



You will have to go a long way to find a person who has had an accident with a "SIMPLEX" bowl. And, what's more! A worn out Simplex Link-Blade Separator

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The "Simplex" bowls are made of a very



ductile grade of seamless steel tubing, that even if it were subjected to an extreme pressure would stretch, but would not fly to pieces. The spindles are made of a special grade of high carbon steel, heat treated, to increase their toughness.

There is no safer or stronger bowl than the low speed SIMPLEX bowl, and this is a point that you should think about especially in these days of cheaply built high bowl speed separators.

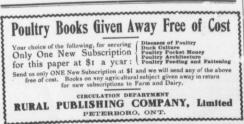
Note the heavy base and heavy rigid frame construction ;

Our aim is to make a Cream Separator that is stronger than is actually necessary. When you buy a Separator, buy a good one. The safest way is to get in touch with our nearest agent.

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## Light on New England Agri-

## culture

culture Maay interesting idelights on agriculture in New England were green the editors of Farm and Dairy greenteman who has spent the last few years in educational work in the United States, principally among New England farmers. "New Eng-land is in a unusual predicament," said he. "The people there have great markets, but agriculture is backward. About 40 years ago all who had any gumption went west. backward. About voyens ago m who had any gumption went west. As a result the men who stayed at home to till the farms of New Eng-land were of the poorest class. A home to till the farms of New Eng-land were of the poorest class. A tendency is now noted, however, for men who have made money in the west to return to their New England

Asked as to the financial condition Asked as to the manchar constraint of New England farmers as compar-ed with Canadians we were told that the majority of New England farmers the majority of New England Tarmers do not live as well as they do in Can-ada. "They arc, however," said our visitor, "making money. There is no reason why they should not, except for their conservatism, for they have great opportunities. There is an un-great opportunities. great opportunities. There is an un-limited market and a market that will pay well for finest quality. In many of the small cities a good per-centage of the population is composcentage of the population is compar-ed of wealthy men and in such mar-kets the best quality of eggs and dairy produce will command almost exorbitant prices. I have seen men make a specialty of dairying, poultry, vegetables, or fruit or flowers, and they are simply making barrels of money. The thing is to produce finest quality.

BOTH PROGRESSIVE AND OTHERWISE

BOTH PROGRESSIVE AND OTHERWISE "In some sections of these states, you will find the best machinery and motive power being used. In other sections all of the work is done by oxen. At some of our New England fairs I have seen 30 yoke of oxen in a drawing contest." a drawing contest."

a drawing contest. "How about their educational sys-tem?" we asked. "Their school system is very poor," was the reply. "Thirty-six "Their school system is very poor," was the reply. "Thirtysik weeks is a big school year. Twenty-seven to 33 weeks would be an aver-age. The length of the year is de-cided by the quality of the teacher. They pay \$300 to a Normal School graduate in a country school, and naturally they cannot get enough teachers as anyone with the same amount of brains can make more money in other lines. I have seen as low as \$96 offered, but board may have been included in that. In some have been included in that. In some sections also there are so few child-ren that they can hardly afford to pay a teacher.

#### ALL BUILDINGS ATTACHED

ALL BUILDING ATTAONED "One thing that used to amuse me when I first went to the States was the practice of having all of the buildings under one roof. For in-stance, if a farmer wants to feed his horses very early in the morning, he does not even have to put on his

They have a most convenient way "They have a most convenient way of handling the manure, though I doubt if the method is to be advocat-ed. The manure pit is just below the cow stable, and in cleaning the stables the litter is pushed down through traps in the floor. No lift-the at off.

"The average farmer lives fairly comfortably in his own home. The greatest social organization of the country districts is the Grange. It is a social rather than an agricultural organization there, and its influence in politics is great. The Grange is in politics is great. The Grange is also the strongest organization work-ing for the improvement of roads. Many Granges run cooperative stores. Still more buy feed, fertili-zers, coal, etc., at wholesale prices

#### October 19, 1911

"Our agricultural college in Maine is doing a great work. Last year we had an attendance of 125. The gra-uates take up agricultural teaching in high schools, some go west, and a large percentage become managers a large percentage become managers of gentlemen's country estates, get-ting salaries ranging around \$250 a month. A few go back to me farms."

#### Good Roads at Little Cost

R. Ellis, Colchester Co., N. S. Could anything be more unpleasant than jolting over an ordinary country road after a hard freeze in the fall. road after a hard freeze in the fall' Steering clear of the ruts and hollows before the freeze is bad enough. And yet the expenditure of a little energy in making a split log drag and a little time each month in using it would make all the difference between ground prod and a bid one. I see would make an the interface of the com-a good road and a bad one. I com-mend the following words of wisdom from a United States writer to all who are face to face with the good roads problem:

much has been written and said pertaining to the great benefits from the use of the road drag that many people beginning to use it become dis-couraged before they are well started. They should not feel thus as it often They should not reet thus as to offer takes a whole season for the road to become properly puddled and bakel, to withstand the rains and to the After a road has been worked with a fiber a chost time it is not well After a road has been worked with a drag only a short time it is not well to expect it to stand up to heavy traffic during a continued damp spell However, it without being affected. However, will take far heavier traffic than m earth roads receive to more than scuff

earth roads receive to more than sells up the surface. "It is not well to consider the benefits from a good road as soldy confined to heavy traffic, for the time saved to light vahicles and the greater pleasure derived from their use over good roads far surpasses the economy in heavy hauling. While driving over in heavy hauling. While driving over a well-crowned, smooth road the team does not have to follow the usual rut, no slacking has to be made for irregu-larities in the surface, and it matters not whether one or two horses are

being driven. HOW TO USE THE DRAG HOW TO UBE THE PALG "To insure the successful operation of the drag It is meccasary for the driver to use careful judgment. Some times it is essential that the black be held down so that the drag will ex-roots and weeds, while a to the trime the front edge abould not bur to heavily upon the surface that it will di-out a soft place which would be hetter of the cutking edge can be access plaked by the driver moving; back and lorth or to the right and left on the drag.

The provide the second second

with more care than on roads and "The distance from the drag day build to cause the initial bidde of the soil consists of minitial to cause the entiting of the soil consists of minitial course the entiting of the soil consists of minitial course the entiting of the soil consists of minitial course the entiting of the soil consists of minitial course the entiting of the soil consists of minitial course the entiting of the soil consists of minitial course the entities of the soil consists of minitial course the entities of the soil consist work when the use of the soils and work when the soil constant is in this safe work when the soils of the soils and working it are fully as beneficial as working the fully as beneficial as working th



#### litally Situated for Dain

FARM with great AMr. E. Budd, No whose farm stood of the Interprovincial I educted by Farm and heal for dairying. T the richness of the se ne of the Grand Trun niles from Cobourg, t cam and milk to Tore nd profitable trade in silv be built up. O ald also be entered in nate in this section of owing of apples. M ore are making fortu a large part of Mr. B anted to fruit growin The money-making . f the farm are enorme add has not been or ng enough to develop ties, but with well fort along the lines to rm is adapted by cl cation, Mr. Budd o nparatively few yea rease his income an is farm to an extent able it to take a hig ure competitions. An

m and Dairy her rth some of the leading this farm, and some ssions that he gain g its possibilities who farm as one of the competing farms.

#### SOME PERMANEN



Only \$1.00 a Year

#### Vol. XXX

No. 42

## A PRIZE FARM WITH WONDERFUL MONEY MAKING POSSIBILITIES

#### iteally Situated for Dairying and Fruit Growing.-Improvements Already Made. - The Farm of E. Budd, Described by an Editor of Farm and Dairy.

FARM with great possibilities is that cf AMr. E. Budd, Northumberland Co., Ont., whose farm stood fourth in District No. 3 of the Interprovincial Dairy Farms Competition, educted by Farm and Dairy. The situation is deal for dairying. The splendid crops testify the richness of the soil. Situated on the main ine of the Grand Trunk Railway and only three miles from Cobourg, the facilities for shipping mam and milk to Toronto are excellent; a large nd profitable trade in these products could silv be built up. Other branches of farming suld also be entered into with profit. The climate in this section of Ontario is ideal for the rowing of apples. Many farmers on the lake hore are making fortunes out of their orchards; a large part of Mr. Budd's farm is admirably apted to fruit growing.

The money-making possibilities the farm are enormous. Mr. add has not been on the farm ing enough to develop its possilities, but with well directed fort along the lines to which his m is adapted by climate and cation, Mr. Budd could in a mparatively few years greatly rease his income and improve is farm to an extent that would able it to take a high place in ure competitions. An editor of arm and Dairy herewith sets th some of the leading features this farm, and some of the imssions that he gained regardg its possibilities when visiting farm as one of the judges of competing farms.

#### SOME PERMANENT IMPROVEMENTS

The soil consists of 200 acres of land varving a clay loam to a heavy clay. Part of the m has good natural drainage, the rest is tile ined. Mr. Budd has recently erected neat te fences on the boundaries of the farm, and fast as possible is substituting wire for rails the interior divisional fences. A spring creek ning through the farm affords splendid water. Dairying, horse breeding, and fruit are the in sources of income. The cream is shipped Toronto each morning. The price realized 34 cents a pound butter fat. Some fall wheat grown for sale, but the rest of the farm proe is consumed on the farm. Pigs and a few ers that are fed each winter also add to the

#### HORSES BRIND \$600 A PATE

Mr. Budd's horses were the best of his farm ck. Most of them were of heavy draught eding, one of the mares being a registered Clyde of good conformation. Mr. Budd also exhibited with pride two imported Clydesdale stallions. Two drivers are kept, making eleven altogether. Horses such as those bred by Mr. Budd find a ready market for draught purposes in our cities at \$600 or more a pair.

The dairy herd consisted of 22 cows of mixed breeding, most of them grade Shorthorns. In addition there were 20 head of young stock. This stock does not begin to consume all of the feed raised on the farm and in the fall feeding steers are purchased and fed through the winter. The cows are milked outside in summer in a small yard provided for the purpose. In this yard is a separator house where the milk can be separated as soon as drawn from the cows. "

In order to get calves that will make fairly



#### Part of the Buildings on a Prize Winning Farm

The location of the farm building of E. Budd, Northumberland Co., Ont., is both sanitary and convenient. The buildings are situated near the centre of the farm and on a well drained aite. Only part of them are here shown. Read a description of this 200-acre farm in the article adjoining. -Dhoto by an editor of Farm and Dairy.

good beef, Mr. Budd is using a pure bred Polled Angus bull, and thereby developing a herd of young cattle that will not make as good milkers as their dams. He is making the same mistake in breeding his cattle as do many others who are not specializing very strongly in dairying.

Hog raising is found to be one of the most profitable methods of marketing barley at home. In the fall 50 or more pigs, weighing around 100 lbs., are bought from the neighbors, and fed through the winter on barley grown on the farm. In the summer few pigs are kept, there being only 18 hogs of mixed breeding on hand when the farms were inspected in July.

Mrs. Budd looks after the poultry department. She has 100 hens and 75 chickens. An incubator is used for hatching the eggs.

#### GOOD GRAIN IN A DRY YEAR

Mr. Budd's grain crops were all in splendid condition. A luxuriant growth had been made in spite of the dry season. There were 62 acres of grain in all. Oats and barley had the largest acreage. There were 18 acres of fall wheat, twelve of peas, and twelve of corn. Sixty acres of hay, eight acres of roots, and three acres of potatoes completed the list of cultivated crops. Mr. Budd is a believer in the value of good pas ture. He had 25 acres of land laid out as permanent pasture in the lowest part of the farm. The spring creek runs through this pasture, affording an excellent summer water supply. Six acres of good bush supply firewood and building material.

No definite system of rotation is followed. Mr. Budd never takes two crops of grain from the same field in two consecutive years. Occasionally, however, two crops of peas are taken. The land is left two years in hay and then one or more years in pasture.

#### A CONVENIENT LOCATION OF BUILDINGS

The buildings are very conveniently situated for drawing in crops, being almost in the centre of the farm; the farm is square. The main barn is 140 by 40 feet. In the basement of this

barn is the cattle stable with tieups for 48 head. Litter and feed carriers are conveniently arranged for doing the work with the least amount of labor, there being 450 feet of tracking. The root house is on one side of the stable, the nartition being of slats to allow the animal heat from the stable in to the roots, and thus prevent freezing. One interior stave silo 24 feet by 12, and another outside the barn, 16 feet by 10, afford storage room for most of the corn grown. The horse stable is in an "L" off the main barn, 50 by 26 feet. The stables are kept well whitewashed and clean. They are fairly well lighted. The weakest point of all was the ventilation

for which there was no adequate provision.

The basement of a second barn, 120 by 40 feet, is given over to the young cattle and the stallions. At one end of the basement is the drive shed, where the implements are housed. The young cattle are allowed to run loose in a large box stall. Mr. Budd states that this greatly reduces the labor of looking after them, as the manure is removed only once or twice in the winter, the manure spreader being driven into the stall and loaded directly. Mr. Budd has weighing scales for heavy stock and loads of hay or grain.

The eight acre orchard was in a good state of cultivation, and Mr. Budd considers it one of the most profitable departments of the farm. No crop is ever taken off the orchard, except apples. The orcharding end of this farm might be greatly enlarged with profit to Mr. Budd, and would result in a great increase in the value of the farm.

1004 (4)

Mr. Budd is not troubled with the labor problem. He has six sons, all big enough to work and all at home with him on the farm. This summer alterations were being made in the buildings and other work was being done in addition to the regular farm work, but no extra help was required.

#### TOO MUCH WORK FOR THE WOMEN

The farm house, a splendid residence, is situated about 150 yards from the rest of the buildings, and is surrounded by a park of eight acres nicely laid out with shrubbery and shaded by gigantic oak trees. The house was built by an old army officer, and the park and lawns were laid out on a scale to match the house. Both house and park are too large for the farm, and are a source of unnecessary expense. To mention that the reception rooms of the house are about 20 feet square gives an idea of the amount of work required to keep such a house in order. - The stables being situated at such a distance a horse and rig is kept in winter in a small stable to the rear of the house for the convenience of the family.

Mr. Budd has an excellent farm, excellently situated. Its possibilities as a money-maker, both in dairy lines and from fruit growing, are almost unlimited. With so many willing hands to aid him, with a splendid market easy of access, and with so many improvements already made, Mr. Budd has every opportunity to make on his farm a great success in the business of arriculture.-F. F. E.

