always rations some eemed to be a concentrated to make it up. socults may be atrated rations thereby laving the test period to produce a e fat content in the proper t be said upon cattle in the attle in the make at least

preferred

rd. mow just when r record. One lislikes of each arrives for the y for her and that you are dy e that you are It is almost a is up and eager then licks the

### FARM AND DAIRY Dairy Type and Milk Production

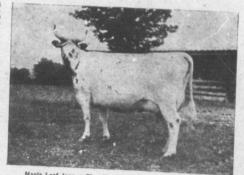
All Great Producers Have Certain Characteristics in Common-Would a Study of These Modify Judging Standard? PROF. H. BARTON, Macdonald College, Quebec.

T<sup>VPE</sup> in dairy cattle and milk pro-duction are related. Form and function in the dairy cow are in-separable. To make these statements is simply to state the relationship between caus and effect. In other words, a fity poul milk cow with a ten pour'd udder, or a ten pound rib, or a ten pound any-hing else of vital importance in form, dea not occur.

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thing else of vital importance in form, does not occur. The so-called dairy type is supposed to be the sum total of desirable indica-tions. The desirable indications are the peculiarities of form upon which the indicative sector of the source of the depend, and conversely they are the indicative result of this work. Their indicative cells wery complex, some of because of these two considerations there are many disappointment in mak-

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Maple Leaf Jean, a Fine Combination of Type and Production. maple Lear Jean, a rune combination of Type and Production. This spiendid Ayrahire org. the show the AMIIIan. Huntington Co., Cue, proves by her performances, usuad by Gilbert McMillan. Huntington Co., Cue, and produces ability. In Record of Print relationship between good dairy type and as a fumior four-year-oid. In the show rune champion first as a three-year-oid at the National Dairy Show and was grand champion female at Ormstown last spring.

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 by a system. Its controls in turn, depends upon her brain controls the nervous system and the throughout. What is mean system and the system an

and compactness. Efficient and Capacious Udder Indispensable. Assuming that the milk making ingredients have reached the circulation after digastion, that they are

wing turned over for milk, this being the active function, the process of actual milk mating will be accomplished in the milk mating muchinery, the adder. Large work will acchinery. Capacity in the edder, therefore, ry. Capacity in the udder, therefore, ry. Capacity in the udder, therefore, and the state of the udder, therefore, and the state of the autor, therefore, and the state of the autor, therefore, and the state of the udder of the required dimensions. It must contain a working interior. Milk udder of the required dimensions. It must contain a working interior. Milk use of the required dimensions. It must contain a working interior. Milk use of the required dimensions. It must contain a working interior. Milk use of the required dimensions. It must contain a working interior. Milk use of the required dimensions. It must contain a working interior. Milk use of the required dimensions is a contrast and the state of the udder is a con-pering of the adder the state of the udder of the adder the state of the provident of the udder the state of the provident of the udder the state of the use of the udder the state of the use of the udder which must not be use the udder which must contain transtate of the udder the state of the use of the udder which must not be use of the udder the udder the udder the udder the udder the use of the udder which must not be use of the udder which must not be use of the udder which must not be use of the udder the udder the udder the udder the udder the use of the udder which must not be use of the udder the udder the udder the udder the use of the udder the udder the udder the udder the use of the udder the udder the udder the use o

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Aurora Mechthilde, a British Columbia Cow With a Record.

his model Holstein, owned by the Experimental Farm, Agassiz, B.C., affords further as most interior, contact of the experiments farm, Agassia, i.e., and a solution interior and the second se



Sunbeam of Edgeley: Where Would She Go in the Show Ring?

Sumbaan or Logency: where require one do in the show wing r sumbaan also proves the relationship having type and production. She has every secondal of good dairy type highly develop the has produced 18,744 breed or in and 926 has to builter fit, making her has produced 18,744 breed or in an 4926 has to builter fit, making her has produced 18,744 as a high class show in R.O.F. In minor points, however, she would be of a so high class show in R.O.F. In minor points, however, she would be to a so high class show in R.O.F. In minor points, however, she would be to be performance and reproduction? Joint standards her modified with a view article adjoining.

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# The Tractor, the Truck and the Horse

Is the Development of Motor Power and Transport Endangering Horse Breeding?

CURSORY examination of the horse outlock is no: conducte to optimism. Motor power is every where looming up as a tremendously powerful competitor of the draft horse. It is only a few years since the automo-bile practically banished from our cor-rage classes. The motor truck and the the bile practically banished from our city itage classes of the roadster and car-itory seem now to be supplanting the/ tores of draft proportions. Even on the arm, the position of the horse is not as in these four years the number of farm tractors in Oniario has increased from dozen to 800. In the Western provinces the growth of tractor farming has been proportionally greater. In these in the area to yet common. On all of these farms where tractors are now used, there are probably fewer horses than were once maintimed.

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farms where tractors are now used, there one maintained. Such is the Asainst this we find that othe surface. But is one as it appears on the surface best informed horsemen and optimizing industry. Among these optimizing industry. Among the as it is the future of the horse optimizing industry. Among these optimizing industry. The accurace of having a selfab interest is an one of the selfab interest to do as, but men who are absolute upperjudiced who, after a full examination of all phases of the fail and the industry of a selfab interest is a state, but who, after a full examination of all phases of the fail atter class are many means of the federal and provincial department each side of the question. "Testimate that fully five times as many motor trucks as horses have come into the city of Toronto



Are Teams Such as This to Make Way for the Tractor? Field Power on the farm of K. M. Dalgleish, Carleton Co., Ont.

during the last six months," stated the manager of the Wilder Cartage Company, to an editor of Farm and Dairy a couple of weeks ago. "In our own basiness we have never used horses. Our hauls are principally long ones and in this city the motor distance work. I believe, however, that the large distance work. I believe, however, that the large distance work. I believe, however, that the large departmental stores will still retain the horse on account of the frequent stoppages they have on de-livery rigs. For general cartage purposes the motor truck and trailer are always used." Mr. Ward, who has probably the largest cartage business in the city of Toronto, with 20 trucks on the

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in two years."

Tractors and Horses. Even more ominous, perhaps, is the growth of tractor farming. As long as the idea was prevalent that tractors could be used only on farms that were perfectly level and free from stones or other obstruc-(Continued on page 18.)

The Dual Purpose Shorthorn in Canada By Geo. E. Day, Secretary, Dominion Shorthorn Breeders' Association

OR fear that some may not F OR fear that some may not have a clear conception of what constitutes a dual pur-pose animal, perhaps it would be well at the start to give a definition well alt the start to give a demnition of what is generally understood by final purpose cow is one which will advect the sense of the sense of the reary, will produce steers which extra out produce steers which into the world, and which, where meet the demand of the beat mar-ices of the world, and which, where may be profitably fatteneed for the butcher. A cow which come up properly be called a dual mar-rose and sevent breeds which claim to descene this title. but the most prominent one in Am-erice and also in Great Britain is the Shorthorn. of what is generally understood by

the Shorthorn. One of the difficulties in breeding

the Shorthorn. The difference of the difference of the second s

Shorthorns would do well to keep this fact prom-inently before their minds. There are those who scoff at the idea of attempt-ing to hold both beef and milk within the same breed, but every breeder of Shorthorn cattle will tell you that as a rule his best milking cows are his best breeding cows. The ability to produce a liberal amount of milk without losing reft as beef pro-ducers has been characteristic of the Shorthorn from its earliest history, and this peculiarity has been



A Typical Dual Purpose Shorthorn. This Cow Has a Record of 8,006 Pounds Milk.

valued highly by the most pruminent improvers of the breed. Thus, Bates, one of the early improvers of Shorthorns, milked all his cows by hand, and any cow which was not a satisfactory milker was promptly discarded no matter how high her merit as a beef animal. Any person who knows anything about Shorthorns knows the high position held by Thus, Bates as a Shorthorn breeder, and the extra-ordinary popularity attained by his cattle in the early days.

early days. Amos Cruickshank, the man who brought Scotch Shorhorns to the front, also had a very high appre-shorhorns do miking cows, and discarded many clatton of good miking cows, and discarded many cherwise disappointing as milkers. Who Buthle, the those farmous of all Scotch Shorthorn breeders today, a supplementation who paules milk production in his especial many who paules milk production in his most ramous of all Scotch Shortharn preeders to-day; is another man who values milk production in his corse. The writer remembers the mothers of many of Mr. Duthie's highest priced bull calves and, almost without exception, they were great,

<text><text><text><text><text>

1bs. fat. 26 Four-year-old Records average 8,015 lbs. milk: 322 lbs. fat.

44 Three-year-old Records average 6,600 lbs. milk: 265 lbs. fat.

38 Two-year-old Records average 6,250 lbs. milk

38 Two-year-fold lettering the second for a Shorthom is The highest Canadian record for a Shorthom is 1722 like milk, and 636 like, fat. This looks is almost too high a record for a strictly dual pro-cor, and yet many very high producers have great good account of themselves from a beef standpoor The general average shown in the summary is (Continued on page 23.)

Decomb

1326

### Observat

THE agr countr; France so exciting ciently disti the warring and peculiar and fancies ago was on Dairy may stories of th

study the ag or scientific customs of th T happened

The agricu existent. By the area th allied and F year has bee such land has or another. in a few sec for preparing swaying of o trampled und trampled und ise of crops with what n vaged, howev worth while. harvesting af

Let the re their imagina their imagina fields at har holes, rifie pi telephone wir barbed wire, t and most of be able to re-ties, even at i of outling one of cutting gra have been the tles in Fran of these cons from crops c to fields alm damage. Nea lished trench land has bee shell and tren ed with bart ments that it attempt farmi

> Destruction To agricultu

Land, the "u all" is the " tion of orcha that the Hun ly every tree ready by shel felled or irrer by axe or sa yards have b the ground. daily papers often and well devastation th 1918

ms Farm year he head to the use anager O truck had se excep res, which yone who t or infre-oticed the uck traffic epresenta discussed rucks and ith manag ions in the ivery had where the ature, and more fre-veries from you this d a jo d a jolly hearing, as is Ford dem all ready feeding to don't have fooding to have made

growth as prevalent is that were

y were great, gged cows, lers and look-Mr. Duthle vs had to be me time after count of their almost every a high value will produce a nilk, knowing d for him the

a of encouragin Shorthorns ite shape until rd of Perform Shorthorn cal ate was issued 914, and since ates have been ate of writing. number, but we t most Shortespecially the Shorthorns, do but allow them es, this method from the rapidly. Natur records from a is not at all a of the results: 1bs. milk; 329

8,015 lbs. milk; 6,600 Ibs. milk:

6.250 lbs. milk; Shorthorn B

This looks like tly dual purpose ers have gives a beef standpoin e summary int December 5, 1918,

FARM AND DAIRY



The Dairy Herds of America May be Called Upon to Supply Breeding Stock to Devastated Europe.

# Agriculture In and Near No Man's Land

Observations in France by a Former Associate-Editor of Farm and Dairy - By Sergeant A. B. Cutting, B.S.A.

THE agriculture of No Man's Land and of the country immediately behind the lines in France, is interesting and unusual. While not France, is interesting and unusual. While not so exciting as the war, farming over here is sufficiently distinctive to be quite exciting at times in the warfing areas, to say 'nothing of its qualitness and peculiarities where peace reigns. . . . few facts and fancies regarding it from one who a few years. ago was one of the assistant editors of Farm and Dairy may furnish a diversion from reports and

Dairy may furnisk a diversion from reports and sories of the war. I have had no time, while "soldering" here, to study the agriculture of the country in a commercial or scientific way. Conditions in the war zone and customs of the people in more peaceful districts, that i happened to observe at odd times and places, are all that I can tell at this time.

I happened to observe at odd times and places, are all that I can tell at this time. The agriculture of Ne. Man's Land is mostly pon-existent. By "No Man's Land." I redge not only to the area that at any moment less between the alled and Hun lines, but to all 'France that this year has been the scene of battle. Every foot of such and has been a No Man's Land at one time or another. Parming was carried on there this year in a few sections that remained quiet long enough for preparing the soil and sowing the seed, but the swaying of densives from March to Schreimber ao trans the scene of battle. Every foot of such a the scene of the solution of the solution in the sections that remained quiet long enough for preparing the soil and sowing the scele, but the swaying of densives from March to Schreimber ao transformer and the harvest with holes the prom-value that the harvest work holes the prom-value, however, to make the work of harvesting worth wills. Everyone knows which olde did the harvesting after the middle of July. Let the readers of, Farm and Dair, ' picture in

harvesting after the middle of July. Let the readers of Farm and Dair picture in their imaginations going to one of their own grain, fields at harvest time and finding it full of shell holes, rifle plis and rever "dug in" by soldiers, of telephone wires on the ground and, perhaps, some harbed wire, to any nothing of trenches, even graves, and most of the grain trampled flat, and they may be able to realize the difficul-

ties, even at times usel ties, even at times uselessness, of cutting grain in fields that have been the scene of hat-ties in France. All degrees of these conditions prevailed, from crops completely ruined to fields almost free from amage. Near the old estab-lished tranch excitons the lished trench systems, the land has been so cut up by and has been so cut up by shell and trench and so cover-ed with barb wire entangle-ments that it is impossible to attempt farming in any way, even if ether conditions per-

Destruction of Orchards.

To agriculture in No Man's Land, the "unkindest cut of all" is the wanton destruc-tion of orchards everywhere that the Hup has been been that the Hun has been. Neara gigantic blight over the once fair fields of northern France that I shall not further attempt to describe

It. In definite and delightful contrast to the desola-tion of No Man's Land He the fields of France, away behind the lines. Farming fractised peacefully and intensively. Every effort protocol towards as maximum production. And the wonds to first all is, to me, how they manage to till such large the first bar of the second maximum production. And the wonder of it and is, to me, how they manage to till such large areas and produce the floe-qualitied, heavy crops that they do by the practice of almost primitive methods--practices and implements like ploces in Can-ada-even on their poorest land, clayey, shaley, some of it half chalk. Eventian is a strain the canada, is not practised farming, as known in Canada, is not practised. Rural Community Life. Farming sections are not hald out with a home on every farm, as in America. The farmers, mostly peasants, live in community villages, many of them a considerable distance. With clurch, school and stores nearby, social could the almost time and labor are lost going to and from the land.

stores nearby, social conditions are used, but much time and labor are lost going to and from the land. While most of the homes are comfortable, coxy and clean inside, sanitation outside usually is bad. and clean mside, sanitation outside usually is bad. The buildings often are grouped with ccurtyard effect around manure piles, the front doors of the houses facing inwards, and drainage from and near the wells for generations has been on the surface, the wells for generations has been on the surface, umboxed and untiled, making that part of the yards wet and accumulate to any extent, however, being hauled to accumulate to any extent, however, being hauled to the fields as rapidly as other work will permit, but the manure pile thereby is not robbed much of its hyglenic menace or its aroma. The same might be said of conditions on many farms in

Canada. The Quaint Villages of France. Near streams and almost hidden by trees, these villages nestle quaintly at short intervals all over

the country. The red tile roofs and white plaster walls of the houses; the tile roofs and mad walls of the barns, with framework, seen to the laths, hewn by hand; the thatched roofs and sails of many smaller buildings; the old -mill with indica; the and dam; the isolated chateau on the hibids; the

and distribution of the blackbod roots and walls of many and of the sets the gast, the old-anill with its waterwheed and distribution of the gast of the gast were the gast of the pople themselves, the gast, even the gast of the pople themselves, the gast are of qualitates and lingers. And not less picture gast of the gast of the set of the

Where Poppies Grow.

Where Poppies Grow. The third thing that particularly strikes the eye in farming districts over here is poppies, poppies everywhere. In the grain fields, in alfalfa, clover and mixed grasses, basids the highways and in the byways, on hillside and in rai-byways, on hillside and in rai-

ley, in late spring and all summer, the scarlet of the poppy is seen mingling with the green and the gold of the crops. And where daisies and cornflowers abound, poppies cornflowers abound, popples run riot with them in patriotic . prisms of red, white and blue. prisms of red, white and brue. How the popples got their start, I do not know, unless it be that they were once grown for seed or oplum; but here they are, re-seeding and re-growing war, after year re-growing year after re-growing year after year, like a great spreading red rash on the farms of France. Up-to-date implements are seldom seen on formation

Up-to-date implements are seldom seen on farms over here. Old-fashlour plove, wooden-to-thed harrow plove, in heavy timbered frames, the side pleces of which are cury-ed and act as sled runners, when they touch the ground, no pole being used; scythes in eavy to hing used; scythes the side on a stone with a that are sharpened by beating the edge on a stone with a hammer, sickles, cradles and fiails are an ng the kinds of (Continued on page 16.)





The states

W 11.1, you suggest a tation for a mixed herd of Jersey and Holstein amount of hay, nothing like enough to carry to thay, nothing like enough to carry to thay, nothing like enough to bots of barley straw and about 180 "QUALITY LINES" THE OF FARM MACHINERY Machines Made to Stand Up and Do Their Work Well JOHN DEERE LOW-DOWN MANURE SPREADER JOHN DEERE-DAIN SUSTEM SIDE DELIVERY RAKE JOHN DEERE VAN BRUNT DRILLS JOHN DEERE-DAIN HAY LOADER JOHN DEERE VAN BRUNT FERTILIZER DRILLS "Makes All the Land Produce" JOHN DEERE ONE HORSE STEEL CULTIVATORS "Made to Do Their Work Well and Are Quickly Adjusted" JOHN DEERE VAN BRUNT LIME AND FERTILIZER SOWERS JOHN DEERE SYRACUSE SPRING TOOTH HARROWS "Can Be Used Profitably in All Kinds of Ground " JOHN DEERE CORN PLANTERS HOOVER POTATO DIGGERS Get All the Potatoes and Save Labor JOHN DEERE CULTIVATORS "Assure Clean and Therough Cultivations JOHN DEERE BEET TOOLS "They Save Labor and Make Production Pr Get All the Potatoes and Control " HOOVER POTATO PLANTERS " The Vi HOOVER POTATO CUTTERS Ask Your Nearest John Deers Dealer for Literature on the Machine You are Interested in or Write Dire "Cuts Large JOHN DEERE MANUFACTURING CO., Limited J 351 Hill S The WELLAND ISPANDORUSING STREET, STRE anter a decompany of another an inter-

Sweet Clover Silage

Utilizing Barley Straw

### December 5, 1918.

suchase of manageme per cov. On hand, we have a fair supply of hear, whoris and barry chop. I would be to 40 he of the such as the super state of the super-near dry straw cut.-E. B. F. Weiling-in Co. Out. Barloy straw for milch cows is of roughts in the super super state of the super-state super super super super super super-super super super super super super super super roughts to super supere

have the draw cut .- B. B. P. Walling-"They straw for milch cows is of bone what lower value that cat straw from other cereais. I would advise per day of hay and the balance of the straw. This might be fed as they roughage might be fed as they straw. This might be given attact the rotate at row have from the manger as bedding. To roughage, should be given from five to ot bran, should be given from the to be pounds of meal in addition to this these cows should here come as the dry cow would For some all together on her condition for and earlier if necessary, should for several months she before freshun given at least three pounds pri for several months she er. forr pounds of the above grain mixture. It dry for several months here re forr pounds to fak yor day.-E. S. A.

### Two Meals or Three for Pigs

I wor intracts or introduct to f 185 Source mouth ago I read an article of the mouth ago I read an article Oxford county advocating list into rotan at most and the second second reading hogs as to whether or not it is an economical plan, and profitable pounds of roots in sfore hogs weighting to at 130 blar. We have a good anyly of mangels.-P. P., Dundas Ca, Ont

or immediated' F. Jourdan Co., Ont. Experience in feeding a large num-ber of hogs for a number of years non-the Dominion Experimental Farms have the Weaned young pigs, there is no-real advantage in seeding the section of re-great advantage in seeding turne, that when for twice per day the hours are equalized. Although careful feeders may obtain somewill greater gains from feeding through careful feeders from feeding through starting have an early speaking, we the site algebt. Gen-erally speaking.

crally speaking, we strongly advocate the twice per day feeding. The number of pounds of roots which might be profilably feed depending largely upon the method of the so-probably consume of the sound probably consume ped mangels per day. The strength and the separately method and the separately of the separately large and pick, as an extra feed at ing and night, as an extra feed at noon, or with a dry meal mixture at each feed.-E. S. A.

Envy is the vinegar in the sweet milk of human kindness.

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out the flo and wron ate barn the barn shows ho You can b cause eve blue print

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December 5, 1918

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### To Every Man who is building or remodelling his barn

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| How many cows, horses, or young stock      | will you keep?                |
|  |                               |
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| (Manure Carriers                           | (Water Bowls)                 |
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FARM AND DAIRY



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The Show Ring and Ayrshire Advancement Does the Average Breeder Recognize His Debt to the Exhibitor ? Gilbert McMillan, Huntingdon, Que., (in The Ayrshire Quarterly).

E question very much whether any supporter of any of our makes as great sacrifices, or does as much good for his chosen breed as the man who persistently and

consistently and persistently ex-hibits a string of high class ani-mais on the Fair circuit, and we also question very much whethvery much wheth-er any one gets. less general credit from his fellow - breeders; too few of them recognizing that the effort extendthe effort extend ed along this line benefits the breed as a whole, even more than it does the exhibitor matter No matter what advertising

individual breed-ers may do, or Mr. G. McMillan, Huntingdon, Que.

Huntingdon, Que, what organized effort a breed association may put effort a breed association may put forth, or even what production moy ourd a breed may make, let years and see it it continues or make be impression of the show ring alone will make that breed how ring alone will make that breed popular; for as a matter of divorced from the functions for which the breed not be anomoreially de infury. Neither do I undercise accomplia-tions minute the great good accomplianinjury. Neither do I under rate for one minute the great good accomplish-ed by the "Advanced Registry." The records of such cows as "Garclaugh May Mischief." "Auchenbrain Brown Kate," and "Lily of Willowmoor" have Kate," and "Lily of Willowmoor" have Kate," and "Lily of Willowmoor," have done wonders in emphasizing the pos-sibilities of production within the breed, and the splendid average made by the 2.65 cows and heffers that have qualified in the Advance Registry of the hered demonstrated become have qualified in the Advance Registry of the brend demonstrated beyond question the core Advanced Registry as long as are based entirely on publication, irrespective of cost, we based expect to accomplish anything that cannot be equalied by at least some of our rivals.

### Where Ayrshires Triumph.

comes to a line However, mal Shows, the up at our more than one oc Ayrahires here than one of casing given by that none of their, it was have requalled; there-fore, it was unhesitatingly that the fore of the synthesitating the sec-day is the show ring, and as long as our show ring standards combine true Ayrahire type with indications of capacity and efficiency is production, it will continue to be so. That the breed does not occupy a stronger pool Ayrshires ha In sur, continue to be so. First the bird does not occurg a stronger posi-durance. First, the indifference to two what the show ring can accomplish for the breach, by some of our strong-est and largest breaders. For a going has had to be borne by three point has had to be borne by three point accomplished being largely midset by another class of exhibitor which went out with a berd whose as possible and dodge competition, arm oney; happily, this class is now almost a matter of history. breed does not occupy a stronger posihistory.

Second, the great lack of uniform-Becond. the great lack of uniform-ity is making the Ayrahiro awards. It is no unusual occurrence for the same animals is a class to be placed entirely differently three or four times in as many weeks, the standards be-

ing, set by the fact of whether the judge is a Guernsey, Jersey, or Hel-stein specialist.

I have followed the bigger American Lnave followent ine plager American shows pretty closely for the last thir-icen years, and I can almost count en the fingers of one hand the times I have sheen the placing made by an Ayrahire breeder. When you stop to blink that Avrahire breeders. Ayrahirs breader. When you atop to think that Ayrahirs breaders have de-veloped a type that other dairy breads are willing to try and imitate, it is a little hards to reason this out to a logical second clause will, i believe, so of the second clause well, i believe, so of the second clause will, holders, go long ways towards exercoming the first, and when for wolve crack Ar-sons we see to arbitate at our big Na-tional and State Exhibitions, then, and her proper house in the Dairy Cattle world, the piace in the Dairy Cattle world, it is up to no one but the they threaders, themaeires to see that it is accomplished.

Live Stock Information Bureau

HE Department of Agriculture of

The begarment of Arrichter of New Brunswick, has established a live stock information bureau The breeders of the various classes of pure-bred stock having animals for of pure-bred stock having animals for sale notify the ohief of the Live Stock Division. This information is class-fied and filed. This information is given to farmers who are looking for animals to purchase. The service is proving a great help to the breeders of pure-bred stock, as well as to those of pure-bred stock, as well as to those who desire to improve their farm animals

A statement of the live stock avail-A statement of the live stock avail-able in the province, a bissued once a month to all the agricultural societies and breaters of the province, and to other who write for information regundant. This monthly statement is monthed from seturem products to the Derevised from returns made to the De-partment by breeders on forms sent them for the purpose.

### Silo Demonstration Work By R. J. Ferris, Silo Demonstrator for British Columbia.

British Columbia. There is an increasing desire by the farmers of British Columbia merits of silage as an aid to the cheap atoms have covered to a large extent initial policy of the Branch of placing as the Cover of the argument of the initial policy of the Branch of placing as the Oknosegan, Arrow Lakes, Kan populated part of the more thekly populated frat-class method of a avec-tisme bergen of the standard of the avec-tisme of the standard of the standar being built more rapidly. now using bulk more rapidly. The offer of assistance to the first farmer in an institute District who erected one of the type of silos which was recommended, has been taken advantage of by 30 per cent of the Farmer' Institutes. There are still a large number of Institute districts where instituted i dere afte anti a ange number of institute districts where they have not yet begun to feed allags to their this. Slage is an economic necessity, and the modern dairy farm is not down this apply to British Colum-bia with yet and the start of the Columbia farmer and his Slo" was comptide, and the information thereis riven has led to a large number af farmers building allos. There has also been a large domand for the builds with the Slopartment representative and 15 have been filled.—Agriculture Gasette.

Gazette.

The whale gets into trouble only when he starts to blow.





ask for prices



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December 5, 1918

### FARM AND DAIRY

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asing desire by ritish Columbia inted with the id to the cheap tock. Our oper-o a large extent te province. The ranch of placing ng districts such ow Lakes, Kam-the more thickly e province, has nethod of adverit that they are re rapidly. The the first farmer erected silos which was een taken advan t of the Farmers' re still a large distri districts where gun to feed sliage ge is an economie nodern dairy farm hout a silo; espeto British Colum g temperatures ed "The Brit "The British nd his Silo" was nformation thereis a large number of

os. There has also ad for the bulletis Silage s have been erectal t representatives, filled.—Agricultural

into trouble only blow.

### En-ar-co National Motor Oil Made by "Graduate Workmen"

Scientific Refining

Made by "Graduate Workmen" Our sciencification or colo-like substances in this oil. In the making if middle or colo-like substances in this oil. In the making if middle or colo-like substances in this oil. The substance of the substance of the substances of the response of the substance of the Order if by the barrel or half-barrel — the substance of the oil work of the substance of the oil work of the substance of the substance of the substance of the of the substance of the substance of the substance of the oil work of the substance of the substance of the substance of the of the substance of the substance of the substance of the oil work of the substance of the substance of the substance of the oil work of the substance of the substance of the substance of the oil work of the substance of the substance of the substance of the oil work of the substance of the substance of the substance of the oil work of the substance of the substance of the substance of the oil work of the substance of the substance of the substance of the oil work of the substance of the substance of the substance of the oil work of the substance of the substance of the substance of the oil work of the substance of the substance of the substance of the substance of the oil work of the substance of the substa HARD BURNL MOTOR OIL



En-ar-co National Light Oil Buy Your Winter Supply Now A bright, clear light — without chared wick or sooty chinney — is assured when you use this oil in lamps or lanterns or oil stoves. Buy it by the barrel. Be ready to meet fuel shortages with an oil stove.

This "better oil" insures uniform heat with no smoke, no smell. It does not leave a carbon deposit to clog wick and burner.

As all purner. All o best for incubators and brooders and the most economical tractor fuel. Bearest branch.

### En-ar-co Motor Grease For Every Grease Point



It is no longer necessary to have a special grease for compression cups, another kind for differentials, and still another grease for trans-missions.

En-ar-co Motor Grease will give perfect lubrication for all purposes, all around the motor car or tractor.

Our refining experience of half a century has made this grease possible. Ask for prices f. o. b. our nearest branch. Packed in convenient 25-Ib. Screw-Top Cans,



The Powerful Motor Fael You can't afford to use

You can't afford to use ordinary gasoline: these days. You want "White Rose." It has made a sen-sational coord for depen-dability, power and extra energy. It gives your mo-tor "dash" and "pep" and results in a greater satis-faction than you have ever known.

lak for prices f. o. b. our nearest branch.

### **Black Beauty Axle** Grease

Here is the best axle grease ever made. We've been making it for nearly a half century. It now has world-wide sale. It con-tains no compounds to clog and gum. Packed in useful galvanized pails. (5) Ask for prices f. o. b. our nearest branch.

**Canadian** Oil Companies, Limited

**Branches in 36 Cities** eneral Offices: Toronto, Ontario

# 'Til the Boys **Come Home**

marine

Now to plan for the return of our fighting men-to keep their jobs open just a few months longer. They are eager to get back They are looking forward to positions awaiting them.

Over 80 En-ar-co boys are in service. Many of them were salesmen. Soon, we hope, they will be renewing old friendships-calling on you! But until then we must all "keep the home fires burning" by doing business through the mail as much as possible. We must "carry on" for them.

### Will You Do Your Part?

Buy of your local dealer if he has En-ar-co Products in stock. If he cannot supply you, then mail your order direct. Let the mail take the place of the salesmen who have brought us victory. Your check with order saves bookkeeping and helps to hold another job open. It also entitles you to a cash discount.

Now is the logical time to stock up with goods you will need during the next few months. Railroads will be congested with food and materials. Don't neglect buying now, for we guarantee that prices will not be lower inside of one year. If your present needs are supplied and you cannot secure En-ar-co goods near home, send your order for next spring's requirements, inclosing check dated ahead. We will protect you on present prices.

> Use This Coup If Your Dea Cannot Sup You

| e               | Send This Order Coupon Now!  |
|-----------------|--|
| oupon<br>Dealer | Canadian OII Companies, Limited  |
| Supply          | My Dealer  |
| u               | located at<br>cannot supply me. Flease ship the following from your<br>pearest branch. |
|                 | Gallons En-ar-co National Motor Ol   |
|                 | Gallons White Rose Gasoline  |
|                 |  |
|                 | Pounds En-ar-co Motor Grease   |
|                 | Pounds Black Beauty Axle Grease  |
| My Name Is      |  |
|                 |  |
| Town            | Province   |
| Shipping Point  |  |
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Dairy Matters of National Importance Dealt With At Ottawa A National Dairy Council Organized — Changes Suggested in Legal Standards of Dairy Products — Scales of Points Adopted for Scoring Cheese and Butter — Definitions Accepted for Different

Grades of Butter, Cheese and Cream - Other Important Matters.

HE three outstanding accomplishments of the four-day national dairy conference, held in Ottawa

(12)

last week, were: First-That the delegates succeed ed in forming the long discussed and desired National Dairy Council for which officers were duly elected, a form of organization agreed upon and preliminary expenses provided for. Second—A number of importa

Second-A number of important changes were suggested in the legal standards for dairy products, as used by the Inland Revenue Department These apply to milk, cream, homogen-ized milk, homogenized cream, ico-cream, condensed milk, butter and cheese

cheese. Third-Scales of points were adopt ed for scoring cheese and butter which it is proposed shall be used throughout Canada. Grades for for cheese were decided upon and their standards. Grade standards and grade descriptions of cream were adopted.

Recommendations Made.

A number of other important mat-ters were dealt with and decisions reached. Among those concer ing which definite resolutions were passed were the following:

It was decided to request the vari-us Provincial Governments to enact legislation at an early date requiring milk producers to be paid for milk according to its butter fat test.

The Dominion Government will bo asked to release at the earliest mo-ment possible all soldiers in any way connected with the dairy industry.

Now that the war is practically over the Dominion Government will be asked to rescind the regulations permitting the sale of oleomargarine. An effort will be made to impress

upon milk producers all over Canada the importance of buying pure bred dairy sires only from breeders who can show reliable records of the milk and fat produced by the dams of the animals offered for sale.

animals offered for sale. As a means of helping to prevent the rapid spread of tuberculosis among swine the Dominion Govern ment will be requested to make it alsory to pasteurize or sterilize all dairy factory by-products.

The appointment of a dairy com-mission composed of butter experis was favored for the purpose of investigating the requirements of various export markets.

The pasteurization of milk or cream in the manufacture of all butter made

in Canada was recommended. Character of Gathering.

The conference was convened by The conference was convened by the Dominion Dairy Division, the ex-pense being met by the Government. Dairy Commissioner J. A. Ruddick presided throughout. The meetings presided throughout. The meetings were held in the Chateau Laurier, and the delegates included representa-tives from all branches of the dairy industry, in all the Provinces, including the producers. As the men pres-ent were recognized leaders in their respective fields and had had many years of experience, much more rapid progress was made in the discus-sions than otherwise would have been Some resolutions the case. Some resolutions were passed with little or no discussion, the attitude of the delegates concern-ing them being well known. In some cases the decisions reached were ahead of the views held by many dairymen, such, for instance, as the one favoring the payment for mills by butter fat test and the one recomending the pasteurization of whey. The object in passing these resolu-tions was that they might be used to educate public opinion and pave the way towards obtaining the reforms aimed at.