#### Feeding Concentrates to Dairy Cows P. H. Moore, Victoria, B.C.

A subject that causes much discussion among us dairymen at this time of the year is the price we have to pay for concentrates. Yet we must use some of these for best results. A cow giving a large flow of milk is working hard, very hard. We do not expect a horse to work hard on hay alone; the same is true, to a certain degree, with the cow. We give her what roughage she can comfortably carry and then add to this grain, depending upon the amount of milk she is giving. The production of different cows will vary greatly: hence the necessity of knowing the herd and watching it closely. One cow may be paying for 10 lbs, of grain, while another may not pay for four pounds.

Bran is probably more universally fed to dairy cows than any other one grain food. It is rich in milk producing elements, and besides is light and fibrous, which allows it to lie lightly in the digestive tract. It helps lighten up such foods as cottonseed meal, soje bean cake, or many of the other heavy foods. In spite of the high price now prevailing for bran it should form at least part of the grain ration of the dairy cow.

Middlings are also used extensively for cows. They give equally good results as bran, but are more costly, more liable to adulteration, and do not mix so well with heavier concentrates

#### OATS ONE OF THE BEST FEEDS

Oats are one of the best grains for the dairy cow that we have. Oats have all of the good qualities of bran, but the price is often so high that we have to let them alone and buy some cheaper form of grain. However, if the price will permit, we cannot find a better grain for milk production. They should always be fed to cows in a ground state.

Linseed-cake and cottonseed meal both bear a large quantity of milk-producing elements, and are what we term heavy foods. They are worth much moze a ton than oats or bran, and should always be mixed with the latter for economical feeding. From one to four pounds of these heavy meals a day can be profitably fed to the dairy cow at present prices, and give good returns for the money invested.

There are many other foods made from the

by-products of breakfust food factories, breweries, and large seed houses, many of which are valuable and form a basis for economical milk production. Their value varies greatly, however, according to the amount of hulls and fibre contained.

My last point concerns the man who wields the fork and measure. Other conditions being equal the whole difference between economy and waste in feeding rests on the man. The art of feeding economically cannot be learned from books or lectures alone, but from the patient, persevering practise of a man who is observing and careful and knows how to use that part of his anatomy which we generally associate with knowledge.

#### Weeds

#### A. G. Johnson, Purdue Exp. Station.

Wherever there are weeds in the fields there can always be expected correspondingly lighter crops. The weeds take plant food and moisture from the soil which should be conserved for the crops, and in many other ways they are detrimental.

In order to fight weeds to best advantage they should be studied and their habits understood. When one has an enemy of any kind it is always desirable to learn its name and as much about it

				aig			
August	,21 th	e circulat	tion of	Farm	and D	airy w	as 9,203
August	28 it	was					9,267
Sept.	4 it	Was					9,334
Sept.	11 it	was				-	9,401
Sept.	18 it	was					9,512
Sept.	25 it	Ewas				-	9,737
Oct.	2 it	WBB					9,896
Oct.	9 i	t was					10,007
Oct.	16 it	was -				-	10,24
you will have 10,500 Wel	to wa be gr made by O	tch our ratified . We l ct. 15. reat nu to the	at th ave r We ca mber wheel	lation ne sp not ro ame s of o l and riptic	n grou olendid eached short ur fri i roll	w? If i incr the of it. ends p ed up They ir wo	airy led so, you ease we mark of Why? out their a real received rk. See

of our people, who read and appreciate farm and Dairy, who now set to work to get new subscriptions for us will receive rewards as liberal as before. Will you get busy for us? Will you start to-day?

as possible so as to be able to take advantage of any weak point. Just so with the weeds. They are our enemies. We should know their names so that they may be discussed intelligently. Their nalits should be well understood so that advantage may be taken of their characteristics in combating them.

#### CLASSES OF WEEDS

According to natural duration there are in general three classes of weeds, viz.: annuals, biennials and perennials.

Annuals.—Annual weeds are those that live naturally but one year, i.e., the seed germinates, the plant grows up, flowers and ripens seed and dies all within 12 months. Common examples are : Foxtail, field mustard, smartweed, cocklebur, ragweed, etc.

Biennials.-Biennial weeds are those that live naturally two years. The first year after the seed gorminates the plant produces some sort of rosette of leaves on the ground above the root, and the second year a flowering stalk is sent up which bears the flowers and rippens the seed. Then the whole plant usually dies. Common examples of this class are: Evening primrose, nullen, wild carrot, teasel, etc. With but few

exceptions, the annuals and biennials depend entirely on seed production for their perpetuation.

Perennials.—Perennial weeds are those the Ur, a number of years or an indefinite period from the same root. Common examples are: doc, buckhorn, Canada thistle, red sorrel, etc. Thus not only spread by seed but several of this clas apread by means of underground root stalks a well, making them by far the most dufficult to control, when once introduced.

#### WEED ERADICATION

In fighting weeds it is not only important to avoid introducing their seeds into the fields with seed grain, which is always to be guarded against with the greatest care, but it is important as well to avoid other sources of weed introduction such as from weedy barnyards, fence rows, road sides, ditches and waste places in general. The weeds should be kept well cut throughout the season as far as possible and thus prevented from ripening seeds to be carried to the fields by wind, water and animals. As far as possible these places should be cleared and cleaned up and a good clean grass sod established. Weed seed infested manure is another source of weed introduction that should be guarded against. Such manure should be well composted before by applied to the fields in order that the weed sees in it may be killed.

Aside from avoiding weed introduction in the various ways which is extremely important, the weeds now in the fields should be given ere more attention. The exact procedure advisible dopends largely on the circumstances. When the habits of the particular weeds present are undestood, methods usually suggest themselves. The important thing is to earry ont good methods arefully and persistently.

#### TO ERADICATE ANNUALS AND BIENNIALS

Since the annual and biennial weeds reproduce only from seeds, any method most convenient to prevent seed formation is practicable; such as repeated cutting, or better still very thorough caltivation in hoed crops or, in some cases, hand pulling or digging. Smother crops are also help ful, these to be followed by clean cultivation in hoed crops. The cultivation and cutting should continue late in the season to prevent the late seeding of weeds, which is so common in com fields after they are "laid by," and in wheat All early cultivation stubble after harvest. should be frequent and thorough, and the hos used liberally where needed in the hoed crops. Catch the weeds while they are small and keep them down. Many perennials are controlled by the same wethods as are the annuals and bien nials, but those like Canada thistle, quack-grass etc., with running root-stocks require more per sistent attention and sometimes special treat ments, which can not be taken up at this time.

#### PREVENT WEEDS FROM SEEDING

The perennials as well as the annuals and with nials, should, of course, in every case he pe-...shod from seeding, as far as nowsible. The ditrite saying, which is all too true, should new be forgotten, that: "One year's seeding is niw years' weeding."

The killing of weeds by the use of chemical sprays offers possibilities in certain directions.

To fight woods successfully, then, requires broad general plan taking in all the factors escerned and such a plan carefully and perisently carried out for a sories of years; al sources of weed seed introduction should be avaied as far as possible, and the weeds and perisin roots in the soil killed by painstaking attetion. Besides this the soil must be brought u a high state of fertility and proper conditis generally so as to favor the best growth of the desired erops, if the weed problem is to be me to the best advantage.

#### October 19, 1911

#### Practical Less Jas. Hotse

Three years ago association among t about 200 cows und other several of th dropped out, but o Atlhough our memb organized, yet the factory that only by ing is it possible to gently. Our exper years has been a rev our favorites among culls, and always a the two extremes. ever, to convince e standing of this or the record of each fore us, we at once and which ones are from one year's te demn a cow, as for not be in working

We weigh and ta on the 10th, 20th a does not give the e each cow in the ye the aim in view. giving each cow twe milk records were

107,242 3

Average profit, \$ 1bis does not allow misc. No. 13 is a are four-year-olds. a little more clear detail:

Cow No. 2, age 6 March 22nd, 1911:

34/11

Jan	110
Feb	Dry
March	455
April	1.260
May	1,390
June	1,230
July	1.040
Aug	1.045
\$1pt	970
0ct	765
Nov.	625
Dec	520
	0.00

Total..... 9,410 Profit, \$35.45.

#### Cow No. 6 fresh

	MING.
Jan	1.080
Feh	1.225
March	1,060
April	960
May	950
June	945
July	775
Aug	735
Sopt.	705
Det.	430
Nov	225

#### Total..... 9.090 Profit, \$37.25.

Four years ago to the butcher, as keeping. Weighin riews

The objections ad ing in this section to weigh and secure

#### Practical Lessons from Cow Testing

Jas. Hotson, Oxford Co.; Ont. Three years ago we organized a cow testing association among the patrons of our factory with about 200 cows under test. For one cause or another several of those who first joined have dropped out, but others have taken their place. Atlhough our membership is no larger than when organized, yet the conviction is growing in our factory that only by individual weighing and testing is it possible to handle a dairy herd intelligently. Our experience during these last three years has been a revelation to us. We always had our favorites among the cows; we always had our culls, and always a number somewhere between the two extremes. We were often unable, however, to convince even our own minds as to the standing of this or that cow in the herd. With the record of each cow for two or more years before us, we at once see which cows are profitable and which ones are kept at a loss. Poor results from one year's testing is not sufficient to condemn a cow, as for some cause or other she may not be in working order that year.

We weigh and take samples of each cow's milk on the 10th. 20th and 30th of each month. This does not give the exact amount of milk given by each cow in the year, but it is close enough for the aim in view. Last year we milked 13 cows, giving each cow two and a half months' rest. Our milk records were as follows:

No. No. No. No. No. No. No. No. No. No.	Millk the. 17.838 29,410 38,110 49,150 57,644 69,090 77,650 88,055 98,915 108,535 116,990 129,645 136,210	B fat. 238.5 299.8 272.1 299.8 269.9 332.5 265.5 248.5 248.5 303.7 279.4 239.4 239.5 232.7	Value. \$55.81 71.05 63.75 74.68 60.52 82.25 60.14 62.20 71.86 65.61 55.90 71.85 54.27	Cost \$30.46 35.60 30.32 43.62 29.02 45.00 32.12 32.12 32.16 34.28 31.10 29.08 34.28 31.12	Profit \$25.35 35.46 33.43 31.06 31.50 37.25 28.12 30.04 37.58 34.51 26.82 37.57 23.15	
	107,242	3,549.3	849.89	438.16	411.83	

Average profit, \$31.68; average milk, 8,250 lbs. 1Dis does not allow anything for whey or skim min. No. 13 is a three-year-old, while 7 and 8 are four-year-olds. It might make the foregoing a little more clear by giving two record sheets in detail:

Cow No. 2, age 6, calved March 20th, 1910, due March 22nd, 1911:

Jan Feb	Milk. 110 Dry	Test. 3.5	Fat. 3.8	Value. 1.03	of feed. 1.00
April March April May June June July Aug Sopt Oct Nov Dec	455 1,260 1,390 1,230 1,047 1,045 970 765 6°5 520	8518041838 859855588888	$\begin{array}{c} 15. \\ 44.1 \\ 42.4 \\ 34.4 \\ 31.2 \\ 35.5 \\ 30.5 \\ 25.2 \\ 20.9 \\ 16.8 \end{array}$	4.15 12.56 9.22 7.67 6.15 8.05 7.19 5.74 5.74 5.74 5.74	2.12 6.36 3.90 2.30 2.70 2.70 3.10 3.76 4.56
Total	9,410		299.8	71.05	35.60

Cow No. 6 freshened January 1, 1910.

Jan Peh March April Max June July Aug Bopt Net Nov	Millk. 1,020 1,225 1,060 960 960 960 945 775 735 705 430 225	Test. 3.3 3.4 3.6 3.7 3.8 3.8 3.8 3.8 3.8 3.8 3.8 4.5 4.4	Fat. 35.6 41.6 38.1 35.5 75.9 27.9 26.7 19.1 9.9	Value. 10.71 11.60 10.54 10.11 7.63 8.00 5.31 6.33 5.30 4.35 2.37	Cost of feed. 5.74 6.36 6.36 3.90 2.30 2.70 3.10 3.10 3.10	
Total	9.090		332.5	82.25	45.00	

#### Profit, \$37.25.

Four years ago this cow was picked out to go to the butcher, as we did not think her worth keeping. Weighing and testing changed our rises.

#### OBJECTIONS

The objections advanced to individual cow testing in this section are: 1st, the time it will take to weigh and secure samples; 2nd, it does not give a correct account of the product; 3rd, the Babcock tester varies too much and cannot be relied on; 4th, ' $\star$  know which are my good cows and which the poor once without testing, and it is not worth bothering with."

My answer to these objections would be as follows:

lst.-We have a clock face spring scale, and by setting the hand on the dial back so it will come to perpendicular with the empty pail, it need not take more than one minute a day or three minutes a month per cow, as the scale will then indicate only the weight of the milk.

2nd—This system does not give an accurate account of the product, but is far in advance of the old method, and is correct enough to guide us in our work.

3rd-The Babcock test is just as accurate as the man who uses it.

4th—We all know, or think we know our best cows, but we are very easily deceived when a fouming pail of milk is given which may test three per cent, while the next pail is only threequarters filled, without a trace of foam, but may test four per cent.

In 1909 Cow No. 1 gave 9,458 lbs. of milk. In 1910 she gave only 7,838 lbs., and was in Letter



The Production of Each of these Cows is Known

A strong believer in the advantages to be derived from testing the milk production of each and every cow in the dairy herd is Jas. Hotson, Oxford Co., Ont., a few of whose cows may be seen in the illustrations. Knowing the production, Mr. Hotson feeds and breeds accordingly. Notice the great depth and capacious address of these cows. In the adjoining article Mr. Hotson writes of his experience in cow testing.

working order than in the preceding year. She had an inferior milker. Weighing and testing stimulates rivalry in the milkers, each one striving to get the largest pail of milk and the best monthly return.

#### Shall we Plow Deep or Shallow?

Jas. A. Rennie, York Co., Ont.

If I were asked whether I preferred deep or shallow plowing, I should emphatically say "idee," but would make haste to add the qualifying phrase, "as local conditions would justify." Under all conditions we have a surface soil of varying depth, which alone must be our guide as to the depth of the furrow. We also have various conditions of subsoil which in every case must be kept where nature intended it, and not mixed with the surface soil.

The upper soil performs three distinct offices: lst, It supplies elements of nutrition to the growing crops; 2md, It holds in suspension moisture for the immediate needs of growth; and 3rd, In a finely divided state it prevents loss of moisture by exaporation. How important it is, then, that we make this surface layer, by the mechanical action of plowing, capable of absorbing the greatest amount of moisture.