### LIST OF DELEGATES.

The following is a list of those who

ere present: Dairymen's Association of Western Ontario-James Donaldson, Atwood Generation James Longdon, Atword, W.G. Frank Boyes, Dorchester; W.G. Medd, R.R. No. 1, Woodham, Ont. Dairymen's Association of Eastern Ontario-J. A. Sanderson, Oxford Sta-

tion; T. A. Thompson, Almonte; R. G. Leggett, Newboro. Quebec Dairymen's Association-J. Quebec Darymen's Association of A. B. Vincent, Racine, Shefford Co.; L. P. Lacoursiere, St. Hyacinthe; J. P. Cox, Greenlay, Que.; George K. Cayer,

St. Hyacinthe. New Brunswick Dairymen's As

New Brunswick Dairymen's Associ-ation-W. H. Huggard, Norton; J. P. Simoda, Moncton, N.B. Nova Scota Dairymen's Associa-tion-D. W. Murray, Scotsburn, N.S., Harod Ficoner, Stellarton, N.S. E Island Dairymen's Association Distribute Longe Hunbury Farm.

-J. Maiter Jones. Bunbury Farm, Charlottajown, P.E.I.; J. F. Profilt, Kensington, P.E.I. Manitoba Dairymen's Association-

Walter J. Cummings, Winnipeg; Alex. MacKay, 509 William Avenue, Winnipeg, Man.

peg, Man. Saskatchewan Dairymen's Associa-tion-W. A. Wilson, Sask. Co-opera-tive Creameries, Regina; O. W. Ander-

tawa, Ont.

J. D. Laing, Brockville, Ont; S. B.

culture-H. W. Coleman, Datry Supt.,

Construction of the second sec

Dairy Schools-A. T. Charron,

The Delegates who Attended the Dominion Dairy Conference, and Organized a National Dairy Council.

Ottawa-Dr. A. McGill, Dominion sen, Humboldi, Sask. Aiberia Dairymen's Association—E. Aiberia Dairymen's Association—E. Edmonton, Aila.; P. Pailesen, Calgary Central chese Factory, Calgary. Ontario Milk Producers' Association -E. H. Stonehouse, Weston, Oat. Montreal Milk Shippers' Associa-liona-Lance Weston, Chemotoge, Ont sen, Humboldt, Sask Analyst Officials of the Department of Agri-culture, Ottawa, including George H. Barr, Chief of the Dairy Division, and F. Singleton.

Montreal Milk Shippers' Associa-tion-James Winter, Ormstown, Que. Ayrshire Breeders' Association-W. F. Stephen, Huntingdon, Que. Jersey Breeders' Association-B. A

Bull, Brampton, Ont. Ice Cream Manufacturers' Associa-tion-J. Bingham, Ottawa Dairy, Ot-

Milk Distributors-C. B. McNaught,

MIM: Distributors—C. B. McNaught, City Dairy, Toronto, Ont. Canadian Creamery Association— Mede Rohertson, Beilewille, Ont; W. G. Milk Condensaries—W. D. Strack, 108 Hudson-Street, New York, U.S.A.; 10 Luka: Recolveding, Chil. 8, 19

Trainer. P. E. Island Department of Agricul-ture-Fraser T. Morrow, Charlotte

town, P.E.I. town, P.E.I. Nova Scotia Department of Agricul-ture-W. A. MacKay, Dairy Superin-tendent, Truro, N.S. New Brunswick Department of Agri-

Sussex, N.B.

Quebec Department of Agriculture E. Bourbeau, St. Hyacinthe, Que.

toria, B.C. Chief Dairy Instructors, Ontario and Quebec-Frank Herns, London, Ont.; G. G. Publow, Kingston, Ont.; A.

Trudel, Quebec. Hyacinthe, Que.; L. A. Zufelt, King-ston, Ont.; H. H. Dean, Guelph, Ont.; K. O. MacKay, Saskatoon, Sask.

A. G. Machay, Saskatoon, Sask. Montreal Produce Merchanis' As-sociation-E. H. Hodgson, Montreal, Que.; P. W. McLagan, care Lovell & Christmas, Montreal, Que.

Official Butter Grader for Ontario -J. H. Scott, Municipal Abattoirs, To-

Bacteriologist, O.A.C., Guelph, Ont. Prof. T. H. Lund. Department Trade and Commerce,

THE NATIONAL DAIRY COUNCIL - OR years there has been a wid. spread desire in Canada for some form of a National Dairy Coun-cli that would unite the various branches of the dairy industry in one

strong central organization, capable of speaking for the industry as a whele. This desire has grown rapidly during the past couple of years and was intensified by the oleomargarine situation and the recent action of the Food Board in commandeering dairy

matter was first brought up for dismatter was first brought up for dis-cussion in the form of a resolution moved by L. A. Zufelt, arguing the formation of a National Dairy Cous-cil, and seconded by W. A. Wilson. This resolution, was dobated, at some length. It was not accessed as word-ed, but the jdes of forming a council was approved and a committee was was approved and a committee was appointed to deal with the matter.

tentative provisional arrangeindustry, three from the east and one of the oream and milk producers for city trade, two from the east and one from the west; two representatives of the ice cream manufacturers, one from the cast and one from the west; one representative of the condensaries, and that these thirty-four rep. resentatives elect from among them selves a president and vice-president, the east and one from the one from west, and four members of the exect tive from Eastern Canada, and three members of the executive wrom West ern Canada, the men from the east (Continued on page 24.)



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power is vation of ometimes for which

cient resul fally desig cient.-En

butter. At the conference last week

At a later session this committee reported that it had been moved by T. A. F. Wiancko, seconded by E. H. Stonehouse, and unanimously agreed. as a tentative provisional arrange-ment, to recommend that the National Dairy Council be composed of two representatives from each Province, one representative from each Prov-ince to be a producer of milk, and that they add to their numbers as follows: Pour representatives of the cheese industry. Urea from the east and east from the west; three representatives of the butter industry, two from the east and one from the west; three representatives of the milk distri-butors, two from the east and one from the west; three representatives

### 5, 1918. awa

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Dominion ent of Agr! g George H. Division, and

COUNCIL been a wide Dairy Coun the various lustry in one tion, capable dustry as a grown rapld-of years and pleomargarine action of the deering dairy

st week the a resolution urging the Dairy Coun-W. A. Wilson, bated at some opted as wordming a council committee was the matter.

nded by E. H. mously agreed. ional arrange nposed each Province, - of two of milk, and that bers as follows: of the cheese he east and one representatives y, two from the he milk distrieast and one representatives ik producers for the east and one representatives e from the west; of the conden e thirty-four rep om among them ad vice-president, nd one from the anada, and three utive wrom Wes



Tractor Questions aaked by the Department of riculture of the United States answered by Manufacturers of an Tractors.

Tractors vs. Horses What different kinds of farm work can tractors be used for at least as efficiently as horses?

efficiently as horses? TRACTORS can be used as effi-farm work for which truths power is required, excepting the cuit-vation of cours, exiton or other crops, sometimes designated as "row" crops, for which, to obtain the most effi-cient results, a tractor cuit/vator, spec-fully designed, will be found most effi-cient-Emerson-Branitagham Co.

Tractors can perform all of the fol-lowing functions as well if not better than horses: Discing, performing all operations in preparis. The seed bed, threshing, operating entiresting, har-vesting, operating entiresting, wood awing, pumping, operating entirest Motors Track Company.

Track Company. There is no question but what tractors can be used as efficiently tractors can be used as efficiently than horses or nearly all kinds of farm work. Tables applies especially to plowing, which is in reality the basis of all farm operations, and is perhaps the hardest farm work that has to be does it is none the less true, how-over, in case of other farm work such the set of the farm work such the set of the farm work such the set of the set of the set of the the set of the set of the set of the the set of the set of the set of the the set of the set of the set of the performance of the set of the performer, and fail work in the set the set of the set the set of the set of the set of the set of the performer, and fail the necessary to give them time to become accustom. I to have the fore the case do for any length of time, it is necessary to give them 'inee to become accustom-ed to hard work before they can de-liver helr maximum amount of power. With the tractor, it is possible to do as much work the first day it is used after a period of idleness. In the ease of work the list, more case of work as light cultivation, mow-ing, hauling hay to the mow or barn, horses can be used to good advantage. —International Harvester Co.

Given a tractor of the right design, weight, and balance, tractors may be employed at least as efficiently as borses and in many cases much more so, for ploying, discing, harrowing, seeding, pulling binders, and, of course, all kinds of belt work.-La Cresse Tractor Co.

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A LiGHT tractor of proper con-truction that will ordinarily puil build same size load that can be will be assessed by the same size work than can two he on two horse work than can two he on two horse or the same size word and there by made to do all the word and there by illinate feeding additional horses for the worlds in the year so that they will be available for use for a short time. If the statement is true that as many many horse power hours are required for cultivating consideration that the table of the constant in the rest of the constant of the same size work hours and particularly as work is being done at the same time the cultivation takes place, the tractor that works those seasons of the year can not help hut be economical for all cân bot neip out be economical for au work. Testa have been made that prove a tractor such as the one above described can be used for doing two horse work more economically than two horses.—Moline Plow Co.

Trath is mighty-mighty incon-venient to the horse trader.

FARM AND DAIRY

1333

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VERYBODY prefers a gift that is really useful, to some pretty but purposeless novelty. So that it is easy to be patriotic and comply with the Government's earnest plea-Give Useful Gifts.

This applies equally whether you are buying the gift for yourself-as a "treat" after the harvesting-for your friend or relative who may be "over there" for months yet, or for the folks here at home.

### The GILLETTE Safety Razor THE USEFUL GIFT

If it were only the custom to tell your friends what you would appreciate as a gift, how many more men would own a Gillette-a really useful gift "...t constantly reminds the person to whom it is given of the giver's i...ughtfulness-day after day, for at least the few minutes occupied by the most pleasant of shaves.

Make all your gifts USEFUL, with the Gillette heading the list where men are concerned. For men who already own a Gillette, the gift of a few packets of blades never fails to win appreciation.

Your jeweler, druggist and hardware dealer is showing Gillette Sets at five dollars. Christmas mails for Europe will soon close.



Gillette Safety Razor Co of Canada, Limited,

> MONTREAL 402

### BOOKS FOR WINTER READING

The winter is your opportunity for doing some winter reading on any subject of farm interest. Here is a list of a few of the farm books in Farm and Dairy Library. All these are catalogued and are

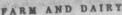
Dairy Farming Feeds and Feeding Day's Book on Swine

Library Department

Modern Gas Tractor Model T. Ford Car Automobile Questions and Answers

- - Farm & Dairy, Peterboro

These and several hundred others are listed in a good descriptive catalogue that you can securé from Farm and Dairy by dropping us a postal. Price of each book is indicated in our catalogue and will be sent postpaid on receipt of price. Write for our catalogue to-night.





stunt growers, segetable growers and norman have been us junges and the critical and practical tests of "ACCO SPRAY POWDER." They have been willing to normation merit only-"clean fruit and healthy foliage." This yestor than 300 times as much "ACCO" was used as in 15 a and estimates are a few of the many unsolicited testnials from our customers:

### Fruit

### City of Toronto Registry Office. September 23rd, 1918.

The Acco Chemical Co., 23 River Street, Toronto.

The series of the series to be a series of the series of t

British-Canadian Canning Co., Toronto, Sept. 19th, 1918.

### Vegetables

The Acco Chemical Co., Toronto, Ontario,

Toronto. Ontano. We have a start to report that your Acco Snuy Powder was the start of the start of the start of the start of the the start of the start of the start of the start of the mora year effective in the start of the start of the start of injury ether to the start of the start of the the start of the star

Canada Food Board

### Flowers

E J. Curry, Esq., Acco Chemical Co., Ltd., 23 River Street, Toronto.

And Characteris Cos, Leff. In Start Street. The Street Street. Street Street. Stre

Yours very truly. (Signed). C. S. FURNESS.

It isn't ioo effity to plan now for your spraying material. Fruit grow-ers anticipate heavy "setting." Available abipping will open big mar-kets. The man with clean fruit will get the prices. In justice to your crops use

### ACCO Spray Powder

It is the most effective protocion against insects on the Canadian-market. It is inexpensive desaper than Paris Green or Arsenate of Lead; simple and easy to publy and light in ahipping weight. Acco Spray Powder hat foliage. Prut: companies used over 21 tons more in international states of the second states of the second states of the international states of the second states of the second states of the international states of the second states of the second states of the international states of the second states of the second states of the international states of the second states of the second states of the international states of the second states entire satisfaction

For sale by all Hardware and Drug Stores.



### Proposed Farmers' National Platform

Council of Agriculture Meets at Winnipeg-Drafts Outline of a Progressive National Platform-Independent Farmers' Party Not Favored-Planks of Platform

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### The Platform.

The platform as adopted for sub-The platform as adopted for aub-mission to the provincial conventions, which will be held during the next few months, for final ratification, was, with the exception of a few explana-tory paragraphs, as follows: The Canadian Council of Agricul-ture hereby recommends the following: recommends

measures

(1) A League of Nations as an

(1) A Lesque of Nations as an in-ternational organization to give permi-anonce to the world's peace by re-moving old causes of conflict. (2) We believe that the further de-velopment of the British \_\_mpire should be sought along the lines of partnership between atlongs free and equal, under the present Governments system of British \_construitutional au equal, under the present Governmenn system of British constitutions and thority. We are strongly for the system any attempt to term to set up an indication of the system of the suthority he termed parliament, Coun-cultority he termed parliament, Coun-suthority he termed parliament, four-cil or Cabinet, would hamper the growth of responsible and informed democracy in the Dominions.

#### The Tariff.

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### Specific Recommendations.

Beecific Recommendations. Therefore, be it resolved, that the Canadian Council or Agriculture, re-presenting the character of the Canada, urgent and the second term of the second second second term of the second second second be amended as follows: (1) By an immediate and substan-tial alround reduction of the customs tartff.

tariff. (2) By reducing the customs duty on goods imported from Great Brit-ain to one-half the rates charged under the General Tariff, and that further gradual uniform reducing the made in the remaining tariff on British imports that will ensure com-

picts free trade between Great Brit-sin and Canada in five years. (3) That the reciprocity agreement of 1911, which will remain on the United States statute books he ar-cepted by the Parljament of Canada. (4) That all.foodstuffs not included in the reciprocity agreement be placed on the free list.

on the free list.

Free Agricultural Implements.

Free Agricultural implements. (5) That Agricultural implements. farm machinery, vehicles, fortilisers, coal, lumber, cement, illuminsting, fuel and lubricating oils be placed on the free list, and that all raw ma-terials and machinery used in their manufacture also be placed on the free list. free ilst

free list. (6) That all tariff concessions granted to other countries be im-mediately extended to Great Britain. (7) That all corporations engaged in the manufacture of products pro-tected by the customs tariff, be oblig-ed to publish annually comprehensive source statements of their carries. and accurate statements of their earnings.

### To Be Heard in Public

(8) That every claim for tariff pro-tection by any industry should be heard publicly before a special com-mittee of Parliament.

mitice of Parliament. As these tariff reductions may very considerably reduce the national rev-enue from that source, the Ganadian Council of Agriculture would recom-mend that in order to provide the no-essary additional revenue for carry-ing on the Government of the country, and for the bearing of the cout of the war, direct taxation be imposed in the following manner. following manner.

Direct Tax on Land Values.

(1) By a direct tax on unimproved land values, including all natural resources

(2) By a graduated personal income

tax. (3) By a graduates inheritance tax

(3) By a graduate inheritance is on large catefa. (4) By a graduated income tax on the profits of corporations. (5) That in laying and collecting the basiness profits ax the Dominion Government should insist that it be absolutely upon the basis of the actual cash invested in the basiness, and that no consideration be allowed for what is popularly known is waiered stock.

(6) That no more natural resources (a) That no more natural resources be alienated from the Grown, but brought into use only under short-term leases, in which the interests of the public shall be properly saferour-ed, such leases to be granted only by public auction.

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#### Care of Returned Caldlers.

(5) With regard to the returned soldier we urge: (a) That it is the recognized duty

a) This the two reasonables of the factor well believe at the das difference of the das differenc

The Obligation of Employers.

(e) It is highly desirable that if physically fit discharged men should endeavor to return to their former occupations, and employers should be

(Continued on page 40.)



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FARM AND DAIRY

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Those Pictures from Home

"If they only knew the pleasure they bring us \* \* \* I am sure they would come."

Translation of an extract from a letter written by a young Belgian soldier to a friend in America.

"And often I must take in my hand, the pictures from home. I look at them all, one after the other, and they speak to me. Then I am once more at home—I listen, and I live again. It would be too much for me to write you all that they say. But above all, they say to

### IN THE FRENCH

Et chaque fois je dois prendre les portraits de chez moi en main. Je les regard tous, l'un apres l'autre et tous me parlent. Alors je suis de nouveau à la maison, je les coute et je revis,--ce serait trop de vous écrite, tout e equ'il une disent. Mais suriout lis me disent, "Au revoir!" Je les troure tous un peu maigris, et Papa et Maman un peu plus gris de cheveux. Hens, si seulement on savait le plaisir que nous procure, ces portraits de la maison, il n'en reterait pas un en Belgique. Tous les portraits s'elancernient vers nous, quand meine s'ha devaient passer les fils electrique de les frontières ou s'ha devaient passer à la mage le canal de l'Yser, je suis certais qu'ils viendrait. me, 'Au revoir.' I find them all a little thinner, and Father and Mother a little grayer of hair. Tiens! if they only knew the pleasure they bring us, these pictures from home, there would not be one remaining in Belgium. All the pictures would rush towards us; even if they had to pass through the electrified wire of the frontier, or if they had to swim through Yser Canal, I am sure they would come."

### GUSTAVE GEBOERS

L 282 2me Compagnie Armée Belge en Campagne



GUSTAVE GEBOERS

Thus writes Gustave Geboers, a Belgian boy of twenty-three. And your boy, our boys, will pictures mean less to them?

It is the very real contribution that pictures make to the morale of the men in camp and overseas that qualifies the Kodak as a gift in tune with the times. Kodaks for the folks at home mean pictures for the boys in France-good pictures.

Cheering letters mean much, cheering pictures mean more, for the soldier sees with his own eyes that all is going well back home.

Give Kodaks here that they may get pictures there.

Autographic Kodaks \$8.50 and up.

### CANADIAN KODAK CO., Limited

TORONTO, CANADA



### FARM AND DAIRY

## FARMERS **Plan Now For Next** Season's Crops

### Gather Information About:

The Best Varieties of Grains and Roots: The Most Profitable Breeds of Cattle, Sheep, Swine and Poultry.

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### Agriculture In and Near No Man's Land

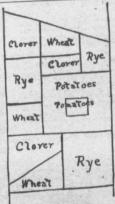
implements in common use. They do the work, however, and do it well, if bountiful crops are any evidence; that is all that the French farmer wants, or cares about. It is expected, however, that demonstrations of efficiency now given by agricultural implements im-ported from Great Britain and Canada for purposes connected with the war. implements in common us

ported from Great Britain and Canada for parposes connected with the war, will stimulate a desire for using better implements in the future. Strict attention is paid to culture. thora and manuring. Every farmed bere knows that land will not provid be-lag well cared for manure that his or huy (in trade) goes on the land; once is warded, excepting by exposure none is wasted, excepting by exposure and leaching in barnyards.

#### Harvest Methods

Harvest Methods. Among the interesting sights of the harvest field are clover in cocks so small that a child could lift one, hay of all kinds in cocks tied with thongs at the top, grain is stooks much larg-er than made in Canada and hay, straw and unthreshed grain in sym-metrical, many-shaped states, of straw and undreshed grain in sym-metrical, many-shaped stacks, of which the French, and also the Eng-link and Scotch, farmors are mator-builders. A sprikkling of rys is accos-times grown in the clover to still the latter when curing in cock and to furnish material for tying. Other and year after year. Sometimes the cocks are but also at the bottom before uning but also at the bottom before uning tured and stored like blas the clover suffers little or no botto i teal. But intensive in loss of time and labor. Live stored on the farm ascess to be

Live stock on the farms seems to be plentiful, but the quality is below average in and near the war zone; even in districts many miles behind even in districts many miles beain the lines. The best horses have been commandeered for army purposes, ex-cepting a number of pure-breds left in selected localities for breeding. The cepting a number of pure-breds int in selected localities for breeding. The horses left for working the farms are mostly the unfits. The predominating type is heavy draft, showing Performan-sive in conformations in bone man-poor in quality are in bone man-bored in the second second second breed it we marses of good breed it we marse of good lots of really good colts, too young as



### A "Crazy Quilt" Farm Plan.

A "Crary Quilt" Farm Fina. The diagram is not an exageration. It is an accurate representation of the manner in which the small farms of the France are split up with perhapidary sep-arailed. This of the potent field, how-ing the second second second second second the was to remove it mone attractive discovered by soliders.

(Continued from page 7.) They do

A Te raced Hillside.

This diagram in cross section shows the step like appearance produced on the hillside farms of France by terracing. The rises the terraces are not se nearly perpendicular but that they, too, are cropped. yet for work either on the farm or at

### the front.

A Waste of Horse Power. Interesting and peculiar are the ways in which horses are hitched to vehicles. Two-wheeled carts are used for nearly all purposes of work and for nearly all purposes of work and play-for hauling manure or crops, for going to market or thermal thermal of the to church or on a much end at the council of the second second second second second differ in site of the second second second differ in site of the second second second of various numbers fundies around the horse in the shafts. It is common to see a dump cart of manure being hauled by four horses-one in fase shafts and three abreast in the shafts. shafts and three abreast in the lead. A few harmiers have four-wheeled hay wagons, like those used in Canada, but almost twice as heavy. Often I have seen four or more hörses hitched to these and drawing what Canadian farmers would call searcely a two-horse load, but big loads in the eyes of the average farmer here.

horse load, but big loads in the eyes of the average farmer here. It-is on account of grades on the distant farm that some Frenchmen uses so many horses. Reconomy in horse power might be effected, how-ever, by working some of these horses on the farm while the remainder were haaling the load that far. Most interesting of all teaming customs is the fact that only one rein, or line, is used for driving, no matter how many horses are harmessed to

how many horses are harnessed to-gether. By means of this line, usu-ally rope, and words of command, the ally rope, and words of command, the horses are manouver in all direc-tions like a squad of soldiers on pa-sade. It is really a wonderbuil demo-stration of how well horses can be trained to obey instanty such words of command as "whoe," "gee" and "haw," or their squarks in it French. Donkeys and aasse are very com-mon in France. I use has former term for the little fellows and the latter one for all other speciments of the species. They are hitched to small

one for all other specimens of ine species. They are hitched to small carts, often in tandem, and do much useful work for the poorer classes of people. Mules are used in some parts of France quite extensively, but I have seen, in districts that I write about, only one or two outside of the army.

### Red Cattle Everywhere.

Cattle in this part of the country are all red in color. In many hundreds that I have seen not more than a foren head were otherwise. This char-acteristic, coupled with comparison with breeds that I know or have read bout, makes me think that these catabout, makes me think that these cal-tle were originated in Normandy. I have asked a dozen farmers, by means have asked a dozen farmers, by mean of my "pigeon" French or through hi-terpreter, what breed his cover were and not one could tell me'; to then, they are good general purpose cattle for general purpose farmers. The cover are milled very said, the mornings and often build about nine O'clock at nights. Seen farmers milk three times a day. Res-lish and Scotch soldiers can buy Res-lish and Scotch soldiers can buy Res-lish and Scotch soldiers can buy Res-

lish and Scotch soldlers can buy this milk at eight or ten cents a quark even less rometimes; but the Yaha and Canadians, all of whom are con-sidured millionaires by most persant, are honored with a special price ranges from twelve to twenty cent, according to the man, the moid as the moment. the moment.

Goats also are raised extensively for milk, meat and work. Of sheep as

### December 5 swine, I canesa

of the former poor specimens latter were wor good live stock and grade; but lent in the distr A Tribute t The farm wom

derful workers, work of the ho they do their s the fields. Most bent and many round-shouldered loads on their b handled boes in mon custom for field to the hon work is done. A almost doubled when hosing crop are the hoss that ing and thinning. while, I can way very little. The fow of the former that I have seen very poor specimens, and the many of the latter were worse. There are lot's of good live startick in Fange, purchased and grade; but that kind is not preva-ient in the dustricks near the war zone. A Tribute to French Women.

A Tribute to French Women. The farm women or France are won-derful workers. Besides doing the work of the house and of the dairy, they do their share of the work in the fields. Most of the old women are bent and many of the younger-ones round-shouldered from earrying heavy joals on their backs and using short-head the share of the fields. A com-head the share of the fields. A com-head the share of faggeds from the field to the home of faggeds from the field to the home of faggeds from the simulate of the complexity optical to the simulate of groups, so short in haadid yre the homes that they use for wood are the hoes that they use for weeding and thinning.

Almost any work that a man can do, these days by women. From dawn to dusk, they toil with old men and childusk, they foll with old men and chil-dren for the of the nation. No young, and few shifted and the nation. No seen in the fields, there are the for work on a farm Men who are fit for work on a farm Men who are fit for military service of considered at even though they be not fit me he has ers, however, in desire or dead. Where man and woman is either fighting or france.

### A Red Cross Dairy Farm

NE of the finest farm properties in England, Sarisbury Court, near Southampton, is now being worked the American Red Cross as means of giving recreation to wound-ed American solders and also to sup-ply milk and freeh vegetables to the

hospital in the Manor House and neigh-boring hospitals. In this farm there are 186 acres, and it is evident that it will support a mixed Hokston Quernasy hered of at least 50 halo Incidentally the establishment of the Quernasy hered illinatrated for fact that the laws of Great Britain are not as unchangeable as these of the Medes and Pergians are reported to have been.

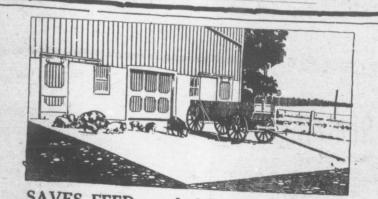
been. The first more of the American Red Cross was to secure Mr. Frank S. Peer as managers in the dairy farm. Mr. Peer is one of their dairy farm. Mr. Peer is one of their dairy forms of the farm in New York size He has a fine farm on the island of Guernaey, the home of this breed, which is a show place and the model farms of the island. On his Guernaey farm Mr. Peer makes supace of ground produce four tons of supace of the croys in proportion and 20 entres support 76 head of cattle. Mr.

(17)

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Peer wanted to take some of his fine Peer wanted to take some of his fine Gueraseys from this farm across the channel to Saribbury Court. Several of the other Guerasey farmers were willings to the new Red. Cross herd. Great Britain fas a law, however, eds-ing back to the foot and mouth disease easy many wars and mosting diseases Ing back to the foot and mouth disease seare many years as absolutedy so-biding the important about the source into the United Kingdord We sock stock must be slaughtered all its stock must be slaughtered all its stock must be slaughtered be about ontry and within a few hours. American Red Cross took up the mat-ter with the British Government and exception was made in favor of Mr. Peer's Guernesys and they are now at Sariabury Court.

In addition to the easiry hord there are now on this farm 100 pigs, 1,600 chickens and many ducks. The vage-table and fruit gardens cover 19 acress. Attogether this American Red Cross farm in the 01d Land is an interess-ing enterprise.



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mud-holes. It's pork we need. Hogs are at top-notch prices. Now is the time to make every grain of feed bring market value. This can only be accom-plished by methods of feeding that absolutely prevent waste.

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entitied "What the Farmer can do with Concrete," that has helped more than 100,000 farmars, will help yes.—by showing you how easy it is to construct improvements that are provided in the state of the state of the state provided and the state of the state of the provided and the state of the state of the provided in the state of the state of the provided in the state of the state of the provided in the state of the state of the provided in the state of the state of the provided in the state of the state of the state of the provided in the state of the state of the state of the provided in the state of the state of the state of the provided in the state of the state of the state of the provided in the state of the state of the state of the provided in the state of the state o

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very early in not again until Some ights. s a day. Engcents a quart. but the Yanks whom are con most peasants, ecial price that twenty cents, the maid and

extensively for Of sheep and

Fencing? Yes, but what kind? The farmer who thoroughly examines the relative merits of the various brands of wire fences offered to him will not have any difficulty about deciding upon the one he ought to have. Let him decide by that most unerring of all tests—weight. Why judge by weight? Because weight means arrength, and strength means darability and long life. Of the different makes of wire fences, there must naturally be one that will weigh heavier than the rest.

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December 5, 1918.

### The Tractor, the Truck and the Horse (Continued from page 6.

tions, the rivalry of the tractor with the farm horse was not seriously con-sidered. Now the situation is changed It Light tractors have been perfected Light tractors have been perfected. It is a rough farm indeed on which a tractor cannot be made to do the blg-gest portion of the field work and all of the beliwork. Junt a few days ago a representative of Farm and Dairy visited Mr. J. W. Richardson at his well-known Riverside Farm in Hald-mend Go Gut Wa fared Mr. Rhherdmand Co., Ont. We found Mr. Richardmand Co., Ont. We found Mr. Hrenard-son plowing the hardest kind of clay, and his new tractor was going right up hills that would have made plowing exceedingly hard work for a good team exceedingly hard work for a good team of horses. On the Royeroft Farm, in York Co., Ont., sharp slopes have been plowed with the tractor with excellant satisfaction. That farmers generally hillity of the tractor is proven by the proad, numbers that are hoing oppgreat numbers that are being pur-chased. Surely this must have some influence on the demand for horses!

The Other Side. A few days ago we were talking with Mr. Smith, manager of the horse de-partment at the Union Stock Yards, Toronto. Mr. Smith is probably as closely in touch with the horse trade of Canada as any other one man. When The Other Side. of Canada as any other one man. When

or Canada as any other one mark, when we visited him the market was quiet, as it always is at this time of year. Mr. Smith was sure, however, that this was only a temporary lull, and expects trade to continue with all its old time vigor at the beginning of the year. "There is not the slightest doubt," he told us, "but that there will be a de cided shortage of heavy draft breed ing stock, due in large measure to the heavy export trade. I believe that the Department of Agriculture should be strongly urged to do something to prevent the exportation of heavy young mares, either pure bred or grade. This should be pressed home right now, as tempting prices are being offered to export to England, France and Belgium, and serious consequences may result from the depletion of the stock

at home Equally optimistic is Mr. E. S Archibald, Dominion Animal Husband nian. Only a day or two ago an editor of Farm and Dairy chatted over this subject with Mr. Archibald in the lib-rary of his home on the campus of the Central Experimental Farm at Otta Contral Experimental Farm & Otte-va "Speaking in a broad way over a look for the breeding of good fark hores is especially bright," stated Mr Archibald with emphasis. "I have been told by good authority that all of the good war horses will be needed in France alone. If England takes her France alone. France alone. If England takes her horses back. France will be decidedly short, and England will still be short short, and England will still be short of her full requirements. If our Gov-ernment goes after the problem with vigor there should be a good market developed for draft horses in Great Britain

The outlook is particularly bright on this side of the water," continued Mr. Archibald "We are going to have more farmers in America than ever before.' In Canada particularly we are going to farm with horses supplement-ed by tractors; not with tractors sup-plemented with horses. Our elites, too, are going to grow, and in Canadian citles more than in the United States the horse is going to be the source of power and the motor track an auxiliary." going to farm with horses supplement-

At this point our editor quoted the At this point our entor during men opinions of the Toronto cartage men already given. "That may be true of Toronto, where the streets are clean ed all through the winter," replied Mr. ed all through the winker," replied Mr. Archibaid. "I know, however, that in some of the oullying sections of the Oity of Toronto there are periods of the year when motor transport, But, what about the cithes where the streets are never cleaned? Montreal and Oltawa. The instance the thread and Ottawa, for instance, have a tre-mendously heavy snowfall. The same

is true all over the West. To clean the streets of these cities sufficiently to make motor transport c. sy would be impossibly expensive. In small cities, towns and villages all over Can-ada, no effort is made to clean the streets. In all of these cases the draft horse will have to continue to be the norms will have to continue to be the source of power, supplemented at fav-orable sensons of the year by the truck. The horse is secure in the city, especially for store delivery and short hauls."

"And how about the country?"

"And now about the county! "The horse is even, more secure in the country," answered Mr. Archibai without healtation. "We haven't been half working the land we are cull-vating in Canada, and we are cull-vating only half of what we can. Give us a stream of settlers to augment the cultivated area and we will be able to sell more horses right at home than we can breed." "For what type of horse do you an-

"For what type of norse of you ap-ticlpate the greatest demand" "The greatest demand will be for horses weighing from 1,400 to 1,650 lbs.--that is, horses that are not ex-cessively heavy and are of the right could could be approximated and a second the second type and quality. There will always be enough horses come over this weight to meet the demand for extra heavy drafters."

You are not afraid of the tractor?" "On the contrary, I am delighted with it. There are seasons of the year when it is criminal to work horses as we have had to work them The tractor will relieve the horse of the most trying work in the most trying seasons."

"Will it reduce the number of horses per farm?" "Yes, but Canada has 25 per cent of

"yes, but Canada has 20 per Cont of useless horses. By this I mean hor so that are not of the economical type or quality. If the tractor forces farmers to pay more attention to the type of horses they breed, it will be a good thing."

Where Tractors Fit in.

Continuing, Mr. Archibald said: The tractor is not in the experi-tental stage. Its .pplication is The mental stage. There are many farmers with tractor who would be better doing all of their who would be better using an of their work with horses. There are a grad number of farmers, too, who would be better off with a small tractor. I don't believe that a small farm, say, under 100 acres, can afford a tractor. I don't think it has been proven that a farm of this size can use a tractor econ-omically."