If we have a surface soil averaging seven or eight inches deep, why plow only five inches and leave two or three inches in a condition in which it is unable to absorb and hold moisture to the extent it would were it stirred?

#### (5) 10 Where We Farmers are Weak

#### E. F. Eaton, Colchester Co., N.S.

Manufacturers and merchants in the city are carrying on their business to a vory large extent on the money that we farmers have deposited in the saving; bank at three per cent. Interest. I was aurprised recently to note that of the saving; deposite in the banks of Canada, fully two-thirds were deposited by farmers. When we consider the many excellent opportunities that we have for investing this money right on our own farms and getting returns up to 50 per cent. on an investment, depositing our money with ban'ts looks to me like very bad business indeed. This is one of the points where we farmers are lamentably weak, that is, as business men.

One place where I would prefer to invest my money would be in tile drains. I know that many of my neighbors whose farms are badly in need of tile drains have money enough in the bank to tile, but rather than touch that precious deposit they continue to work wet land year after year and take off crops which they could almost double in value with the investment of a for hundred dollars in tiles.

One of our neighbors has given us a splendid example of the returns that can be gotten from money invested in tild chains. A few years ago one of his 10-acre fields produced nothing but poor hay that at an outside valuation was not worth more than \$60. Last year that same field produced 600 bushels of osts worth at least \$210. The year before that it had an excellent crop of potatoes and mangels, and the crop of poter taken three years ago averaged three tons to the acre, and this also I would value at about \$210.

The drains in this field cost only \$50. Of course the field was not completely tile drained, and both labor and tile were then somewhat cheaper than they are now. Four-inch tile were run through the wettest parts of the field, and the value of the crop increased by four. It seems to me that this man, getting 400 per cent. out of the money he invested in tile drains, is a lot better off than when he had that \$50 in the bank rt three per cent.

#### 10 to 20 per cent. In live stock

Another profitable field of investment is in pure bred live stook. We have demonstrated to our own satisfaction the value of pure blood in grading up a dairy herd. When in conversation recently with one of our big dairy breeders, perhaps the most successful one in Nova, Scotia, I was surprised to find that in his own immediate neighborhood ha is considered a poor man. It seems that in that district a man is not well off unless he has a good large bank account. My friend, however, considers himself quite as well off with a 10 to 20 per cent. investment in his stock as are his neighbors with a three per cent. investment in the bank.

As a side line to our farming operations we have an agency for eream separators. I have ertraily known farmers to take a separator on time, which means that they were paying six per cent. on their money, rather than drawing on their savings bank account. I know that very fow of our neighbors carry on a cash business must realize that we are business men and do things in a business way if we are to get the most out of our coupstion.

We should regulate our soil so that we need not buy feed for our cows but grow it instead. Grow alfalfa. Corn alone is not a balanced ration. It must not be fed alone. It lacks protein. Alfalfa is just the food adapted to go with it. It can be grown on practically every farm.-D. Derbyshire, Leeds Co., Ont.

1005



# SAVE THE RAIN, YES, EVEN THE DEW

Every drop of water is precious around the farm. You would always have plenty of water if your roof shed every drop that fell. Do you realize how much good water the average roof wastes. Notice how the steam rises as soon as the sun strikes the

roof after a rain-fall-what is not absorbed by the spongy wooden shingles evaporates-very little reaching the reservoir, - in a light rain, practically none. How different with a metallic roof, —it is perfectly dry a few minutes after the rain ceases, for as fast as it falls, almost every drop runs to the reservoir-no absorption, no evaporation.

A Metallic Roof is not only valuable in saving rain water but a heavy dew will sometimes bring a barrelful of clean, fresh water off the metal roof of an ordinary house or barn -every drop, a clear gain-meaning so much to you in the summertime when the creeks are dry.

How the farmer's wife appreciates the clean, soft water that flows from a metallic roof-so different from the murky, brown fluid, made so impure from draining through the old moss, dust and dirt that quickly collects on the ordinary wood shingle roof.

## **Eastlake Metallic Shingles**

not only make a clean roof but are absolutely Lightning, Rust, Fire and Weatherproof. They can be laid by yourself or anyone cheaper and quicker than any other shingle, and will last a lifetime. Roofs shingled with Eastlake Steel Shingles 25 years ago are in perfect con-dition to-day—an actual test—the best guarantee.

Write us, enclosing measurements of your roof for estimates of cost. Let us quote you on rat and mice proof sheet metal granary lining.

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-The Philosopher of Metal Town.



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Write for particulars. Reliable agents wanted in every county.

F. W. HODSON, & CO., TORONTO, ONT. Room 100 Temple Building

Branch Office:-North Battleford, Sask. During 1910 we sold over 133,400 acres; during the past four years we have sold over 400,000.

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# 

#### More about Storing Roots

J. H. Grisdale, Dir. Dom. Exp. Farms Different kinds of roots keep in keep in different ways; some are good keep-ers and others bad. The roots most difficult to keep are carrots. It is very difficult to keep them right. They must be put in clean and dry They must be put in clean and dry and kept in a cooi place or they will be gone before half the season is over. Turnips are the next most difficult to keep, and the same suc-gestion applies to them—keep them clean and dry and allow a free cir-culation of air.

Mangels and sugar mangels are good keepers and require a small amount of attention. It is very seldom you see rot get into mangels, and I never saw sugar beets rot even you keep them until June or July. Even if you have not a root house to keep them in there is nothing to prekeep them in there is nothing to pre-vent you from growing them and keeping them just the same. You can make a pit in the side of a hill and keep your roots in first-class con-dition right up until March or April. and you will be astonished at the value of these roots in the spring. The animals like them exceedingly

well. Storing roots in this way is very cheap and the material required is a layer of straw on the top and then five or six inches of soil over that with tufts of straw sticking up at intervals of five or six feet to allow for the escape of gas.—Extract from an address.

#### Advantages of Fall Cultivation

E. Terrill, Northumberland Co., Ont. How deep shall we plow? an wer is that it depends much upon the quality and condition of the land. We have on our farm all kinds of soil, varying from heavy clay to light loam. We plow our light land quite shallow, from four to five inches in deph, and the clay from six to seven

We plow the stubble fields over lightly as soon as we can after the crop is off, and then do as much cultivation with the spring tooth cultirator as possible till the first of October. Then we ridge the land as we would for carrots or turnips, and leave it till spring. We believe that by this method the ground is in much better condition in the spring on account of the action of the frost. The land thoroughly frozen, and quack

roots, if there are any, are killed. The land also dries up much earlier in spring and works up loose and Ground treated in this manner seems much warmer than when the field is plowed flat in the fall and vegetation starts as soon as seed is sown.

If we would use the cultivator more and the plow less farmers would re-ceive better results.

#### Favors Deep Plowing

A. W. Foley, Durham Co., Ont. A. W. Poley, Durham Co., Ont. The best depth to plow depends a great deal on what kind of soil we are working. On the lack front in the county of Durham, when I was a boy. I well remember of plowing a 12 acre field. My father gave me a measure-mine inches good and full -the depth to which I was to plow. The next year the crop on that field was a good one. I believe in plow-ing a good depth in heavy land. I would call eight or nine inches about the right depth.

#### October 19, 1911

FARM MANAGEMENT pay to do it right. My experience with part of my

land is as follows

Last year I plowed part of my land early in the season to a depth of about eight inches. We took pains to cut everything clean. After that harrowed and cultivated and gave it about five loads of and gave it about he loads of good manure per acre, spreading it on top from the wagon. We seeded the field this spring to oats and we have a good catch, plenty thick enough, but rather small on account of the dry

Another field we disked as soon as possible after last season's harvest About two weeks after we disked and cultivated again, afterwards spread-ing on eight to 10 loads of manure per acre. In the fall we ridged it, putting the plow down about eight inches and seeded it with barley this inches and seeded it with barley inis spring. This field gave us very good satisfaction also. Gang-plow, disk, and cultivate as often as possible after harvest, and then put the plow down to a good depth when ridging up in the fall is my rule.

#### Use Road Drag Now

"Use the road drag now," says rof. E. F. Ayers, highway con-tructor expert of the Oregon Agricul-Prof. structo in Canada as well as in Oregon. Heavy fall rains, thoroughly wetting down the roads, have made ideal con-ditions for the use of the drag before All pot-holes, mud-holes, and other irregularities can be leveled and the surface of the roads put into first-class condition by using the drag two or three times before the roads

get too soft. "The use of the drag, moreover at this time for crowning the roads will aid drainage and keep in good will aid drainage and keep in good condition many roads which were very poor last year. The expense of using a road drag is slight, and a much wider use of it throughout he state would be very advantageous. There is no better way to keep a dint road in grand condition than by desc. road in good condition than by drag-ging it frequently." 

## **Our Veterinary Adviser**

à., ABNORMALITY IN PIG.-Sow one month old has but one vent for urine and fneces. I frequently have to remove the faceose. Is this a common occurrence in pigs? Do you think that I can raise -C. H.

This is a very rare occurrence in any class of animal. Nothing can done to rectify matters. It is probable that you will be able to raise her, but it will be necessary to give her considerable attention.

OBSTRUCTION IN TEAT .- Lost season & OBSTRUCTION IN TEAT-Last sensors i little lump formed in helfer's teat nors the top. It appeared movable and inte-fered considerably with milking. This season the lump is still there. The test is alwarys full when milking starts, but about two pressures empties it, but it soon fills again. It takes a long time to milk her. The test is not sore.-Sub

scriber. There is a little fibrous growth, which is apparently attached to the lining of the milk duct by a neck, which allows some change in posiwhich allows some change in pos-tion. An operation, which consists in cutting down upon the lump and removing it, might effect a cure, but will entail very careful and skilfel jefter-attention. It will be safer to was a good one. I believe in plow-ing a good depth in heavy land. I ofter-attention. It will be safer to would call eight or nine inches about the right depth. The plowing to-day is done in a slipshod way compared with what it have plowing matches every sprine or fall. In those days every farmer's be followed by serious complications. October 19, 19

\*\*\*\*\*\*\*\*\*\* The Feede The Feeders' C use of our sub-terestad are invi-tions, or send i All questions wi attention. 

#### A Ration for

We have on hand corn ensilage, and meal, bran and cor gest a ration for fo that freshen this fai 40 lbs. of milk a da;

A good ration fo 35 to 40 lbs. of m feeds mentioned w silage, 35 to 40 lb lhs. oat straw, ei pounds; gluten, commeal, one p cornmeal, one po the ensilage sever to feeding time.

The amount of be varied accordin tion of individual of the grain mixture

pounds of milk. nilkers or if milk price and it is adv cows, the proporti in the ration may creased. Gluten, he feed and needs to tion with such 1 bran.

#### About (

What is the best fo me that he can get it nutted, or in cakes

Most of the oil sale in this country meal, and you are able to purchase it ted or cake form, are preferable to t

In the extraction flax seed the resid the form of hard feet long and one cakes are either s broken up into eggs, or ground in cake, or the nutte retains a pleasant it very palatable to flavor is largely ground to meal. langer of adulterat the nutted form, said for that in mea best form in which

Straw As a Feed Our hay crop has 1

we are planning t Would you consider straw to dairy cattle supply of ensilage, an would you advise us -P.C., York Co., Ont

Good oat straw ca vantage to dairy on nutritive value shou in mind, and as straw in the ration amount of concentr be increased. Six of straw a day coul of an equal amount

The best method to mix it in wit hours or more pre Mixing it in this m age softens the stra it a pleasant flavo more palatable. N dairymen in seaso crops feeding pract oat straw be Success with this m necessitate lowever. feeding of concentra

#### second se The Feeders' Corner The Feeders' Corner is for the use of our subscribers. Any in-tarostad are invited to mak ques-tions, or send items of interest. All questions will receive prompt attention. \*\*\*\*\*

#### A Ration for Fresh Cows

We have on hand clover hay, out straw, corn ensilage, and can purchase gluton meal, bran and corn meal. Please sug-gest a ration for feeding to dairy cows that freshen this fall and will give 55 to 40 lise. of milk a day.-6.J.N., Brant Co.,

A good ration for cows giving from 35 to 40 lbs. of milk daily from the feeds mentioned would be corn en-silage, 35 to 40 lbs.; clover hay, 10 lbs.; oat straw, eight lbs.; bran, six pounds; gluten, two pounds; and cornneal, one pound. We would suggest that the straw be mixed with the ensilage several hours previous

the ensilage several means to feeding time. The amount of meal given should be varied according to the produc-tion of individual cows, one pound of the grain mixture being fed to four nounds of milk. For very heaved nilkers or if milk. For very heavy nilkers or if milk is bringing a good price and it is advisable to force the cows, the proportion of gluten meal in the ration may with profit be inrecased. Gluten, however, is a heavy feed and needs to be fed in combina-tion with such lighter meals as bran.

#### **About Oil Cake**

What is the best form in which to pur-chase oil cake? Our grain dealer tells me that he can get it in the form of meal nutted, or in cakes.--P.J., Oxford Co., Out.

Most of the oil cake offered for sale in this country is in the form of meal, and you are fortunate in being able to purchase it in either the nut-

able to purchase it in either the nui-ted or cake form, either of which are preferable to the meal. In the extraction of the oil from the flax seed the residue is obtained in the form of hard cakee about two feet long and one foot broad. The cakes are either sold as they are, broken up into lumps the size of eggs, or ground into meal. In the cake, or the nutted form, oil cake retains a pleasant flavor that makes it very palatable to the cows. This flavor is largely lost when it is ground to meal. Also there is no danger of adulteration of oil cake in danger of adulteration of oil cake in the nutted form, which cannot be said for that in meal; and this is the best form in which to get it.

Straw As a Feed for Dairy Cows Our hay crop has been very short and we are planning to feed out straw, would you consider it advisable to feed straw to dairy cattle? We have a good supply of enalisate, and a few roots. How would you advise us to feed out straw? -P.O., Tork Oo, Ont.

Good oat straw can be fed with ad-

-r.o., rors too, ont. Good and straw can be fed with ad-vantage to dairy cows, but its log, nutritive yalue should always be kept in mind, and as the proportion of straw in the ration is increased the amount of concentrates also should be increased. Six or eight pounds of straw a day could be fed in place of an equal amount of hay. The best method of feeding straw is to mix it in with the enslage 12 hours or more previous to feeding. Mixing it in this manner with ensil-age softens the straw and imparts to it a pleasant flavor that makes it more palatable. We have heard of dairymen in seasons of short hay at all, cat straw being substituted. Success with this method of feeding. necessitates a fairly heavy however. feeding of concentrates.

"Employer,' Northumberland Co., Ont. If we farmers are to get satisfac-ory labor we must plan to give tory steady employment the year round and give to the man a chance to live and a good many of my neighbors have cot ages on our farms where the married hired man can have a home of his own

find that the married man is a 4 and that the matrice man is a better workman, and if he has a house of his own he will enjoy him-self and he perfectly satisfied with the country. I prefer married men in that they are not of an itinerant

nature, a few months here and a few months there; he stays for ever if you treat him right.

#### Items of Interest

The prizes at the National Dairy Show this month will amount to over \$15,000. The Guernseys have \$350, besides the regular prizes, Holsteins \$1,520, and Jersey men will add 25 per cent. to all regular premiums.

In the students' judging class at the International Dairy Show where members from the various agricultural colleges meet to demonstrate their one-tenth of a pound for each abilities as judges of dairy cattle, the the heifer is over two years old.

competition this year will be enlivened by an extra trophy to be con-tested for-a cup donated by President Taft

Production will be taken into ac-count in making the placings in two of the classes for dairy cows at the National Dairy Show, Chicago, Octo-ber 26th to November 4th. The awards in these two classes will be made on the basis of breeding score made on the basis of breeding score plus one point for each 20 pounds of butter fat over 250.5 lbs. produced in one year by a two-year-old, with an additional minimum requirement of one-tenth of a pound for each day

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Canadian Independent Telephone Co. 24 DUNCAN STREET, TORONTO Limited 1008







#### FARM AFD DAIRY

asked :

## nessessessessessessesses Demand for Canadian Onions

J. M. Mussen, Trade Commissioner, Leeds, E.C. Inquiries are being made by local importers as to the extent of the cul-tivation of onions in Canada with a view to their export to this market. In former years Canadian growers have been at a disadvantage owing to the proximity and consequently cheaper prices quoted by shippers on cheaper prices quoted by snippers on the Continent. This year, however, the hot and dry summer is reported to have been very unfavorable to the crops in Holland and Silesia, which together with Spain, are the chief sources from which supplies are sent to the English market.

The prices quoted by Hamburg shippers already show an upward tendency and during the coming wintendency and during the coming wini-ter onions are expected to command enhanced prices. For shipment tho this market it is suggested that onions could be packed in barrels to hold about 168 pounds, the top and bottom being slightly perforated to keep the contents in cool condition.

#### Cold Storage for Apples

The immense quantities of apples placed in the warehouses for storage each fall have to be repacked before shipment if kept in storage for any length of time. This repacking entails great expense, and the apples are bruised in handling. Further-more, the fruit ripens quickly in a frost proof warehouse and does not stand shipment well.

stand shipment well. As the errop of apples is increasing from year to year and markets are opening up in the old country as in the Canadian West a sys-whereby the fruit can be kept in the condition and the labor and ex-pense of repacking avoided would be a greas boon to the fruit industry. It seems natural that cold storage would at least partially solve the pro-blem. The experiment that were would at least partially solve the pro-blem. The experiments that were conducted by the Cold Storage Branch of the Dominion Department of Agriculture and the results that they obtained from storing apples are, therefore, of interest to fruit The high prices which prevailed men. men. The man prices which prevailed when the apples were purchased and the drop in price which followed pro-vented the department from showing a profit on all the apples handled. The losses, however, would have been greater had the apples not been cold scored stored.

The apples purchased were ordinary commercial packs of differ-ent growers. They were stored at Lendon, Montreal, and St. J.hn. The Lendon, Montreal, and St. John and cold storage houses were kept at a temperature of 32 to 37 degrees dur-ing the whole storage period. Part ing the whole storage period. Part of the apples were shipped to Eng-land after four months' storage and arrived there in good condition. The apples shipped to Calgary were un-

apples shipped to Calgary were un-packed in splendid condition. Although this experiment was not a financial success owing to unusual market conditions the results are very encouraging. They demonstrate that cold storage can be used to ad-vantage in the handling of fall and winter varieties of apples. Some con-clusions arrived at from these experi-ments are the following:

clusions arrived at from these experi-ments are the following: 1. Late picked apples keep better than early picked apples and have a finer appearance as well and the 2. Apples placed in cold storage as soon after being picked as possible will keep better than those where the storing has hen delawed. Hence the will keep better than those where the storing has been delayed. Hence the advisability of having the cold stor-age plant located in the district than early picked apples and have where the fruit is grown. 3. The cason for Greenings can be extended several weeks if the apples

October 19, 1911

than the same expesure after the fruit has been in cold storage for some time

#### Facking Apples in Barreis

The committee appointed by the Ontario Fruit Growers' Association to draw up a score card for judging fruit at fairs has given as well some valuable advice on packing apples for exhibition purposes. The directions as outlined by W. T. Macoun, chairas outlined by W. I. Macoun, chair-man of the committee, will be of value to those putting up commer-cial packs as well as to exhibitors. The hints on the barrel pack are as follow :

When facing a barrel of apples or when beginning to pack a barrel, the apples for the first row should be put carefully in with the stem end down, the stems having been first cut off so that they will not injure the fruit when pressed. If slightly smaller apples are used in the out-side rows and larger ones in the centre it improves the appearance of the face. A second row is now put in, in the same manner as the first, and these apples should be arranged between those in the first row. Their, two rows constitute the face of ...? When facing a barrel of apples or between those in the first row. These two rows constitute the face of barrel. The fruit used for the face should fairly represent the fruit throughout the barrel, but the apples in these two rows should present as attractive an appearance as possible. T law in regard to facing, as de-The view of appearance as possible. T law in regard to facing, as de-tain the Inspection and Sales Act. as follows: "No person shall sell offer, expose, or have in his po-ssion for sale any fruit packed in my package in which the faced on the face of the faced on the fac shown surface gives a false represen tation of the contents of such pack-age, and it shall be considered a false representation when more than

15 per cent, of such fruit is substan-tially smaller in size than, or inferior in grade to, or different in variey from, the faced or shown surface of such package." Apples in barrels for exhibition should be packed as required by law.

#### FINISHING

By finishing is meant the headny. lining, cleating and marking of the barrel. The heads of the barrel should fit snugly into the chine. Sis rosined nails in each head are usually sufficient. The marking of barrels should be

distinct and attractive. It should comply with the regulations of the Inspection and Sales Act, which call for the initials of the Christian names of the packer, his surname, and his address; the name of the variety of fruit, and the designation of the grade, whether it be "Fancy." "No. 1," "No. 2," or "No. 3." Such mark may be accompanied by any other designation of grade or brand if that designation or brand is not inconsistent with, or marked mer conspicuously than, the one of the said four marks which is used on the

said four marks which is used on me said package. All barrels of apples should be racked when being packed, so the the fruit will settle, and the pack the fruit will carry well, so that the fruit will carry well, so rabe-barrel i operation how well the fruit is a usually found when amples have usually found when apples haw t been racked well. This may also not been racked well. be expressed by the terms firmness and compactness. The more solid the pack the better the fruit will carry.

By tailing is meant the putting and placing of the last fruit into the bur rel All that is necessary in good tailing is to have the surface as lerd as possible with the stem end down are well matured on the trees and ple-ced in cold storage. 4. Exposure to high temperatures for a certain length of time directly after picking will damage fruit more which the fruit has been bruisd which the storage. October 19, 1911

#### \*\*\*\*\*\*\*\*\*\*\* POULTRY A Portable Po

A portable poultry be taken apart and I shipment, is illustrat The house was pliby Mr. J. H. Callend The walls are built s tened together at screws. The roof is

The entire building asbestos roofing. The open front is netting. Curtains that they can be su the opening in case very severe weather hanging in front o

platform can be let This building is feet, four feet high a the front, and seven



A Poultry House Conv The poultry house he erected or taken ir. For fuller partic joining article. -Photo supplied

The ridge is two fee of the house. This taken down or erect hour. Any man with chanical ability coul poultry house.

#### Prevention of Ver Mrs. L. C. Hoardsu Co., On

Lice are never tro hen house, as proper taken to prevent the taken to prevent the We whitewash the in house each year, ap almost boiling hot. Y infectant a cupful o acid to each pail of I have used comm setticides in dealing problem, but have fo ture of two-thirds on



Down This and balance in easy instalments Engine without interest.

IT IS EASY TO BUY the wonderful Glason "Goes Like Slity". Foreful, simple, durable, dependable, cheapeat running, cashet to or balan. Foreful, a simple, durable, dependable, cheapeat running, cashet to or balan. Foreful and the simple durable dependable of the simple durable of the

GILSON MFG. CO., LTD. 101 York Street, Guelph, Ontario Canada

Horticulture in New Ontario Not only grain and roots, but grapes and apples figured among the products of the New Liskeard district in the display at the Temiskaming

HORTICULTURE

tor, Toronto

question is often

Show held recently. The display of roots and vegetables was a striking tribute to the fertility of the soil of New Ontario, and the clemency of its seasons. Potatoes were exhibited 11 seasons. Potatoes were exhibited in inches long, which, on being cut through, were sound to the core, and without a sign of rot or disease of any kind. There were turnips weighing 51 lbs., and a splendid show of ripe tomatoes

Tanks Gas and Gasoline Engines Concrete Mixers Write for Catalogues

A factory for the manufacture of

#### POULTRY YARD

#### A Portable Poultry House

A portable poultry house that can be taken apart and laid down flat for be taken apart and faid down flat for shipment, is illustrated on this page. The house was planned and built by Mr. J. H. Callender, of Peterboro. The walls are built separate, and fastened together at the corners by screws. The roof is in two sections The entire building is covered with

The open front is covered with wire netting. Curtains are arranged so that they can be swung down over opening in case of storm. very severe weather a second curtain hanging in front of the roosting platform can be let down at night. This building is eight feet by 10

feet, four feet high at the back, six at the front, and seven feet to the peak



A Poultry House Convenient for Moving The poultry house here illustrated can ected or taken down in half an For fuller particulars read the aderected joining art cle

-Photo supplied by J. H. Callander. The ridge is two feet from the front of the house. This building can be taken down or erected in half an Any man with ordinary me-al ability could build such a hour. poultry house.

#### Prevention of Vermin on Hens Mrs. L. C. Hoardsworth, Durham Co., Ont.

Lice are never troublesome in our hen house, as proper precautions are taken to prevent their depredations. We whitewash the interior of the hen We writewash the interior of the wash house each year, applying the wash almost boiling hot. We add as a dis-infectant a cupful of crude carbolic acid to each pail of wash. I have used commercial liquid in-

secticides in dealing with the lice problem, but have found that a mix-ture of two-thirds coal oil and one-



third crude carbolic is just as effective allow them time after October 15. and costs much less. I apply the mix-ture with a paint brush around the roosts for three or four days after vermin has been noticed. I find that three such applications are too much for the insects

We clean the hon house twice week and the nests every two weeks. In the bottom of the nests I put wood ashes and over that clean straw.



#### The Splendid Record Last Week

Well done! We should like to meet we solut like to meet personally each of the many friends who helped us during the past few weeks to increase the circulation of Farm and Dairy. We should like to shake hands with you and tell you just her gradels are solved. just how greatly we appreciate the as-sistance that has been rendered us.

But this we cannot do, so we must take this formal means of expressing to you our Thank-You, and congratulations on your success

The total of 10,500 for which we aimed in our campaign we did not reach by 259. This fact is in no wise disconcerting. We could have reached the total quite readily and have in creased our circulation to a much greater extent had we placed paid groater extent had we placed paid canvaseers out to work for new sub-scriptions for Farm and Dairy. It has been our policy, however, not to hire paid canvassers.. We prefer to have our readers introduce Farm and have our readers increases fails and Dairy to their friends. We wanted each and every subscription to come through our old subscribers, who read and appreciate Farm and Dairy, and who would get their friends and neighbors to read Farm and Dairy regularly. Therefore, while we did not reach the mark for which we aimed we are well pleased with the progress made. Our readers on the whole have done nobly. For this reawhole have done houly. For this rea-son we have decided to give our peo-ple the necessary extension of time to make up this 259. This they should be able to do in short order.

A pleasing feature of the whole campaign has been the comparative ease with which our people, who have tried, have been able to get new subscriptions to Farm and Dairy from among their friends and neighbors.

#### TWO LITTLE GIRLS SUCCEED

Two LITTLE GHLS SUCCERD Amongst the winners last week were two little girls, Miss Etta M. Thorn (age 11 years) and Miss Edith Thorn (age 11 years), who live in Otonabes Townahip, Peterboro Co., Ont. Both Miss Etta and her sister go to school and they undertoo get new subscripions for Farm undertook to Dairy after school was out. Miss Etta got six new subscribers and claims as a premium a pure bred Yorkshire sow pig. Her sister secured three new subscribers and in return for her trouble she has selected a 10-piece toilet set.

toiliet set. Our premium pigs, pure bved, and either sex of the Tamworth, Berk-shire or Yorkshire breed, were among the most popular of our premiums again last week. Each of the follow-ing secured club of six now subscrip-tions in return for which they will be given pigs, as follows: Alexander Ed-nie, Northumberland Co., Ont., a Yorkshire sow; Ralph E. Wheeles, Norfolk Co., Ont., a Chester White sow; Chas. E. Butler, Oxford Co., Ont., a Tamworth boar pig; Geo. G. Gillegoie, Peterboro Co., Ont., a Berkahire sow; F. G. Lewis, Lamark Co., Ont., a Tamworth boar; Arthur Berkshire sow j F. G. Lewis, Lanark Co., Ont. a. Tamworth boar: Arthur Becker, Waterloo Co., Ont., a Tam-worth boar, and Thos. Strachan, Wei-lington Co., Ont., a Yorkshire sow. Sevoral psople have written in since our last issue stating that they have been too busy heretofore to canvas for clubs, but would do so if we would

This time we granted

SOME SUCCESSFUL WOMEN FOLK

Some of the women readers of Farm and Dairy sent in real nice lists last week. Amongst those who sent in clubs and won premiums we make mention of: Mrs. C. M. Firby, Elgin won premiums we make Mrs. C. M. Firby, Elgin Co., Ont., six new subscribers—she received a cash commission; Vera M reconved a cash commission; Vera M. Bent, Oxford Co., Ont., avo new sub-scribers—she selects a Woman's Kitchen Friend; Miss Mildred Gamp-bell, Frontenac Co., Ont.—three new subscribers, for which she gets a cam-era; Miss Una Buell, Carleton Co., Ont., sent one new anheritation Ont., sent one new subscription; Miss Frances Black, Prince Edward Muss Frances Diava, Co., Ont., sont one new subscription and selects a fountain pen; Mrs. D. B. McCoubrey, Charlotte Co., N. B., sent six new subscriptions in return for one of our 96-piece dinner sets, semi-porcelain; Miss Florence Cook, Chateauguay Co., Que., also sent in six and secured one of these hand-some and serviceable dinner sets; dinner Miss Katie Zehr, Perth Co., Ont. Miss Ratic Zehr, Ferth Co., Ont., sent one new subscription and secured a fountain pen; while Mrs. G. E. Smith of York Co., Ont., sent in three new subscriptions and selects a four of Dure bred Rhode Island Red point of Dure bred Rhode Island Red Co., Onts sub three new subscribers and claims and there new subscribers and claims a camera.