"Is there not a chance that farmen will buy tractors very much as they hought cars-just because their neighbors have them?" was our parting duestion.

duestion. "Farming is not going to be done a that basis in the future." replied Mr. Archibaid earnestly. "With our m-tional debt as heavy as it is, and al other countries after the grain man other countries after the grain mu-ket, our farmers in this country will simply have to hump it. With the Government looking properly after our interests, however, and the farm our interests, nowever, and the tars ers keeping down costs and doubling production. Canada's future is is sured. And keeping down costs is volves a closer study of the cost d farm power than the subject has ret been given

We doubt if anyone, even with all d the evidence before them, is in a pot tion to state just what will be is place held by the draft horse in er national ecoromy within the sel couple of decades. A factor of grad national significance at present is the light prices that are now prevailing on the prices that are now prevailing on the continent for horses of good type, at the almost prohibitive prices that at being asked in England and Fran for good drafters, not for war work but for civilian use. This, along vit the free'v expressed optimism of a own students of the situation, was seem to guarantee the immediate b

### December 5

ture of the ho immediate we cade to a dec greed, howeve the future will ever on the q the stock offer instrumental in in this the Un more fortunate large proportion With the elimin and poor type in clude that hori is yet an abtract farmer who is a

Dairy Type a (Continue

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also facts. Records are be more common and portant. We have to-day when reco lose disc rnment i as a reliable guide. ber of factors inclu aides dairy cow me many record cows cow merit. This is commercial milk s ary average record net a difficult ac favorable conditions ands of cows, grade reds, which would gual opportunity 1 er a creditable re on that a record me cases it unm m may be allow ers it does some m, its real service May it no hat is this identifi average individu ll it does not ider uperior merit? Co dik production poin quire analysis. Co lity point for milk performance rds, while of grea

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e, even with all them, is in a soc what will be the institution of the social sector within the set of a factor of grasent is the high prevailing on the social sector ive prices that un ignand and Frast mot for wat wet. This, along via do optimism of the situation, was the immediate b

#### December 5, 1918.

ure of the horse market at least. By immediate we mann from half a viecade to a decade. Arow half a viecade to a decade. Arow half a viearreed, however, that the seems to be ever on the quality and character arithe stock offered. The war has been instrumental in ridding America, and in this the United States has been more fortunate than Canada, of a large proportion of her off type mares. With the elimitation of acrosh stallons and poor type mares, it is safe to conclude that horse breeding in Canada is yet an astractive proposition for the farmer who is ao inclined—P. E. E.

#### Dairy Type and Milk Production (Continued from page 5.)

From a breeding standpoint the most important feature in addition to the above is character. Breediness and feminity stamp the cows as a standardised product. Here again some parts will reveal the evidence sought more than others. In this instance the head ranks first, but the color. size, horn, and many other parts contribute.

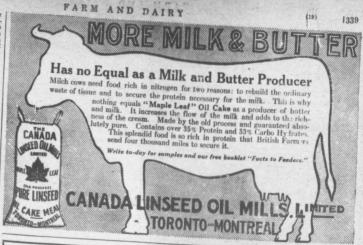
harts contribute. And so we have our type summed up in a few large features-feeding capacity, dairy temperament, milking machinery, strength, and character. Ferry particle of the cow is infolded in type and is essential to her, but they may be regarded as part and parcel of the above features.

The Weakness of Records.

That vectoris furnish the last word as to a cow's performance in a given time is a rimple fact. That they have been a dominating influence in dairy cow development with a goneral effect of value difficult to overestimate is also a fact. That they are not in themselves a sufficient estimate of an individual or of a herd, and hat they may be misloading, are also fact.

The second set of the second set of the second set of the second set once and more sing point. We have reached the point index where second sequire very des discernment if they are to serve as a reliable guide. There are a number of factors included in a record beside alary cow merit. This is true even in the commercial milk some. The ordinary average record of every little dairy ow merit. This is true are thought the second second

The Weakness of the Show Hing. That the show ring has been a pofactor in stering dairy cow debasenet toward improvement is reouted by all who are in a position have the stering dairy cow detions of the stering dairy of the has it is capable of doing and it influence has at times been been dained by a stering dairy of the table of the record crank who has been done to the statistic of the stering of the statistic of the statistic was of the itself will account one of the itself will account one of the itself will set on the statistic of the opinion of while the show ring view point the modification, not only for



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a rich feed, but not too concentrated to feed alone and when fed liberally to dairy cows it will get the highest production possible with the least cost. There is no wastage in Monarch

Dairy Feed—every pound has milk-producing value in it and more of it goes to the actual production of milk than of other feeds because such a high percentage of it is digestible.

Monarch Dairy Feed is composed of Oil Cake Meal, Cotton-seed Meal along with Bran, Barley feed and Corn feed. The mixture of Oil Cake and Cotton-seed Meals counteracts the constipation that would be caused by Cotton-seed Meal if fed alone.

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dairy cattle but for practically every other class of live atock. The inter-pretation of the standard, if not the standard itself, should be more exact-ing and more emphatic from a burne mess standpoint. The choice of ani-mal as an individual for a member of a breeding herd with a view to per-formance and reproduction should be things as condition, development, gen-eral appearance, etc. desrey could things as consider, averaginent, gen-eral appearance, etc., deserve con-sideration, but in no case should they be paramount. Even making allow-ances for mistakes in careful calculaances for initiances in careful careful tion, our judging, as performed by our judges and as endorsed by our ex-hibitors, is too often untrustworthy in the light of the above objective.

### What the Results Show.

If the above thesis, the relationship between type and production with the opportunity in its full recognition, is sound, it should be possible to confirm sound, it should be possible to confirm it to some extent at least by results thus far obtained. Among our high producing cows as a whole we should find similarity in the essential' fea-tures of type. A brief investigation will supply the answer. The simil-arity in pronounced features and the conformity to a siven true that can conformity to a given type that can be observed in the leading represen-tatives of the different breeds is most remarkable. In such a group are included many of the best individuals of the breeds. That this fact is pot more widely advertised through the show ring records is because no sh anow ring records is because no show ring opportunity, has been afforde<sup>2</sup>. More recently the show ring can loaim increased numbers, so that in both categories and in spite of Landi-cap the ideal is asserting itself. Our record men will do well to jam-per their ideas with type considered.

per their ideas with type considera-tion and our show men will do well to focus their judgment on indicative performance

### THE SHEEP FOLD

#### Wintering Ewes

AST year we wintered 12 ewes AST year we wintered 12 ewes, one ran and 20 lambs. They were all Shropshires. It makes however, for the same methods of handling and feeding apply equally well to nearly all breeds. Next winter we expect to carry over 25 breeding ewes as there is no other line of live stock on the farm that gives better returns for the money invested, feed consumed, housing required and labor expended.

During the late summer and fall their pasture was mostly roughage their pasture was mostly roughage in the form of weeds and coarse grass, gleaned from the grain fields winter quarters in surprisingly good condition. If even are in a fair con-cition in the beginning of the winter and given tha richt kind of hav they dition in the beginning of the winder and given the right kind of hay they can be carried through with but very little grain. All depends upon the kind of hay or other roughage used. It has been our experience that leasens whereas for sheep. Nothing else

as a roughage for sheep. Nothing else approach them in value. Timothy, red top and blue grass are coarse stemmed, have few leaves and therefore are a poor feed for sheep. Timo thy hay especially is undesirable; it is unpalatable and causes serious cases of constipation. The chaff works into the wool of the ewes, lessening the value of the clip and causes ir-ritation to the skin. When forced to ritation to the skin. When forced to use timothy, we have found that it was necessary to use some supple-mentary feed to keep sheep in good condition. Linneed meal and outs fed in small quantities together with hulped turings, improve the ration of ied in small quantities together with pulped turnips, improve the ration of timothy hay. Linased meal furnishes some protein and counteracts the constipating effect of timothy. We have had good success feeding one-quarter pound linseed meal, one-half pound oats and two pounds roots daily

### December 5, 1918.

to ewes when feeding timothy hay. Last winter our even did not re-ceive any grain until the middle of March or about four weeks before the lambing period. They were given a fairly liberal feed of red clover hay night and merning. At noau they re a fairly liberal feed of red clover hay night and morails. At now they re-ceived a light feed of good quality oat straw or pas atraw, and about two pounds of pulped turnips each. The moraing and noon meals were given in racks in a sheltered corner of the barayard, some distance from the exercise every day, which is absolu-ily essential in securing a good crop. ly essential in securing a good crop of lambs.--C. E. McD., Temiskaming Dist., Ont.

### Breeding Ewe Lambs

MANY new flocks of sheep have been established in the past year or two. Beginners in the business are very often in doubt as to whether it is advisable to breed ewo whether it is auvanuete of preed even lambs. To these I would say that it is the very worst thing to do. It would be just as feasible to breed a yearling helfer. I have never met prominent sheep breeders who would aven this of doins can be a third even think of doing such a thing, no matter if the flock be large or small,

The reasons against breeding ewe The reasons against breaking two lambs are obvious. The sheep makes its greatest growth during the first year and a half of its life. When a lamb is bred it is obliged to take up a mother's duties. Consequently its growth is checked and she will never Consequently its growth is checked and and will never attain the size she otherwise would. During the periods of gestation and nursing, which total about 13 months, the swe lamb has had no chance to The percentage of lambs raised from yearling ewes is generally very small. Nature has not yet pro-vided her with sufficient development and energy to perform the functions and energy to perform the thickness necessary to breeding evers. It is a very poor practice to breed eve lambs, even if they are well develop-ed and fed. I have often seen strong, well developed flocks of sheep de-there are the set of the s teriorate in the course of three or four years by following this practice. Those starting anew in the breeding those starting anew in the breeding of sheep, will be more apt to err in this direction. As the cost of breed-ing stock is considerable, they will ing stock is considerable, they will try to save money by breeding ees-lambs, thus hoping to produce sale-able stock at the earliest possib-time. The size of the individual a reduced, usually has a poor constit-tion and num much ranging and sitution and not much stamina and vigor tion and not much wool taken from sheep is at least one-third less per head than that from sheep whea were not bred as lambs

Successful sheep breeders generally breed their ewes when about a year and a half old. At lambing time they have attained an age of two years, and are developed sufficiently to perform all the functions necessary is becoming mothers.--R. A. J., Middle sex Co., Ont.

### A Stenographic Error

Some of the young ladies on the stenographical staff of Farm set Dairy are city bred and, wha they first come to us, exceedingly t norant of all things agricultural. For instance the following was dictated to

instance the following was dictated b a new stenographer: Pure bred pizs, first bioside Hé-stein, Ayrahire nane, White Lechem, Barred Rochad, Rhode Island Re-White Wyand and Rhode Island Re-The sealty typed letter handed or The sealty typed letter handed or pure bred pics; coid bloded holdin hairshear New Jersey bull calm; white wyanottes; white Lechem, Barred rock and Red Island cocket) and pullets. and pullets

Our English brothers are great fisciers. Probably more so that other country. France leans m so than 'an utility, while Canada and the Units States prefer a combination of be utility and fandy

For man leges has be are high in producers. learned tha supplement which conta energy.

December

For this your cattle, liberal prop SUC

The great net energy, lbs. as com midds at 59 lbs., wheat b 81 lbs. etc.

The best Beat Meal b palatable, an and mineral



### 5, 1918.

thy hay. id not remiddle of ks before were given glover hay ou they requality oat about two each. The were given rner of the e from the we to take is absolutea good crop emiskaming

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rliest possible is individual is a poor constitumina and vigor. yool taken from e-third less per sincep which bs. eeders generally en about a year

eeders generaly en about a year mbing time they e of two years, ifficiently to perns necessary to R. A. J. Middle

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ull blooded Ha Jersey bull calve. White Leghorm. Rhode Island Ref S.

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thers are great fatore so than any ince leans more in da and the Units imbination of bia December 5, 1918.

FARM AND DAIRY

<image>

### GET MORE BEEF FROM YOUR STEERS MORE MILK FROM YOUR DAIRY COWS

For many years, our Agricultural Colleges hasbeen urging that cattle feeds which are high in protein, are valuable as milk producers. Recently, however, they have learned that feeds rich in protein must be supplemented in the ration, by feeds which contain a high percentage of net energy.

For this reason, no matter how you feed your cattle, the ration should contain a liberal proportion of

### SUGAR BEET MEAL

The great value of this meal lies in its net energy, which is 75 lbs. in each 100 lbs. as compared with standard wheat midds at 59 lbs., wheat flour midds at 75 lbs., wheat bran at 53 lbs., gluten feed at 81 lbs. etc.

The best authorites recommend Sugar Beat Meal because it is so succulent and palatable, and possesses valuable laxative and mineral qualities. Cattle relish any balanced ration in which Sugar Beet Meal is used. Its effects are very similiar to fresh June Grass, which, though low in protein, stimulates the milk production of the dairy cov.

A balanced ration feed should weigh not over 4 pounds to a 4 quart measure and, at the same time, should have approximately 20% crude protein or better. The only way this bulk can be obtained is by the use of such a feed as Sugar Beet Meal.

For Young steers, Sugar Beet Meal is especially desirable. Experiments on Government Farms show that it greatly quickens their growth and shortens the period necessary to prepare beef for the market.

Guaranteed Analysis o' Sugar Beet Meal: Protein - not less than 8% Crude Fat - not less than 5% Crude Fibre - not over 23% Sugar and Starch Carbohydrate not over 60% In former years we sold a large quantity of our Sugar Beet Meal in the United States where farmers have learned to appreciate it highly. We have been offered as high as \$45,00 f.o.b. Chatham, and we could easily dispose of our antire output at that price. But in order to introduce this valuable type of feed to the farmers of Canada we have decided to fix the price at the extremely low figure of \$35,00 per ton f.o.b. factory; the containers to be returned to us.

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FARM AND DAIRY 

1342

December 5, 1918

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### TI eates tha

dmission While actory fuel pur sturally of such the Record cows are vay to th to about \$

At the O straigh which had third calf He stood first Reserve Gra eveloped f

In 1917, 1 and the Chi nternation the Shortl fourth s at C the Record o The ssibilities o and milk. We are asl

the fat. straight Englis Scotch sires, sires, and 15 or more straig ook, but the l tain the beef or The dual pur

a rival of

1918

### FARM AND DAI"Y The Dual Purpose Shorthorn in Canada

cates that the breed has justified its admission to the Record of Performance

While the milk records may be sat-While the milk records may be sat-lefactory from the standpoint of a dial purpose breed, the question will mairrarly arises as to what the progeny of which cows is capable of doing in other production. Owing the standpoint production of the short of performance it is do not he Record of Performance it is do not cuit to secure definite information re-sarding their progeny. The more so Chit to sectre dennite information re-garding their progeny. The more so because the calves of high producing cows are so valuable for breeding purposes that few of them find their way to the butcher. A few cases, however, may be cited as throwing

however, may be cited as throwing a little light on this question. Recently a Pennsylvania steer, a year old, from a dairy Shorthorn cow, sold at: 17c a pound, which amounted to about \$136. He dressed 53% per cent, which is a good percentage for a

At the Ontario Agricultural College, At the otherio Agricultural Conege, a straight South Shorthorn cow which had nursed her first two calves produced 6,000 lbs. of milk with her third call. This third call was a steer. He was fitted for show, and stoof first in his class at the Ontario Provincial Show and was first and Reserve Grand Champion at the West Toronto Show. Had this cow been developed from the start, she would made a better showing as milker.

miller. In 1947, Mr. T. A. Rüssell showed three steers at the Toronto Exhibition and the Chicago International. One of these steers was champion at To-ronto, and second in his class at the International. He dressed 65.45 per cent, a higher percentage than tho International Grand Champion steer is Grand Champion steer or the Grand Champion car-load. Anof the offant changed and the charged and the offant of the set steers won his class at Toronto and London, and stood sixth in Chicago, while the third steer was ond at Toronto and London, second second at Toronto and London, second in ha Shorthorn specials at Calcago, and fourth in the open class for grades at Chicago. These three high class steers have five half-sisters in the Record of Performance, one four-year-old, two three-year-olds, and two managed. These pressures ivo-year-olds. Their average annual production is 7,895 lbs. milk, and 309 lbs. fat. These facts will indicate the possibilities of the Shorthorn for beef and milk.

We are asked very frequently what families or strains of Shorthorns are most noted for milk production. An analysis of the blood lines in the Record of Performance shows a great variety in breeding, and indicates that ood milkers are likely to be found in any herd where attention is paid to milk production. There are 20 cows, three years old or over, in the Record 400 lbs. fat. One of these high pro-ducing cows is straight Scotch, one is straight English, eight societ, one is straight English, eight are by straight Socieh sires, allee by Socieh topped sires, and 15 out of the 20 have one of more straight Socieh sires in their pedigree. It may be added that 16 of the 20 trace to browned. We study the socie of the socie of the society of th peagree. It may be sauce that 10 of the 20 trace to imported English bred cows recorded in Volume 1 of the Herd Book, but the large amount of Scotch blood in the pedigrees of these high producers suggests possibilities in connection with the use of Scotch buils. To emphasise this point we might add that 25 Shorthorn buils have two or more daughters in the Record of Performance. Of these buils 20 are straight Scotch, and five bulk. 20 are straight Scotch, and five are Scotch topped, which would abow, therefore, that no breeder of dual pur-pose Shorthouse ared be discouraged if he cannot obtain Singlish dairy breed hells, provided he will pay some at-tention to the milking qualities of the fame of the bulk he selects. This Scotch blood will also help to matri-tain the beef end of the proposition. The dual purcess Shorthorn is not

The dual purpose Shorthorn is not a rival of the strictly dairy breeds,

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(Continued from page 6.)

and should not be regarded as such There are many farmers in Canada who through circumstances, location, inclination or other canada sol inclination, or other causes, location, inclination, or other causes, do not wish to make dairying a special fea-ture of their business but who require cattle to make their business profit-able. The second seco inclination, able. These men want to raise good steers for beef, and also to have cows steers for beet, and also to have cows which will supply the home with milk and built supply the home with milk into extra butter which helps out with the buschold expenses. The unain objet, however, is beef produc-tion and perhaps only a few cows are enough milk to make it worth while or milked but these cows must give enough milk to make it worth while or milk the maximum and while not known by that name, is shorthorn has been linking just such a place upon thousands of farms for a great many years. The htting just such a place upon thousances of farms for a great many years. The dairy breeds have a very important place to fill, but, as already pointed put, every farmer cannot be a dairy, man, so that in the future, as in the past, we will find the Shorthern play ing a very important part as a pro-ducer of wealth in this country by its aucer or weakin in this country by its consistent performance as a beef and milk producer. The Shorthorn has carned for itself general recognition as "The Farmer's Cow," and so other bread have been able to dispute breed has as yet been able to dispute the title.

### FARM CHATS

#### The Go-By

H. Percy Blanchard, Hants Co., N.S. N every farm there is work to do:

and generally more work than is accomplished. Possibly it is beone plans on the cause one plans on the supposition that there are six fine days in every week; and then, when the rain comes, that day's work goes into the discard; or, it may be, that day's work is done on the morrow, and something else suffers.

It is interesting to watch one's self and see, first, what job one is inclined to give the goby; and second, what, after mature consideration, does to give the gooy; and shound, what, after mature consideration, does actually get the goby. Of course other things being equal, there is a tend-ency to put the extra work, or give the eucy to put the extra work, or give the benefit to some special field that is the basis of an experiment; or in which one has taken a special inter-est. It is a case of the slick calf get-ting all the milk. Our Canadian farmers, as a rule, are outputs to the slick calf get.

extensive rather than intensive farm-ers. Their mind goes to the big field. Ten acres in cats mean far more to them than the few rods square full down to the figures and them right down to the figures and they double finally admit there is performed and the profit in the small field is contons or ceiery that they have a dout the figure in the big square of cats. But it is come-ally?" for the cats. But it is fine patch of strawhering. Their produce sold for well over \$100 a year: and it was cold cash. But it is as the job of my life to get a house to have to have to be produce to the set as the produce to the set as the produce sold cash. But it was the job of my life to get a house to have to have to produce to the set as the produce to have to have to be produce to the set as the produce to have to have to be the set of the set as the produce to have the set of the set as the produce to the set as the produce to have to have to have to be the set of the set as the produce to have the set of the set as the produce to the set as the set of the set as the set of the set of the set of the set as the set of Ten acres in oats mean far more to

job of my life to get a horse to keep those berries cultivated. It is differthuse perries cultivated. It is differ-ent now; for the pony is available for that kind of work. But as a general rule, it is the garden and the small fruit that get the go-by. It seems use fruit that get the goby. It seems use-less to point out to the mood man that unless the table carrows and beens and parsnings, and result, and beens proper cultivation he will present after on his dinner plate. It is mater ally a case of "inst as soon as we were the so-and-so done we will attend to it;" and the supper bell always rings first.

The beginner will have a hard road to travel if he lacks patience, perse-verance, pluck, enterprise and capi-

### Stable Your Cattle "The SUPERIOR Way" AND INCREASE THE PRODUCTION OF YOUR HERDS

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Not only is there an enormous market for Dairy Products. The millions of cows slaughtered for beef throughout European countries

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Series. Sanitary milk and its hyproducts are the nucleus of the food supply of the human race, and the present and future possibilities of the slook and dairy industry in Canada looms to gigantic proportions-from a standpoint of home consumption and the demands of the Euro-pean markets-brought about by the great war.

It is up to the Stock and Dairymen of Canada to increase their herds and produce a product of high quality and make a bid for this great

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I have prepared a new book full of valuable data to the Stock and Dairymen. This book explains fully the most Modern and Practical Methods of Building and the successful accommodation of all stock. If you wish to increase your production, your earnings, broaden your bank account and your opportunities, write for your coy. It will be sent to you free. Send now. Write me personally.

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Dairy Matters of National Importance Dealt

### With at Ottawa (Continued from page 12.)

to form the eastern executive and the men from the west the western execu-tive. The eastern executive will deal with matters which are of interest to the castern district only, and the weat-ern executive will deal with matters which concern only the western dis-trict. When matters of mutual interest are to be considered both the eastern executive and the western exthe same time ecutive will meet at and communicate by wire.

This report was unanimously adopt The delegates from the differe provinces were asked to get together and appoint their representatives in the Council in order that a preliminary organization might be formed.

The Council Formed.

At the closing session Mr. Stone-house reported that the following had been named by the delegates to the conference as representatives of their respective Provinces on the council British Columbia: E. W. Clark and W. Clark and Hish Columbia: E. W. Clark and H. Shannon, Cloverdale. Alberta: T. Love, Edmonton; P. Pallesen, Igary, Saskatchewan; O. W. Anderson, Humbolt, and A. H. Salmon, Man.toba; W. J. Cumutings and Area. McKay, Winnipeg. Ontario: E. H. Stonehouse, Weston; Mac. Robertsau, Belleville, Quebec: James Winter, Ormstown; J. B. Vincent. New J. Cummings and E. H. Denerine, Guever, Wilcent, New Ormstowni, J. B. Vincent, New Brunswick, P. Simmonds and W. H. Huggard, Nova Scotia: H. Faulconer and D. W. Murray. Prince Edward Island: J. W. Jones and J. T. Proliti. Decrementations of the various of the various Representatives of the various branches of the dairy industry were appointed as follows: Cheese: J. P. Cox, F. Boyes, W. Olmstead, W. W. Cox, F. Boyes, W. Omstead, W. A. Prevey, Butter: J. Pare, Que.; W. G. Medd, Simcee, Ont.; W. A. Wilson, Regina, Sask. Milk Distributors: J. Regina, Sask. Milk Distributors: J. J. Joubert, Quebec: J. Bingham, Ot-tawa J. M. Carruthers, Winnipez, Wan, Milk and Cream Producers: A. P. Hilhbuss, Quebec; R. G. Legscu, Newboro, Ont.; J. W. Berry, Langley Prairie, B.C. 10e Cream: J. W. Car-tole, Calgary, Alberta; W. J. Foster, Hamilton, Ont. Condensaries: Repre-gentatives to be named. sentatives to be named.

Officers. The Council elected the following officers: President, E. H. Stonehouse, Weston; vice-president, A. Mc Winnipeg; eastern executive, E. A. McKay Winnipeg; eastern executive; E. H. Stonehouse, P. Boyer, Dorchester; J. Pare, Coaticooke, Que; J. Bingham, Ottawa; J. W. Jones, Charlottetown, D. D. W. Western executive, A. McKay Winnipeg; P. Pallesen, Calgary; J. W. Berry, Langley Prairie, B.C.; O. W Anderson, Humbolt, Sask.

Anderson, Humbolt, Bask. The appointment of a permanent sceretary was left to the executive. In the meantime Mr. G. A. Putnam, of Toronto, will act as secretary. Mr. Putnam did good work on the committee.

#### How Financed.

The following resolution regarding finances was passed: "That each dele gate pledge his Association for \$100 and the executive will apportion the expenses of the Council later." It was decided that each member of the Council should pay in \$10 at once and the balance of the \$100 on or before February 1, 1919.

There was a good deal of discussion over whether or not the Council should seek an annual grant from the Dominion Government. A number of the members were opposed to such ac tion, taking the ground that the Coun-cil would be more independent if it was free from government assistance was finally decided to ask for an initial Government grant of \$5,000 to be used for organization purposes only, this grant to be made available within sixty days. The individual members pledged themselves for a total of \$3,400.

Dairy Commissioner Ruddick com plimented the committee highly on the results of its efforts and expressed the

view that the Council will have spleadid opportunities for accomplishing valuable public service. He seemed to think that the grant to be asked for would be granted

The Grading of Dairy Products.

W HERE dairy products in Canada are graded at all it is by Pro-vincial standards, and these standards vary widoly. The unanimous opinion of the dairy authorities an-empiled at Ottawa was that we have sembled at Ottawa was that we have Dominion-wide standards for such pro Dominion-wide standards for such pro-ducts, such as cheese and butter "When our butter goes across to the Old Country market it will not be known as Alberta butter or Eastern Townships butter, or Ontario sufter," fenanked J. H. Scott, Ontario's of-fectat butter grader. "It will all be remarked J. H. Scott, Omarko's official butter grader. "It will all be known as Canadian butter, and I be-lieve we should have a uniform system of grades on which this butter will be sold in the export market.

P. W. McLagan, of the firm of Lovell & Christmas, Montreal, spoke from the dealer's viewpoint. "We tron the dealers, viewpoint. "We want to get away from the Provincial basis and present our whole product in Great Britain as Specials, No. 1 or No. 2 Canadian butter or cheese, as the case may be, In realizing the ideal of pational greater would be a first the second of pational greater would be a first the second of pational greater would be a first the second s the case may be, in realizing the ideal of national grades we must have of necessity uniform ideas of grade, par-ticularly as to flavor in all of the prov-inces." Mr. G. G. Publow spoke for Ontario. Said he, "One standard should be set for the whole Dominion and the came standard should be held and the same standard should be held good for all seasons of the year. Fine cheese can be made in every month of the season.

You will strengthen the hands of tou will strengthen the hands of the produce merchant," said Mr. Hodg-son, of Montreal, "if you give him one definite system of grades to hand on to the Canadian consumer, as well as to the export market. At present, with a great diversity of grades, it is impossible to educate consumers to ask for certain classes of butter or cheese. With uniform grades, con-sumers would be asking for what they

The was only fitting that Mr. C. Marker, who has done such splendid work in introducing the grading sptem into Alberta, should have opened this discussion. Mr. Marker reviewed the work that has been done in Alberta the improvement made through grading both the butter leaving the creameries and the cream leaving the farms. At first he had only two grades for butter in Alberta, first and second. They soon found that there was to much variation within the grades and the trade was willing to pay more for the trace was witting to pay more for the same grades from some creameries than from others. Accordingly, a high ass known as Specials was added. er chas known as Specials was added. Mr. Bourbeau, Inspector-General of Quebec, told of their grading work with cheese in his Province. They started first in 1911 with thirty fas tories and now have over 500 factories grading their cheese. Taking the first hundred factories to adopt grading. Mr. Bourbeau was sure that he could show as great an improvement in Quebec cheese as Mr. Marker could show for Alberta butter. The follow ing is a summary of his work:

 
 Ing is a summary of file work:

 Boxes. Specials. No. 1

 1911...78,000
 20,000
 36,000
 22,000

 1916...132.000
 64,000
 48,000
 18,000
 These figures show a marked im-provement as a result of grading provement as cheese and selling it according to grade. Mr. A. Trudel, manager of the grade. Mr. A. Trudel, manlager of use Co-operative Society of Quebe Cheesemakers, through which the cheese is graded and sold, profess binnself a firm believer in the pri-ciple of grading and the sale of the arcduct by auction. He, too, would ciple of grading and the too, would product by auction. He, too, would prefer to see Canadian grades et tablished in place of the varying Provincial grades now in use. J. H. Scott, speaking for Ontario, st.

### December

mitted that made in the Province. I creameries 1 products gra disappointme creameries i prove the qu the grading. entered butt but the sam experienced This was due dealers not 1 ment to buy ( grading syste ss of a joke is there to he when changin

a change in A special of C. Marker, W. P. W. McLaga del and Georg ed to report The recommendation lished in full i and Dairy. U judging butter suggested. Commission

that copies of cards should h of the various other organiza terested in th assistance of t vision in getti tion. It is proand butter exh ing annual conv and Western C sociations will going system of Compulsor

R. F. TORI rector-Gen liscussion compulsory pas by-products to read of tuber He showed that large abattoirs a out of 2.129.682 them 19 per cent senting a loss guard against s wer prices for packed estimate farmers equaled the losses incurr the hogs alaugh added to the fo exceed \$500,000.

Dr. Torrance s among hogs is in percentage of in ing increased fro 470 in 1918, or or ther reference to made later in Fr Growing out of dress the follow

adopted unanimou Whereas tube shown by statist from year to year erious losses to and whereas this derived almost e culous cattle, ch hogs on unpaste ducts, be it

"Resolved, that factories hould be rendere surization or ste oval from such ng purposes, and mpulsory to pas dairy factory The following re pled, most of t mratively little di ause time was lin use the delegate reed in their vie

Oleoma It was moved by nded by B. A. That whereas the

### 1918.

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ducts. Canada by Pro-d these ities aswe have we have such pro-d butter as to the il not be r Eastern o butter," ario's of and I be-rm system ter will be

e firm cal, spoke "We oint. "Wa Provincial le product s. No. 1 of cheese, ng the ideal grade, par-of the provspoke for e standard le Dominiou ould be held e year. Fino

he hands of id Mr. Hodggive him one to hand on r, as well as At present, grades, it is of butter or grades. for what they

that Mr. C such splendid grading systemed rker reviewed ione in Alberta made throu er leaving the am leaving the nly two grades rst and second. there was too the grades and o pay more for ome creameries rdingly, a high cials was adde ector-General of grading work They Province. with thirty fao-ver 500 factories

Taking the first adopt grading, re that he could improvement in r. Marker could The follow ter. The his work:

ls. No. 1 No. 2 00 36,000 22,009 00 48,000 18,000 w a marked im-mult of grading it according to al, manager of the ty of Quebet ugh which their ad sold, professed ever in the prin-d the sale of the He, too, would adian grades er

in use. ing for Ontario, st

### December 5, 1918.

mitted that little progress had been made in the grading of butter in his made in the grading of butter in his proximation of the state is appointment has held. One great disappointment has held. One great disappointment has held. One great disappointment has been appointed prove the quality of their pus to im-prove the quality of their pus to im-prove the quality of their pus to im-prove the quality of their pus to he strading. Thirtydee creater drop the strading. Thirtydee ansure to the desired butter for grading in 1013, but the state in some measure to the casers not living up to their agree-reading was been used when the system is there to be used while is seeded, when changing makes considered

is there to be used when it is needed, when changing maked conditions force a change in Ontario methods." A special committee consisting of O triker, W. H. South Mr. B Jurbeau, P. W. McLagan, W. A. Wilson A. Tru-el and George H. Barr was appoin-ted to report on grades and grading. The recommendations will be pub-lished in full in a later issue of Parm and Dairy Uniform score cards for judging builter and cheese were also suggested.

Commissioner Ruddick suggested that copies of the grades and score cards should be sent to the officers of the various exhibition boards and of ine various exhibition boards and other organizations likely to be in-terested in them. He promised the assistance of the Dominion Dairy Di-vision in getting them into circula-tion. It is probable that the cheese and butter exhibited at the cheese and butter exhibited at the approach-ing annual conventions of the Eastern and Western Ontario Dairymen's As-sociations will be judged by the fore-going system of points.

compulsory Pasteurization. Compulsory Pasteurization. R. F. TORRANCE, Veterinary Di-rector-General, led an interesting discussion on the importance of L<sup>-</sup> inscreasion on the importance of compulsory parteurisation of dairy by-products to prevent the rapid spread of tuberculosis among awina, He showed that the records of the large abattions showed that last year, out of 2,129,632 hogs slaughtered by then 19 per cent were diseased, repre-senting a loss of \$255,661. Packers and agained such losses by paying. senting a loss of \$255,561. Packers guad against such losses by paying lever prices for their hogs. One packed estimated this loss to the farmers equaled 12 cents a hog. Were the bases incurred in connection with the bases incurred in connection with the base for foregoing fayures, tho total loss for the year would probably each other the part of the probably the provenge.

erceed \$500,000. Dr. Torrances said that tuberculosis among hogs is increasing rapidly, the percentage of infected animals mar-hg increased from 5,970 in 1910 to 13,-'670 in 1913, or over 100 per cent. Fur-ther reference to this address will be made later in Farm and Dairy... Growing out of Dr. Torrance's ad-dess the following resolution was sloped unanimously: "Whereas thereculose is ad-

Whereas tuberculosis of swine is abown by statistics to be increasing hown by statistics to be increasing from year to year and is now causing serious losses to Canadian farmers, and whereas this disease in swine is corried almost entirely from tuber-enious cattle, chiefly by feeding the base on unpasteurized datry pro-dats, be it

"Resolved, that the by-products of "Resolved, that the by-products of cheese factories and coreamerica should be rendered harmless by pas-teurisation or sterilization before re-moval from such factories for feed-lar purposes, and that the Dominion Government be requested to make it as parposes, and that the foundation forenment be requested to make it compulsory to pasteurize or sterilize all dairy factory by-products." The following resolutions were also

opted, most of them with but com-ratively little discussion, partly beause time was limited and partly be greed in their views.