CLUBS FOR PURE BRED FOWL

Several clubs of new subscriptions three each, came in, for which pur bred fowl were selected. These were bred fowl were selected. These were. Mac Cumming, Glengarry Co., Ont., White Wyandotter; W. H. Post, Vic-toria Co., Ont., Barred Rocks; Geo. H. Schneider, Oxford Co., Ont., S.C. White Leghorns; Jos. Goodin, Gren-ville Co., Ont., Barred Rocks; Theos. Gray, Muskoka Dist., Ont., Barred Rocks. Rocks

New subscribers were secured by J A A. Ronson, Elgin Co., Ont., for which he selects two pairs of Rose Comb Black Minorcas

OTHER SUCCESSFUL WINNERS Amongst the others who were suc Amongst the others who were suc-cessful and the premiums they select-ed are: Zetta M. Thurston, Victoria Go., Ont. (two), a special pearl-mounted, 14-Kt. gold point foun-tain pen; J. Arch Lawis, Hast-ings Co., Ont. (two), another of these special pearl-mounted fountain pens; A. Breast Hasting Co. Out special pearl-mounted foundant pene, L. A. Bryant, Hastings Co., Ont. (six), a Tamworth boar pig; Elijah Benedict, Stormont Co., Ont. (three), a roll film camera; A. N. Deland, St. Johns Co., Que. (one), a fountain pen; Jos. S. Pollard, Oxford Co., Ont. (two), a repeating alarm clock Bertram Johnston, Dundas Co., Ont Ont (three), a 10-piece toilet set; Russell Tupper, Oxford Co., Ont. (three), a carpet sweeper; Ralph E. Wheeler, carpet sweepar; Ralph E. Wheeler, Norfolk Co., Ont. (two), a pearl-mounted fountain pen; Coleman Lee, Leeda Co., Ont. (one), a fountain pen; T. B. Millar, Red Deer Dist., Alka. (two), boy's mickel plated watch: Chasa Beam, Haldimand Co., Ont. (one), a pair of pruning silears; Berise J. Taylor, Dufferin Co., Ont., and J. E. Ness, Howick, Quo, each (one), a fountain pen; Jas. Luther, Middlesser Co., Ont. and F. G. Lowis, who also won a Tamworth boar, each (two), a pearl-mounted fountain pen. who also won a tamworth ooar, each (two), a pearl-mounted fountain pen. A. S. Foy, Oxford Co., Ont., sent in six new subscriptions; Chas. W. Cole, Huron Co., Ont., and C. F. Anderson, York Co., Ont., each two new subscriptions and have not so-lected their premiums as yet; Jas. Richardson of Colchester Co., N.S., sent two and has his own subscription extended one year therefor.

Mr. Morrison, who is working our grand big cash prize, sent in 81 new subscriptions.

#### A POINT DEMONSTRATED

A FOINT DEMONSTRATED Our campaign has demonstrated be-yond any possibility of doubt that any of our people who really try in the right way can get their friends and neighbors to subscribe for Farm



(7)

ward you for one, two or any num ber of new subscriptions that you will send us, whether you have sent us clubs before or not. Try your abilof the rewards we offer.

"Enclosed find \$1.00, for which renew my subscription to Farm and Dairy for one year. I congratulate you on the great improvement of your paper. Each issue seems bet-ter than the last."-Messrs. J. H. Patten & Sons, Yale-Cariboo Dist., B. C.

#### FOR SALE AND WANT ADVERTISING TWO CENTS A WORD, CASH WITH ORDER

BARRED ROCKS-Utility-bred on free range, from heavy-laying stock. Vigor-ous, growthy cockerels, \$1.-J. M. Mcll-quaham, Lanark, Ontario.

HARDWOOD ASHES-Best fertilizer in vas.-George Stevens, Peterboro, Ont.

WANTED.-Working foreman for dairy farm. Married, who thoroughly under-stands all farm work. Good milker and feeder. Steady situation to good man. -Apply to Box 438, Farm and Dairy.

SELF-FILLING FOUNTAIN PEN. Agents Wanted. Send 25c for sample, or Six for Dollar.--Andrew Specialty Co., 23 Scott St., Toronto.

WANTED.-Competent farm hand for dairy stock farm. Best wages, with comfortable house, etc., for steady man wanting permanent place.-Apply Box 942, Brockville, Ont.

342, Brockville, Ont. FOR SALE-Iron Pipe, Pulleys, Belting, Raila, Ohaha Wire Fencing, Iron Posts, etc., all stees, very cheen, Send for list, stating what you want. The Imperial Waste and Metal Go., Dept. F.D., Queen street, Montreal.

LADIES, to do plain and light sewing at home, whole or spare time; good pay; work sent any distance; charges pre-paid; send stamp for full particulars. National Manufacturing Company, Montreal.

REPRESENTATIVE WANTE? AT ONCE for work in your locality. Will guaran-ice \$2.00 to \$3.00 per day. Opportunity to advance rapidly. Will pay liberally for spare time. Work not difficult. Er-perience not required.-International Bible Press, Soronto. Ont.

Send for this free

book

(10)

October 19, 1911



#### The Traction En

J. M. Shuttleworth. In the fall of 196 ing spring we plov age with our gasol ing engine, built by ley & Muir Co., severe test was give a θ0 acre field of al been down five year 12 inch Verity Imp gang plows coupled made a very flexib eight furrows, t "swath" of just und and six to six and a Few plowmen could good work.

The outfit turned and a quarter and acres an hour, usi three gallons gasoli field was level and good footing. Anyo



It Us

The traction engine same work in a few problem of getting a l adjoining article Mr. plowing on small far profitable.

ed down alfalfa soc the work done. " was compact, easily man on the engine plow.

The following spri of 20 and 19 acres w was not good and w rise, we used only coupling one of the power has solved, for hardest and most operation. Plowing then it should be w fumber of extra hor done without when i 24 HOURS'

A 10 hour day is stand, but with this no reason why 20 to should not be done w n shape by having hours on and six o uns about four and a ittle over an hour w ight-furrow gang. It may be said th mer will not benefi There is no reason or contract plowing done on the 100 acr fits might be ma be ma arms of 100 acres, numerous farm opera plowing that can be motive. Better cultiv will result because m given to it, when plo narily takes days can most as many hours.

# \$3,600 in Cash Prizes for Farmers Tell Us How You Did It

#### You may win a prize by doing so

SUPPOSE your friend Bob Wilson, on the next concession, "'pulled up'' at your front gate on the way back from market and asked you about that silo or barn foundation you built, you would be glad to tell him, wouldn't you? And it wouldn't take you long either, would it? And, as a matter of fact, you'd find as much pleasure telling him as he would in listening-isn't that right?

First, you would take him over to view the silo or barn foundation. Then you would start to describe it—its dimensions—the kind of aggregate used—the proportions of cement used—number of men employed—number of hours' working time required method of mixing—kind of forms used—method of reinforcing, if any—and finally, what the job cost. So that by the time you finished, neighbor Wilson would have a pretty accurate idea of how to go about building the particular piece of work which you described.

Now, couldn't you do the same for us, with this differencethat you stand a good chance of getting well paid for your time?

In Prize "D" of our contest, open to the farmers of Canada, we offer \$100.00 to the farmer in each province who will furnish us with the best and most complete description of how any particular piece of concrete work shown by photograph sent in was done. The size of the work described makes no difference. The only important thing to remember is that the work must be done in 1011, and "CANADA" Cement used.

In writing your description, don't be too particular about grammar or spelling or punctuation. Leave that to literary folk. Tell it to us as you would tell it to your neighbor. What we want are the facts, plainly and clearly told ? Sounds simple, doesn't it? And it is simple. And surely it is well worth your while when you think of the reward in view.

Now, sit right down, take your pen or pencil-fill out the attached coupon-or a post card if it's handier-and write for the circular which fully describes the conditions of this, the first contest of the kind ever held in Canada.

Every dealer who handles "CANADA" Cement will also be given a supply of these circulars—and you can get one from the dealer in your town, if that seems more convenient than writing for it.

Contest will close on November 16th, 1911—all photos and descriptions must be seat in by that date, to be eligible for one of these prizes. Awards will be made as soon as possible thereafter. The decisions, will be made by a disinterested committee, the following gentlemen having consented to act for us, as the jury of award: Prof. Peter Gillespie. Lecture in Theory of Construction. University of Toronto; Prof. W. H. Day, Professor of Physics. Ontario Agricultural College, Guelph; and Ivan S. Macdonald. Editor of "Construction."

Having decided to compete for one of the prizes, your first step should be to get all the information you can on the subject of Concrete Construction on the Farm. Fortunately, most of the pointers that anyone can possibly need, are contained in our wonderfully complete book, entitled "What the Farmer Can Do with Concrete." A large number of Canadian farmers have already sent for and obtained copies of this free book. Have you got your copy yet? If not you'd better send for it to-day. Whether you are a contestant for one of our prizes or not, you For it contains a vast amount of information and hints that are invaluable to the farmer.

ddress

Canada Cement Company, Limited, Montreal

#### The Traction Engine in Plowing

J. M. Shuttleworth. Brant Co., Ont. In the fall of 1909 and the following spring we plowed a large acreing spring we proved a large acre-age with our gasoline traction plow-ing engine, built by the Goold, Shap-ley & Muir Co., of Brantford. A severe test was given the machine in a 60 acre field of alfalfa sod that had been down five years. We used four 12 inch Verity Imperial two-furrowed gang plows coupled together. These made a very flexible gang plow of ight furrows, turning over a 'swath'' of just under eight feet wide eight and six to six and a half inches deep. Few plowmen could have done such good work.

The outfit turned over between one The outfit turned over between one to Canada, 'What was the matter and a quarter and one and a third with Jim?' we asked. 'I thought he acres an hour, using a little under was going right ahead all right.' here gallons gasoline per acre. The '''So he was,' replied the old far-field was level and the engine had good footing. Anyone who has plow farming. He thought land was get-

#### The Value of Courage Jas. McIntyre, Huron Co., Ont.

We often have trouble here in getting good help. Our young men have left us for the grain-growing west. In reading Hoard's Dairyman recently I see that they have the same trouble in the older states of same trouble in the older states of the United States. The explana-tion given by the editor is so good that I pass it on.

"There is lots of wisdom in the "Inere is jots of wisdom in the remarks of some of these old far-mers. One day we were asking a farmer, who had been very success-ful in his farming operations, about a neighbor of his, who started well and then suddenly sold out and went to Canada, 'What was the matter with Jim?' we asked. 'I thought he

#### FARM AND DAIRY

handle a dairy farm in the older states than it does a grain farm in Canada. And maybe those who emi-grate to those regions understand themselves better than we do.

"But it is worth while after all to a farmer of high courage and ility. We have always noticed that ability. We have always noticed that it takes courage to back up ability Dairy farming at its best really depends upon the young men who edu-cate themselves in that direction. It doesn't flourish very much by immigration

The foregoing applies equally well those young men who have left Eastern provinces of Canada, with their boundless opportuntties for an easier kind of farming in the west. After all, doesn't our intensive farming develop better men?

#### Where Money is Lost

The greatest source of loss in the dairy industry is the feeding of un-profitable cows. For example: A certain cheese factory in one year paid one of its patrons \$877 for the product of eight cows, while it gave another patron \$9 less, while it give another patron \$9 less, or \$568, for the milk from 22 cows. The latter dairyman boarded nearly three times as many cows as the other to get less gross return.

In another locality some herd owners secured an average of 300 pounds of butter fat per cow, while pounds of butter fat per cow, while others at the same place and in the same time averaged only 80 pounds per cow. An income of \$100 per cow, as in the better herd, gives some margin for profit, but how can \$26 a head result in anything but loss?

Probably some animals in the poor Probably some animals in the poor herds mentioned were profitable pro-ducers, but it is safe to say that the owners would have been better off at the end of the year if, before the year began, they had carefully stud-duce the owner and carefully stud-duce the source and carefully studtheir cows and sold one-half of them. It is probable also that in them. them. It is probable also that in the better herds some weeding out might have been done to advantage, for great individual differences are found even in tested herds bred for years along one line of productivity, Until the feeder knows his cows through the scales and the Bab through the scales and the Bab-cock test, he can never claim to be doing a dairy "business," he is merely doing dairy "guess work," Cock test, he can never claim to be doing a dairy "business," he is merely doing dairy "guess work," and may be feeding into Polly all the profits he should make from Bess and Spot.-New York Experiment Station Bulletin No. 322.

where the land was richer and it took less brains to run a farm. I guess he had struck his limit.''' "There is no doubt but what it takes more brains, more courage, all.-Wm. Hull, New Westminster and more skilful intelligence to Dist., B.C.



E P SYNOPSIS OF CANADIAN NORTH-WEST LAND REGULATIONS

Any years where the back state of a innur, years main state of a back of a may how may main state of a back of a may how may main the state of a state of a back of

of intending normesteader. Duttee-dix months' residence upon cultywation of the innd in each of t years. A homesteader may ive w, nine miles of his homestead on a har, its miles of his homestead on a har, odd by him or by fully owned and or od by him or by fully owned and or od by him or by fully owned and or in corrisp district a homestead.

daughter, brother or sister. La certain districts, a hormsteader in section dans and the sector of the sector sector dans and the sector of the sector per acre. Justise-Muss reads upon the hormstead or pre-emption six months and hormstead sector (main from date of horm-tead setty (main from date of horm-tead setty (main from date of horm-tead setty hormstead patent) and smilly acre afty acres setts.

fity nores extra. A homesteader who has exhausted his homestead rights and cannot obtain a pre-ampideon may enter for a purchased uomestead in cortain districts. Frice 83.00 uomestead there due to the state of the state una scale of there due to the state of the acres and erect a house worth \$200

#### W. W. CORT.

Deputy of the Minister of the Interio R.E.-Unauthorized publication of the advertisement will not be paid for.