### Oleomargarine.

It was moved by O. W. Andreasen, sonded by B. A. Bull and carried, That whereas the Federal authori-as aw fit to temporarily admit the muthcture and sale in the Dominien

of Canada of oleomargarine; an whereas the only to relieve lood conditions during the present war; and whoreas and whoreas and arministice for the consideration of peace terms is now in force; and whereas on the successful conclusion of the war, conditions in the Do-minion will again become more hormal;

"Be it therefore resolved, that the said order be rescinded and that the manufacture and sale of oleo-margarine within the Dominion o. Canada again be declared illegal within six months after the date of within six months after the date or the declaration of peace, and further that the National Dairy Council be consulted before any legislation is en-acted affecting the dairy industry in any way."

The Pasteurization of Cream and Dairy By-products. T was moved by Prof. H. H. Dean

IT was moved by Prof. H. H. Dean and carried, that "Whereas, bacteria under modern conditions of creanery builts-mak-ing, play so very important a scr built determining the flavor of the built which, is regarded as forming about one-half of its value; and whereas pasterrization has been found to be the most practicable means of conpasteurization has been found to be the most practicable means of con-trolling bacteria in milk and creasan thereby improving the fiave back keeping quality of butter; and whereas the expense of such pasteurization is not such as to prevent its immediate not such as to prevent its immediate and general adoption by creamery butter manufacturers,

ter manufacturers, "Resolved that this Dominion Dairy Conference hereby recommends the system known as pasteurization of milk or cream in the manufacture, of all butter made in Canada, and urges its adoption at once by all creameries which are not strongly creameries which are not strongly using this method. That standard temperatures recommended be at ica + 170 degrees F, holding for at least ten minutes, or 176 degrees F, by the "flash" method."

ten minutes, or no segrets 1. by the "fash" method." This resolution created considerable discussion. Prof. Dean suggested at first that the temperatures resolu-first that the temperatures resolu-mended should be 150 to 165 degrees. The western men considered these grees to a low for butter required for long shipment. Prof. Dean thought they were high enough for butter going into quick consumption, but was agreeshie to their being increased in the case of export butter or butter intended for long keeping. Finally in-was decided to accept the recommen-dations of the western men and sol-the temperature at 170 degrees. the temperature at 170 degrees.

### Payment by Test.

Payment by Test: T was meed by W. F. Stephen and payment by M. F. Stephen and payment of milk on the pooling with the payment of the pool with the payment of the pool with the payment of the payment on forame paces itself on record as payment of the well payment of the pay

as will oring steam payment of mine fine effect; Opposition to the passing of this resolution was expressed by Mr. T. A. Thompson, of Almonic, who said that while he approved of the resolution as being fair in principle, he knew the dary farmers of Eastern Ontario had not been educated in the matter to a point where they were willing to a point where they were not edu-gated and he like matter they should be, as it had he like matter they should be, as it had he he matter they should be, as of tests of spins amples, of milk of patrons of chesses factories made by

patrons of cheese factories made by Mr. Herns in 1917. These showed that 102 samples tested 2.6%; 94.2.7%; 349.2.8%; 351.2.9%; 1.222.2%; 859. (Concluded on page 27.)



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A. B. C. GINGULATION Farm and Dairy is a member of the Audi. Bureau of reculations. Our advertuees are therefore assured of uthendeated circulation at all times. Cooles of A. B. Statements and Audia se available on request. OUR GUARÁNTEE.

OUR QUARANTEE. We guarantee the subwriters who use the columns of Farm and Dairy, ou as one of our paid-in-add your loss provided the transaction, dorreported to us within a sup-due of this super limit with and the source meanth from dring of the super limit with the facts to partici-dring of the second to this contrast that weeks of the contrast of the second to the second to the other of the second to the term of the second to the second to the second to the term of the second to the second to the second to the term of the second to the second to the second to the term of the second to the second to the second to the term of the second to the second to the second to the second to the term of the second to the second to the second to the second to the term of the second to the term of the second to the second

The Rural Publishing Company, Ltd. PETERBORO and TORONTO

### Horses We Don't Want

HOISES WE FOR FUEL FUELT

were boing held at Canadian ports for supposed when the armshite was signed. If our governeeders of this cenary, they will not farmers and needers of this cenary, they will not portait the cale of these horses in Canada. It would be a case foll ever since the war broke out that would be a some foll ever since the war broke out that the same size of the set of the supression of the superlange. We a case of adults infut to injuty. Canadran farm-fors have fails ever in a square deal in the purchase of war horses. United States horses by the thou-sands have been plassing over Canadian railways to be shipped from market practically closed to them. We have not explosing over canadian railways to englishors to thi south, the opportunities that war effords of disposing of our choaper grades of horses and the market housand horses are to be disposed for a market which is already slow for this type of borse, values may be expected to reconstruction work across the Atlantic, then let them be taken back to the country from which they came. the country from which they came.

### On the "Accredited List"

On the "Accredited List" I is estimated by competent veterinariane that at least ten per cent of the dary herein of Canadi-are in whether correctly or not, we do not they into the whether correctly or not, we do not they into the whether correctly or not, we do not they into the whether correctly or not, we do not they into the whether correctly or not, we do not they into the whether correctly or not, we do not they into the opposition of the problem beed before the opposition of the problem beed whether the opposition of the problem beed into a subject to disease. It is quite possible that many good pure-bread, it is quite possible that has the breader, disease. What guarantee has the breader, disease in throducing new blood into a clean in throduce tuberculosis?

into a crean dresh, this along with the new block he may not introduce tuberculosis? At present he has no guarantee but the word of his follow meeter whom he purchases, and at-the time with the start of tubercular tests made at the time stale as a condition of the transfer may full the states there are now 54 here in the full task states there are now 54 here in a purchase steek with reasonable assurance that the animals purchased will be healthy. Then there as not the "accredited list," that is, the animals have passed two annual or three semistanyed veterinary inspec-tor of the Bureau of Animy of the central bureau is conducted cooperatively by the central bureau at Washington, the state veterinary authorities and

### FARM AND DAIRY

the breeders themselves. The purpose of the work is to eventually eradicate tuberculosis in pure-bred

berds. Such a plan can be carried out with a minimum of expense and it has the advantage of being syste-matic and thorough. Such testing as has been used in Canada, outside of British Columbia, has oeen promiseuous and irregular and little headway has been made in the eradication of bovine tuberculosis. We have need of an accredited herd list in the population Dominion.

The Fascination of Live Stock

THE FASCINGTION OF LIVE SUCCK THE man who has attained his life's objective is a to be pitcle. He has nothing further for which to work. He has been robbed the very joy of living. W. B. Lambkin, of Pertu Co., Ont., Iluu-trated this truth very interesting-fibe in Peterboro' for a chat. He told us of an of an who had re-tired from the farm many years before, visiting the home of a young man, who was just starting in far-ing. Everything about the farm was modern and home of a young man, who was just starting in farm-ing. Everything about the farm wordern and up-to-date. "My! my! but I would like to be a young man starting on a farm like this", would like old genituman. Then he added thoughthily, "A farm like this with a great big mortage on 14." There is one class of farmers, however, who are in no danger of losing interest in life once, the mort-ages he maid and the farm and buildings are in the

There is one cases or tarmers, nowever, who are in no danger of losing interest in life onc. the mort-ages is paid and the farm and buildings are in the "pink" of condition. They are the five stock breed-res. We call to min for weeks before hu animaly death. As a force Farm was acknowledged to be one of the first order farm was acknowledged to be of the first order farm was acknowledged to need the first Hallman's ideal. As a breeder also, Mr. Hallman's ideal. As a breeder the Hallmant had accomplianed much; but in this department he hold not achieved his ideal. His of a young man with his first registered animals in the stable. Ho had found, as thousands of others have found, that the farther one dives into the problems of breeding, the more interesting they be-come and the greater becomes the field inviting two be-tores man the greater becomes the field inviting two be-come and the greater becomes the field inviting two be-come and the greater becomes the field inviting two be-come and the greater becomes the field inviting two her investigation and experimentation. The man come and the greater becomes the field inviting fur-ther investigation and experimentation. The man with a good herd and a real extinuisant for feeding botter and still better animals, will never lack a worthwhile objective. Live stock breeding is the most fascinating department of the farming busi-

### The Food Controller's Advice

ANADIAN farmers have done well in the past C ANADIAN farmers have note well in the past for years; financially we mean. They have shared in the prosperity that has been general over all sections of the world not devastated by war. They frankly sdimk it. But they have not been unduly, favored and their position is not such as to firde a prequess for the simeet insulting atitude unduly, favored and their position is not saten as do afford an excute for the almost insuling atkinde adopted by Food Controller Thomson during the course of an address before the Live Stock Confer-ence hold at Ottawa recently. Mr. Thomson is reorted to have said:

"The farmer should stop complaining about the price of feed and the higher cost of labor. Let price of feed and the higher cost of labor. Let him pay these higher costs at once, and go on developing the business because early so high as the increase in price he has obtained since the war. He is coining money, and be greater he makes his output the greater, naturally, will be his profits."

as the increase continue money, and the greater has maken to output the greater, maintaily, will be his motion." Both The strengthen the impression already the inclusive money of the monitor of the problem the provide the monitor of the problem other classes of the community beyond the the product of the strengthen the impression already into the process of the community beyond the pro-ter classes of the community beyond the pro-ter classes of the community beyond the pro-persion of the community beyond the pro-bate table for the overrise have been realising repre-bate table for the overrise monitor the first state of the pro-lement of the state the strengtheness in every the strengtheness the strengtheness in every the strengtheness in the strengtheness in every real district. The far every well informed farmer house avery six knowingly employed more labor readers and the point and the states of the strengtheness in the strengtheness of a classing line allows the table of the oversite of a classes in every read district. The far every well informed farmer house aver six knowingly employed more labor readers and the point and the states of a classes to be the Food Controller's carping criticis for a construction of the state and the state profits and the states and the state and the state profits and the states and the state and the state profits and the states and the state and the state profits and the states and the states are profits and the states and the states or the beside of two alternatives - different and constru-tion of the practical profits and the states are an anagement of and the states are profits and the states and constru-tion of the practical profits and the states and and or the states are the states and the states and the states of states are the states aready and the states and the states of states are the states aready

### The Speculator Must Go

The Speculator Must Go The section of the sector of the se cause of laxity and rottenness in high paces in time past, have been able to get a correr on a large pro-portion of the good and accessible land. The result is artificially high prices for such land as can be purchased. Agricultural development is aimost at

a standedill. The plan by which the province hopes to compe-speculators to lot go was recently outlined by T. D. Patiello, Provincial Will vacant egroutural innis are badies append the owners required to list hem for max will be required to do settlement duting value, built of will the they will be subject to a super-list, which will be required to do settlement duting they will be competed to do settlement duting they will be competed to do settlement duting they will be competed duting and the subject to a super-tion, which will, in time, become so burgenome that they will be competed either to use the lands, we ure them to the government or settlement duting. turn them to the government or sell them to people

there is the government or sell them to people The back feature, or this plan is the provision for taxation. Properly used is though of tisself be suf-cient to free sains of its states, both peorincial and hands an anapproved tand values with, peo-tials land of the taxes, both peorincial and takes and of the taxes, both peorincial and takes and of the taxes, both peorincial and takes and of the taxes, both peorincial and traid, and besse are believed to represent a con-side taxe of been gotten from the government public domain. The very fact that the government is moving at al, however, is an indication of the taxet, in port at least, a condition.

### Support the Show Ring

Support the Show rung THE competition of the show ring has its trill and fancinations for every man, who loves line shock. We believe that correlated a hope that comehow, someday, haltes their architecture of the the comparison of the same successful does the comparison belief that a man must have a car load of attend the harger fails. That this belief is so common is unfortunate. Really, there is more than were thing with models himself in a howing a two and more publicity, as in a howing a two and more publicity, as in a howing a two and good animals then three in the theory whole acting with models the theory in the head of a site of the second state of the second common is unfortunate.

few real good animals than there is in showing a whole adring with medioerce individuals in the liten-The Holowing collector example of this. It was its greatest were been and the start Canadian N-tional were been and the start of the start Theorem 275 entries and 32 exhibitors. This provides a collector and 32 exhibitors. This provides a second the achieve a start of the schibitors. This provides a second the schibitors of the schibitor. represents an average of twelve animals are calls for. A good proportion of the exhibitors did both has half this number. Beveral had only two to for entries. Without the smaller exhibitors, hovers, the Holiston classes would have bein depirted if some of their best individuals. Mr. Noel Marhal of Ontario County, for instance, had just two entris. With one of these, the two-yearch trainer on the Abbekerk, he was first in a strengt two-year oid sol classg and a very strong competitiving illustration of the idea was afforded by the National Dairy Shee at Columbus, Ohio. The grand champion Holstein of the idea was afforded by the National Dairy Shor at Columbus, Ohio. The grand champion Hoista bull, Johanna Bonheur Champion Znd, was the on animal exhibited by Cherthuit Hros, of Kansa The had their one entry fitted in idea! show sh...e and secured with him the greatest award on the colle-ent. With heir one entry they accomplished new than exhibitors who had a full string of medice individuals.

individuals. The show ring is an educator, and those who pro The show ring is an educator, and these who po-fit most by it are those who complete. Even it is new exhibitor wiss nothing, he will learn much as will beip him at another time. An eshibitor wis showed for many years with poor success at ins-tells us that he never spent a dollar upprdiato in fitting and showing his cattle, even when he is not got a dollar of prise money. And now, wi her season of 1618 behind us, it is not too early is commider what we will do on the show circuit of fill Deces Da

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8.1%; 1 8.1%; 1 3.4%; 59 211, 3.8 4.1%; 41 7, 4.5%; 2, 5%. H by weight vealed h manifest carried p It was

tawa, thin need of t at the productio est factor of milk i large qui naturally problem Canada to unprofital from the "It is p sire is th

building u etter res ing a pro than by u table feat sires are i possible fo liable info producing nimals of many dair realize the knowing s cestors.

"Be it t the fact th bred dairy of the milk cow and as willing to p bred dairy able inform farmers of dairy sires milk produ herds, but the animals producing s

"We, ther special effor Schools, I Schools, I men's Conve avenues to ducers of C buying pure only the bro liable record duced by the fered for sal Carried.

In support tion Mr. Ban tained by the showed that where a con farmers stop bought pure

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It is wit announce Hoard, ser of Hoard's ernor Hos for many strongest dairying o the platfor never miss exalting ti pumping r dairy farm Dairyman he preach farm that He has fi the record him of tre service of seldom duy

### FARM AND DAIRY

### Dairy Matters of National Importance Dealt With at Ottawa

Continued from page 25.) 8.1%; i.632, 3.2%; 1.036, 3.3%; 1.288, 3.4%; i.653, 2.6%, 3.406; i.185, 3.3%; 211, 3.8%; i.8, 5.6%; 1.00, 4%; i.25, 214, 3.44; i.4, 4.5%; i.3, 4.3%; i.0, 4.4%; 7, 4.5%; i.4, 4.5%; i.4, 4.5%; 5, 5%, He daimed that to pay for milk by weight by the foregoing figures was manifestly very unjust. The motion carried practically unanimously. God Siren Needed.

### Good Sires Needed.

Good Sires Needed. It was mored by Geo. H. Barr, Ot-tawa, that,—"Whereas the greatest is the dark industry in Canada at the present time is the economic production of milk, and as the great-est factor in the economic production of milk is the cow that can produce is a statistics of milk and fat, it astarmally follows that the greatest problem confronting the dairymen of Canada today is how to eliminate the uprofitable or low producing cows from the dairy herds. "It is generally admitted that the

from the dairy herds. "It is generally admitted that the sire is the most important factor in building up a dairy herd and also that better results can be obtained by us-ing a properly bred pure bred sire than by using a grade. Two regret-tations are also and and also that there are used and a state of the prosentile for purchases it is im-possible for purchastion regarding is any producting qualities of the domine milk producting qualities of the domine of the stating is of the domine of the domine of the domine of the stating is of the domine of the d animals offered for sale; and that too animass oncred for sale; and that too many dairymen apparently do not realize the importance or the value of knowing something about the milk producing qualities of the sire's ancostore

"Be it therefore resolved that this Dominion Dairy Conference regrets the fact that many breeders of pure bred dairy stock do not keep records of the milk and fat produced by each of the milk and fat produced by each cow and are therefore unable or un-willing to provide purchasers of purc-bled dairy cattle with this most valu-able information, with the result that farmers often purchase purco bred dairy airse expecting to improve the milk producing qualities of their herds, but fail to get results because the animals are bred from low milk producing stock. "We, therefore, recommend these

producing stock. "We, therefore, recommend that a special effort be made by the Dairy Schools, Dairy Instructors, Dairy-men's Conventions and other suitable mens conventions and other suitable avenues to place before the milk pro-ducers of Canada the importance of buying pure bred dairy sires from only the breeders who can show reonly the breeders who can snow re-liable records of the milk and fat pro-duced by the dams of the animals of-fered for sale." Carried.

In supporting the foregoing resolu-tion Mr. Barr stated that figures ob the art, bar stated that figures ob-tained by the Dominon Dairy Division showed that in a certain dairy district where a considerable number of the farmers stopped using grade bulls and bought pure bred bulls at greater cost

#### W. D. HOARD.

It is with deep sorrow that we nnounce the death of W. D. Hoard, senier editor and founder of Hoard, senier editor and founder of Hoard's Dairyman. Ex-gov-ernor Hoard of Wisconsin was for many years one of the strongest influences for better dairying on the continent. the platform and in the press he never missed an opportunity for exalting the dairy business, or pumping the dairy business, or pumping more enthusiasm into dairy farming. On the Hoard's Dairyman farm he practised as he preached and conducted a ne preached and conducted a farm that is a model of its kind. He has finished his work and the record that he leaves behind him of tremendous effort in the service of others, is one that is seldom duplicated.

but without looking up the milk re-cords of the dams, the production of milk in the district had declined. This would not have been the case had the bulls been from dams having good re-

cords. Mr. Wincko described the good re-sults that had been obtained in Brit-ish Columbia from the cow testing associations. Not over two to five per cent of the bulks in the province now are grades. Recently one breader had recommended that ho cows should be registered that no treach a certain reasonable standard of production. standard of production.

standard of production. Market Investigations. It was moved by K. G. MacKay, sec-onded by E. T. Loc and Carried, that.—"Whereas the created in flat that.—"Whereas the created in the an extent that there will be a larger surplus of butter available for export in the immediate future, and in order that a product may be exported which will meet with favor in foreign mar-kets and there command the highest with these with lavor in foreign mar-kets and there command the highest market prices: therefore, be it re-solved that this conference of Dominion dairymen ask the Dominion Gov ernment to appoint a commission composed of butter experts to investigate the requirements of various ex-port markets and report their findings and recommendations at the earliest possible date"

possible data." Speaking in support of this resolu-tion Mr. Love said that most of our information about the demands of foreign markets, has come through the produce trade. Questions of votisitize content, grades and sait the produce trade Questions of moisture content, grades and sain mean dollars and cents to the pro-ducers. Certain markets domand dif-ferent qualities in their butter that on these points should be benefician on these points should be benefician Dairy Commissioner Ruddick moint-du that he had visited the open

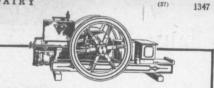
ed out that he had visited the Old Country several times to investigate these matters. The Government and had agents who report from tit to time on market conditions and re-quirements. Some of these agents, he pointed out, are not dairy experts. (Carried.)

### Releasing Soldiers.

On motion of W. F. Stephen, sec-onded by Jas. Winter, it was resolv-ed that,---"Whereas the war debt of of the great and increasing demand for dairy products, and whereas the Dairy Industry is badly crippled for want of suitable labor, therefore be it resolved that this Conference mem peace is practically declared, to re-lease at the earliest moment possible all soldiers in any way connected with all soldiers in any way connected with the dairy industry, which includes pro ducers, cheese and butter makers allers, encose and putter makets, milk distributors, and others, that they may return to their respective occupations and so he ready when naxi season opens for a big output of milk and dairy products." (Carried)

and dairy produces " (Carried) Taking Milk Samples. It was moved by P. Palissen, sec-onded by E. H. Stonehouse, and re-solved, that in fature the samples of milk and cream to be tested be di-vided into three equal portions, each properly sealed, one to be handed to the vendor, one to be tested by the municipality, and the third to be held for testing, by an independent author-ity should occasion require it." (Car-ried.)

ried.) The Conference was brought to a close by the adoption of a unanimous resolution expressing the thanks of the delegates to Dairy Commissioner's Raddick, Mr. Geo. H. Harr, and other members of the Dairy Commissioner's staff for calling the conference and for their valuable assistance in mak-ing the gathering the success it had proved.



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Ring s has its thrills who loves live y good breeder ned a hope that successful show-

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Agricu



UHE message of Christmas is love --God's love for us. The Spirit of Christmas is love,-our love for one another.

### No Room in the Inn By Mary Barron Washburn. now, this was Thursday, the day be

\*

fore Christmas, and she had ples and cookies to bake, doughnuts to fry, a kimono to finish for Bessie, a doil to

kimono to finisa for bessie, a doi to dress for Lulu, and some ornaments to make for the Christmas tree-so many of theirs had been broken last

year and she had not bought any new ones because she had read in a mag-

azine of a whole lot of charming ones that you could easily make at home. And she had not bought any candy for

the children's stockings because she had planned to make a dozen differ-ent kinds of home-made candies. And

T HE day before Christmas always found Mrs. Marshall, to use her own phrase, rushed to death. Each year she yowed that never again Each year she vowed that never again would she undertake any further pre-paration than could be easily com-pleted by the close of the preceding week, but each year her eager mind betrayed her into all sorts of fascin-ating little plans, the carrying out of which was not to run into the last which was apt to run into the last hours of December 24th. This year was proving no exception, and hav-ing packed the lunches and started the children off for school, she was the children off for school, she was hurrying through the morning work, impatient to be about the score of tasks that still awaited her.

"Christmas comes so late in the week this year that I did think I'd be ready for it." she said to her husband, as the lifted the separator discs from as also lifted the separator causes roug their scaliding bath and hung them one anall behind the stove. "but I do believe I'm more rushed than ever this time. There ought to be a few extra days for farmers' wives sand-wiched huto each week somehow."

"You ought to begin earlier or else not try to do so much," rejoined he, with easy masculine philosophy. Mrs. with easy masculine philosophy. Mrs. Marshall shut her lips tight and with difficulty forebore to explain. How could she have managed any better? She had begun her Christmas prepara-tions weeks before and utilized every tions weeks before and utilized every spare moment. No doubt Ben was right, she ought not to have under-taken so much, but it was too late to talk about that now. Porhaps the very root of the trouble lay in the fact that she had becun early. If she ad writed until the weak hefore had waited until the week before Christmas, she would have known that she could accomplish very little that she could accomplish very little and she would have attempted very little. But starting in as she had done, early in the fall. as soon as threshing was over, it had not seem ed to her that she was planning more than she could reasonable home to threshing was over, it has a not seen threshing was over, it has a not seen than she could reasonably hor was any time, any spare line prodictors er-forts als bad on the sease of the sease work for example diverse the sease there are a sease of the sease of the sease before any take the sease of the sease before any take the sease of the sease of the sease of the sease of the sease work of the sease of the sease of the before any take the sease of the sease before any take the sease of the sea he had taken down the receiver, she heard.

"Yes? Why, hello! Good morning. That's fine. Family well, I hope? No, the roads aren't so bad. They're drifted considerable up here in the the routes areat so one. They're drifted of course. Down on the bench trappose it's blown off quite a bit. Yes. No, you can get through all right. Yes, that was quite a slown relight. Yes, that was quite a slown always drifts pretty bad. Yes you have a gate-that coule by Willow's always drifts pretty bad. Yes you through on that ridge. Willow's bars. No. You'll see my track; I took the kids up to school ight way this morn-ing. You come right way this morn-ing. You come right my meadow to you'r north line. All right. Good-bye."

"It's Syd Westbrook," he said to his wife as he höng up the receiver. "He's bringing his wife and baby home this noraing and he 'phoned from North's to ask about the roads. He's a good deal of a tenderfoot, all right." Ho started out of the door and then paus-ed with his hand on the knob. "You wouldn't like to ask them to stop here till tomorrow, would you.

stop here till tomorrow, would you, Fanny? I guess they'd appreciate it. Fanny? I guess they a appreciate R. It's a pretty long drive for a three weeks' kid and its mother, and their house will likely be cold when they get there.

Mrs. Marshall was trimming crust from the edges of the tins with a practised hand, but she paused to fix upon her husband her indignant gaze.

December 5, 1918.

Bel great For Savio

Luke

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fencing and building, had no vary large part of his patrimony inft. Grace's family were culture was a solution to do people of the sort who is not their income, sometimes end all of their income, sometimes end all of their income, sometimes and the seight of aburdity and they area more than half impationt with building the solution communicating the thusian to for communicating the thus and for communicating the thus and the seight fencing and building, had no communicating that enthusiasm to Grace. Just what lure had led the Weatbrooks to invest their money and settle down to ranching in the foothill country, it would the composition of any Perhaps it of the land. Perhaps the way been a triffe more enthusiantic, a shade more convincing than the writers of all the other booster litere-ture over which they had pored for days and weeks before their design. Westbrooks to invest their money and days and weeks before their decision was made. It may have been the plo-tures of the really beautiful scenary -taken, of course, in the summerical scenario methy to the selection of the summerical leys of the entire Norther and similar scenario and the selection of the scenario scenario and the selection of the scenario rainbow trout." Perhaps in their meerst sould there burnes in their missionary zeal; had not the Gouring poople of intelligence and high ideals he taking up of farm life as a form the taking up of farm life as a form of social service?

or spoals service; For some reason the Westbrooks had not "hit is off" very well in the neighborhood. Perhaps at too fam-boyant notice in the county newspa-per of their first arrival was parily to blame for this. The editor was a co-lege acquaintance of Sydney's and when he met him at the county seat and learned the reason of his being thore his pleasure at counting aerose a and learded the reason of his cents there his pleasure at coming across a bit of the old life so unexpectedly took shape in a glowing paragraph in his paper in which he dwelt, particu-larly, upon the benefit conferred upon inity, spon the senent contervel upon the community by young people of such endowments coming to live in i. The men felt for Sydney all the dis-trust of the Westerner for the man from the East, of the old-timer for the pass-means. of the constraints the new-comer, of the experienced farmer for the book farmer, and the farmer for the book farmer, and the women seemed never to get any-where with Grace. The Marshall's land joined the Westbrook's at one-corner, but the houses were too far apart for neighborly running back and forth. Mrs. Marshall had gole with her husband, as in duty bound, to call upon them soon after their arrival the neighborhood, and while the mon shared out of doors and inspected the In mainborhood, and while the men-slayed out of doors and inspected the diverse. But Grace's living room with Grace. But Grace's living room with the three walls with their pholo-graphs of Mona Lias and Michael Ar-gelo's Moses and Radhie Peneur, was as allen to Fanny Marshall's eys, accustomed to a rag carpit and cheer was as allen to rain, managed and chee-failhaed wall paper, as could well be, and she felt ill at ease in the unfam-liar surroundings, and Grace seemed to her stiff and unsocial. She did not to her stiff and unsocial. She did not dream that Grace was not well hat day, and miserably homesick in con-sequence, and altogether the visit was far from being a success. Grace had never returned the visit, and this Mr. Marphall sugrestly computed The never returned the visit, and this Mr. Marshall secretly resented. They had met a leve times after that at church or sewing circle, but there had been no growing friendlines, no neighborly goesibilg over the phone othing to make either seem to the other more than an utter stranger. And until the county peet the birth at the hespitial in torm, of a son to nounced early in December the birth at the hospital in town, of a son to Mr. and Mrs. Sydeny Westbrook, Mrs. Marshall had not known that her neighbor had left home.

So when her husband suggested on this busiest of busy days that she ask the Westbrooks to stop over night, she had felt that nothing could be more unreasonable.

"The Westbrooks, of all people," she (Continued on page 32.)



some buttons off of the clean shirt waist that Freddie would have shirt waist that Freddle would have to wear that evening. Oh, yes, and she must not forget the crahberry sauce; she might have made that besauce; she might have made that be fore but Ben had not noticed oran-berries on the list when he went to town last week, so she had got them from the store only yesterday. Well, anyhow, the morning work was done and it was only 9 o'clock, and the and it was only 9 octocs, and the family could have a sort of pick-up dinner and suppor — nobody minded such things the day before Christmas -and now she would plunge into her baking and if she could get that all done by dinner time, she could surely manage the other things in the after She was glad Ben had found time to get the tree early in the week, time to get the tree early in the week, and that it was safely set up in the parlor befrom, the shades down and the door locked. The fire was all laid in the stove, too; she would need only to touch a match to it when she was ready to toting the tree. was ready to trim the tree. Her husband came in with an arm-ful of wood just as the telephone bell

"That's our call, Ben," she said, "you answer, please." And then when

"Ask them to stop here until to mor-row? Well, I guess not, with all I have to do and tomorrow Christmas. It int' two mlles from our house to theirs, and it he's got any gumplion, he's got a fire all ready to light, and how long will it take to get the house warm" And she turned back to her neatry hoard as her bashend left the pastry board as her husband left the

1

room. "The idea," her thoughts ran on; "it that wasn't just like a man." And he knew the only place she could put a guest was in the parlor bedroom and that the Christmas tree was the construction of the question and the

there, waiting for her to trim it. at was quite out of the question and the Weatbrooks of all people. Sydney and Grace Westbrook were young married people who had mov-ed into the neighborhood a little more than a war and her are college than a year ago. Both were college graduates and were vaguely rumored to have "all kinds of money." As a matter of fact, it was an uncle of Sydmatter of fact, it was an uncle of Syd-ney's, with a large family of his own, who had all the wealth of the con-nection, and Sydney himself, by the times he and Sydney himself, by the times he and hought his farm, some machinery, and a few head of good stock, and had done some necessary

stbrook ll in the too flam newsp partly to vas a col unty his being across a spectedly agraph in t, particu rred upor people 01 live in 11 the dis the man timer for xperience r, and the get any Marshall's k's at one g back and gone WID and, to cal r arrival in spected the visit with with room n furniture, anir Michael An n's Penseur, shall's eyes, t and cheer-ould well be, the unfam-race seemed She did not ot well that saick in con the visit was Grace had and this Mrs ented. They ter that at but there had endliness, no r the 'phone.

seem to the tter stranger. aper had ber the birth of a son , of a son to estbrook, Mrs. own that he suggested of s that she ask p over night, hing could be

all people," she se 32.)

The Upward Look

### Glad Tidings

Behold I bring you good tidings of great joy, which shall be to all people For unto you is born this day a Saviour which is Christ the Lord. Luke 2: 10, 11.

Sages leave your contemplations, Brighter visions beam afar!

Brighter visions beam and Beek the great Desire of nations, the bave seen His natal star. Come and worship! Worship Christ, the new-born King. —James Montgomery.

A HAVE read the story somewhere or ead that when Daniel Webster heard or ead Chalmer's great sermon on "The wond Chalmer's great sermon on "The wond his the telescope" his reason and his the telescope" his d, who created unnumber in systems of worlds, each revolving in systems of worlds, each revolving in system of worlds, each revolving in system the least of the planets and concern Himself with our betty careet. But the great preacher delivered another sermon, in which he dwelt on the wonders of the microscope, and show-ed with the rolled-up, withered leaf the least of the microscope, and show-ed with the cold, was a miniature tected from the cold, was a miniature world of life ready to awaken at the first break of spring. Then the great statesman concluded that if God could so care for the little insects that git-ter in the sun and protect them dur-ing their long winter sleep. He would not forget immortal souls; and so his faith saturand to him. tected from the cold, was a miniature faith returned to him.

takh returned to him. How much God cared for humanity, this Obristmas season more than any other tells. Who can measure the love that seost the Lord of Glory, "manifest in the fiesh," as the Babe of Bethlehem to stoop and assume our human form and become partaker of our nature? No wonder the heavenu) best on that far away night sang "tid-ings of great joy." The day for which creation had waited had at last dawn-ed. "Glory to God in the Huchest, and creation had waited had at last dawn-ed. "Glory to God in the Highest, and on earth peace, goodwill toward men." This was the most wonderful song ever heard by mortal ears, and these the most joyful tidings ever pro-claimed to the fallen world.

Joy is the prevailing note of the Christmas season. Good news always creates joy, and the greatest bulletin of good news ever published was on that night when the angelic host sang of the birth of the Saviour in Bethle

> The enduring reason why God can righteously proffer mercy to sinful men.

> > tany Mondy Bible Institute of Chica

PROCLAMATION #AMNEST

WHEREAS "He was wounded for our trans-gressions, he was bruised for our iniguities....and the low hath laid on hum the iniguity of us All Vieweb 2014

of us all," (Issiah 53:5.6

THEREFORE Let the wicked for sake his way.

and the unrighteous man his thoughts and let him return

unto the LORD, and he will

have mercy upon him; and

to our God, for he will

abundantly pardon.

FARM AND DAIRY

The states and

hem of Judea, and across the weary conturies of sin, war and bloodshed still floats their song of peace and joy Joy to the world the Lord is come.

Let earth receive her King: Let every heart prepare Him room. And heaven and nature sing.

To many hearts in our dear land to day this Christianas season may seem to hold little of joy. They will miss a familiar face and long for the sound of the still voice and the touch of the vanished hand at the Christianas table. Oh! stricken hearts look up. Christianas hath its message and its glad tid-ings of great joy for you. Has He led your dear ones on? Then all is well with them, and He has not forpoton you; and the same Jesus who came and years ago is waiting now to come To many hearts in our dear land to and years ago is waiting now to come into your heart, bringing with Him wondrous joy, comfort and peace, to sup with you and be your guest at the Christmas table. He comes sweet influence to impart,

A gracious willing guest;

While He can find one humble heart Wherein to rest.

Hear what He says: "Béhold I stand at the door and knock. If any man hear my voice and open the door Than near my voice and open the door I will come in to him and sup with him and he with me." Oh, wondrous condescension, who can measure it? It has been said that it is Christmas

It has been said that it is Christmas Day the holds time together, as it was to the holds time together, as it was to the holds the early world looked forwards. This is a the later world looket. This is a which we look backward to they with which we look backward to they with which we look backward to they our Saydor's birth is not greater the our Saydor's birth is not greater the the joy with which we look forward to the store, when we shall see Him "for to face," and the angel's song "to "to face," and the angel's together to be and the store the store the store the store and the store plote fully means the store the wards men shall at last find its com-plete fulfilment and war and blood-shed shall vex the nations no more, but peace and righteousness shall cover all the earth.

Their ancient splendors fling, And the whole world give back the song

Which now the angels sing."

This was the day that Isaiah, stand-This was the day that Isaiah, stand-ing on the mountain peaks of pro-phecy saw, the day when the wolf and the lion should dwell together and nothing should hurt nor destroy in the holy mountain of the Lord. It is the coming of this day that is the ghorious hope of the church, the hope of the christian, and the hope of the of the Christian, and the hope of the world

> CR055 \$ CHRIST

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This is part of the glad tidings of

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can School of Music, 56 Lakeside Building, Chicage

### FARM AND DAIRY

great joy that Christmas brings to us, and let us not forget that "this same Jesus" whose coming we celebrate in this happy Christmas season is coming again in power and great glory to set up an everlasting kingdom, and He who came once as the Babe of Bethlehem shall have the government upon He shoulder "and government upon His shoulder, "and His name shall be called Wonderful, Counsel-bor, the mighty God, the everlasting Father, the Prince of Peace."

Beyond the war-clouds and the red-dened ways. I see the promise of the Coming Days! I see His sun arise, new charged with

grace

Earth's tears to dry and all her woes efface

Who waits His time shall surely see Who waits his time constancy. The coming of His Constancy. Shall sweep the Powers of

Night away; And Faith, replumed for nobler flight,

And Hope aglow with radiance bright, And Love in loveliness bedight, Shall greet the morning light J. H. H.

**COOK'S CORNER** Economical Christmas Dishes

We are planning to have some-thing extra and at the same time do not want to be extravagant, it

do not want to be extravagant, it will be necessary to substitute some of the old reliable Christmas dishes with something "just as good." Be-low we give a few suggestions in the

line of recipes: Stuffing For Fowl

Boil and mash enough potatoes to almost stuff the fowl, adding but a small quantity of bread. Season with salt and pepper, one small onion chopped, one tablespoon butter and some chopped celery. Mock Pigeon

Mince finely together half a pound of lean beef and the same amount of pork by putting through a meat chop per twice; flatten out with a rolling pin. divide into four equal portions and spread each portion with forceroll each up tightly and form intent; ron each up tighting and form into the shape of a pigeon; use pleces of potatoes to form the wings and legs. Lay in a baking pan, and add a cupful of stock; basts frequently.

### Serve with currant jelly.

Forcement. Boil one onlos; drain, and chop finely; mix with it one cupful of bread crumbs, half a teaspontul of sage, popper and sail, add the yolk of one egg, stir and use. Forcemeat

one egg, stir and use. Mince Pie (Meatless). Cook half a cupful of rice in water unil soft; drain; add to the rice half a cupful of seeded raisins, half a cup-ful of currants, half a cupful of honey, two tablescenes of shaped compare 3 two tablespoons of chopped orange, a little lemon peel, one tablespoonful of ittle Temon peel, one tablespoonful of butter, and half a teaspoonful of mix-ed spice; mix well. Line a pie pan with pastry and fill with the mixture. with pastry and hit with the mixture. Cover with a top paste and press the edges together. Brush over with white of eggs, then dust with sugar and bake.

Roast Goose (Imitation).

Parboll one pound of liver, slice it into long thin pieces. thon Put a layer of mashed potatoes in a roasting pan, cover with slices of liver, then pan, cover with international stuffing, and again more liver and stuffing. Keep the layers in shape to resemble a goose. Cover all a a thick layer of mashed potatoes, baste every ten minutes with fat. Cover all with es, and

Christmas Cake (Eggless).

Sift together two cupfuls of flour ad two tablespoonfuls of baking and powder into a mixing bowl; add one teaspoonful of ground ginger and a little nutmeg; rub in half a cupful of butter or shortening; add half a cupfu of seeded raisins, half a cupful of cur cupful rants, two ounces of candied peel and

N D DAIRT half a cupful of honey: mix wall to evcher, adding a little milk if anoth-markes one cake; to make the store cake use two times and a half the unantity. Ice with holded honey lotag. Herb faurounces of back to honey lotage and mik it with one cupful of honey aritist is tablespoond of chopped particy, one tablespoond of chopped particy, one tablespoond of anopped particy, one tablespoond of anopped particy, one tablespoond of anopped particy one tablespoond of anopped participer and sail the state one expre-and add to the mixture with a little mik; mix well, and use.

### Christmas Candy

HRISTMAS would not be Christ C mas to the children without candy. In fact, the majority of the older folks look forward to hav-ing some sweets on that day also. If we are going to have candy at all it is much more economical to make it than to buy. Herewith are a number of recipes in which brown sugar or corn syrup is used.

### Butter Scotch.

Two cups brown sugar, four table spoons molasses, two tablespoons vinegar, two tablespoons water two tablesp spoons industry two tablespoons water. After this is bolling add one quarter cup of butter. Boll till it is brittle when dropped in cold water. Pour on to buttered pans.

Pinoche.

Pincone. One and hait cups brown sugar, hait cup milk, haif cup chooped nuts, haif teaspoon aimond extract, two tea-spoons butter. Pat sugar, milk and butter into saucepan and beil together until it forms a soft ball in cold water. Add nuts and flavoring and beat till it east blick: nour out on a greased gets thick; pour out on a greased plate.

Peanut Brittle.

One cup corn syrup, one tablespoon vinegar and a little water. Bolf un-til it forms a ball when tried in cold water. Then pour this over one cup of haived saited peanuts and stir corner the fire until the mixture be-comens a light brown shade. Take off and over o black to headen and pour on plates to harden.

Butter Taffy.

Two cups light brown sugar, quar-ter cup molasses, two tablespoons vinegar, two tablespoons water, seven-eighths teaspoon salt, quarter cup but-ter, two teaspoons vanilla. Boll first five ingredients until, when tried in we ingreatents until, when tried in cold water, mixture becomes brittle. When nearly done, add butter, and just before turning on to pan add vanilla. Cool and mark in squares.

Fruit Candy. One pound stoned dates, one pound figs, one pound seeded raisins, one pound walnuts. Mix above thoroughpound walnuts. Mix above therough-ly, put through meat chopper. Sprin-kle molding bosed with fruit sugar Roll mixture, cut in squares and roll each square in fruit sugar.

Favors Hot School Lunch "The Rural Hot Lunch," which appeared in the Household Number, "Just Me" has the following to say re-

garding hot school lunches: The rural schools, especially from s time forth and on through the

cold weather, need some system of giving the children at least a warm One of our teachers worked it drink out one winter and it was an unquali-I think the very first fied success. argument in its favor is that having a cup of hot cocoa will force the children to take the proper time to eat. dren to take the proper time to eat. Children, as a rule, are in such a hurry to get at their play, the "dry lunch" is disposed of in the quickest way possible. They are as likely as not to "eat as they run," very often throwing crusts away because it takes foo punch time to chew them. But if too much time to chew them. But if they have a hot drink they are bound they have a hot drink they are bound to linger long enough to at least chew their food, and even though they do jolt it about immediately after, it's one better than holling it and leaving the stemach to do all the work."







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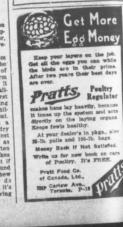
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During a pare apt to 1 still a strugg of people year it is we and to live fe kindlier f with greater is no fool

mas gifts (un of our meaus those we rec those we ma ceiving are gift constitut unselfishness. gift we can b ishes-just 1

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Of course. make happines go a long way ness. It doesn ter good wishe tell what may you know, are often they com wishing Home Club and and Dairy a ve mas.-"JUST N

Music-The OMEONE ha write the so care not wh The great mu music as "the mankind, by whi

made equally in on the other har ferent nations a Certain it is t music on the n The ideals, amb the race are rel expression, from tom-tom to the and cultured citi of the British p

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Keynote

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mas is the greatest holiday of all, and it is right that it should be so. Who ver we are, wherever we live and in whitsoever station of life we find our retree, we will celobate Christmas in service, we will celobate the service of the solid area of the solidaring of 2,000 years and fellowide celosate the bond of sympathy and fellowide celosate the bond of sympathy and fellowide celosate the bond of sympathy and service of the solidaring of the basis was and the bond of sympathy and fellowide list the transfer for apt to forget this. Existence is strong to forget the strong the service self-forget these strong the self of 24 hours at least, with a with greater self-forget lands. The solid forget the strong the set of the loss carried on in excess those we receive, and can ill afford those we receive, and can ill afford these the receive self while. The self constitutions carried on the least good the self set of the least good strong the least good strong the set of set would be that are need word with set.

A funny Christmas it would be Without a wish from me to thee; Without a wish from thee to me, A funny Christmas it would be.

Of course, wishes alone cannot make happiness, but they can, and do, go a long way-toward starting happi-ness. It doesn't coat anything to scat-ter good wishes- and you never can tell what may come of them. Wishes, you know, are very much like birda-often they come home to roost. So, here's wishing every member of the Home Club and every render of Farm and Dairy a very, very happy Christ-mas.--"JUST ME."

Music-The Universal Language

 $S_{\rm care not who makes their laws."}^{\rm OMEONE has said, "Let me but write the songs of a nation and I care not who makes their laws." The great musician Liszt defined$ music as "the universal language of mankind, by which human feelings are mankind, by which human feelings are made cataly intelligible to all, while e the other hand, it offers to the dif-frent nations a universal language." Certain it is that the influence of matic on the vational life is great. The ideals, ambitions and culture of the face are reflected in its musical streaming. There is a second to be the second second second the second s the race are reflected in its musical expression, from the savage with his tem-tom to the most highly civilized and cultured citizens, "The strength of the British people to-day," said a

musician recently, "is due to the fact that for the past 200 years her great-est music has been made and offered in praise of the King of kings and Lord of lords."

While it is true that the influence. While it is true that the influence of music on the national Hfe is very pronounced, it is equally true that full for the home creates a wonder-ful refining influence upon the mean-ment of the influence of the mean the mean and fills as with a desire to go out and fills as with a desire to go out and set of the more nobly. Music in the home more nobly. Music in the home paramonship that lends contained uplifting associations and a scenaria uplifting mean fills a large place it is in the farm home. There are many city homes where the plano is While it is true that the influence

Jace it is in the farm house. There are many city homes where the piano is untouched for weeks at the be-cause there are so many other things to take up the attention of the majority of their evenings outside of the home. On the farm, however, there are not so many activities to call the young people elsewhere, and many delight-piano after supper dishes are washed, of course, in order to enjoy music, at least one member to enjoy music, at least one member to major the fail wut be able to play.

must be able to play. Every child who has any inclination for music at all, however, should be given an op-portunity if at all possible to receive a little musical training, as money in-vested in such training to

a little musical training, as money in-vested in such training is well senent. There is another point which is worth mentioning. Is it not too often the case in our homes that the musi-cal end of the home life is left to be voung folks. Father and mother may be ifred in the evening after their hard day's work, but if would gather the children around the plano for a sing occasionally, would this not be just as restful as sitting down to be just as restful as sitting down to be you sing enough? Is there not a

be just as restring as sitting down to read for an hour or two? To be sing enough? Is there not a tendency to leave all our singing for church or public gatherings instead of niking use of it around home? Would be quife as grey and heavy if we was a singer than we do? It is a pleasing more than we do? It is a pleasing more than we do? It is a pleasing as they work, and if taker and the young people hear her singing as they work. It is claimed that her new Navy building whistle there are singing as whistle the sing as they work. It is claimed that her new Navy building in Washington DC, was speeded up with an actual gain in transportation sung at work. Sing because the mos-sung at work sing the sing work gives new shall elser for work gives place which music should the ingre-place which music should be ingre-

place which music should fill, in order place which music should fill, in order that we may enjoy the refining in-fluence that makes for good fellow-ship and cheerfulness in the home and the desire for the higher things of life which money cannot buy.

THE EARTH HAS GROWN OLD.

T HE earth has grown old with it bur-den of cases But at Christmas it always is young; The heart, of the juwns lutarous and fair, jewel burns lutarous And its soul full of music breaks forth the song of the angels is sung.

It is coming, old earth, it is coming to night! On the soundakes that cover thy sod The feet of the Christ-Child fail gentle and white, And the voice of the Christ-Child tells out with delight That mankind are the children of God.

The feet of the humblest may walk in where the feet of the hollest have

This, this is the marvel to mortals re-vealed When the silvery trumpets of Christmas have pealed, That mankind are the children of God.

-Phillips Brooks.

When the oven is too hot, and there is danger of the bread burning on top, put a pan of water on the top grate until the oven cools down sufficiently.



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Please Mention Farm and Dairy when Writing



FARM AND PAIRY

(31)



of the Christmas Tras Origin By Marion Dallas.

HE Christmas tree is not quite so old as Christmas, though legends I of the use of the fir tree as a decoration go far back into pagan r.ge

There are several stories of how the tree as we now know it began. The the tree as we now now all these stories is most beautiful of all these stories is that of St. Winifred. St. Winifred most beautiful of all these stories is that of St. Winifred. St. Winifred was an English knight, who left Wessex in the eighth century to wander through the German forests and der through the German torests and preach the gospel of Christianity to all who would listen. One bright win-ter night he was riding through a for-est in Saxony with his few followers. when he came upon a group of men, worshippers of Thor, the god of thunder. They had gathered together

thunger. They has gathered together under a great oak to sacrifice a child, according to their pagan bellef. No sconer did St. Winifred come upon the scene than he rushed forard, rescued the innocent little vic tim, and, with mighty blows, chopped down the "Thunder-oak." As the great oak fell, St. Winifred discovered great oak fell, St. Winifred digeoversu at the back of it, standing green and erect, a young fir tree. Turning to those around him he cried:

"From this night this little tree shall be your holy tree. It is the wood shall be your holy tree. It is the wood of peace, for your bouses are built of it. It is the sign of endless life, for It. It is the sign of entries fife, for its leaves are ever green. It points to Heaven, and shall be called the tree of the 'Christ-child.'"

The Christmas tree was not univer sal till 1444. A tree was then set up in the middle of a payement and decked with ivy, as well as with other green leaves. From this use it was finally taken back info the house, decorated with candles, and eventually with anything that glistened and

ally with anything that glistened and enhanced its brightness. Tell the story of St. Winifred to the children this Christmas when they are dancing around the Christmas tree

### A Ruthenian Christmas

W E would be surprised if anyone asked us on what date Christ-mas came in this country. We probably think that Christmas is always celebrated on December 25th. Ruthenians: however, keep Christmas on January 7th. They are a people of Russian origin, of whom there is a colony in Western Canada. The Rus have not adopted the reformed calendar as our ancestors did a long time ago. The Russian calendar is now 13 days behind that of the rest of the Christian world; hence the Christmas falls on January 7th. The majority of the Ruthenians be

long to the Russian orthodox church. For 40 days before Christmas, or the Nativity as they call the festival, they Nativity as they can the bestival, they observe a strict fast. During this time they use no milk eggs, meat, butter or cheese. They eat fish, however, ex-cept on Wednesdays and Fridays, when only bread and vegetables are

eaten. Christmas festivities last for three days. On Christmas Eve a midnight service is held in the church. There are no easts and the people stand throughout the service, the men at the front and the service is the set he front and the women in the rear. ten in thinly settled country districts Andreater Pier Pier Pier Control Control

people drive' great attend the services that all cannot get in the building at one time. The bonfires are built outside and the wor shippers take their turn at listening to the service. When the long service suppers take their tarn at intening to the service. When the long service is over, the people break their fast with a breakfast of hard boiled eggs.

Christmas is a family day among the Ruthen'ans, just as it is with us. Af-ter a few hours' sleep, people gather at houses of friends for the Christmas relaberation. celebration. Ruthenians marry young, and it is no unusual thing for four or ven five generations to be represented at these fam'ly gatherings. There is always plenty of food, consisting of boiled fowl, roast pork, various pre-parations of sour milk and home-made cheese and soups, but no pastry or cakes. After dinner the men will sing cakes. After dimer the men will sing old Christmas songs to the accom-paniment of the balaiaka or three-stringed harp. One preity custom is the singing of Christmas carols by groups of little boys. These little fel-lows are from house to hunge ou lows go from house to house on Christmas Eve, singing carols before each door, and are rewarded with the gift of a few coppers, which they put in the Christmas collection for the DOOT

### The Legend of the Mistletoe

HE mistletoe plays quite an im-portant part during the Christ-I mas season, but many of us do not know just how mistletoe customs Scandinaviane claim that originated. they were the originators, but there is an English legend which dates back to an even earlier date.

According to the English legend, Chelm, an ancient Druid high priest, had a great temple in the forest, where he taught young men to be where he taught young men to be-come priests. So popular did this temple become that half the young men of the countryside were leaving their homes and people and becoming Druid priests. There was great need of the young men in the camps to bunt and fish and to plant, and, above all, and fish and to plant, and, above all, there were so many more maidens than young men left, that they de-clied something must be done to re-claim them. They sought an ancient witch and asked her help. Her advice was:

Pick yonder mistletce that grows without roots upon the trees, go to that edge of the forest round about the tree temple of Chelm and hang it there all around and about the forest. Stand in waiting there, well hidden, until the young men, coming forth from the forest each night to bring food to the temple, are under the mistletoe. Then step forth. They will clasp you and kiss you, whereupon you scream right lustily and young men shall be yours." the

The young maidens followed this advice and hung the mistletoe in festoons about the edge of the forest. Then, standing under it, the young men felt impelled to kiss the maldens who stepped forth to greet them. The maidens, as instructed, screamed lustily, and Chelm and other of the old Druid priests rushed forth, fearing their screamed by the screamed by their young men were being murder-ed. When the good old Druids saw their young men embracing the maidens they drove them away, for they would have no one among them who had anght to do with women. WWWWWWWWWW

And so through the peculiar in-fluence of the mistletoe the maidens won back the young men; but the cus tom of hanging up mistletoe was kept up and later, after the birth of Christ up and later, after the birth of Christ and the introduction of Christianity, the custom was added to the Christ-mas festivities.

### No Room in the Inn

(Continued from page 28.) ejaculated angrily, and went on with And then, just as she was her pies her pies. And then, just as sne was stooping to put the pies in the oven, whe seemed to hear the words. "There was no room for them in the inn." She shut the oven door with a bang

and then stood a few moments. thoughtfully gazing out of the window at the familiar was again beginning to sift snow slowly down. Then she stephed to the end of the back porch and rang the end of the back porch and rang the bell that huns there, then burried back to light the fire in the parlor bedroom. She was in the kitchen argain, setting potatoes ready for din-ner when her husband appeared in answer to her summons. "Well, Panny?" he said inquiringly.

"Well, Fainty? He said interesting about the West-rooks," she said, "I guess you'd bet r get them to stay." brooks.

"All right," he said heartily, "and now let me help you. Fonny, Four hands are better than two."

hands are better than two. Well, it was wonderful how much they accomplished that morning and what a good time they had doing it. Ben cut out cookies and fried dough nuts and bragged, man fashion, of the wonderful cooking he had done while was homesteading in his bachelor days. And Fanny, her worry and nerv ousness all dropped from her like a garment and she flew around and se the table and superintended Ben and made a couple of kinds of fudge and iced a lot of animal crackers for the Christmas tree and sewed the but-tons on Freddy's shirt waist, and even Christmas did a little on Bessie's kimono before they saw the Westbrook's pung rounding the corner of the woods at a quar-ter after twelve. And when they came up even with the house, she and Ben both ran out to insist upon ther stop ping over and one glance at the pale of the young mother made know that she ought not to go a step farther that any, and the look of utter relief on Sydney Westrook's face made her blush as she realized how nearly she had failed in simple neighborliness.

Once inside the parlor bedroom, she belped to unwrap the precious bun-dled up baby and said to Grace: "Now, Mrs. Westbrook, you're going

right straight to bed, and in a few minutes I'll bring you something hot



to drink, and if Mr. Baby has not had all the sleep he wants, Til look after Tarce was under confortable, soon while you rest. Tarce was under confortable, soon when he rest from the pillow only to eas brought from the pillow only to hear to be an only the same back of the pillow only to be and the system of the same back of the pillow only to be and the system of the pillow only to hear the system of the same back of the system of the system of the system the system of the system of the system of the system the system of the system of the system of the system of the system the system of the s

"I'm going over to the house now to see how things are and to get everything all ready to take the folks everything all ready to take the torks home to-morrow, and if it's more con-venient for you. I can stay there to-night just as well as not."

night just as well as not." "Stay there tonight, by yourself, on Christmas Eve?" said Mrs. Marshall with entire sincerity. "Why, no, in-deed. It's perfectly convenient to have you here and you must not think of anything else." anything else.

And then when Sydney had driven And then when Sydney had driven off, Ben came in and washed the dishes while she dressed Lult's dolt and finished Bessie's kimono. About here o'clock, Grace appeared, a charming color in her checks, and declaring she was perfect the term and never felt better in her life. "What a heanty of a tree in the bedroom," she said. "Your Christmas tree L sumces."

"Yes," said Mrs. Marshall. tree "We'll

"Yes," said Mrs. Marshall. "We'll try and got to at into the parlor, out of you while Ben and the parlor, out trim the entertainment." "I isn't he least in my way." said Grace, "but aren't you going to the entertainment?"

entertainment?"

entertainment?" "No. I guess not," said Mrs. Mar-shall slowly. She did want to hear Freddy say his piece and see Lulu in Freddy say his piece and see Lulu in the tableau. "No. I think I'd better bready say his block. I think I'd better the tableau. "No. I think I'd better stay home and trim the tree: It'll be so late when they get back."

"Would you care-would you let us -Sydney and me-trim it and you go the schoolhouse? We'd just love to

o it, if you wouldn't mind." Mrs. Marshall thought of here do store of ornaments-she hadn't had time to make any but the iced animal crackers-and hesitated, but her hus-

"Why, that's the very ticket. Mrs. Westbrock: that is. if it won't make you too tired." "Oh, no." said Grace gaily

make Sydney do all the work, and Fill just be head overseer."

Sydney drove un presently and Mr. Marshall went out to help him with his team and then they did the cheres together and when they came in sup-per was ready. Meanwhile, Grace had ound a number of things to de her hostess, the baby had wakened

taking root th "How lovels Mrs. Marshall that Christman how near the room for then Stock and Hon

#### Value o

REPORT Station gi esting sto

the cash value farm. A farmer in se found it necessa er clir te, was ing his farm farm one day ; theroughly and to his needs. H family to the f permanent hon they came to clo

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### esist, and able, soon

and been admired to even his mother's satisfaction, and the chil-dren had come home from school and been wild with delight at finding a been wild with delight at inding a bay established in the house. "Is he ours, Mother? Did Santa Claus bring him?" asked little Luiu. "He is ours to love, but not ours to keep," said her mother. "Santa he cuty her him to au". to keep," said ner motter. has only lent him to us." "Mr. Westbrook tells me." said Mr. Marshall as the men came in to sup-per, "that he has lived on a farm all the treest while he was at col-

December 5, 1918

yourself, on s. Marshall Vhy, no, in-ient to have not think of Marshal

had driven washed Lulu's doll ono. appeared.

cheeks, and actly rested er life.

"I just wanted you to look at the tree and see whother you like it," she said when they were both in the room and the door safely locked. "Beautiful," whispered Mrs. Mar-shall. It was surprising how much prettier the tree looked than if she had trimmed it herself.

the door.

and trimmed it herself. "You don't know what a relief it is to me to have it all done, -- by magic, as it were. And what are all these cute little bags?"

remembered it just in time, and now beautifully Lulu did her part in the tableau, and how well Bessie and all

The fittle bags?" "Oh. I had some old ribbons in my suit case, and Sydney bount to big bot of chocolates in town and I had to invest some way to put them the tree. We got a box from home, too, just before we left town, with some Christmas records in it. Is it too tate to try them to-night?" "It's getting pretty late for my

"It's getting pretty late for my pungaters, they ought to be in bed

younseters, they ought to be in bed the induct but we night have one." "Well, just one then to acht, and the rest to morrow " add to acht, and so presently Elie Baker's lovely iones filled their little partor, and they all went to bed with "Sileni Night, Holy Night," inzing in their ears. And somehow the thought of the lit-de bake saleen in the partor bedroom brought that first Christmas closer to their hearts and gave a tender signi-fance to the new friendship that was laking root here.

fearce to the new infeation that was taking root there. "How lovely everything is," was "How lovely everything is," was Mrs. Marshall's hast waking thought that Christmas Eve. "and to think how near there came to being 'no room for them in the ins." "-Farm. Stock and Home.

### Value of Good Views

REPORT from the Wisconsin Station gives the following inter r esting story which demonstrates the cash value of good views on the

A farmer in southern Wisconsin who found it necessary to move to a warm er climate, was very desirous of seller ellmate, was very desirous of aell-ing his tarm. A buyer came to the farm one day and looked it. our deservice to his needs. He wished to bring the hally to the farm and make it his premanent home. However, when they came to close the desd, the farm, and he buyer differed by \$2,000.

A few days later the barn, which A tow days the road from the barn, which thod across the road from the house. Was struck by lichting and burned to the ground. The loss of the sale and the barn was a severe blow to the has the bain was a severe blow to the famer, and it was with reluctance that he changed his plans and decid-ed to stay on the farm. Some days later the buyer returned

to the farm to see whether the farm er would not consider his former offer, but upon talking the matter over the latter told him that he had decided to

### FARM AND DAIRY

stay on the farm a few more years, rebuild his barn and paint his farm reputed his barn and paint his tarus buildings and perhaps he could get the stipulated price. Just as the buyer was leaving the house, he said, "My, but that is a

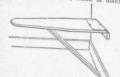
magnificent view you have from this front porch. I hadn't noticed it before How well the view is framed by the two eims. How blue the lake is. The distant hills must be twenty miles

"Yes, that is a fine view." replied the farmer. "It shows up much bet-

Alternati as the meet came is to sup-per, "that he has lived on a farm alt lies, and the has lived on a farm alt lies, and that he has worked on a farm every summer for the last twelve years. I hought he was a city chap." And his wile knew from his tone that he and his guest were pro-gressing as rapidly towards mutual used hot so very late when they reached hot so the anternain oosy so they allor a little, talking how Preddy almost fis. and telling how Preddy almost fis. on the little, and how beautifully Luis die here, and how beautifully Luis die here art in the ""W HATEVER lessens woman's work benefits the race." The kitchen is our workshop, and it is well worth while for every housewife on the farm to make a big effort to have as many conveniences as possible in that workshop. shole in that workshop. There are many home-made labor savers which might be installed in our kitchens without any great outlay. We will mention a few of them in this article. There are

### Folding Ironing Board.

tableau, and now well Bessle and all the other big girls sang. Presently Grace rose and went into the bedroom and in a few moments summoned Mrs. Marshall through the crack of The weekly ironing is no small task, The weekly ironing is no small task, and yet how many people there are bond. A board supported on two chairs is often used or just the or-dinary kitchen table, which in many



ses is too low for comfort. A board which folds up out of the way when not in use is a convenience worth not in use is a convenience worth while. The diagram herewith explains this device, which is simply construct-ed. It is a important point to have the board placed at a convenient height for the user. When in position for ironing, the hear exits on the base. for ironing, the base rests on the base board of the wall. When not in use the board is folded up against the wall and held in place with a button of some kind.

### A Dish Drainer.

A Dish Drainer. Perhaps no time spent in house-work is more begradged by the house-wife than the devoted to the washing and wiping of dishes. As this is a task that has to be done three times a day, anything which will help to



\$18 up. This really does not seem a large investment when one considers what a boon it should prove to the housewife. But those of us who do not see our way clear to invest in such a constraint of the second second second second such a constraint of the second s such a contrivance may still lighten our labor considerably by the use of a dish drainer, such as the one here shown. It can be made by using an ordinary good-sized blacuit pan. The racks may be made with soft No. 12 or No. 14 wire. Dy using a pair of pilers the wire can be bent into the piroper shape for forming the racks. These fit on to the edge of a pan and hold the dishes out of the wire. The compariment for knives, forks and spoons may be made with poultry net-ting, or by punching holes in the boits on of a tin can. After the dishes are washed they are stated in the racks, scalded with bat water, and they dry clean and lintless. ordinary good-sized biscuit pan.

ter now that the barn is gone." "I didn't realize that the barn cut off the beautiful yiew," said the yisi-tor. They talked awhile longer but before separating the buyer had arreed to pay the farmer his stipula-ted price for the farm

acreed to pay the farmer his stipula-ted price for the farm. This incident shows how views add to the saleability of the farm. Be-sides, views when well framed be-come distinctive features of the farm home. Preserve the views about the bouse site. They increase the cash value of your farm.

Removing Kinks From Kitchen Work



Kitchen tables and sinks are usually too low for working surfaces when the housewife is standing. Low when the housewire is standing. Join working surfaces are often respons-ible for tired backs and rounded shoulders, because of the undue stooping and the strain on the arms stopping and the strain on the arms and shoulders. The kitchen table can be raised to a comfain height by the use of blocks of wants. The output are shown herewith, one being the want of wood with a sockst into which the table leg fits ecurely, and the other call eight securely, and the other exerve or nails for fastening on to the table ice.

A Unique Dinner Wagon. Throughout the summer and in some cases all the year round the kitchen is used for cooking in and the



meal is eaten in the dining room. This entails a great many steps for rife in the preparation of a We recently noted a descripmeal. We recently noted a descrip-tion of a step saver in one of our United States contemporaries, which United States contemporaries, which was in the form of an improvised dinner wagon. It was made from a discarded baye carriage were cut off, four corner posts fitted in, sideboards put on and the too was finished with a corner posts fited in aldeboards put on and the top was finished with a shelf. The whole was finished with oak staining. The flush finished with page shows the finished after. On a contrivance of this kind of a do may be placed on the top tray and dishes below. Even if a person des not happen to have an old baby car-ries the idea may offer a suggestion for working out some such scheme. for working out some such scheme.

### A Cold Box.

Unless one has a refrigerator or ice box of some kind, endless trips to the



(33) 1353

cellar with food is a necessity. In cool weather, however, a coid bax would be found to be quite a conveni-ence. An ordinary light bax can be used. The box is fitted to the outside of ang of the bitchen as nearry wite. used. The pox is nited to the outside of one of the kitchen or pantry win-dows. A north exposure is the coolest location. The window sill is extended by a shelf, which is supported by wooden brackets. The cold box rests on the window sill and the extended shelf and is fastioned to the window casing by acrows or sill near the top and bottom of each and of the box. During warm weather and the box. In not in use it may be entrot the box sired. The box should have ad just root to shed the rain. Holes for just eacreend. Raising the window gives access to the cold box, as is shown by access to the cold box, as is shown by access to the cold box. on the window sill and the extended the diagram. By this arrangement the light from the upper half of the window only is available, so this would need to be placed in a light

To My Plum-Pudding

HERE was a time, O sweet, at-

tractive edible, When on your welcome an-nual appearance, With tireless energy and zest incred-

ible, I made of you a most astounding

clearance; No thoughts deterred of fruit and nuts to follow... When I perceived you, crowned with holly sprig... I tackled you till I could scarcely semilar.

swallow; I was, in fact, a greedy little pig.

Then came a period when with cautious glances, d inward gustatory protesta-And

took with unaccustomed care the chances

Of sundry pains, digestive perturbations;

Still did I love you, still acclaimed Still hailed your odorous advent with a cheer; And if the morrow savored of the

tragic, It was, I made excuse, but once a year.

To-day, as then, I offer you the biscuit

For gracing every feast of this fair season;

But as for eating you, I will not risk

For anything, old chap-and with For anything, old chap—and with good reason. That is my firm resolve . . . Yet when, all steaming. Straight from the kitchen's fra-grant merchandise You some following you will set

You come triumphant, you will set

me dreaming-For old times' sake, I might havejust one slice!

THE BRIDGE BUILDER.

A Nodman going a long highway. A Came at the evening, coid and gray, To a chasm vast and deen and wide. The sulless crossed in the twilight dim-The sulless are supported when safe other do the but he turned when safe other aide And built a bridge to span the tide.

And built a bridge to span the tide mus "Old man," and a follow-pilgrim near. "You are washing strength with building here; you strength with building here; built strength with day. You nove again will pase this way: Tou nove again will pase this way: Tou're crossed the chasm deep and wide, Why build you this bridge at evening tide?"