STANCHIONS



#### It Used to Take Days, Now it is Done in Hours.

The traction engine and gang plows operated as seen in the illustration do the ame work in a few hours that previoually took as many days, thus solving the publem of getting a large field plowed when in just the right condition. In the adjusting article Mr. Shuttleworth suggests that such an outfit could do contract powing on small farms where the investment in a power plow would not be plowing of profitable.

The following spring, in two fields of 26 and 19 acres where the footing was not good and with a rather stiff we used only six furrows, uncoupling one of the gangs. This power has solved, for us at least, our hardest and most tedious farming pperation. Plowing can now be done n it should be without keeping a number of extra horses that can be done without when it is finished.

24 HOURS' WORK

A 10 hour day is all horses can stand, but with this power there is no reason why 20 to 24 hours' work should not be done when the land is in shape by having two shifts, six hours on and six off. The engine runs about four and a half miles or a little over an hour while hauling the

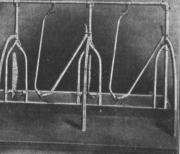
aght-furrow gang. It may be said that the 100 acre armer will not benefit by this power. There is no reason why cooperative or contract plowing should not be done on the 100 acre farms. Out-fits might be manufactured .or arms of 100 acres, for there are numerous farm operations other than plowing that can be done by this motive. Better cultivation of the soil will result because more time can be given to it, when plowing that ordi-narily takes days can be done in almost as many hours.

d down alfalfa sod will appreciate the work done. The whole outfit was compact, easily handled by one man on the engine and one on the provide the source of the source of the source of the source of the provide the source of t

There never was a time in the history of Canada when the dairymon were paying so much attention to ventilation, sanitation and equipment of their dairy stables. This is an age for cement and steel. When you are laying your stable floors it is an easy matter to install steel stalls and stanchions.

> An increasingly large number of stables are being equipped with Louden's Stalls and Stanchions because they give Perfect Satisfaction wherever they are used. they are made of tubular steel, fastened together firmly with malleable couplings without in any way weakening the stalls. The stanchions will hold the strongest bull, and yet they are so arranged that no weight of any kind rests on the animal's neck.

For prices, plans, circulars, etc., write



STEEL STALLS AND

LOUDEN MACHINERY CO. **GUELPH, ONTARIO** 

Haying Tools, Barn Door Hangers, Cow Stalls and Stanchions, Hardways Specialties, Etc.





FARM AND DAIRY AND RURAL HOME

Published by The Rural Publishing Company, Limited.

CEL AND

1. FARM AND DAIRY is published every Thureday. It is the official organ of the British Columbia, Manitoba, Eastern and Western Ontario, and Bedford District, Quebec, Dairymen's Associations, and of the Oanadian Holstein. Ayrabire, and Jør-sey Cattle Breeders' Associations.

2 SUBSCRIPTION PRICE, \$1.0 a year, strictly in advance. Great Britain, \$1.20 year. For all countries, except Canada and Great Britain, add 50c for postage. A year's subscription free for a club of two new subscripters.

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4. CHANGE OF ADDRESS. -- When a change of address is ordered, both the old and new addresses must be given.

5. ADVERTISING RATES quoted on ap-lication. Copy received up to the Friday receding the following week's issue.

6. WE INVITE FARMERS to write us on my agricultural topic. We are always pleased to receive practical articles.

CIRCULATION STATEMENT

CIRCULATION STATEMENT The paid subscriptions to Farm and Dairy exceeds 16,164. The actual circula-tion of each issue, including copies of the paper sent subscribers who are but slight by in arreats, and scopies. No subscrip-tions are accepted at less than the full subscription rates. This sour mailing lists do not contain any dend circulation. Sworn detailed sustements the distin-tion by counties and provinces, will be mailed free on request. mailed free on request.

OUR PROTECTIVE POLICY

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FARM AND DAIRY PETERBORO. ONT.

#### EXTEND R. OF P. TESTS

A critical period has been reached in the history of the Record of Performance test movement in Canada. More money is needed to carry on and extend the work. So extensively have breeders of pure bred dairy cattle taken advantage of this test that the present staff of inspectors is quite inadequate to handle the work in a satisfactory manner. For some time past the inspectors have not been able to make the necessary visits to the breeders' farms in anything like schedule time If the work grows in the future as it has in the past, and we believe it will, it will soon get beyond the control of the present staff of inspectors.

The necessity of some uniform system of official records of the production of pure bred cattle is now recognized by all progressive breeders, and sent liquidation. For the past three

#### FARM AND DAIRY

the Canadian Record of Performance has supplied this necessary test. The interests of pure-bred dairy cattle in Canada have been greatly forwarded by the Record of Performance, and any necessary money for the conducting and extending of the work should be forthcoming and granted willingly.

#### WHY BUY FEED?

"Can I afford to buy grain feed for my dairy cows?" This is a question which many dairymen, particularly those shipping milk to the city, are asking themselves. Short grain and hay crops over a great part of Ontario, makes the buying of feed this winter a necessity with many if the milk flow is to be kept up.

The buying of grain is regarded as a risky proposition by most farmers A little experience, however, will convince us that by good management we can generally make a profit buying mill feeds for dairy cows in winter. Last winter we came across a case in point. A farmer who was a good feeder, had bought a pure bred Holstein heifer of good breeding from one of his friends, who did not think that buying grain was a profitable proposition. This heifer was producing twenty-five pounds of milk a day. Our grain-buying friend started in to feed, in addition to the ration which the cow had always received, ten pounds of mixed meal

that cost him fifteen cents. In just two weeks, the heifer was giving fiftyfive pounds of milk a day, the extra thirty pounds of milk being worth forty cents.

Can we afford to feed fifteen cents worth of grain to get forty cents worth of milk? Put in this way the question answers itself. All of us can not get such results as this, but we believe that a little experience in feeding bought meals to dairy cows is all that is necessary to convince the most dubious that when necessary buying grains is a profitable proposition.

#### ANENT SHEEP PRICES

Live stock dealers in Canada have noted a tendency on the part of Ontario farmers to sell out their breeding ewes and go out of sheep altogether. The low price of lambs and the uncertain condition of the sheep market that have prevailed for the last few months in both Canada and the United States has been almost enough to discourage those of us who have held to sheep and have always regarded the sheep as a profitable animal to have on the farm. A closer study of market conditions. however, should convince us that we are parting with our ewes when they are just about to be of most value to us.

The present low price of mutton products is not normal and cannot last. The low prices that have prevailed since last fall have been due to the immense shipments from the shipments, however, have not been their associations. If you want to during a few mene stand at the top a during production; they repreduction, cultivate the companionship sent liquidation. For the past three of men who know more than you do.

years sheep breeders in the western states have had unfavorable weather conditions. They are now face to face with bankruptcy and are "cashing in" on what stock they have on hand. Leading United States stock papers, such as the Breeders' Gazette, view with alarm this depleting of the breeding stock of that country.

We may confidently look forward to unusually high prices for mutton products in the near future when the market has recovered from the effect of the present large shipments. Those of us who hold on to our breeding ewes will then be in a position to cater to a high market. Let us not be discouraged by present low prices. They are the matter of a few months only.

#### POULTRY INDUSTRY NEGLECTED

The poultry industry of Canada is in need of more liberal assistance From being an exporting country of poultry produce a few years ago, we now import immense quantities of eggs each year. So far practically nothing has been done to encourage and assist this industry in the Dominion. Government assistance to the poultry industry has been followed by gratifying results in several European countries.

"Assisting industry" is a common phrase with politicians. That industry be assisted is taken as an axiom of good government in Canada. And do we assist industry? We spend millions of dollars on it. But were a stranger totally unacquainted with Canadian conditions to look over our list of expenditures he would probably come to the conclusion that agriculture was the least important of all our industries, so little is spent in assisting agriculture. If he were to analyse the agricultural expenditures, he would probably come to the conclusion that the poultry industry was of very small value or that it was not in need of assistance.

Neither assumption would be correct. The annual value of our poultry industry runs into millions of dollars. There is no industry in Canada on which a little wise expenditure on educational and investigation work would bring greater .esults to the country. Mr. Gilbert, the present chief of the poultry department, has always been hampered in his work by lack of funds, and much valuable work has had to be passed over in consequence.

Assistance given to the poultry industry is not charity. It is good business. Our new Premier, Mr. Borden, has already stated that he favors the granting of liberal assistance for the improvement of agriculture. We trust that the new Minister of Agriculture at Ottawa will see his opportunity and influence his colleagues towards using some of the Dominion's revenue in putting our poultry industry on a better basis.

Men, like boys, are influenced by

#### October 19, 1911

The rains of summer are not half as important to crop growth as many of us think. They are only one third as important a Conserving some of us think The

Soil Moisture rains of summer provide only about one third of the average moisture requir ed for bringing a crop from the germination of the seed to maturity The moisture that really counts is that which will be laid up in the soil between now and next spring Any system of management that will in-

crease the water holding capacity of the soil will also increase the size of our crop next year. We can make a good start towards increasing the yields of our crops next year by plowing the fields this fall. The rough surface of plowed land absorb moisture that would otherwise run off. The water-holding capacity d plowed land is greater than that of land in sod. This is one of the main reasons why in almost all cases fail plowing is preferable to spring plowing.

If you help make a pie and furnish the filling you surely expect a share when it is done. There are some people so stingy they Share the would eat the whole pie themselves if they Profits

got a chance. There are some advertisers so selfish they would take all the legitimate profit from a sale and a lot more besides it they could get it. Such advertiser cannot buy space in Farm and Dairy because we believe in protecting our readers, as indicated in our Protect tive policy published on this editoria page.

Big men are seldom born that way: they grow with their opportunitiesand they make more opportunities a they need them.

#### Potency of Improved Blood (Breeders' Gazette.)

The improving effects of good blood in any kind of live stock are as suras day. Young animals of superior character in the community mark the location of every sire of unusua merit. Wherever there are many merit. Wherever there are many well-bred sires and possibly some herd of equally excellent females, the num ber of high-class young stock is een tain to be correspondingly large. Strue is this that one can judge any rately of the progressiveness of the community or of any stockman in noting the character of stock in the sold.

fields Although the fact that blood will Although the fact that blood and tell is clearly demonstrated on the sands of farms, the lesson is not quickly learned by the majority d farmore Location, climate, feedy Location, climate farmers. accidents and many other accidents and many other initiates for the mediocrity of their stoo when in reality the trouble is me often with the ancestry. A give waste good blood by giving its care, but for every one that dons i there are a hundred who waste se care on tacked of inferior breeding. care on stock of inferior breeding lifetime spent breeding animals it inferior stock will not gain one at fraction of the success that atte atten a few years of work built on the foundation stock.

October 19, 19

#### Capital or

W. C. Palmer, N. Capital is neede as well as in any b is a very expressi a condition that farms. The new blamed if he is sh does wisely in sec if he does not hav equip it as well as trouble comes when enough to pay for buys more land in equipping the farm policy is a good denerchant who, ha to occupy a small buys another store more stock to put This argument 1 land will rise in va the store. Will t

the store. Will t than working the capacity? The st goods on the shelv ncrease in value malf-worked farm in value as fast as And when it does a not due to any eff but will come as greater demand for up-to-date farmers

It has been foun that at least one-hashould be put inte buildings as into 1 tion of working to of course, differ a gives an idea of the more than land to i cessful farm.

#### The Farmers an (Grain Grou

By a very large r working farmers of vinces have endorse reciprocal trade States. It was the mers who forced the mersity into the form procity into the fore became an issue th guns in a manner t miration. They di party but for a pr endorsed that princ Provinces in nearly were not figh Liberal Government have the tariff wall farmers of the Pra monstrated their po will compel every g special interests to consideration. Had reciprocity been su ferendum in the without being hand peals to party loy would have endorsed of ninety-five per ce

ber It has been remain mers might as well zation. If the farm

Canada had fought t did in the Prairie 1 city would have bee why should the far discouraged now they cease their ef stronger and more than ever and the power is solemnly a larger percentage than any governmer Not often before

been able to secure the federal governme Liberal Government ments made to rais higher. Had not the mers met the tarif cost of living wo the and the farmers' trib facturers would have The same thing wil The manufacturers a considerable increase

#### Capital on the Farm W. C. Palmer, N. Dak. Agri. College,

W. C. Palmer, N. Dak. Agri. College. Capital is needed in running a farm as well as in any businese. Land poor is a very expressive term, and it is a condition that too often exists on farms. The new beginner cannot be blaned if the is short of capital. He does wisely in securing a farm, even if he does not have capital anough to equip it as well as he would like. The trouble comes when this farmer makes enough to pay for his farm and then bays more land instead of theorogaphy equipping the farm be has. Such a policy is a good deal like that of theo-merchant who, having goods enough to explore a small part of his store, have stock to put on his sterve. more stock to put on his shelves.