Uder The halider lifted his old gray head-"Good friend, in the path I have come," "here followedh after me to-day apouth whose feet must pase she way. This mass that has been as maught to one

To that fair-haired youth may a pitfall

, too, must cross in the twilight dim-od friend, I am building this bridge for

### -Belected

When too much bluing is put into the rinsing water try adding a little household ammonia.



task that has to be done three times a day, anything which will help to lighten the task should be welcomed by all of us. We understand dish washers may now be secured for from

Decem



When cloud-banks blot the sky dull grey, or whistling winds make outdoors disagreeable, how cheery and exhilarating are bright lights and sparkling fires ;

And in these soul-trying days, how welcome is the cheery brightness-the soothing caress-the soul-satisfying message-of the music you love.

So this Christmas you need music more than ever-good music, that brings the spirit of Christmas to everyone, young and old. Such is the music of

"The Phonograph with a Soul" This wonderful instrument brings the beautiful world of music into your home-Re-Creations of the art of the world's greatest artists. The New Edison does not merely imitate-it actually re-creates with such utter fidelity that the human ear cannot distinguish between the living artist and The New Edison.

The true spirit of Christmas lies in the soul of The New Edison. Let it sing its message of hope and faith and love in your home this year.

May we send you a complimentary copy of our musical magazine "Along Broadway' THOMAS A. EDISON, Inc., - ORANGE, N. J.





### An Egg Ration Contest

THE Fighth International Egg Lay-ing Contest held at Victoria, B. C. is new off to a good start weight varieties. 20 of which are White Leghorns and one pen of Not-tied Ancomas and 19 pens of the Savy weight varieties, including Wyan-dottes, Rocks, and Reds (six birds to pen). Most of the entries are from HE Eighth International Egg Lay dottes, Hocks, and Reds (six birds to a pen). Most of the entries are from British Columbia but there are also pens entered from Oregon, New Mexi-co and Alberta. The contest ration fed this year is as follows:

ted this year is as follows: Scratch food — Equal parts by weight of oxis, barley, cracked corn, and wheat. Dry and wet meah—Oats (ground) 40 lbs; branz 22 lbs; shorta, 52 lbs; beef scrap, 15 lbs; charcoal, one pound; total, 100 lbs. Wet mash is fed Monday, Weddmest ay and Saturday moveling. The wet? mash fed at each meal weights (dry): Class J. light weight breeds, 15 lbs; mash fed at éach meal weight (dry): Class 1, light weight breeds, 12 lbs.; Class 2, heavy weight breeds, 13 lbs., moistened with hot water. Birds are fed chickweed and chard, ad. llb.

### Cooperative Storing of Eggs

Cooperative Storing of Eggs their eggs in summer when the prices are lon prices are high? Many are already of the second state Pool of the second state of the Nova Sootia Agricultural College has ad-vanced the programme another step. The Departural College has ad-vanced the programme another step. The Departural College has ad-vanced the programme another step. The Departural College has ad-vanced the province in the cooperative gathering of the province of the cooperative gathering and storing of eggs dering in the months of April, May and line, the eggs are gathered and fired in tanks with water glass and ore disposed of during the season of pocember and January. By this means the Department has

By this means the Department has been able to help farmers to obtain a beiter price for their eggs and to sup ply eggs to the market at a time when ply eggs to the market at a time when eggs are scarce During the season of 1917 and 1918, Mr. J. P. Landry. manager of the Poultry Department at the NS.A.C., estimates that over 15,000 dozen eggs were handled in this manner. What the farmers of Nova Sectia were able to do in cooper-tion with the densitient information Nova Scotia were able to do in cooper-ation with the department, independ-ent farmers' organizations and egg circles everywhere, should be able to do on their own initiative. Such a venure would need to be carefully planed out in advance and perhaps represented with on a small scale at experimented with on a small scale at first. Any new commercial venture requires experience before it may be launched on an extensive scale .- S. C.

### Turkeys, Geese and Ducks

URKEYS, geese and ducks should T be more generally raised. They furnish the cheapest meat pro-duced, considering labor and feed, and

duced, considering labor and feed, and generally sell for a high price. Turkeys greatly add in combating insect pests, as grasshoppers and army worms, and also in conserving the scattered grains of the fields. The best breeds of turkeys for the farm are Manmoth Fronze. Hourbon Red and White Holland. As the Bronze are the heaviest, hey are the hout are the heavlest, they are the most popular with turkey raisers. A young tom with three or four early-hatched young hens makes a good breeding pen for the beginner.

Geese will help to get the maximum returns from low, marshy lands. They feed on many forms of vegetation not

used by other stock. Their fat is very valuable. The two conding from Toulouse reace have been noted to average 28 pounds each by becomber 20. In mailing, one such by with three or four geess types beat re-ults. They do na mature until about three years old. The same breed-ers may be kept for eight or ten-years.

bucks grow the most rapidly of all farm pooltry, and furnish a desirable, variety in the family food support. This most profitable market ducks are by its Pekin and Rosen, or "Grean Heada", as they are commonly called. They will weeks it we the fed. One tarks is make the about five mature ducks for best success. Breeding stock of turkeys, geese

ducks for best success. Breeding stock of turkeys, geese and ducks should be obtained during November and December for best re-sults. At this time choice birds may be bought before being put on the market.-F. P. N.

### Advice of 40 Years Ago

T is indeed interesting to know, in T is indeed interesting to know, in likes times of changes and improve-ments, that the advice given 30 or 40 years ago was generally very sean-ble, and much of it has not been changed even at the present day. Here are some semilar are some samples: "After all said and done, in regard

to fattening fowls, it is doubtful whether there is any better food for to fattening fowls, this purpose than sweet corn meal. Feed it frequently during the day, not Feed it frequently during the day, not less than four or five times, beginning early in the morning and giving the last as near roosting time as possi-ble. Give only as much as the fowis will east with a reliab. Freed it raw, not ground too fine, and moistaned "The decompton of the hen repet are

The droppings of the hen roost are "The droppings of the han root are amongst the best fertilizers that ac-cumulate on the farm. They are faily equal to the best Feruvian Guano. He has too powerful to be used alone, they have been been and the proportion whether the composed in the proportion of two parts of good soil or muck to one of the droppings. Thus prepared it will be found almost invaluable for it will be found almost invaluable for any crop, but especially strawberries who portuge his fortis to roost on crees, fences, plow Bandles, wagons, etc., subjecting them to accident and disease, and of course accident and valuable droppings, "Batther it would not be a -profitable investment is build a comfortable hern house? Think the matter over at your leisure." the matter over at your leisure." "We don't believe in heas that were

"We don't believe in hens that were hatched after April; we believe in har-ing pienty of eggs from the middle of October during the months following when eggs are high." That is surely strong advice for a period when arti-ficial incubation was practically up hence. known.

We are not particular as to breed, "We are not particular as to break, scopt that we want large, lively hear. We change cocks every year and look for good-sized smart follows." That paragraph would be contradicted U differed at the present day, whe mediam-sized hens are advised, as when changing male blood annually might mean reinston. "We low our hom, keen her

"We love our hens, keep their houses clean, and save their droppings as the best fertilizer on the farm."

The writer has always cautioned beginners to start in a small way so to slow. It is always best to begin at the bottom round of the ladder ad carefully climb to the top. Men whe begin and go in that style are the ones who generally succeed. It may seem easy enough to manage seven hundred hens, and so it is for a man of experience, but the beginner much not less sight of the fact that he hus much to learn. He must, likewia, consult his capital, and under no de cumstances, should fail to lay adds a 

FARM AND DAIRY

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strawberries. to roost on wagons dles.

accident and wasting their ther it would vestment house? Think leisure." hens that were believe in havthe middle of

Ago

FARM AND DAIRY

1355

(35)

# NTARI The Land of Unlimited Opportunity

RECENT railroad construction has made accessible a vast region of natural wealth in Northern Ontario. Fortune sum and health await thousands in two wonderful land.

Generatives 230 million acres of land only 13% million of Ontario's 230 million acres of land only 13% million acres are under cultivation. More than 20 million acres of the very finest arable land lie waiting for the plough.

The following statistics will be of interest as showing the enormous possibilities of "Canada's Banner Province:"

enormous possionintes of "Canada's Lanner Provinces" Aanessed Value, \$1,900,000,000 Annual Production 1,000,000,000 acres Available Timber 9,000,000,000 acres Available Pulpwood 300,000,000 cords Undeveloped Water Powers 4,000,000 H,P.

Success is Sure

Tales of individual success in the Province of Onfario sound almost like romance. Not one or two, not a few dozen, bui titerally hundred to the sound of the sound and the avored country as a document of the sound area in this does the ninew who diakes a "lucky strike." And why should the soot a verything is in favor of the tiller of the soil. Terything is in favor of the tiller of the soil. Tery and the souther weather, nother season being at all extracted will hele in the year. Then, the soil is rich, productive, one might term it re-aponsive.

The wealth many farmers accumulate is not earned by the sacrifice of health or vigor through excessive overwork. On the contrary, with proper knowledge and care, backed hy ordinary industriousness, Ontario farming land will yield a most bountiful return for the time, money and labor invested.

about this spiendid agricultural country may be had for the asking. Your every question will receive an authoritative, carefully-considered reply. Address as below for prompt

### Northern Ontario

Northern Ontario's Famous Clay Belt stretches west and north from the Ottawa River, along either side of the Grand Frunk Pacific Railrond, right to the Manitoba boundary.

RAILROADS—A settler can ride from the big cities of On-tario or the West in a Pullman, if he wishes, almost to his own door. This is something new in pioneer life.

Note that this fortile land is one degree south of Winnipeg. The climate is ideal for perfect health, warm in summer, cold and invigorating in winter.

The land is well watered with lakes and rivers and covered with merchantable timber.

### **Agricultural Products**

Millions of acres of the finest agricultural land comprise the famous clay belt, and it has been proven that certain sections are already producing wheat equal to the finest Manitoba

harm. It is encouraging to know that a great stretch of unculti-vated land lies out invitingly before the prospective farmer, but the encouragement is deeper than that. It may be justly asked, "the soil been practically tested?" "If so, what are the results?" The answer is that settlers have gone into all the districts. To see the crops grown by them is a reve-istical.

Information re Land Settlement and Opportunities for returned sol-diers may be had by applying to Lt.-Col. Robert Innes, Parliament Buildings, Toronto.

WOULD YOU LIKE US TO TELL YOU MORE ABOUT NORTHERN ONTARIO?

Our literature descriptive of this great country may be had free on application

G. H. FERGUSON. Minister of Lands, Forests and Mines

Write:-H. A. MACDONNELL, Director of Colonization PARLIAMENT BUILDINGS, TORONTO

ATT HE AS POWER

nths following That is surely riod when artipractically un lar as to breed, rge, lively hens.

y year and look ellows." That contradicted if sent day, when re advised, and blood annually

keep their 88, e their droppings on the farm."

always cautioned a smiall way and ays best to begin of the ladder and Men who top de hat style are the succeed. It may to manage several so it is for a man the beginner must e fact that he hus e must, likewiss, and under no de fail to lay aside a working purposes

This great province presents greater possibilities to the farmer and settler, the workingman and manufacturer than any other portion of Canada. Natural Wealth

Ontario is rich in timber and waterpowers, with its limit-less fracts of untouched forest and numerous waterfails and ripids. It contains vast expanses of rich virgin farm lands, only awaiting cultivation to produce abundant crops of every description.

# Free Literature

(36)



The First Creamery in the Temiskaming District of New Ontario. The creamery at New Liekeard started operations in August, 1917. In its first year the number of patrons increased from 65 to 139 and the inake totalled \$6,000 hbs. of butter.

### A New Ontario Creamery

F ACTORY dairying is off to a good start in New Ontario. The good erment creamery at New Lik-keard, which is illustrated on this page, commenced operations last august. The start was made with 52 patrons. This year, after a good deal of work and organisme. there are to be patrons. This year, after a good deal patrons sending cream, and from year nearons sending cream, and from No-most 95 000 bbs. of butter have been distributed among the larmers for cream. As much has been accom-nilabed in the first year's our atoms as the management expected to ac-combilish in three year's out to ac-combilish in three year's out to ac-or the district are while awake to the oppertunities that a dairy market af-fords. fords.

The creamery is due to fill an in-creasingly important place in the agri-culture of the New Liskgard district, which is one of the finest grazing dis-tricts in Ontario and well adapted to distrying. Mr. A. MacLachian, the manacer of the creamery, is enthus-lastic over the country and its possi-bilities and to helto on dirty develop-ment exneets to organize several cow The creamery is due to fill an inbilities and to help on dairy develop-ment expects to organize several cow testing associations next spring.

### A Factory Herd Bull

T HERE actory sections when the THERE are many instances in cheese factory sections where a good bull would be used if one were available. In many sections where I have visited I have found that per-I have visited I have found that per-haps there were only one or two real good sizes to any overy large dis-trict. As a result many patrons of theses factorie very infertor quality. I believe melled if the cheese factoriae ored dairy size for the use of their patrons. I know of one case where

this has been tried out and so far as I can learn it is giving splendid sat-isfaction. The pairons are charged a nominal fee for the service of the bull, just sufficient to maintain and keep the animal in good shape. The method employed is very similar to that employed by the Canadian Gov-ernment when loaning bulls to breesh ere' clubs. Some man in the centre of ernment when loaning buils to breed-ers' clubs. Some man in the centre of the district the buil is to serve, is appointed as caretaker. He receives a stated fee for his trouble and any expense incurred. All feed is furnish-the him by the factory authorities. The cheesemaker has full control of the built. the bull.

It seems to me that such a plan as this might be adopted to good any characse in many section. The pro-theme of such a size with the pro-nounced and noted in the arress of the milk flow of the hords: the sizes, and in the quality of the animals pro-duced. In this way should be mi-terially increased. No should be used a size of the following four of five yould serve to attract partness of other factories to the one partness of the for the following instanting a pure bred dairy size. It seems to me that such a plan as

patrons of other factories to the one maintaining a pure bred dairy eire. In the case mentioned dairy, or, there have, up to date, been no financial very nominal fee, which goes towards very nominal fee, which goes towards maintaining and paying of the orig-inal purchase price of the bull.

### WM. SCOBEL'S SALE

N the ad. of Mr. Wm. Scobel's sale on page 53 of this weeks issue, the time the sale will commence at is given at 1 p.m. Just on going to press Mr. Scobel advises us that the time scoper advises us that the time has been changed to 10 a.m. Look up his ad. and note parti-culars of the sale.

mange is read able in careful Ascerta likes a ed feen her fee trates top of first wi Or if y sllage Cows, 1 gard to must ha

have One con more an concent ing then tested feed if first and gave her cow doe tion it s ed from her to n tice of roots an and the

being on Ing. The gr best and suits from on many Pine Grov We try to tions as before, w taste of ti

Two hun tillers' dr tillers' dri oats, 125 seed meal salt, 15 lb:

One hur ground oat off meal, it lbs salt, 1 Personal results-from many cases will refuse or the glute In my c beets are i is testing, From 20 to fed, depend cow and th

Feeds While att and studyin made a stud rations which

Property



This is an actual test of seed corn, 94 per cent ger-ination. All our seed must test well and show rong vigorous growth before sending out.

SEED CORN

1919 SOWING

Specially priced for immediate delivery, carefully selected, atrong restored acceleration of the selected atrong to the selected atrong Code Galaxies and the selected atrong to the selected atrong Code Galaxies at the selected at the sele

Viewrowia sect. ACK OR NALL CURED ON COM-Long Fellow 5.5 per busiel, 70 lbs. 5.75 statement of the sector of the

GEO. KEITH & SONS,

Get This Blood-

Two pure bred Holtein cows for make 4 and 7 years old. One of them in R.O.M., both scalt to King Seizh Alexien Spofford (imported by Leavens & Darrelle), he scale on the Sol,000 built. Both guaranteed absolutely right in every respect. Prior Size Seach. CLARLACE MALLORY For particulars, write, BLOOMFIELD. Ont.

The is the last young size we have to offer at the present. He is by Sir River-date Echo Lyons, when you have a size and the present. He is by Sir River-date Echo Lyons, when you have a size and the present size and have Echo Sylva, and, dam's sizer and prubig Allecon here at Sub-whose two N7 days. His sire was head fit be, milk in 7 days and of 2,40 bulk all dam hes a 5k b. batter 200 days. This is the making offs service, which are a six b. batter 200 days. This is the making offs service. With both breaching the size of the size ready for the service. It have been a six b. batter and the size of the size of the service.

R.R. No. 9,

124 KING ST. EAST - - -

CLARENCE MALLORY

COUGHLIN BROS.,

TORONTO

-FOR-

LAKEVIEW MONA RATTLER BOY

# **Excelsior Farms**

"Buy the best and breed them better" is my motto. That is why I bought Lakeview bulls that were direct descendants of Canadian champion cows to head my herd. The senior sire is a descendant of Lakeview Rattler (page 49), 37.54 lbs. butter, 724 lbs. milk. My junior sire is a son of Lakeview Lestrange (page 48), 38.06 lbs. butter, 741 lbs. milk. When in need of a high class bull, write Excelsior Farms.

JOHN WARNER, Proprietor, CAYUGA, ONT.

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ts first

o far as ndid sat charged e of the tain and ipe. The dian Gov to breed centre of serve, h e receives and any is furnish-uthorities control of

a plan as good ad-ons where d. The in-ill be proincrease of is he sires, nimals pro receipts of uld be ma following ì doubt, too to the one dairy sire. above, there no financial e charged a goes towards off the orig-

### SALE

m. Scobel's this week s e sale will n at 1 p.m. press Mr. at the time to 10 a.m. note parti



y motto. ere direct head my Lakeview ilk. My page 48), of a high

A, ONT.

must have her taste so satisfied so as to have her make the best record. One cow which we tested would eat more and better if we gave her each concentrate separato instead of mix-tested m together. Another cow we tested m together. Another cow we feed if we gave month better to her feed if we gave month of a start of gave.her her roots and slage. Ur gave.her her roots and slage. Ut is should immediately be romov-tion if should immediately be romov-

tion it should immediately be remov-ed, from her manger and not laft for her to muss over. In our own prac-tice of feeding we feed the grain, roots and slage four times; the latter being omitted at the midnight milk

The grain rations which we like

The grain rations which we like best and seem to derive the best re-sults from are the same as are used on many other farms including the Pine Grove Stock Farm of Elms. N.Y. We try to stay as close to these ra-tions as possible although, as stated before, we must first consider the taste of the cow.

Ration No. 1.

Two hundred lbs. bran, 200 lbs. dis-tillers' dried grains, 125 lbs. ground oats. 125 lbs. gluten, 100 lbs. cotton-seed meal, 80 lbs. oil meal, 10 lbs. salt, 15 lbs. charcoal.

Ration No. 2. Ration No. Z. One hundred Ibs. bran, 100 lbs. ground ests, 100 lbs. hominy, 100 lbs. of meal, 50 lbs. cottonseed meal, 10 lbs. salt, 15 lbs. charcoal. Personally I have derived the best results. from No. 1 ration, atthough in many cases you will find that the cow

will refuse either the distillers' grains

In my opinion mangels or sugar beets are invaluable to the man who is testing, and in many instances even will eat 100 lbs of these a day

From 20 to 30 lbs. of sliage may be fed, depending upon the likes of the cow and the character of the sliage.

Feeds Popular With Others.

While attending Cornell University and studying under Prof. Savage I made a study of the various kinds of

rations which had been fed to the ten

or the gluten.

Ing

## FARM AND DAIRY Where Fitting is Half the Battle

(Continued from page 4.) manger out good and clean, that she

Tormuse manger out good and clear, that she is ready to have her ration shoved up a notch or two. We find it invalu-able in our testing work to make a careful atuity of each animal so as to ancertain just what her likes and dis-likes are in regard to the concentrat-the fields and then to give her what she likes. Often a cow will clean up the likes of the so will clean up the start in the she likes best is put on top of the she likes best is put on top of the likes belien the tother fool. Over, like heat its being and on said to their tasies on saidfield so as to have her make the heat record. 

The second secon tice to change milkers during a test The to change milkers during a test or to have on man milk her wice or three times the man milk her wice or there man there is the day and an other man the set of the set of the her own is on test she will become at tached to him and more is divided to down her milk, whereas if the fait forced to put up with two milkers we cannot expect the best remits with a under these changing conditions. The combine of the bowls, should at all times time divided, and it cannet cannot expect the best wells, the eause should immediately be sought cause should immediately be sought

### The Test Barn.

It is always well to hold as mear us It is always well to hold as mear as possible to the proper temperature in the test barn, which is more always of 60 degrees. The test invertex of 3 and ways contain plenty of 47, pure at and plenty of santight and and and and lightly blenket the cows durf woll to lightly blenket the cows durf well to lightly blenket and arguing a solution weather and any drafts or direct our rents of air should be avoided as are not to chill the cow. The test har should be kept as quiet as possible and no under noises or faiturbanges

the other shows the test users and no undue noises or disturbances and no undue noises or disturbances. It likes the plan beat of immediately classifies the stable after the moration milking, giving the cole good dean bedding, giving the cole good dean bedding, giving the cole good dean bedding, giving the cole with the next milking. We feed our test cows just be fore we mile doing the ulking. This of the cole are test cows just be fore we mile doing the ulking. This of the cow away for an the statistion of the cow away for the statistic flow more freely. The milker should always be sure to strip out the udder

of the cow very carefully after each milking and give it a good rubbing. This little extra trouble will surely use in the and pay in the end.

#### Current Notes

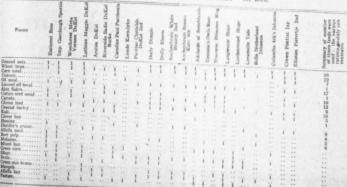
Announcement is made from Ottawa that W. J. Black has resigned his postthat W. J. Black has resigned dis posi-tion as Commissioner of Agriculture to become Chairman of the Soldiers' Settlement Board. On the Board he takes the place vacated by Mr. C. P. Rowjand of Winnipeg, and the change means that an agriculturist is now associated with the work of the Board. Mr. Black is a regulated the Ontario. associated will the work of the Board, Mr. Black is a graduate of the Ontario Aźricultural College and has served as editor of The Farmer's Advocate of Winnipeg. Deputy Minister of Agri-culture for Manitoba and was for 10 years president of the Manitoba Agri-culture. cultural College.

Sidney C. Johnston, at one time regetable expert for the Ontario De-pariment of Agriculture and hater director of the Ontario Government Motion Picture Bureau, passed away in Toronto on Priday Nov. 23nd. Ap-pendicitis followed by complications, result of the Bolowed by complications, result of the Bolowed by complications, they are assessed in the set of the news by the hundres first this set, at college and by the set of the set of that he has made since. He was just 28 years old.

With the idea of capturing the proposed International Live Stock Show for Toronto, a deputation headed by Messrs, George E. Day and headed by Meszra George E. Day and George Pepper, representing the live stock Interests of Canada, Messra John G. Kent and C. A. B. Brown of the Exhibition, pronosed to the To-ronic Controllers that the city erect at a cost of \$500,000 a live stock areas for winter stock shows at the Exhibition grounds, on the live stock Exhibition grounds, on the live stock Exhibition grounds, on the live stock interests arcreing to nay \$290.00 or the costs, the Provincial Government \$20.00, and the Pederal Government \$10.000 annually as prize money. It was asked that the city submit the matter to the people at the next elec-tion, in the form of a hylaw to raise the money. Finance Commissioner Bradshaw objected and -the matter was referred to him for further in-trealizatio.

Many a good Scotch story is told by Sir Henry Oliver. One is in re-gard to a certain beadle who had to sard to a certain beadle who had to show visitors over the remains of an old abbey "somewhere beyond the Tweed." He had on one occasion performed this service for a lady who, on leaving him at the church-yard gates, merely rewarded him with thanks.

"Weel, my leddy," he remarked, "when ye gang hame, if ye fin' oot that ye have lost your purse, ye maun recollect that ye haven't had it



The Fire-proof permanent roof is the cheapest

1352

(37)

A FIRE can wipe out the sav-ings of a lifetime, and human life as well. But lightning of fire i cannot have the buildings that is roofed with "Eastlake" Calvan-ized Shingles and sided with "Metallic" Siding.

Why risk your family's safety. or your buildings and belongings when the cost of a permanent. frepreof, "Metallic" roof and wall is little or no more than for inflammable kinds.

Before you build or repair write us for free booklet and information. We can show you real economies in many ways. including lower insurance rates.

We also make "Metallic" Ceilinge, Corrugated Iron, Roof-lighte, Ventila-tore, Silo-roofe, etc.

Metallic Roofing Co. Limited Teronto Winnipeg **"EASTLAKE"** 

**GALVANIZED SHINGLE** 

Peck, Kerr & McElderry Barristers, Solicitors, etc. 415 Water St., Peterborough E. A. Peck F. D. Kerr V. J. McElderry BONE SPAVINred by Fleming's Spavin and Ringhone ste, no matter how old the biemisa. Il price refunded if it fails to cure either ne Spavin, Ringbone or Sidobone, mings Vest Pocket Veterinary Ad-er seat free on request.

165



GOOLD, SHAPLEY & MUIR CO., LTD. Brantford, Winnipeg, Regina, Calpary.



December 5, 1918.

Sunnybrook Farms,

WALLACE ANSON

Harrow, Ont.

Kingsville

YO



December

Under official largest butter milk, 24,149.3

(2)

Pat. In U.S. Dec. 1,1014 Pat. In Con. Apr 8,1915

December 5, 1918.

1918.

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ronto ----Very 10 lbs. order. Ontario n -7, W.C. or 72 lbs.

E= gning in ecember

recently

eld, Ont.

rboro, Ont

BYERTISING

H WITH ORDER

SALE-Make plant in con-cotory, in Dur-ars, write Box aboro'.

tied to rent a two or three chasing: Send ent and price er of soil and rm and Dairy.

History of the Apply, stating White, 427 Con-Toronto. 8 Apples in To-hey would have hard. Read this isence, by Chaa, NADA, Decom-postage paid-or year's subscrip-re not astisfied

year's subscrip-if not satisfied.

D-Would like to shears in Ontario. as for past year ars. Apply Bon sterboro'.

RSE

Pat. In U.S. Doc. 1, 1014 Pat. In Can. Apr. 5, 1978

Sbull be-n offering onths old vs averag-0 lbs. per stocked at g at very

## FARM AND DAIRY

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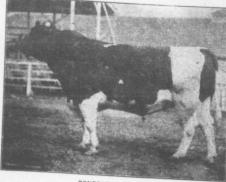


Three-year-old champion in the Record of Performance test with 1,053.75 lbs. butter from 23.274 lbs. mill. Official record for seven days, 32.70 lbs. butter from 672.4 lbs. mills.

COLONY AAGGIE PIETERTJE, No. 38774, The new jr.2-year-old world's champion milk and butter for 1 year in strictly official test. Record 21,161.81 lbs. milk and S31.84 lbs. butter.

## **AGreat Breed**

Owners and breeders of Holstein-Frieslan cattle base their claims for the superiority of the breed over all other dairy breeds mainly on the following points: First, that the Holstein-Friesian is a large, strong, vigorous cow, full of energy and abounding in vitality. Second, that her physical organization and digestive capacity is such that she is able to turn to the best of advantage the roughage of the farm, converting the same into merchantable verting the same into merchantable products. Third, that she yields iarse quantities of most excellent milk, fit for asy and all uses and especially well fitted for shipping purposes. Fourth, that heredity is so firmly established through her ions lineage that she is able to perpetuate herself through the pro-duction of strong healthy calves. Fifth, that, when for any reason her usefulness in the dairy is at an end, she fattens readily and makes excellent beef.



BONERGES HARTOG. Senior and Grand Champion at the Canadian National and London Exhibitions, 1918.

## Holsteins Hold All Championships

World's Record Price for Cattle-Carnation King Sylvia...\$106,000.00 World's Record for Butter, One Year-Ducheas Skylark Ormsby 1808.36 Bis. World's Record for Milk, One Year-Lutacke Vale Cornucopia 3124.5 Bis. World's Record for Butter, Seven Days-

ear-lear-Lady Pietje Canary's Jewel 1173.66 lbs. Canadian Record for Milk, One Year-Zarilda Clothilde 3rd DeKol 30467.0 lbs

IF YOU CAN'T BUY A HERD, BUY

A HEIFER

Information from the Holstein-Friesian Association.

President, Secretary, DR. S. F. TOLMIE, M.P., W. A. CLEMONS, Victoria, B.C. St. George, Ont.



LADY PIETJE CANARY'S JEWEL, 17314. Under official test for the whole year as a junior three-year-old she made the largest butter record of any cow of any breed in Canada. Year's record, milk, 24,149.3 lbs., butter, 1,173.66 lbs.; 7 day record, milk, 671.9 lbs., butter, 32.81 lbs., 1 day record, milk, 100.6 tba.



POSCH QUEEN WAYNE, 12190.

Champion mature cow in the yearly Record of Performance test with 1.121.25 lbs, butter from 25,085 lbs. milk. Record for two successive years 2,062.50 lbs. butter and 45,948 lbs. milk.

## FARM AND DAIRY



RALPH H. LIBBY. STANSTEAD, QUE.

Sec. of Canadian Brown Swiss Association



## I AM OFFERING

for the first time, choice pure-bred cows, due to freshen in March and April, young stock of both sexes, from imported and Canadian bred stock. For further particulars write:

Bloomfield, Ontario

THE EDGELEY CHANDION HERO OF JERSEYS. My liss us shout your next herd size. We have some of our present herd size. Sdgeley's Bright Prince, who is chandeds champion butter cover, Sunbasan of Edgeley. The suns and to show our herd at all times. We have, We way us sand to show our herd at all times. JAMES BAGG & SONS (Woodbridge, C.F.R., Concord, G.T.R.), EDGREEY, ONT.



M. Grant Thompson

## Proposed Farmers' National Platform (Continued from page 14.)

urged to reinstate such men in their former positions wherever possible. (1) That vocational training should be confined to those who while in the service have become unlitted for their former occumations.

(g) That provision should be made former

(g) That provision should be made for insurance at the public expense of unpensioned men who have be-come undesirable insurance risks while in the service. (h) That facilities should be pro-yided at the public expense that will enable returned solidiers to settle upon farming lands when by training or experience they are qualified to do so. Relation of Laber and Camital. Relation of Labor and Capital.

(i) We recognize the very serious problem confronting labor in urban industry resulting from the cessation riouem controlling inor in urban industry resulting from the cessation of war, and we urge that every means, economically feasible and practicable, and mulcipal authorities in relieving unemployment in the cities and towns, and further recommend the adoption of the principle of cooperation as the guiding spirit in the future relations theweas apployer and employees—be-tween Canid sottlement scheme based on a regulating influence in the selling price of land. Owners of kile areas about be builted to the a solitor to be priced as an assemble value for price of their lands, that price also to be regarded as an assemble value for price of taxion.

for purposes of taxation. (8) Extension of cooperative agen

(5) Extension of cooperative agenticles in agriculture to cover the whole field of marketing, including arrange-ments with consumers' societies for the supplying of foodstuffs at the low, est rates and with the minimum of subdimens, bandling. middleman handling.

Public Ownership of Utilities.

Public Ownership or Utilities. (b) Public ownership and control of railway, water and serial transpor-tation, telephone, telepraph and ex-press gettems, all projects in the de-vice coal mibing industry. (1a) The heirs should a granifer mass

the cost minner insury. (10) To bring about a greater meas-urs of democracy in government, we recommend the immediate repeal of continuance of the practice of confer-ing time supon crittens of Canada. the reform of the Federal Senate, and immediate check upon the growth of government by order in Council, and increased reasonsibility of individual members of Parliament in all legisla-tion; the complete abolition of the patronage system; the publication of all contributions and expenditures, both before and after election cam-naigns; the removel of press censor-(10) To bring about a greater measpoin before and after election cam-paigns; the removel of press censor-ship upon the restoration of peaco, and the immediate restoration of the rights of free speech; the setting forth by daily newspapers and periodical publications of the facts of their ownpublications of the facts of their own-erably and control; proportional repre-sentation: the establishment of meas-ures of direct lexislation through the initiative referendum and recall, and the opening of seats in Parliament to women on the same terms as men. Political Action.

That this council recommends to the provincial associations that they take action in whatever manner they take action in whatever manner they deem advisable to secure the nom-linations tand abection of candidates at the met deeral election who will en-dorse this\_Council. War Veterane' Deputation.

War Veterane' Deputation. A deputation from the Winiber constitute of the Great War Veteranes. Naxwell, and Molor W. O. Andrews, Naxwell, and Molor W. O. Andrews, the gentement was invited to address the Groundt. They made addresses stelling for the ideals and aims of the the Oreat War Veterans, namely, the security of the bost and mest just irreatment of all returned mest, in the interests of both Canada and of the interest of both Canada and of the interest of both Canada and of the interest of all returned mest, into selves, including all mecessary care of the wounded and those suffering

m page 14.) disability as the result of thair ser-trice; both speakers made it plain that earner. Hought to all the problems of demobilization and of the service control of the men who have returns the the service of the service and those who are afill to return from the war. They gave amphate seturned, the war. They gave amphate seturned war Veleram to cooper the owner work Veleram to cooper the towner with a sole view to justice for all and the members of the public welfar. The members of the public welfar.

The members of the Council follow-ed both apaalrers with close attention and marked hunch time close attention and marked hunch time to the coun-cil devoted shuth time to the cou-barts. Marwell and Major Aadrews. The Council also listened to a brief address by Prof. W. F. Osborno, ot the University of Manitoba, in ad-vocacy of the project of a National Congress of Education. The merits of the Bor Scout pays

Congress of Mudaton. The merits of the Boy Scout move-ment were set forth to the Council in an earnest address by Hugh D. Mac-kintosh, of the Manitoba Bay Scouts executive.

Potato Flour and Hemp Fibre.