This argument might be used-the and will rise in value—and so might the store. Will this bring in more than working the farm to its full capacity? The store with but few goods on the shelves is not likely to increase in value very fast, and the half-worked farm does not increase in value as fast as the well-tilled acres. in value as fast as the went-blued acres. And when it does go up in value it is not due to any efforts of its owner, but will come as a result of the greater demand for land or because of up-to-date farmers on the surrounding

It has been found from experience It has been found from experience that at least one-half as much money should be put into equipment and buildings as into land. This propor-tion of working to fixed capital will, of course, diffor a good deal, yet it gives an idea of the need of something the land to make the meet unc more than land to make the most successful farm

#### The Farmers and the Election (Grain Growers' Guide)

By a very large majority the actual working farmers of the Prairie Pro-vinces have endorsed the principle of reciprocal trade with the United States. It was the organized far-mers who forced the question of reci-recipit into the forefront and when it procity into the forefront and when it became an issue they stood to their guns in a manner that challenges admiration. They did not stand for a party but for a principle, and they endorsed that principle in the Prairie Provinces in nearly every rural seat. were not fighting to have the Liberal Government sustained, but to have the tariff wall broken down. The farmers of the Prairie Provinces de-monstrated their power in a way that will compel every government and all special interests to give them caretul consideration. Had the question of reciprocity been submitted to a Re-ferendum in the Prairie Provinces without being handicapped by ap-peals to party loyalty the farmers would have endorsed it to the extent peals of ninety-five per cent. of their num-

It has been remarked that the far-mers might as well drop their organization. If the farmers in the rest of Canada had fought their fight as taev did in the Prairie Provinces recipro-city would have been endorsed. But why should the farmers of the west be discouraged now? Why should Why should ? They are they cease their efforts? They are stronger and more influential to-day than ever and the Government in power is solemnly pledged to grant a larger percentage of their demands than any government ever granted. Not often before have the farmers

able to secure concessions from the federal government. In 1906 the Liberal Government had all arrange nents made to raise the tariff still higher. Had not the organized far-mers met the tariff commission at that time with most decided protests the cost of living would have gone up and the farmers' tribute to the manu-facturers would have been increased. same thing will happen to-day. The manufacturers are anticipating a considerable increase in their protec-

The railway tion. The railway companies are planning to prevent the Government from building and operating the Hudson's Bay Railway. The Retail Merchants' Association will fight to prevent the Government passing the Cooperative bill. The levator com-panies will fight against Government nueration of the terminol good all the companies panies will fight against Government operation of the terminals and all the big packing interests will do all in their power to prevent any relief be-ing given to the farmers through a chilled meat industry. Now, if the farmers cease their work of organization and education, what will happen? All the big inter-ests will work day and night to pre-

what will happen? All the big inter-ests will work day and night to pre-vent Mr. Borden making good his pledge. They believe that they are now in control of the situation. Never was there a time in the history of Canada when there was so much need for the farmers to organize and adu for the farmers to organize and educate and to make every preparation for mutual protection.

#### **Points About Weaning Foals** Dr. J. G. Rutherford, Ottawa

It is a good plan to teach the foal eat out of the same box as his dam, and it is astonishing how little tuiand it is astonishing how nittle tup-tion, even with very young colts, is necessary when the food is placed within easy reach. For some time also before the foal is actually wean-ed he should be schooled to drink milk, if there is milk to be had, and it is wall to remember in this connectit is well to remember in this connec-tion that milk drinking is an accom-plishment of no little value for any fion that muk drinking is an accoun-plishment of no little value for any horse to acquire. Nothing is more advantageous to an animal suffering from any febrile or debilitating disease than the voluntary absorption of milk in lieu of other fluid when the appetite for solids is capricious, or altogether lost

As regards the diet best suited for young foals, many different opinions are promulgated, but in the experito good sound oats, with a moderate admixture of bran twice a day, and admixture of bran twice a day, and a well-scaled, not too bulky, mash of the same materials, seasoned with a tablespoonful of salt, and perhaps a handful of crushed oil cake for the evening meal. Many recom-mend crushed oats, but repeated trials have convinced the most succreasing have convinced the most suc-cessful breeders that whole oats are more nutritious, and if properly mas-ticated, as they generally are when fed with dry bran, more easily di-gested than chopped feed of any kind.

#### HALTER BREAKING IMPORTANT

Colts should be halter-broken and taught to lead when yet with the dam, as this renders them much more tractable and easily controlled during the excitement inseparable during the excitement inseparable from weaning, and also facilitates housing when the accommodation is limited, and there are several to be kept together.

Loose boxes are preferable to ordi-Loose boxes are preferable to ordi-nary stalls for young stock, but pro-vided the stable is clean, airy and well lighted it will do no harm to have them tied at night, taking it for granted that they enjoy for the greater part of every day the freedom of a roomy, and, in winter, well she<sup>1</sup>-

This latter point is of very great importance. Your youngster must have a chance to develop bone and muscle, and in no way other than by lots of exercise can he be reasonably expected to properly assimilate the generous diet recommended above. for despite all old-fashioned ideas to the contrary, without a liberal gram allowance he will not likely be much to look at when the sun begins to melt the snow in the spring. When two or more colts are kept

together it is better to have them separated at feeding times, or the strongest of the lot will be apt to wax fat at the expense of the weaker.



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tests made by each operator. They take one representative sample from the entire shipment, the test of the sample multiplied by the pounds of

cream received gives the total pounds of butter fat which should be the same as the pounds of butter fat shown by the individual test. OVER ONE PER CENT VARIATION ILLEGAL We have a law in Kansas limiting the variation between the butter shown by the individual test and the fat the cream actually contains. According to this law the variation be-tween the two must not be more than one per cent. By way of explanation

of these sections of our law, I wish to say that the one per cent. variation referred to is on the one hun-dred pounds of butter fat bought and not the test; for instance, A bought The test, for infinite A boost cream from one or more patrons, which cream actually contained 100 bls. of butter fat, but if by his tests he gives the patron credit for less than 99 or more than 101 lbs. the tests would be contrary to the law.

Our law does not demand that the person testing cream shall use the scales. This is unnecessary owing to the provision of the sections menthe provision of the sections mean-tioned, as no person can accurately check within the lawful limit of var-iation unless the value of the far-mer's cream is determined by a weighed sample. The difference in the specific gravity of crean testing 20 per cent, and that testing 50 per cent, makes it necessary to weigh the sample. Then, too, the condi-tion of the cream when sour or gassy would make it difficult to deliver by pipette measurement the amount that is intended to deliver. Whether or not the cream should be tested by weighed sample by Babcock test is no longer an open question in this state. The result of the Babcock test is The result of the Babcock test is only accurate when 18 grams in weight, or the equivalent thereto, is used (depending upon the style of bottle used). The lscc. pipette will not deliver 18 grams in weight.

FOR CONVENIENCE IN READING

We have established through this state the use of the nine gram, six inch, 50 per cent. direct reading bottle. The diameter of the neck this bottle is reduced by one-half, thereby narrowing the limits of the meniscus and making it possible to

**Creamery Department** Ruiter makers are lavited to send contic purposes. Our condensers buy the milk at so much a cwt., containing a certain per cent. of butter fat; hence, the price varies in accordance with the per cent of fat the milk contains. The farmers of Kansas would not tolerate any other method, as they have confidence in the Babcock test. ABOUT CREAM SCALES

We have experienced a great deal of trouble in getting cream scales that are sensitive enough and at the same time substantial enough to stand the rough usage that they re-ceive. The scales used in determin-ing the charge for the Babcock bottle should be very sensitive, perfectly level and placed upon a solid base made of concrete or some other ma-terial that will not be influenced by the vibration of machinery, etc. The scales should be protected by a case so that they will not be influenced by wind when in use and when not in use can be covered to protect them from dust or injury. Oil should never be used upon cream scales.— D. M. Wilson, Dairy Commissioner, Kansas.

#### Churning-Working- Packing\* L. A. Zufelt, Supt. Kingston Dairy School

Churning is simply the application of concussion to the cream, which brings two or more of the fat globof ules together causing them to unite. When sufficinet of these have united so as to be visible, we call them granules.

The churning temperature is the temperature at which the globules will adhere to one another. If the temperature is too low, they strike and go by without adhering and the temperature must be raised until the fat is sufficiently soft to stick. If the temperaure is too high, we are liable not to get an exhaustive churn-ing, the butter will be soft, and an excessive amount of casein may also he incorporated.

No fixed churning temperature can be given. It depends largely on the proportion of the hard and soft fats present and the degree of ripeness and richness of the cream. Each butter maker will have to determine -to churn at as low a temperature as is possible, providing it does not take over three-quarters of an hour to one hour to bring the butter. When the churning is completed, the granules should be the size of wheat or slightly larger, not smooth but ragged in appearance

Sufficient water should be used to wash out all traces of butter milk, and at a temperature to leave the butter sufficiently firm for working. Working is for the purpose of com pressing the granules into a more pressing the granues into a more solid mass, to more evenly distribute the salt and to remove excessive moisture. Salt is added to improve the flavor and add to the keeping qualities of the butter. In working care should be observed that no un-due friction be employed as otherwise

gue fraction be employed as otherwise the grain may be injured and be-come greasy or salvy. No other article of food, by its "opearance, affects our senses more than does butter. Too much pains, therefore, cannot be taken to make the butter have an attractive appear-need. If we are making being read-If we are making bricks ance. ance. If we are making bricks see that they are square and neatly wrapped. If we are making solids have the boxes clean and the butter packed solid, without any holes or vacancies in the corners. The air

October 19, 1911

should be thoroughly excluded and the butter stored in a clean place, where the temperature can be main-tained at or near freezing point, if to be kept for any length of time.

#### **Discussion on Salting Butter**

"One of the difficulties we have as butter buyers is to get a carload of butter evenly salted," said Mr. J. B. Muir, of Ingersoll, at a meeting of creamery men from various points in Western Ontario at Guelph. "The makers will claim that they all use the same percentage of salt, but the difference of the salty flavor in the butter product is wide, although we notice that the salting of butter from the same creamery is uniform." These statements of Mr. Muir's led an instructive discussion on salting of butter, and we here repro-duce some of the ideas of the creamery men present for Farm and Dairy readers to compare with their own methods :

"We estimate how many pounds of "We estimate how many pounds of butter we will make when the cream is put in the churn. We know the weight of the cream and the per-centage of fat. From this we cal-culate the amount of salt required. The size of the granules and the time allowed to drain affects the salt content of butter. When butter is content of butter. When butter is not well drained there may be enough water left in the churn to wash a lot water left in the churn to wash a lot of salt out of the butter and uniform salting cannot result."—Jas. McFee-ters, Grey Co., Int. "The condition of the butter when the salt is added affects the moisture content. The larger the gathering

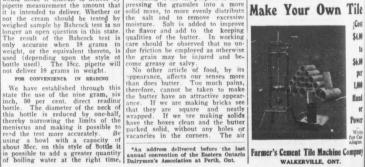
the more salt will be retained in the

the more salt will be retained in the butter, as there is less free moisture to wash it out."—W. Taylor, Well-ington Co., Ont. "'Four to five per cent, of salt add-ed to butter is best for the Canadian trade."—J. B. Muir, Oxford Co., Out.

Ont. "Another feature other than quantity of salt that we butter makers should pay attention to is the quality of the salt. Some of my salted butshould pay attention to is the quanty of the sait. Some of my saited but-ter at Toronto last year scored % and 96 per cent., while non-saited butter scored 98. The difference was due to bad flavored salt."—R. M. Player, Bruce Co., Ont.

Patrons are standing in their own light when they permit a creamery to start up in a section where there is already one that is giving satis-faction in the hope that by competition they will get more satisfactory terms. Small production invariably terms. Small production invariably means higher cost of production in the creamery business. By encouragng more creameries in a limited sec tion, patrons are causing loss to themselves as well as to the creamery man.-M. J. Lewis, Victoria C. >

Int.



October 19, 1

## \*\*\*\*\*\*\*\*\*\*\* Cheese

Makers are invite to this department matters relating suggest subjects f letters to The Ches 2000000000000

#### Cheese Fact

Cheese factori blessing to us w farm; they have dairying which "i was often similar that broke the ca ways had plenty work and feeding of husband, son When in addition make butter three week in summer a the pans or crean ter bowl, and the that enter into far almost more than

Now the milk is to the cans and factory. All we end house is the suppl in the bottom of for household pur couple of big 30-ga matter of 10 min comparison with under the old sys all. If there is an Canada who shou factories with gr women on the farr Hastings Co., Ont.

#### Maker Boosts

#### J. J. Hogan, Pe

A cool curing factory is an imp machinery in con ing cheese or butt for four years with room I used ice then that I ing room cool the room and thing like the rest of the cheese that ice in two large iside of the room; full of ice hung fic and there through The results, howev compared with the cool curing eithe shrinkage or in a

It cost us to ins ing plant four hund lars. Our make time was about 80 costs us about \$2 chamber. It mig other factories, as miles from the rive the cutting ourselve \$2 a day for man their board. I bel our plant in shrink seasons. GREAT IN HO

In the four mont ther we consider th 25 per cent. better previously. In the the weather is very

under ordinary rooms are just FOR SALE AND W TWO CENTS A WORD,

CHEESE FACTORY For sale or rent For sale or Building almost or rent. price fo rice for making. arrounding country. atcrested financially their cows if chees amount money neede er going to reside in Very light opposition once for less than ha day.—Box 650, Farm

Dairy Methods in Kansas

Editor, Farm and Dairy,-Having

October 19, 1911

Cheese Denartment cheese, therefore, are not properly cured and are not worth as much money as cheese cured in a cool cur-Cheese Department Makers are invited to send contributions of the department, to ask questions on suggest ablects for discussion. Address interest relations of the send stars of Department.

#### Cheese Factories a Blessing

Cheese factories are an

unmixed blessing to us women folk on the farm; they have freed us from home dairying which "in the good old days" was often similar to that last straw that broke the camel's back. We always had plenty to do with house-work and feeding the hungry maws of husband, sons and hired men. when in addition to that we had to make butter three or four times a work in summer as well as to wash up pans or creamers, the churn, butthe ball of the numerous utensils that enter into farm dairy work, it was almost more than we could stand.

almost more than we could stand. Now the milk is taken from the cows to the cans and in the cans to the factory. All we ever see of it in the house is the supply that is brought in in the bottom of a bucket to be used for household purposes. Washing a couple of big 30-gallon cans is only a comparison with the work entailed under the old system, is nothing at under the old system, is nothing at all. If there is any class of people in Canada who should look on cheese factories with great favor it is we women on the farm.—"One of Them." Hastings Co., Ont.

#### Maker Boosts Cool Curing

J. J. Hogan, Peterboro Co., Ont. A cool curing room in a cheese factory is an important part of the machinery in connection with making cheese or butter. I made cheese for four years with the ordinary curing room I used about one-half of the ice then that I do now trying to cool the room and didn't have anything like the results in the quality of the cheese that I get now. I had I had ice in two large pans, one at each side of the room; also several bags full of ice hung from the ceiling here and there through the curing room and there through the curing room. The results, however, were not to be compared with those obtained from cool curing either in saving in shrinkage or in a better quality of

It cost us to install our cool curing plant four hundred and sixty dollars. Our make of cheese at that time was about 80 tons a season. It Costs us about \$20 to fill our ice chamber. It might cost more at other factories, as we are only two miles from the river and do most of the cutting ourselves. We figure on  $3^{\circ}$  a due for more one their board. I believe we paid for our plant in shrinkage alone in two seasons.