A deputation représenting the West-A deputation représenting the West-ern. Cansila Development Bareau oi the Winnipeg Board of Trade was re-ceived, and its polyeamen, Meser, explained that Likey invited explained that Likey invited the co-operation of the Canadian Council et Agriculture in undertaining an Invest-gution of the practicability of Invest-ducing into Western Canada two new mutatries. namely, the manufacture of alloid of the practicesting of infro-ducing into Western Canada two new Industries, namely, the manufacture of polato floury, and the manufacture of three from hemp, with a view to the making of binder twine and of other companied by Mesera. Doublit and Gammon, from the United States, who gave explanation in regard to the pro-posed industries, which will be demo-bers of the Council were Twitted to tuncheon by the Winnies head of Trade, and at the luncheon head nor copsed, and brend made with polato flour was avered.

flour was served. The delegates present at the Coun The delegates present at the Could cil meeting wore as follows: From Ontario, R. W. E. Burnaby, Jefferson: M. Doherly, Maiton; J. J. Morrisea, Toronto. From Alberta, H. W. Wood, c. connerty, station; J. J. Morriso., Toronto, Prom Alberta, H. W. Woo, Castalars. (Preshdent); P. Baker, Ponotas; Rice Sheppard, Edmonton; C. Ribe-Jones, Caigary; J. W. Leidy, Whitecourt; J. J. McLeilan, Purpo Borings, Prom Baskatchewan, Bas-George Langier, Rogins; J. B. Maas-man, Regins; A. G. Hawkes, P. Kosie, J. E. Payner, Tantalaio, J. Striver, J. F. Beid, M. P., Orzadar, From Mani-toba, Hon, T. A. Sonnd; Peter Wright, Myride; W. M. Wood, Winniper; Jaha Kennedy, Vonniper; J. R. Muray, Winniper; Norman P. Lambert, Win-per, (Beenstary); G. P. Chipnes, Winniper; W. J. Heasty, Winniper;

## Company Notes

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Powell estimates that the Mr.

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at \$45 but the an emb U.F. Co. Chathan consider but mus rain ra tive.

The U. THE Un year end follows: In con must be are this that all vention

Cash on Bank Accounts Farmers' Co. Stock Bu Stock Bo Office Fu

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Accounts

Surplus

Membersh Life Meml Collection etc. ... Surplus count Surplus B

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## 1918.

sir ser-sin that levoting roblem e re-abeturned, irn from exprestowards problems r all and welfar il follow attention the con uched ou Andrews d to Osborne

ba, in ad Nationa out mov Council in th D. Mac-lay Scoula

Fibre the West Bureau de was rean, Messra ol. Grassie, d the Council of an investi of intro da two new nufacture of ufacture of view to the and of other tion was as Douthit and States, who d to the pro will be dealt The mem e invited to eg Board of on these proe further dis-

at the Cour llows: From by, Jefferson J. Morrison From Morrisoa H. W. Wood, Bake Edmonton; C. W. Leidy, Lellan, Purple Hon chewan, ; J. B. Mussel wkes, Percival; n; J. L. Rooke, Eastview; J. From Mani-Winnipeg; J. Peter Wright, Winnipeg; Joha I. R. Murray, F. Chipmen, y, Winnipe

### Notes

o be able to insecretaries," đ. Powell, manarmers' Coopernited, "that we ents whereby we tations on track in many cases price than is of-rould be pleased otations by wire

ment ruling we n the market for ered. We see no id not do a large to the advantage

mates that the

### December 5, 1918.

apread in elevator prices and U.F.O. prices will from three to seven cents a bushe, form three to seven cents a bushe, formation of the tition at local depending on compary is offering for immis. The company feed was going to the Unit. This feed was going to the Unit. an embargo on this article and the U.F.C.O. is able to offer it at 355, fo.b. Chatham, Ont. At this price it is considerable cheaper food than bran. but must not be used as an exclusive grain ration, as it is extremely laxa-tive. apread in elevator prices and U.F.O.

## The U.F.O. Financial Statement

HE financial statement of the United Farmers of Ontario for revenue and expenditure for the year ending October 31st, 1918 is as follows

In considering this statement it musit be remembered that all dues are this year paid in advance and that all expenses of the Annual Con-vention have to be met out of this seemingly large surplus. Assets.

#### Cash on hand and in Bank Publishing Farmers' Co. ..... Stock Buttons ..... 359.79 70.00 Stock Books 133.53 Office Furnitura .... 211.65 -\$8947.77 Liabilities. Accounts payable .... \$189.03 Surplus ..... Receipts. \$8758.74

Membership Dues .... \$9890.07 Life Membership 12.00 Collections, Donations, ote 2177.18 Surplus Buttons, ac-579.83 Surplus Books ..... 304.42 -\$12963.50

PRESIDENT :

Hemmingford, Que.

S. A. CLELAND.

FARM AND DAIRY Disbursements and Expenses.

Annual Meeting, 1917.\$1258.22 Club Organization ... 1154.38

Printing.

144.17

402.38

316.15

58.20

199.00

200.00

Circulars,

Postage Advertising .... Travelling Expenses

Toronto

Delegates to Ottawa Special Convention,

Newspaper Committee

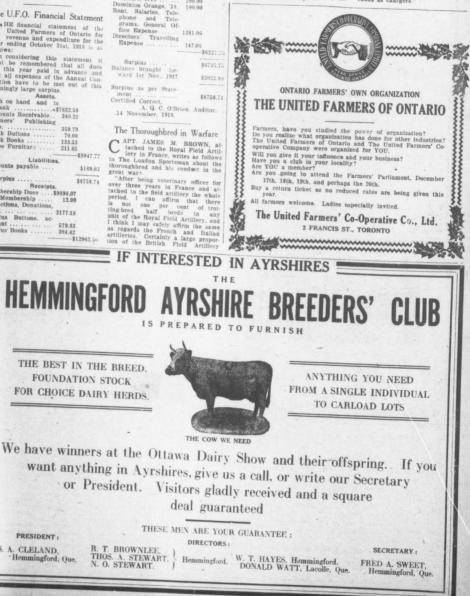
Can. Council of Agri-culture, 1917

Can. Council of Agri-culture, 1918

break are American or Argentine bred, but I should say the large ma-fority are Percheron crosses of ron, Bonlanis or Breion or crosses of these breads. I understand the Boi-gian artillery are now similarly horsed to the British. The cavalry, French or British. are horsed with thoroughbred crosses or half-breds, and offan three-quarterbreds. I can vouch for the fact that the better bred the animal the better be is un-der shell fire. A thoroughbred ani-



mal can be trained to stand any amount of shell fire, and surpasses in courage and stamina any other bread. I think one would be hard put to it to find a single Amerigan trotter that is used as a recognized officer's charg-er by any General, brigade of artil-lory or Buttery commander. On the lory or buttery commander. On the part of the stamper of the stamper find pland I will, without difficulty, find pland I will, without difficulty, find pland I will, without difficulty have great difficulty to tait the windle have great difficulty to tait the above ranks as chargers." mal can be trained to stand any





FARM AND DAIRY - NESS -LEADERS FOR OVER A QUARTER CENTURY Ayrshires and -Clydesdales Imported and Canadian Bred

Holehouse Hopeful, one of our junior herd sires. A winner at Toronto, Ottawa, and Columbus in 1918. By the use of such sires as this fellow, the future excellence of Burn-

# **Burnside Stock Farn**

I AYRSHIRES, we can supply your wants in either sex, imported or Canadian bred. This stock will be from cows with records run ming up to 17,000 lbs. milk in R. O. P., and by that great size. Hobs-iand Masterpiece, who is an R. O. P. is in Scotland. Canada and the United States. We intend importing next spring, and would carefully all any orders entrusted to us.

December 5, 1918.

ONT

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from RIO

D

N CLYDESDALES, we have been taking a leading position at the big fairs, having been heavy winners in all ages and both sexes. We have now some excellent fillies and young colts by our great sire, Sir Spencer.

(43)

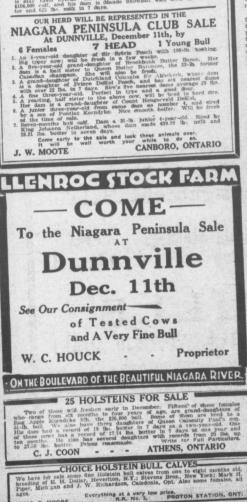
1363



Harley Holm White Rosio 3rd, 1st prize and gr. champion at Toronto, Ottawa and National Dairy Show. Chapmanton Henney, 1st and gr. champion Ormstown, Toronto, and Ottawa, 1917; 2nd prize Toronto, Ottawa and National Dairy Show, 1918. Three of a Kind-And the Right Kind, Too.

Winners-Ist, 2nd and 3rd at Toronto; 1st, 2nd and 5th at Ottawa; and 1st, 2nd and 6th at Columbus in 1918, in competition with the best that erica can produce. Reading from right to left-Harleyholm White Rose 3rd, Chapmanton Henny, and Carleton Baroness. R. R. NESS & SONS - HOWICK, QUE.





CHAS. E. MOORE,

Dairy Farming in the Kelowna District There Has Been a Rapid Development in This Industry During Recent Years-By T. A. F. Wiancko, Provincial Dairy Instructor

cent Years-By T. A. F. Wianck The second state of the second state of the second diverse of the second state of the second main the Kelowan Valley during the split it was generally accepted that the kelowan Valley during the split it was generally accepted that the second state of the second the second state of the second second state of the second state second state of the second state of the second state of the second state second state of the second state. Tractically all nood products for the

Practically all food products for the practically all food products for the family, more especially such as but-located the special sectors and the process of the special sectors, and the special sectors inroad a the fammer's income. It was a common sight in those days to see the fammer is none in home with a fam of farmer come to town with a few or-chard boxes full of choice fruit, for

possible that she would do for the Kelowna district what she had so un-mistakably dono in other communi-ties. Accordingly a movement was set afoot towards the establishment of a creamery which should take care of the milk and cream that would preof the milk and group that would pre-sently be produced by the prospective patrons. In this the assistance of the business men of the city was easily ealisted, since these same business ever would benefit the framers would in turn help to fill their cash register, and improve easilitions in the give and improve conditions in the city. and improve conditions in the city. They were, to use a common expres-ion, "fod up", with giving long credit to the farmer, and in tae new move-ment saw visions of the days when bad debts would vanish from their books and a strictly cash basis would govern all their transactions with the termerfarmers.

December 5, 1918.

farmers. Consequent upon a thorough canvas of the district .ring the spring of 1915 it was found that several hun-ford cows were available within easy having or shipping distance, and a promise was obtained from many farmers that in the event of a cream-ery being established they would im-mediately purchase cows and become

19 H.

One of the good cows in the consignment of Mr. T. Wilcox to the Niagara Breeders' sale at Dunnville. Look up his advertisement of page 45 ci

which he got but a very small price, and return home with such necessities as butter, eggs, bacon, and a few cans of condensed milk under the seat of his rig, and perhaps a bale of bay to feed to his work horse. Conditions such as these could not go on much such as these could not go on much longer, and the farmer began to scratch his head and wonder if he hadn't made a serious mistake in le-coming merried to a one-crop system. Should not also engage in some other line of asriculture which would other line of asriculture which would give him a more steady income the year around? This could best be ac-complished by keeping live stock. This at least would assure him a good This at least would assure him a good share of his home supplies, such as milk eggs and bacon, and jossibly have a surplus to be marketed. It would at the same time assist in keep-ing up the fertility of his fand, and also give him supployment at the year also give him employments all the year pound. The Cky of Kelowna with its several thousand inhabitants, would several thousand inhabitants, would afford a market for a large quantity of live stock products, and s "e Brit-ish Colambia was importing very heavily in such products a ready mar-het should be insured for many years

Business Men Interested in Creamery.

In all progressive farming com-munities the dairy cow had played a very important role in bringing about improved conditions, and it was surely

patrons. This was encouraging. But patrons. This was electrized by the capital for the necessary building and equipment to be raised? Money was indeed scarce and hard to obtain. An estimate of the cost of a suitable plant and building was made suitable plant and building was made by an energetic committee, assisted by members of th. Provincial Dairy Division. A building could be leased at a low rental, and at a small outhy could be converted into a suitable creamery. The plant would cost in the neighborhood of \$1,600, and in or der to sale this appoint it was done der to raise this amount it was de-cided to put on the market a block of clided to put on the market a block of 35 shares of capital stock at \$50 per share, to be paid in instalments, ar-nagements being made with the bank take care of the unpaid balances. Upon Mike Hereron, than whom there is the Okrassen fall the reargement

man in the Okanagan, fell the respo sibility of selling the stock, which he finally accomplished by reason of his unbounded enthusiasm and faith in the project. It must be mentioned, also, that the provisional board of dialso. that the unovisional board of di-rectors were men of the right type and willing and eager to spend their time for the good of the community. Mr. W. G. Benson, as secretary, very generously underbook the task of or gamization without remuneration for the first year.

A Slow Start-Then Success. With sufficient money in hand,

#### Decembe

therefore, creamery w in June un S. J. Thom experience cream cam small quan as cash reta more took cream they along nicely the busines sure a smal needed im; larger volum plant is pro in the provi of butter wi sides this, ice cream needs of the rounding tow

With mod facturing onl and keeping high awards provincial an At the Calg 1918, Kelow money in a c odd entries.

The future trict is assu are engaged desire to go b In fact, they a plans for gree They believe, order to keep necessary to r the maximum are best suite Nowhere in t and corn, the feeds, do bette district. Prov the proper sto silos are sprin numbers each ing their ban houses, and m

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Niagara 10 45 cl

aging. But e necessary be raised? and hard to e cost of a s was made ee, assisted incial Dairy d be leased small outlay a suitable 0, and in or t it was de-at a block of k at \$50 per talments, arwith the bank d balances. than whom siastic dairy ll the re ck, which he reason of his and faith in e mentioned, 1 board of di-

he right type e community ecretary, very uneration for

Success. ney in hand, December 5, 1918

therefore, to make a modest start the creamery was ready for business early in Juse under the management of Mr. provements which make for more conomy and efficiency in handling their business. The improvement of the dairy herds

of the community is receiving atten-tion in a manner that will assuredly to the Community is receiving access tion in a manner that will assuredly in the manner that will assuredly in cover a start of the asy produc-ing covers large brought into the dis-trict and quicks brought into the dis-trict and quicks brought (so to partors) of the created single start of the progeny of the created start of the progeny from these are now beginning to show the wisdom of such a pologr. During the summer of the present During the summer of the present During a Kolowra Holstein Breeders' to establish a Kolowra the breed to be que-breed femala were purchased centre. Quite a humber of very line pure-bred females were purchased from leading breeders at the coast and distributed to the various mem-bers of the association. Thus, in the space of three or four years this community has built up one of the best through the spirit of cooperation among its members this district has more prosperous homes and contented farmers.

### Silage as a Feed

ORN silage of itself is not a com C OINN slage of itself is not a com-plete nor a well balancet ration young cattle, when mixed will chan or out hay, it will do very well as a winter ration. It have seen young as the est whoat straw with aridity when mixed with silians and orome through

the est whoat straw with avidity when mixed with stage and come through the winter in very good condition. In faeding dairy cows, altalia or clover hay is the logical roughage supplement. When supplementing with grain feeds, use such concen-trates as bran, shorts, ell cake meal or cottonseed meal, all of which are rich in protein. Oats, barley or corn are not the best supplements to corn ensilage.—J. H. G.



For Catalogues send to W. L. HOUCK, STEVENSVILLE, R.R. 2 Ont. Sales Manager-JOHN MOOTE

Greating was reacy for Distinges early in June under the management of Mr. S. J. Thomas, a man of many years' experience in creamery work, At first cream came in very slowly and in small quantifies. However, as soon as eash returns began to come in many more took heart and added what little clean they produced. Things went changes and the state of the state of the same as and state of the state of the same as a state of the state of the same as a state of the state of the same as a state of the state of the same as a state of the state of the larger volume of bunes in Joant to plant is produced in the state of the in the province, and largerly collected plant is progany the most up-to-date in the province, and the yearly output of butter will exceed 100,000 lbs. Be-sides this, quite a large quantity of loe cream is manufactured for the needs of the City of Kelowna and sur-rounding towns.

rounding towns. With modern pastenrizing equip-ment and scientific methods of manu-facturing only butter of the finest kind and keeping quality is produced. Very high awards have been secured in both provincial Alberta competitions. At the Calgary Exhibition in Juno, 1315. Kelowana got into the prize monsy in a class comprising some 150 edd entries. unding towns.

The future of dairying in this district is assured. Most farmers which are engaged in the business have no desire to go back to the old conditions. lesite to go and a fair of contributions. In fact, they are laying comprehensive plans for greater things in the future. They believe, and rightly so, that in They believe, and rightly so, that in order to keep up with the game it is necessary to make out the game it is necessary to make out the game it to maximum of these trees which are best suited for milk production. Nowhere in the country dees alfalfa and corn, the two gratestor of all dairy feeds, do botter than in the Kelowna district. Provision is being made for the proper storage of these feeds, and the une springing up in increasing the proper scorage of these feeds, and slos are springing up in increasing numbers each year. They are enlarg-ing their barne, putting up milk houses, and making many other im-

Head

John Moote, Canboro. Warren Stringer, Dunnville. J. Dyer, St. Catharines. William Harvey, Canboro.

AUCTIONEERS. B. V. Kelley, Syracuse, N.Y. Frank Montague, Dunnville. Wm. McQuillen, Dunnville, Ont.

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December 5, 1013.

## FARM AND DAIRY

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THE

December 5. Farm /

## Stanchio

the calves a large pen, d feed them by . When the aften is spilled, et part of the Very simple sta structed to preve sure the equal



sucking one anot kept in the stanc after feeding. A calf stanchion

of cheap or scrap ally 36 to 40 incl four-inch space fo design for a pro

## A Four-H

W HLL you kind and Dairy a good fourho walking abr go

The diagram he whorse hitch

you, as a stockman, or as a dairy breeder are not using Oil Cake to-day, you are losing money not only on the output of your animals, but also on the present feeds you use. Oil Cake Meal enables your animals to make better use of all other feeds used with it. It is the acknowledged, universal great food tonic and laxative for every farm animal from horses to hens. The best farmers in the old country and in many sections of Ontario have learned this fact. In England, a farmer wouldn't think of trying to handle stock well with-

Puts Every Animal in

A liberal use of Oil Cake Meal will keep the team glossy and in good out oil cake.

Aways ask for LIVINGSTONE BRAND-the original and still to day. The most widely used Oli Cake in Canada. Put up in 100-lb. bags. Write us direct if your dealer cannot supply you.

They all use it.

the Pink of Condition

DOMINION

Baden, Ont.



LINSEED OIL COMPANY, Limited Winnipeg, Man.

health; it will insure stronger foals; it will increase the milk flow when prices are high; it will grow stronger, sturdler calves and insure

when prices are high; it will grow stronger. 1 quick gains with the isteers. For sheep, it means healther lambs, and more mutton for the feed consumed. For pigs, it mures bet-ter mothers, bigger litters and thrifty hogs. And we make these statements, unqualified-by. They are not true because we can so-but because they have been proved true, and acknowledged by every moded Agricultural College and Experimental Farm in America. They all use it.

The Only Men who need not worry about the health, vigor and "fettle" of the Herd Sire are those who feed Livingston old process, OIL CAKE MEAL

With little exercise, a Sire specially needs Oil Cake.

rever four-horse mly used. The lin reteam can be a ar horses, if they a th the addition c ach from the bit of a on the hames of nite measuremen not be given. Th size of the hors



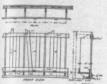
December 5, 1918.

ember 5, 1013.

## **Farm Appliances**

### Stanchions for Calves.

the calves are kept together in a large pea, it is very difficult to feed them by hand unless they are d. When they are loose the milk tied. When they are nose the milk often is spikled, and the larger calves get part of the smaller ones' share. Very simple stanchions may be con-structed to prevent losses of milk and insure the equal distribution of the



teed. To prevent the calves from sucking one another, they should be tept in the stanchions for some time after feeding.

ster feeding. A calf stanchion may be conseructed d cheap or acrap humber. It is usu-ally 35 to 40 inches high, and has a burknoh space for the calf's head. A design for a practical stanchion is gown in the diagram herewith.

### A Four-Horse Hitch

W ILL you kindly publish in Farm and Dairy a diagram showing a good fourhorse hitch, all four arese walking abreast. I want a hitch at will give good control over the brees and one walch requires the driver is hande just two linea...C. J. B., Feel

The diagram herewith illustrates a four-horse hitch which is popular popular

herever four-horse teams are com-may used. The lines used for a two-reteam can be adjusted to handle ar heres, if they are good and long, in the addition of four straps to as from the bit of one horse to the ages the hances of the horse much it.

the measurements for each strap and be given. This will vary with a size of the horses and with the as of each individual teamster.

one of many hitches.

## imited

ION

the milk flow

lves and insure

who need he health, f the Herd ed Living-

## MEAL

Sire specially ake.

There are others which find greater preference with some teamsters but its popularity would seem to indicate that this one is at least as good as others.--F. E. E.

FARM AND DAIRY

#### A Bucket Rack

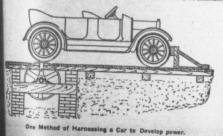
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above the stanchions until needed

## Power From Farm Car

<text><text><text>



THE HOME OF RICHARDSON'S HOLSTEINS



Pailidin Beets of Riværside, one of the good ones in the Riverside herd, the stad that we develop and offer for the public. 23.24 Day buttler, and 503.5 he wait a junior 4-year-oid, daughter of King Johanna Yontiao Korn-dyke and sister to our present herd sire.

## **Riverside Holsteins**

have been doing good work at home, but what is of still greater importance they have been doing still better work in other herds all

**Riverside Stock Farm** has produced the following fam

J. W. RICHARDSON - Caledonia, Ont.

## A Rising Herd



BELLE ABBEKERK 2nd, 1st prize Sr. Yearling at Canadian National and Western Pair, 1918. Her calf will be by May Sylvia Cornucopia. A Sample of Our Foundation. Her dam and Sire's Dam Average 29.63 lbs. in 7 days

## JUST A WORD ABOUT OUR FEMALES

JUST A WORD ABOUT OUR FEMALES that will mean in the next county of months. A funitor 4-year-old with the provide the second second second second second second to be written to be the second s

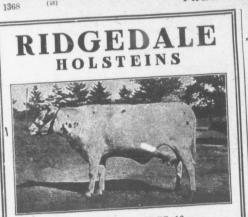
Correspondence Solicited.



1367

(47)

## FARM AND DAIRY



(48)

## World's-Record Heifer

Lakeview Dutchland Colantha Rose, highest producing 2-year old with 1st calf, 31.71 lbs. butter in 7 days. We have the good ones, both male and female.

Let Your Wants Be Made Known

RIDGEDALE STOCK FARM F. A. HESLOP, Prop. **ONTARIO** (RR. 2) FREEMAN

## A Frank Talk to Live Stock Breeders Extracts From an Address by C. A. Stannard

HERE is no man that needs to be

THERE is no man that needs to be more careful of his reputation for truth and honesty than the breeder of pure-breed live stock. His whole business success and future de-pends on his straight-forward, honor-able business methods. No cach busi-ness that cheats, success of the stored last in the pure-bred live stock busi-ness that cheats, wrongs or defrauds his customer. In selling your breed-ing stock, if there is a blemish on an animal, call the prospective buyer's at-tention to it. In other words, treat your customer as you would like to be treated if your positions were re-verged.

Be prompt in answering your corre-spondence, be prompt in sending the papers for your live atock to the pur-chasser. In yoy time I have bought a cool many pure-bred cattle and I be-liere sensury. For the percent if not ninely per centry. The percent if not ninely per centry. The percent if not ninely per centry of them the three or four while before I would get a reply, others I have had to write and tele scale and you would hardly believe and see, and you would hardly believe me if I abouid tell you how many mecords: not only careless, but I be livene some of them are dishonest with themselves and their associations. **Pure Carelessness.** versed. Be prompt in answering your corre Pure Carelessness.

Pure Carelessness. This develops when you have sold a cow to someone and a call comes and conflicts with the previous call and the secretary calls you down and says that it is impossible for the cow to have two calves in six months. This comes from pure carelessness. You have neglected to set down the date at the time the calf came. Two or threat months later you have attempted to guess at the date that the calf was born, maybe six months later and you

ress by C. A. Stannard have missed it, and the result is a conflict of calves and you are called down by the secretary, humilisted maybe asked for your book. Bits call you have neglected to record his call could record at a nominal fee, and then to avoid the penalty you dated it ahead, and when you came to record the next call you creat hout the previous date and your creat hout the previous date and your were caupit the whole thing beings. If you will just heed things. If you will avoid all of these mistakes. Too it now."

December 5, 1918.

of these mistakes. "Do it now." For fifteen years I served on the board of directors of the American Hereford attle Breedere' Association, and I soit a very good idea of how many mere careless in their re-there were not so many mer board either and the their their board were diabonest, and when their many men were careless in their re-cords. There were not so many men-that were dishonest, and when their strention was called to it and they saw how important it was that the re-cords should be used to a solution rect, they reading care the associa-tion were imore was something I could say of a to its market. I wish the of the society of the association were importance of promptness and accuracy in your re-cords. If your operations are large invised and they accuracy in your re-cords. If your operations are large invised and they are bired man that looks after your record, I would say pustness. Every three or four day may herding record of that day, all they here died and the diseased in which they died if he know, happened pe-taining to the live stock, and what a (Concluded on page 52.)

## SIRE **CANADA'S COMING**

## A Grand Pedigree

His Dam: Lakeview Lestrange, 741 Us. milk and 38 lbs. butter in 7 days. His Sire; Dutchland Colartha Sir Mona, who has produced more Champion daughters than a brother to Dutchland Colaratha 246, 22,750 lbs. milk and 858 lbs. butter at 2 years.

### CHAMPION SISTERS.

Lakeview Dutchland Artis, Canadian Champion mature cow, 43.06 lbs. butter and 654 lbs. milk in 7 days.

Lakeview Dutchland Queen, 34.65 lbs. butter and 708.5 lbs. milk.

Lakeview Dutchland Calamity Rose, world's champion two-year-old with first calf, 31.71 lbs. butter and 510.4 lbs. milk.

### His 38 lb. Dam



Lakeview Lestrange, 35.05 lbs. butter and 741 lbs. milk, cond highest milk and butter oow in Qanada. A. J. TAMBLYN, . .



LAKEVIEW JOHANNA LESTRANGE. whose dam and sister average 40.56 Hos. in 7 hays, is with the plion of his full bro-her, the only

BULL IN THE WORLD BULL IN THE WORLD whose first seven sisters hold nine Canadian and two world's records. Every generation in his pedigree contains Canadian all world's records. As my herd is not large I offer she has him for SERVICE.

SERVICE: Aready I have stated some of the best cown in Canada. Du added to the list: Mer-foldowing labely Peesh, with 26,48 lbs. nor-main 1041 Des. butter in syster, and ays, and Burke, 31.30 lbs. butter in syster, and ays, and Alice Tensen Cill in seven days. We can alice the Cill in seven days. We can be appendid individual. The above phono base taken on a dark cost its first cast is how a forw which have a permission and the permission of the seven days.

Cedardale Stock Farm

From Every Angle HIS BROTHER:-Lakeview Dutchland Hengerveld 2nd, the unbeaten show bull of

America. The dam's sisters, Lakeview Queen 3rd, Canadian Champion 2-year-old in eight monthy division ad 25.34 Mes. as a 3-year-old, without going dry between the two

Lakeview Calamity Countess, 32.46 lbs. utter and Lakeview Queen 3rd with 30.16

Likeview Calamity Countess, 23.16 and butter and Lakeview Queen 3rd with all bar. ORAND SIER, Celantha Johana 14. who has produced more cows will over 600 hb. milk in soven owy with Pontio-ter two stress, also rol 3-bb. daughters. Ere is chosely related to Seals Fay-johanna, word's chargenies to Lad, grand chargenie word's chargenies to the source bas he, butter, it. Louis Exchibition, and chargenies bails for source word's record than any other site. And has ever held all words could from one day to one year at the same time.





Lakeview Dutchland Artis, 43.06 lbs. butter in even days, Canadian champion. - ORONO, ONT.

## DUT

December

H E way pion champion Lakeview milk 705.6 Colantha I with first a in the worl with over ! have held world who being kept particulars

LAK

December 5, 1918.

## er 5, 1918. ders

result is a umiliated and Maybe ooks. cord this calf in which you fee, and then dated it you ame to record ot about the were caught occasioned by s. If you will will avoid all o it now."

served on the the American rs' Association, idea of how ass in their ret so many men and when their to it and they was that the reabsolutely con iesced, and the s of the associa them vanished nething I could on every man breeding of he importance of racy in your re-ations are large a hired man that ord, I would sug-I use this in my ee or four days keeping track of lace, hands me a ay, showing the that day, all the cattle that may sease from which ws, and any other we happened pertock, and what he

ngle Dutchland Queen 3rd, Id in eight as a 3-year-en the two

Johanna ha Johanna e cows with tys than any with Pontiac daughters. Segis Fayne Segis Fay seven da le Lad, gra

D, ONT

n page 52.)

s, 32.46 lbs. d with 30.16

Major F.E.OSLER PROP

## The ORIGINAL HOME of LAKEVIEW HOLSTEINS

FARM AND DAIRY

LAKEVIEW STOCK FA

"HE above cow, Lakeview Rattler, was the first Holstein calf ever born on Lakeview Farm. Her dam, Rose Rattler, and her grand-dam, Calamity Jane, made Mr. George Rice famous the world over as a breeder of the Black and Whites, as has Lakeview Rattler made Lakeview Holsteins famous the world over, and good luck follows her, or her blood lines wherever it is found. Rattler was once the highest producing butter cow in Canada in the 7-day division by producing 724 lbs. milk and 37.54 lbs. butter. In nine months she gave over 20,000 lbs. milk, and 8 months after calving 1412.4 lbs. milk and 61 lbs. butter in 30 days,

# COUNT HENGERVELD FAYNE DEKOL

was the first herd sire. He is well known to-day by the records of his daughters. The first was Lakeview Lestrange, who made 38.06 lbs. butter from 724 lbs. milk, average test 4.14 per cent, only equalled at that time by one other cow in Canada and to-day only by her own stable-mate, Lakeview Dutchland Artis, the only 43.06-lb. cow in Canada, who is a

grand-daughter of this same bull. Lakeview Queen 2nd is another daughter of his, 30.16 lbs. butter, and Lakeview Queen 3rd, another daughter, is the Canadian champion senior 2-year-old 8 months after calving. There are a great many more good ones and a lot of young heifers still to be heard from. But-

(49)

T.A.DAWSON Mgr.

1369

# Oh-Boy-Look-

# DUTCHLAND COLANTHA SIR MONA----

E was the next sire, and look what his daughters are doing. And H hey are only beginning. Lakeview Dutchland Artis, Can, champion mature cow, milk 654.0 lbs., butter 43.06 lbs. She is also Can. champion senior 3-year-old, milk 567.9 lbs., and butter 34.66. Another, Lakeview Dutchland Queen, Canadian champion three-quarter cow milk 705.6 lbs., butter 34.65 lbs. Still another one, Lakeview Dutchland Colantha Rose, is Canadian and world's highest producing 3-year-old, with first calf-milk 496 lbs., butter 31.71 lbs., and he is the only bull in the world who has 27 sisters giving over 600 lbs. milk, and 20 sisters with over 30 lbs. butter in 7 days, and three sisters and two daughters have held world's records. His grand-dam is the only cow in the world who has held all world's records from one day to a year. He is being kept for service to a limited number of approved cows. Full particulars on application. Good young herd-headers always on hand



DUTCHLAND COLANTHA SIR MONA SENIOR HERD SIRE

We have appreciated the visits of the many Holstein breeders to Lakeview in the last year. Whether you are a prospective buyer or not, we extend you a kindly invitation to spend a few hours with us looking over our splendid herd. The farm is on the cement highway-Toronto-Hamilton and is easily reached by road or rail. The latch-string is always out at Lakeview. LAKEVIEW STOCK FARM - BRONTE, ONT. Liberal Rations or Light? Early Calving or Late? An Address

T HE problem of raising dairy heff-ers, involves not only the que-tion of economic feeding but also the influence of the methods of feed-ng and raising upon the later value

ing and raising upon the later value

of the animal.

of the animal. Many of the most thoughtful breed-ers are raising the question in their own minds and asking if it is possible to follow any method of feeding and management of dairy heffors that will work at more certain that she hefters

by Prof. C. H. Eckles



YEARLY PRODUCTION

are the words which herd. We are conc

## PLUS PONTIAC ARTIS THE CANADIAN CHAMPION 4-YR-OLD FOR BUTTER

Our berd now contains her dam and there formal else endints. Their is are as follows-Two maintine cowe two 4-year-olds, swo 2-year-olds, yearling, and three caives. Our intention is to build up our whole of this blood. herd of this bood. LONG DIACES EILESS. Our interior is to outin up our wennes of our herds, we past CER EILESS. To further the long distance propensities of our herds, we past few years we have had a sent of Evergreen March, 26400 He. multi end 1130 he. butter in one year, 11 hs. milk in one day. Also a son of Days Plantino Pleterije with 23,300 He. milk and 1207. Bardes these sizes we have three years of Duar Double A 1007. Berleds these sizes we have three years of Duar Double A 1007.

seven days. Besides these sires we have three sons of Plus Pontlac Artis. Two of them are sired by the above-mentioned buils and the other by Inka Sylvia Boets Ponch, the sire of May Echo Sylvia.

OFFERINGS:

Nothing just now-but some time during the winter we will have a son and three grand-sons of Plus Pontiac Artis, which we may offer. We have a possible to the source of the source of the source of the ver 20,000 bis milk in one year. If wanting something later on write us about one of these fellows.

W. LEMON - - LYNDEN, ONT.



LOOK US UP WHEN AT THE SALE



Besides this sire we are offering one of his daughters and a young bull. The young tollow's dam is Duchess Wayne Calamity, with 25.19 lbs. In 7 days, and he is a half brother the 24,000 lb. four-year-old. He is a splendid individual, and should go into a good herd.

The Heifer we are offering is from a 19 lb, daughter of Prince Aaggie Mechthilde, who has 18 daughters who average over 20 lbs. in 7 days.

We have a few choice bulls. One of them is the last son of the 24,000 lb 4-year-old shown on this page, and is by our senior sife, Canary Hartor, who hiso appears here with. The others are closely related on the dam's side and are stred by a son of Queen Butter Baroness, Mr. Haley's 33 lb. cow.

day. This built is a half brother to Bonerges Hartog, senior and grand champion at Toronto and London in 1913. Breeders wishing to secure a first class mature size should see about this fellow. "Don't judge him by the photo; come and see him." WALBURN RIVERS & SONS,

the text of feeding when young, and that all some desire to develop the ing fait. Some desire to develop the ingress of theres prefer coves medium sized or small for the breed. sized or small for the breed. Noting the absence of any definite information along these lines the writ-er several years ago started an exten-sive experiment for the purchase of ob-taining some data that would make it possible to decide to a one extent at least whether a good dairy cow is the product of heredity or the result of the method of raising. management of dairy helfers that will will be good produces. It is another application of the question as to the relative importance of heredity and environment. Does a good dair process dairy characteristics by incortance or is it a result of her transformed the birth to maturity? Is good dairy is by her owner? It is a well for encore in practice considerable difference in practice among cattlemen in regard to the

Opinions of Breeders Asked.

Before starting the investigation, questions were sent to a list of 1,000 solected breaders of dairy cattle to ob-tain their ideas on the subject. The nature of these questions may be seen from the following examples:

from the following examples: 1. How long have you been breed-ing dairy cattle and how many ani-mals are included in your experience? 2. Do you believe from your ex-perience that a dairy cow may be in-over-fat when young? 3. Are there any feeds that should especially be avoided in this connec-tion? It is a well known fact that there is considerable difference in practice among cattlemen in resideration of the feeding and handling of easily helfers. We find radically about the second some points. So at a very early age to have the second second the second have the second second second the second second second second to be quite well matured and state on the outle well matured and state milleproducing functions the most highly developed. Some any on bulky feed that any carly age only bulky feed and in large samp on the others for the second second the second second second second second second second the second second second second second second second the second second second second second second second second the second second second second second second second second the second second second second second second second second the second seco

4. How would you proceed if you wished to develop especially large animals? tion

animals? 5. Does heavy feeding when young result in a larger cow or earlier ma-turity than light feeding? 6. Does your observation indicate that the liberal feeding of roughage while young helps to develop a strong digention.

while young heips to derive digestion. 7. What effect has age at first calving on dairy qualities of the cow when mature? 8. What effect has age at first calving on the dairy form or dairy



Duchess Aaggie Wayne Mechthilde. This grand of has hus convoleted a year with 24,000 fbs. milk as 4-year-old; but unfortunately, failed to freshen are in time to qualify. Her hast buil calf is for an "Write about him."



INGERSOLL, ONT.

## December type of the 9. At what cows of yo size?

Replies

Replies to breeders rep dairy breeds started to to portant point of a light a ration durin the influence

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The result showed the n

heavy ration growth. The parative size

Age 6 mo. 12 mo. 41

18 mo. 49.

24 mo. 36 mo. 52. Mature 53. A liberal gr ed a much me the first two y liberal ration

animals some ture. The ligh er but conting the difference

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animal when combined, as with early calv were obtained

If you want to

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Fat In our exp in our exp ers, all regi the Holstein breeds. Co weights, mea

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### 1918.

## eiters Address

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Asked. vestigation ist of 1,000 cattle to ob-bject. The bject. The nay be seen és:

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age at first es of the cow

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grand cow milk as a shen again s for sale.

with 23,274 in 7 days, ith already one of the 15,284 lbs. s, and 101.4 now giving

this er family. ary Hartog,

The young he is a half ld go<sup>®</sup>into a Mechthilde.

4-year-old ears here a son of

ONT.

December 5, 1918.

type of the cow when mature? 9. At what age, on the average, do cows of your herd reach their full size?

size? Replies were obtained from 201 breders representing the four leading dairy breeds. Experiments were then started to test some of the most im-portant points, especially the influence of a light as compared with a heavy railon during the growing period and the influence of the age at first cair-ing upon the milking qualities of the cow shean matrix. In discussing the cow when mature. In discussing the subject the opinions of the breeders anglet the opinions of the breeders and the results of our investigations covering eight years will be mention-ed.

#### Fat Calves or Thin?

In our experiments we used 42 heif-ers, all registered, and representing the Holstein, Jersey and Ayrahire breeds. Complete records of feed, weights, measurements of growth and records of milk production were kept for each animal useful as the set. Weights, are and manues of glowin and for each of mink printicity on work hold ing periods were complete. One-hilt of these animals were raised on whole-mik and given in addition as heavy a grain ration as they would consume from birth to coming into milk. The other group of 21 were fed skim-milk and hay but no grain at all until after they caived. By this means the one group was grown at the fastest pos-sione of group was never in more than moderate condition and growth was alow. The results of our experiments aboved the most marked effect of the heavy ration was a much more rapid

heavy ration was a much more rapid growth. The following shows the comparative size of Holsteins at Intervals: Holsteins,

With grain Without Height Weight Height Weight 
 41.1
 42.2
 38.6
 317

 46.3
 654
 42.2
 43.2

 49.6
 91.2
 45.7
 598

 51.2
 1,110
 48.4
 731
 6 mo. 12 mo. 18 mo. 24 mo. 36 mo. 52.6 50.4 53.4 1,260 52.1 1,150 Mature A liberal grain ration not only caus-ed a much more rapid growth during ed a much more rapid growth during the first itwo years sepecially, but this liberal ration resulted in developing annals somewhat larger when ma-ure. The light fed animals grew slow-the toolfindined growing longer, so the difference between the groups was the difference between the groups was sprinkly built never entirely made up. The ilberality of the ration when young is then clearly a factor having some influence, upon the size of the annual when mature, especially if combined, as will be mentioned later with early calving. The same results were obtained with the other breeds. If you want to make a good advanced revisiry record with a two-year-old heller, of course, you must feed her very liberally up to that time, and she the really as old in development and will give about as much milk as a heifer raised on a ration of roughage when three years old. In other words, the more liberal the ration during the

40

HEAD

FRED ROWE

growing period, the earlier the animal

proving period, the saring the animal reaches matering. An interesting fast noted in our work is that cowe reaches the remains to three years before they are mains to three years before they are mains to three years before they are mains in weight. A Holstoin cow grows but little in akeleton after four years and none after five years. She gains in weight up to about seven years and at times even longer. A Jersey has notry her full akeleton growth at 36 yeight up to six years and possibly longer.

longer. Our results confirmed the opinion expressed by the breaders consulted regarding the influence of the liberal-ity of the ration upon the rate of growth and the final size reached.

### Age of Calving.

Age or Caiving. One-half of our 42 animals caived at an age which would be called early for the breed, about 24 months for Holsteins, 22 months for Jerseys. The other group calved at an average age of three years. of three years.

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Are Large Cows Desirable? Having discussed some of the factors influencing the size of animals it may be well next to raise the question as to the importance of the size of the

**BREEDERS** !

## FARM AND DAIRY (51) 1371 -CHOICE OFFERINGS FROM A CHOICE HERD THREE HOLSTEIN BULLS FIT FOR SERVICE From our Herd sire HILLCREST RAUWERD VALE Who is by a son of SIR ADMIRAL ORMSBY, the Sire of JENNY BONERGES ORMSBY, who made over 30 lbs. in 7 days for 5 years in succession. His sire's dam is Rauwerd Count Dekol Lady Pauline, Butter in 7 days, 30.47, Milk 721.6, Butter in 30 days 126. Butter in one year A.R.O. 1113, Milk 2900, dam of a 34-lb. 3

vears old His dam is Hillcrest Pontiac Vale. Butter in 7 days 29., Milk 530, Milk one year 22785, butter one year 986.

Two of the bulls offered are great grandsons, and one a grandson of Mercena Calamity Posch 26,448 lbs. of Milk, 1041 lbs. of butter in one year R.O.P. and over 60,000 lbs. of Milk three years in succession in R.O.P. Also one bull a grandson of above cow sired by Content Paul Korndyke, born Mar. 10, 1917.

We are also offering for SERVICE, the above mentioned Herd sire HILLCREST RAUWERD DEKOL.

WRITE US FOR PARTICULARS

## W. FRED FALLIS, R.R. 3 - MILLBROOK





a five-year-old cow due in March to a son of May Echo Prince, its are of a 20.6 fb. jr.-threes for sale an 15 months old grandburghing. For Champion, read son of Rag Apple Kordyke Bin, out of a 21 h. dam, that soid for \$3.00. We have also a choice make of presentee in out of a 21 h. dam, that soid have also a choice pair of pure bred Yorkshire sows, 31% months old,

For further particulars write. PETERBORO, Ontario R.R. No. 5, HARRY I. SEYMOUR,



JARVIS, ONT. 

Your Opportunity

cow to economical milk production and cow to economical milk preduction and whether we want a large cow or a mail one. It is a large animar desi-able? In general module desi-to produce desepting cows for a Most breeders have the arms breterence but some, especially those breterence but some, especially those breeders the smaller breeds, do not favor an animal large for the breed he smaller types. The cows that necessita without exception been and the look with more favor use that have made the largest milk and theore without exception been have made the largest mits and rat records have without exception been lirge as also shown that the highest production is found with cows that are large to be breed to which they be low. The indications are that the low. stimulation to give large quantities of milk may be inherited entirely indeof size. An undersized co pendeni of size. An undersized cow with a great stimulation to give milk is limited by her capacity to digest feed and cannot compete with a larger cow that has inherited the stimula-tion to give milk to a high degree and has capacity to handle the feed nec-essary for high production.

### A Talk to Live Stock Breeders (Continued from page 48.)

Communication from Provide the Communication of the rever ductarged, taking the breening records with them and relating to de-inver them to the owner until they made settlement with him on him terms for them. Just last spirit a phone and stated that is the shad charged his breinken the breeding rec-ords with Bollars for the return of the state of the state of the way to advise him to cohsult him lawyer and when he attrated him we herdsman in to adopt the daily conjust. December 5, 1918.

came back to town for scess reason or other, they had him arrested and the breeder compromised, making a settlebreader compromised, making a settle-ment with him and paying some little money for his record. In addition, he had are of several cases similar to this in my experience as a director of the Hereford Association. Some of them correstond very asping here of the occasioned very serious losses to the breeder.

## Milk Prices at Ottawa

Milk Prices at Ottawa ILK producers in the Ottawa district are demaiding an in-in the price of their milk, a jump from the cents to 35 cents. The milk demain the cents to 45 cents. The milk demain the cents to 15 cents. The milk demain was a case of de so or go without their ways a case of de so or go without their the cents to 13 cents. Consumer-raised the usual agitation, the Canada Food Board took action, and are now raised the usual agritation; the Canada Food Board took action, and are now conducting; through the Pair Price Committee appointed by the City Council of Ottawa, an investigation into milk prices. The dairy companies have been asked by the Minister of callon hot hone made

Labor to delay action until an invesi-gation has been made. All the experts called before the committee including Mr. E. S. Archi-baid, M. Geo. H. Barr, Chief of the Descriptions calls, function of the Descriptions calls, functing d the increase conditions fully justified the increase demanded by the producers. Mr. W. demanded by the producers. Mr. W. J. Scoble, manager of the Producers' Dairy Company, and W. F. Bell, of Britannia Bay, a milk producer, who was a competitor in the Prize Farms Competition conducted by Farm and Dairy space was a super allocations of the second pairs space was a super allocations of the second Dairy some years ago, also advanced Dairy some years ago, also advanced facts and figures to prove that the in-crease was justified. Mr. Proctor, who conducted the investigation for the committee, regretted that producers had not come forward in greater num-hers to support their end of the issue. The investigation was closed. Decembe

### FINANC

JARDES Ba have pairs to be Water to Jensey The Water to Jensey The Water to Jensey The Water to Jensey The Water and The Wat

ROOT AN

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Potato The returns that the tobal a toss in Canad loss ino

Root an Root an The total yiel roots is extimate from 34.047 acr of 355 bushels, here acress, 01 the base acress, 01 the base acress, 01 the base acress, 02 the acro of 134 figures last year. The previous acr other was 14.057 clove give was 14.057 clove acress, as acr, last year. The total across acr other acress, as acr, last year. The total acr other acress, as acr, last year.

tobe. The total area crops, including I hay and clower, al amounts to 12,321, ed with 9.576,568 r value at local pric

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The farm WM. S

To Buy a Sire that will rank as one of the Greatest Sires in Canada because he is backed by the greatest producing families No. 2-SIR KORNDYKE SYLVIA

## No. 1-KING KORNDYKE SYLVIA

## Born April 7th, 1918.

ALT

He is well grown, light and handsomely colored and a good

individual. His Sire being from a son of King Segis, that has a 40 lb. daughter and a 40 lb. and 37 lbs. grand daughter, and Pontiac Clothilde de Kol 2nd 37 lbs. The Sire's Dam S. C. Mignone 33 lbs

His Dam Helena Sylvia Posch, Butter 27.41 lbs., Milk 800 lbs. Milk in one day 116.4 lbs. She has 62 1/2 % same blood as

Born April 24th, 1918.

He is well grown, half white, nicely marked, straight top line, deep bodied, the sort they all like.

His Sire being from a son of King Segis who has 8 30 lb. daughters including Mab-l Segis Korndyke 40.32 lbs. at 4 yrs. The sire's dam a 3 times 30 lb. 'cow.

His Dam Plus Sylvia Burkeyje, Butter 16 lbs. at 2 years and 10 days of age under unfavorable circumstances. Her sire is a brother of May Echo Sylvia 41 lbs. and Keyes Segis Walker 34 lbs. Her Dam is Black Plus Burkeyje 26.67 lbs. with 4.6~%fat at 4 years.



## 1918.

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he Ottawa ling an in-per gallon i jump from nilk dealers figure, as it retail price reased from Consumer the Canada Fair Price investigation y companies Minister of an investi-

ed before the E. S. Archi Husbandman Chief of the that present the increase cers. Mr. he. Producers 7. F. Bell, producer, who Prize Farms by Farm and also advanced ve that the in-Proctor, who ation for the that producers n greater num-nd of the issue.

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at 2 years Her sire with 4.6 %

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December 5, 1918.

FINANCIAL KING BULL FOR

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## ROOT AND FODDER CROPS.

THE Dominion Buréau of Statistics publiches estimates of the area, yield and value of potato, root and folder crops for 1918 as compared with 1917.

### Potato Harvest of 1918.

Potato Harvest of 1918. The retires already public do naid public the state area planted to naid public the normal the year way from the part of the state area planted to naid public the state and the state area of the part of the state area

## Root and Fodder Crops.

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## FARM AND DAIRY

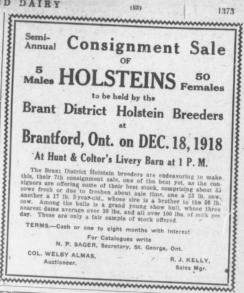
for 1918 to \$330,975,825, as compared with \$268,310,300 in 1917. Fall Wheat and Fall Plowing.

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SPECIAL ENCOURAGEMENT TO PUR-CHASERS OF REGISTERED SEED.

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## SPRINGBROOK FARM SOLD.



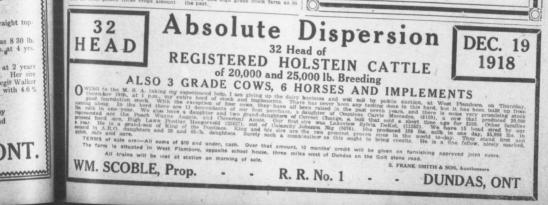
## Korngold Stock Farm PAUL HENGERVELD BURKE HERD SIRE HIS SEVEN NEAREST DAMS Average over 20,000 lbs. milk in one year. His Sister gave over 800 lbs. milk in 7 days. Yearly production is the basis of profitable dairying.

On profitable dairying rests the ultimate success of any herd. Therefore, pin your faith to the long-distance test. PRESENT OFFERINGS

4 young Bulls from the above long-distance herd sire, and from tested cows.

BLOOMFIELD, ONT.

WRITE FOR PARTICULARS F. J. McCALPIN





You couldn't ask for a much nicer young chap-clean, straight, the right color and choice breeding. Born April 11, 1918-now nearly ready for service.

Dam-Princess Artis (43627). Sire-Kitchener Kalmar (28222). Also cows and heifers bred to our Herd Sire, Sir Echo Segis Netherland (29437). Also a few grade cows freshening in February-priced to sell.

Woodward Jackson - Franklin Centre, Que.

# Mountain View Farm

The first prize senior bull calt at Sherbrooks, Broms and Valleyfield. His dam is strete by a grandson of May Echo Sylvis, and he is a son of Schulling Sir Pouch. His grand dam was a sister to Madam Posch Pauline.

## IN CHESTER WHITES

Boars-The first and second prize senior boars and first junior boar at Sherbrook trice and Brone Exchibition. The older ones are from old stock has a barned by the grand champion at Oltawa. The data was the grand anampion ave at Oltawa in 1917. They are all choice stock and will be priced at easy value. For further particulars write

M. W. MILLER, Mountain View Farm, Brome Centre, Que.



Midnight Gem DeKol, the first cow in the herd. Dam or Midnight Count DeKol and two others in the herd. Bin Der ten-yeer-oid record is 671 Bbc. cord 19,559 Bbc. milde and 876 Bbc, bott Boy. Her O.y. trice a day milking for sike molths. She is also dam of the senior herd airc.

A SPLENDIG RECORD Turing the parts for years, five expresentiatives them our herd of coupled and two charmonicables. Our made by a Rolassin coupled by the state of the state of the state of the state of coupled by the state of the year. The state of the state of the year. The state of the state of the year. The state of the state of the state of the state of the state while in one day. Too's flass the state of the state of the state the state of the state of the state of the state of the state the state of the state of the state of the state of the state while in one day. Too's flass the state of the state of the state the state of the state of the state of the state of the state the state of the s

TUESDAY, DECEMBER 17th, 1918

TUESDAY, DECEMBER 17th, 1818 A two-year-old helfer due at sale time, whose three nearest dams average over 16,600 the milk on size. A choice animal, well marked and stream. test over 16,000 are the size of the size of

INGERSOLL, ONTARIO

THE NIAGARA PENINSULA SALE.

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## THE "EXCELSIOR" HERD AT

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December 5, 1913.

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## SPREADING THE GOOD-BLOOD

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all Sales H.-R. B. Fry. k Farm, R. R. I. k Farm, R. R. I, Holsteins, 1TH, — Niagara aula Holstein W, C. Houck, t Dunnville. BTH,—Mr. Fred s Crossing, will istered Holstein

17TH. - Oxford Breeders' Club. TH.-Brant Coun-

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HE GOOD-BLOOD

December 5, 1918.

## FARM AND DAIRY

**PREMIER HOLSTEINS** 

## 40-lb. Sires

King Sylvia Keyes-621/2 per cent the blood of May Echo Sylvia, 152 lbs. milk one day, 41.01 lbs. butter with 1005 lbs. milk seven days.

L. D. Hengerveld 2nd-75 per cent blood of L. D. Artis, 43.05 lbs. (Canadian champion), also two world's record sisters. His sire has 20 sisters over 30 lbs., (daughters and sons of) Albina Josle King, with a 40-1b. dam, and her dam having three 40-1b. sisters, two near dams average 38.80 lbs. His sire with three 40-lb. sisters, and is a full brother to the first 44-lb. cow.

The Mighty Monarch, with a 47.35-lb. dam, 50-lb. grand-dam, 39-lb. great-granddam; three near dams average 45.49 lbs. His sire with three 40-Ib. daughters.



KING SYLVIA KEYES-No. 28566 5 Sisters Average 115 lbs. of Milk Per Day

## 100-lb. Dams

(55)

1375

The dams of the sires that have been and are used in our herd are mostly 100-lb. cows. The dam of King Sylvia Keyes made the even 100 lbs., of Albina Josie King, she averaged 103.6 lbs. for seven days, of the Mighty Monarch, she nearly averaged the 100 Ibs. for seven days. Combined with this very high milk flow is the pronounced 40 and 50-1b. blood. Absolutely ideal breeding is behind every animal that finds. a place in the Oak Park herd. If it is blood and breeding, type and conformation you are looking for. we have them in our herd.

# WE OFFER THE COMBINED BLOOD OF CANADA'S 2-401b. COWS EVENTUALLY YOU WILL BUY HERE-WHY NOT NOW?

## IN THE RING

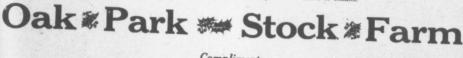
E had unparalleled success at the leading Canadian Exhibitions for a herd founded in 1914. Our males have been prominent winners of first places, champions and grand champions. Our females have met with the same success. This stock is a selection from other competitor's herds combined with other typey stock of our own breeding. It is well to remember this when you contemplate the purchase of a good foundation cow or a good sire to lead your herd.



EDGEMONT PRIDE-No. 17403 50% the blood of May Echo Sylvia 152 lbs. Milk in I Day

## AT THE PAIL

W E have in our herd over 20 mature cows for a foundation, and each member produced from 80 to 104 lbs. of milk per day with large 7-day butter records, from a normal per cent of butter fat, not abnormal. It is our aim to breed and produce cows that will milk the 100 lbs. at freshening and hold a high flow of milk for the year. We will achieve our aim as the official records backing our males and females strongly indicate great yearly work. Don't forget us when you are in need of males or females





HELBON BEAUTY BONHEUR-No. 30294 Grand Champion Cow, and only One of Our Heavy Producers Compliments of the Season

H. H. BAILEY MANAGER PARIS, ONT., CANADA

VISITORS ALWAYS WELCOME

Farm can be Reached from Either Brantford or Paris by Electric Radial

L. HENGERVELD WAYNE-No. 12430 Her Son for Sale. His 3 Near Dams Average 35 lbs.

WATCH OUR ADS. IN THE FOLLOWING ISSUES OF THIS PAPER

(56)

## MARKET REVIEW AND FORECAST

#### DAIRY PRODUCE.

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WHAT. Trade in Ontario while is true, too, of finite is "Guess". Fixed prices are as follower-Manitoba Wheat-in store, Fi-Villiam, nonsinal (not indexing: "Jee taxi: No. 1 northern, E23Mg: No. E1779; there, E23Mg, E211Mg, Ontario Whate-(rob. akepting: points, according to foints). A winter, Fi-14. to 52.32; No. 2 winter, E2.11 t

#### COARSE GRAINS.

COARSE GRAINS. The business marked is graded. The same is a single start of the same is a single

#### MILL FEEDS.

Mill foeds meet with a steady demand at fixed prices. Bran is quoted, Mont-real freights, \$37.36; shorts, \$42.25; Moul-Me at Montreal is \$68 to \$70.

#### HAY AND STRAW.

HAY AND STRAW. Good timothy hay is setting on the re-ful nurket here at 153 to 130 a ton, and or mixed and clover commands 135 to 158. Hay is quoted wholesale on track here. No. 1, 921 to 152; mixed, 324 to 521, straw, \$3.56 to 110. Montreal quotes No. 2 hay, per con, 324 to 155. POTATOES.

POTATOES. The solido ranket is still in a very un-melificatory position from the producers trained and W The scores overment into year has then as improvement in the market easiest he capacited for acket into io came. On quoted to the trade at posi-

### EGGS AND POULTRY.

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DAIRY PRODUCT. Local authorities believe that dars in the set of the initial back of the set of the the set of the set of the set of the the set of the set of the set of the the set of the set of the set of the particular of the set of the set of the particular of the set of the set of the particular of the set of the set of the particular of the set of the set of the particular of the set of the set of the particular of the set of the set of the particular of the set of the set of the particular of the set of

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#### Quotations:--

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## THE AYRSHIRE COW.

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cow. I understand there is a movement on foot to lot the public know the qualities of the Ayrahire cow, and it is to be heped that these breed manaful support, will now received strong front and advertise their come to the front and advertise their

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FARM AND DAIRY

## THE AYRSHIRE YEAR BOOK.

THE AVHIBINE VEAR BOOK. The annual minutes of the last An-main and Averphite Breeders' Ame-clation, is now to hand. As usual it of entry, scale of pells, formance, all lations for Reamens so far registered and marticulars as to Record of Performance acteriation the breed. It assess to beyonic tests of the breed. It assess to beyonic acteriation of the literation be well illustrate-cial and the 1913 year book is no accep-tion to the general rule.

**Holstein** News

RECORD MAKERS IN THE MAKING.

RECORD MAKERS IN THE MAKING. EDITOIL, FARM and Daky --I have never baid the commission of the second the second bar of the second second the second bar of the second second a table of C the vasion Bache Sylvis Pon-tiae (pre-bab), the most vasion bit hall in the world), from a \$0.38-0, he second the second second second second second second the second with A66 second second second these-second with A66 second s

#### AURORA MECHTHILDE.

W H HECKE Experimental Parm. commission, B.C., writes of the great commission of the page five of this issue of Parm and Dairy. The page five of the page five of the page of the page five of the matter cover at the vancouver Esthil-tion in August. She was than make Champion Holdelin, Premise over all the page of the page of the page of the cover of the page of the set of the page of the page of the set of the page of the page of the page the page of the the page of the page of

#### MR. LEMON'S HERD.

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### WILLOW GROVE HOLSTEINS.

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butter each. King's dam is one of the bast grad-daughters of Tdy Abbekerk (BST), the only cow in the Willaws produced 30 daughters and best dawnher of Eules daughters and best dawnher of Eules dans of the Champion Br. 2-year-old on Birton Michigan.

than of the Champion Jr. 2-year-old a the state of Michigan. Bitteen helfers (six milling) and one young built for heary paries of the well bred young site are of continuent distributions of the state of the dama of all these young aslimate are damand and grand der heathe Jewel bitter only left three built calves. The damand and grand der heathe Jewel bitter of the Mecheller (1991), who heather the state of the formation canada, and Six Abheller (1991), who would be the Mecheller (1991), who would be the Mecheller (1991), who were the state of the formation and the state of the formation and the state of the state of the best individuality are looking for foundation shee. For a beiter idea of the class of cathe

sale. For a better idea of the class of cattle on sale, write R. B. Fry, Drumbo, R. B. No. I, Ontario, for a catalogue.

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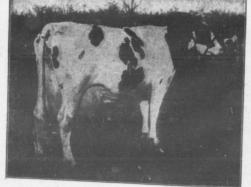
December 5, 1918;

FARM AND DAIRY

ROYCROFT THE HOME OF WORLD RECORD HOLSTEINS

## **Our Herd**

ore world's records than any other herd in Canada and more than any herd of similar size in America. It has size in America. It has more 30-b, cows than any other herd in Canada and it has produced the highest-priced famale ever sold in Canada, Het Loo Pic-tertie, \$12,759, world's record heffer, Our herd was started right. We had the proper fa-males to here more famales to begin with and by the use of still batter sires we have brought about a steady improvement. Our crop of young stuff ment. Our crop of young sturf new growing into maturity would gladden the heart of any Hol-stein breeder. They are sired by either one or the other of our three herd sires, Pontiac Korndyke Het Loo, a son of Pontiac Korndyke; King Segis Alcartra Spofford, a son of the \$50,000 bull, and Pontiac Echo Het Loo, a grandson of May Echo Sylvia. The heifers will go ahead and make still more world's records at Roycroft.



MAY ECHO SYLVIA 11385. The greatest mills producer the world has every known. Official milk record for one day, 152 having days, 100.5 Hz, 130 days, 116.5 hz; 60 days, 8220.1 Hz, 90 days, 11,355,1 Hz, ; days, 12,358 Hz, Official butt Hz, record for 7 days, 41.00 days, days, 153.72 Hz,  $10^{-4}$  days, 323.32 Hz, 10 days, 61.37 Hz, 106 days, 03.34 tbz. **Young Sires** We Offer

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Study the photos on this pa They represent the Roycroft combination. The combination that has made the name "Itoy. synonymous with world's records, the world over. Would you like to get "next" this com-bination? You can do so by sebinations of any hear of the com-curring a flow can do so by se-curring a flow can do so by any second works record hear of the second cost our May Solio Sylvia but and from one of our Hear Do Pis-fort, and Solio Sylvia but and from one of our Hear Do So-fort, and Solio Sylvia but and from one of our Hear Do fort, and Solio Sylvia but as a size to this hear of the Do Fister the the second second rest from the second second of the sport of the but as a size of the second second from the second second second from the second second second producting works record from the producting works record second producting works record second producting works record second

Date Junior herd aire la Pontiac Estas Het Loo, by Avondale Pontiac Estas a son of May Estas States and the son of Say Estas and a son of May Estas States and the son of the so Come to Roycroft for Your Next Sire



## HET LOO PIETERTJE, THE \$12,750 HEIFER.

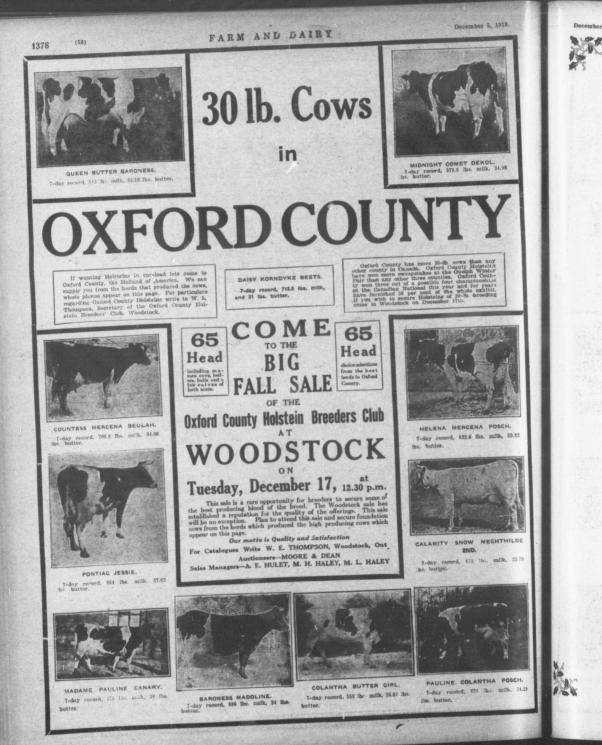
The two Presentations the Stafoo restricts, dischampion jumior imovementation for busine for seven, thirty and y days. Record for seven days, so 28 hos. butter from St he-Thirty days, 72201 be for days, so 28 hos. butter from St he-most businer from 4561.1 hes mount 282.6 hes milks situation to a seven days and the seven and the states re-tor as producing as Rooverson. We full helder oppresents the ther sets and skyold, respectively, and a so ther states re-t, her site has a should be held by the states re-t, her site has de should be held by the states re-diam have a son of this helfer in our herd which pre can set!

And Her Sire Pointiac Korndyke Het Loo, senior sire at Boycord ters, who are making sould be that has be of ters, who are making sould be the sould be the ters who are making sould be the sould be the ters who are making sould be the ters who are ters are ters of the ters who are term are term are term are term are term are term ters who are term are term are term are term are term are term ters who are term are term are term are term are term are term ters who are term term are term

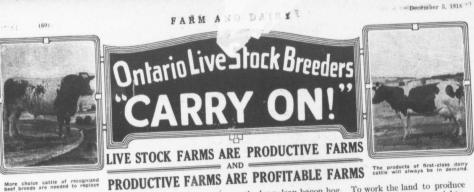
PONTIAC KORNDYKE HET LOO.



EINS.







More choice cattle of recognized beef breeds are needed to replace scrubs.

Through the period of reconstruction at the conclusion of the Great War good live stock will be, as it always has been, the basis of profitable farming in Ontario. Farmers of this Province should continue to place their confidence in high-class beef cattle, heavy-producing dairy cows, sheep which are valuable for both mutton and wool, and the long, lean bacon hog. To work the land to produce the feed for greater numbers of live stock more weighty, heavy draft horses will be required. Ontario Breeders will "carry on." The threshing machine stays longest on the farms which carry the heaviest stock, the granaries are better filled and the bank account of the farmer swells in proportion.

I Prices for all classes of good live stock are likely to remain high in comparison with prices of grain and feed. Any shortage in grain may be made up much more quickly than the world depletion of live stock can be repaired.



The Stock Breeder who stays with the business, breeds well, feeds well and culls carefully always reaps greatest ultimate profit. Through ups and downs the man who "sticks" prospers. The in-and-outer is usually out of pocket.

Prices of weighty draughters are ready for an upward trend. Good horses are scarce.

The live stock of Europe has been depleted by millions of head. Breeding stocks of the beef and dairy herds across the water have been slaughtered promiscuously. Sheep flocks and swine herds are at a low ebb. Already Europe is calling to America for breeding stock. Not only must European herds be built up but the population must be fed in the meanwhile and, particularly, thousands of our troops must continue to be fed during the extensive period of demobilization. Particularly must we produce meat and wool for the people of Great Britain and her Ailies. It will take years to make up the world's deficiency in live stock. Herds and flocks should be strengthened rather than dispersed Ontario Breeders never had such an opportunity. Breed for quality in all live stock that Ontario may do her part in establishing Canadian Brands on the British and European Markets.

If you are in the Live Stock Business stay with it. If you are not in, get in at once. You can use the money and the world needs the meat, milk and wool.

ONTARIO DEPARTMENT OF AGRICULTURE