#### GREAT IN HOT WEATHER

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ist

In the four months of warm weaer we consider that our cheese are The second definition of the second definition

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CHEESE FACTORY AND CREAMERY-CHEESE PACTORY AND CREAMERY-For sale or rent, Western Ontario. Building almost new. Near town. Big price for making. Large, rich, iorei surrounding country. Some farmers are interested financially and will double their cows if cheese is made. Small adount momey needed to secure it. Own-dation of the secure is the secure in the property of the secure is the secure in the first security of the security of the first security of the security of

#### FARM AND DAIRY

ing room, where the temperature does not vary more than five or six degrees from spring to fall. Any-one who knows anything about one who knows anything about cheese, especially anyone who has had practical experience with both ordinary and cool curing rooms, will bear me out in this.

#### THE MANUFACTURERS' SIDE

Then consider, as manufacturers, our side of cool curing. It is a comfort to know that if our cheese are properly made and placed in a cool curing room, where we have the tem-perature under control, the cheese are perture under control, the cheese are going to go off our hands in good shape. With an ordinary curing room we may make our cheese as well as very can be made, but if put in an ordinary room and a week or 10 days hot weather should come along, as is often the case, what are the cheese like? The grease is often running down on the floor. The cheese are onened up, and frequently cheese are opened up, and frequently off flavor. It is "up to" either the off flavor. It is "up to" either the cheese maker, the proprietor of the factory, or the patrons to pay the cuts on the cheese. A few of these cuts would go a long way towards installing a cool curing plant. I consider that the cost of our plant was money well spent

Have you forgotten to renew your subscription to Farm and Dairy?

Wheya Source of Contamination

R. W. Ward, Peterboro Co., Ont. R. W. Ward, Preteroors Us., URI. I most decidedly object to the prac-tion of carrying whey in the milk say some, but it does not work out. Those of us who have seen the whey running over the floor in the cheese factory would hate it in preference to milk even were it as a prreaching to the task. even were it as agreeable to the taste.

even were it as agreeable to the taste. Putting the whey in the milk cans, therefore, does not clean them. It is a source of cast clean them. It is a source of cast objection that 1 have to taking it home in the cans. Whey is a carrier of injurious bac-teria. If in a factory with 60 patrons only one patron has milk in which is a dangerous formentation. carrying the dangerous fermentation, carrying dangerous fermentation, carrying the whey in the milk cans may spread this fermentation to the whole section. In one section of Eastern Ontario some years ago all of the factories had to be closed up. Good cheese could not be made. The chief dairy instructor he made. The chief dairy instructor visited the factoria and the premises of the patrons and arrive a horough cleaning up, also thread the presence of the practice of carry abolishment of the milk caus. The factor when in the milk caus. The factor when in the milk caus. The factor when the the rively the presence of the the trouble. Pasteurization would have to be most thorough the most choses makers can be depended on to do it. do it.

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M 1654-"THE LEADER"



A HOUSE BLESSING THE beauty of the house is order. The blessing of the house is contentment. The glory of the house is hospitality. The crown of the house is Godliness. . . .

> The Second Chance (Copyrighted) NELLIE L. McCLUNG Author of "Sowing Seeds in Danny' (Continued from last week)

(Continued from last userk) Pearl, the oldest daughter of John Watson, a C. P. R. section man living in Millord, Man. receives a large sum of monty froe dineate herself and the rest of labram abs had surved when il olicit the section of the relatives of a young Eng-lishman abs had surved when il olicit the section of the rest of the mainteen bleasing. Pearl proves an efficient and civers echolar and has dreams of being a school teacher. Bhs sees that her small brothers are learning had habits in the town and gives up her ambition to be a school teacher and suggests moving the family onto a farm, to which John Watson agrees. We are intro-duced to the children at a country school. Tom Stachman built which he is of shinny, intentionally strikes with his club libby to say the blow was inten-tionally attrikes. Mr. Stachman moore, Bud Perkins is angry, but for-witatons are setting established on their farm. The Watson family begin to attend the country school. Pearl becomes anxious about the spiritual welfare of the people. the people

M RS, DUCKER was the presi-dent of the Ladies' Aid Socie-trinking: and given to serious thinking: so when she read an article in the "First everybady felt that not dealing with the relation of the minis-dealing with the relation of the minis-to the the minis-trial the the minis-trial the the minis-dealing with the relation of the minis-to the the minis-trial the the the minis-trial the the the the the the the the th ter's wife to the congregation, she was seriously impressed with the fact that the congregation was suffering every day by not having the minister's wife on the ground. Mrs. Ducker thereupon decided that she would bring the matter forward at the very next meeting.

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Now, it happened that the "rub-bermain" came to Millford the very day before the Ladies 'Aid meeting was held, which may seem to be a very unimportant and irrelevant fact; but it realls had a sumfacent having very unimportant and irrelevant fact; but it really had a significant bearing on that meeting of the Ladies' Aid, for little John Thomas Forrest, daz-iled by the offer of three lead-pencils for two rubbers, sold his mother's only pair, and being a cautious child, and not fond of disputatious conver-and not fond of disputatious converdid not mention the matter to sation. his mother, but left her to discover her loss herself, which she did the

her loss herself, which she diu the day of the meeting. It was a sloppy day in November. Mrs. Forrest had a cold, and she could not walk away over to Mrs. Ducker's without rubbers. Mrs. Forrest did not go to the meeting. If Mrs. For-rest had gone, she would have, be-yond doubt, raised objections. She always did, and usually very success-ful ones.

always did, and usuany very success-ful ones. But when Mrs. Ducker, after the business was over, breathlessly de-clared that she thought Mrs. Burrell should come and join her husband, she found Mrs. Francis and Mrs lates quite imbud with the same idea for they likewise were subscrib-ers to the 'Fireside Visitor.' Mrs. Francis also gave prominence to the fact that Mr. Burrell needed some one to take care of hin, for she had seen him that very day without his rubbers. Francis di not know that the day after the 'Tubberman' had been in town quite a few people weat without rubbers, not because they were careto take care of him, for sne had seen him that very day without his rubbers. ceive that evening a visit from Mrs. Francis and Mrs. Ducker. Reverend saw the purple faces of prospective francis did not know that the day John Burrell did not look like a man after the "rubbernan" had been in town quite a few people weat without rubbers, not because they were care-less of their health either. but because

dike heater, and an air of comfort pervaded his study.

The ladies made known their er rand, and then waited to see the glad look that would come into their pastor's face.

He stirred the fire before replying. "It is very kind of you ladies to think of fixing up the parsonage," he said. "Mrs. Burrell is having a very pleasant time with her mother in Toronto."

"Yes; but her place is here," Mrs. Ducker said with decision, feeling around in the shadowy aisles of her mind for some of the "Fireside Visitors" arguments, "It is lonely for you, and it must be for her." Mr. Burrell did not say it was not.

Mrs. Francis was filled with enthu-siasm over the idea of fixing up the stasm over the idea of name up in parsonage, and endeavoured, too, to give him some of the reasons why a church prospers better spiritually when there is a woman to help in the administration of its affairs.

When the women had gone, the Reverend John Burrell sat looking long and earnestly into the fire. Then he got up suddenly and rattled down the coals with almost unnecessary vigour and murmured something exclamatory about sainted someting ex-clamatory about sainted womanhood and her hand being in every good work, though that may not have been the exact words he use

The work of remodelling the par-sonage was carried on with enthusiasm, and two months later Mrs. Burrell arrived . Mrs. Ducker, Mrs. Francis, and

Mrs. Bates went to the station with Mr. Burrell to meet her, and were quite surprised to see a large, handsome, auburn-haired woman, Carry they had thoughtlessly left them in the fr.nt porch, where little boys can easily get them. Half an hour after they began to discuss it, everybody fielt that not only was the church suffering severe-



The Home on One of Our Prize Winning Farms

The house here illustrated is the house of K. House training ratios whose farm secured fourth place in Dist. No. 3 of the Dairy Farms Competition conducted by Farm overgreene and oaks. The house was built by a retired estent. is place to evergreene and oaks. The house was built by a retired officer as a country seat and represente an expenditure that would be impossible officer as a country east and represente an expenditure that would be impossible officer as a country seat and represente an expenditure of arm and Dairy. —Photo by an editor of Farm and Dairy.

ly, but that they had been the uncon-

gedy. They formed a committee on "ways and means," another one to solicit aid from country members, and a social trom country memoers, and a social committee to get up a pie social to buy a new staircarpet for the parson-age, and they appointed Mrs. Francis and Mrs. Ducker to approach Mr. Burrell on the subject of his wife's oming.

The unconscious object of their solicitude was quite surprised to re-

but that they had been the uncon-ous witnesses of a domestic tra-it is high time for me to come. Now, please do keep your mouth shut."

The first time Pearl was in Millford she called at the Methodist parsonage to see Mr. Burrell. The ques-tion of having service in the schoolhouse was bothering Pearl.

house was bothering Pearl. It was a dull brown house, with a row of tall maples in front of it, and a pansy bed, made by filling the earth into ald binder-wheels, on each side of the walk. Pearl at once thought of the old binder-wheel in the scrub at home, and in her quick fancy she saw the purple faces of prospective pansies looking up from it as it lay in front of the east window.

told Pearl to have a seat in the par-When Mr. Burrell came in he was

pleased to see Pearl, who said, in response to his friendly greeting: "We're doin' fine, Mr. Burrell, We're "we re doin 'nne, ar, burrell, we're goin' to have a crop and potates, and lots of things. There's seven of us goin' to school and learning. Jimmy's at long division. I'm just finishing 'The Lady of the Lake.' Danny's doing digits, that's another name for forgers. Patsey's readin' finishing 'The Lady of the Lake.' Danny's doing digits, that's another name for figgers. Patey's readin' at the Sweet Pea lesson, with ten of the hardest words for meanings. That's all right, but there's no church or Sunday-school. We left town to yet a better chance to bring up the heave sidek and the form is fine only boys right, and the farm is fine only for what I'm tellin' ye. Every Sunfor what I'm tellin' ye. Every Sun-day the other children trag pophers, and the people sleep or visit. I do be hearin' them tellin' about it at school, and last Sunday, mind ye, wee Patisey and Bugsey wanted to make a kite, and of course ma wouldn't let them, but Jimmy up and says-he was them, but Jimmy up and says—be was in it, too, do you mind—be says: 'Let's make it out of an "Onward,' and that will be all right; sure that's a Sunday paper.'" Mr. Burrell laughed sympathetic-ally, but shook his head, too: so Pearl knew he was with ber on the protocompare the same strain the same strain and deep—if ever a child should be learnin 'verses he's the wan. Yees

be learnin 'verses he's the wan. Yes-terday he hit his thumb when he was hammerin' with the little tack-ham-mer, and instead of just yellin' and stickin' his finger in his mouth the way he did before, he said right out plain-well, you know what the beavers build to broaden out the water? —well, that's what he said."

"Is it as bad as that, Pearlie?" Mr. Burrell asked in a shocked voice, which was contradicted by the twinkle in his action. in his eye. "It is," Pearl answered, "and 1

was wonderin' if you could come and preach to us on Sunday atternoons. and encourage them to get a Sunday school. There's lots of room in the school, and there's a fine big shed for school, and there's a hole big shed for the horses if it was raining, and there's no need of so many services here," she concluded with alarming frankness. "What I mean is," she frankness. "What I mean 15," explained in answer to his look of surprise, "there's lots of churches here ,and all kinds of preachin' goin churches on, with only a few scatterin' people out at each one."

Mrs. Burrell came in hastily and listened to the conversation. "How far out is it, Pearl?" Mr

Burrell asked Burrell asked, "About five miles, I think; just a nice drive for you and the missus." "Does she want you to take ano-ther country appointment, John?" Mrs. Burrell asked; and Pearl noticed for the first time that her hair was just the colour of their horse home—the one that was cross.

"That was Pearlie's suggestion. he answered.

"Well, indeed, he is not going to do any such thing; I should say not," and Mrs. Burrell shut her mouth with

and Mrs. Burrel shut her mouth what a click. "And, besides, nearly every Sunday it rains." "Well, that's good for the crops," said Pearl, thinking of the twenty acres of wheat in front of the house and of the oat field behind the bluff; "and, besides," quoting a favourite axiom of her mother's "he ain't sugar or salt ond he won't melt "

axiom of her mother's "he ain't sugar or salt, and he won't mett." "Well, what would happen our congregation if we had only one set vice a day' They would all be ge ing to the Presbyterian." "That won't hurt them," Pearl said hopefully. "They'll get good set-mons from Mr. Grantley." Mrs. Burrell could not think of whit she wated to eav.

she wanted to say. (Continued Next Week)

October 19, 191

## \*\*\*\*\*\*\*\*\*\*\*\*\*\* The Upwa What We Ma

Beloved, if our h not, then have we o God. And whatsoer commandments, and that are pleasing John 3, 21, 22.

The statement in this department the past few months give us good gif willing to give us t to overcome the d kinds that beset us. prevent us from o as well as spiritual ters and missional lives have whose to God's service do ceive great earthly for their efforts on tension of God's here below. Their Christ when He wa tended to show th important consider mere acquiring of having of a good and women are lay selves treasures in But even n es and C earth. ionaries and C whose trust is in G expect that God will they are provided they are provided things for themsel families, but that c furnish liberal and of money for the work here below. When we pray for purposes, however, tain that our moti ours and that it

pure, and that it i glory that this me is at this point the many of us, even ters and church m for instance, pray guired to enable handsome new chu their present edifice selves, and even will be glorified b All unconsciously, that the real real them to pray is a congregation may commodious buildi ing or rival congr lief, in the case of he can succeed it talk about how subeen in his work lead to his being larger congregation our inmost though wness of such pr

tot be disappoint therefore, if petiti such a motive When, however motive a NE pray for such bless as we may, that it pelling us so to p may know and we that our prayers w will but do our work To doubt, stances is to disho this way that the frequently when God would lead th ised land, simply and unexpected d them for the mor

Those of us wh who are engaged professional duties mothers, have the pect blessings fro have the assurance hearts are right w feel that humble

#### October 19, 1911

#### The Upward Look What We May Pray For

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Beloved, if our hearts condemn us not, then have we confidence towards And whatsoever we ask we re-God. And whatsbeer we ask we re-ceive of Him, because we keep His commandments, and do those things that are pleasing in His sight.—1, John 3, 21, 22.

The statement has been made in this department frequently during the past few months that God desires to give us good gifts, and that He is willing to give us the power we need to overcome the difficulties of all kinds that beset us. Sometimes these prevent us from obtaining material as well as spiritual blessings. Minis-ters and missionaries and others lives have been consecrated whose to God's service do not expect to re-ceive great earthly wealth in return for their efforts on behalf of the ex-tension of God's spiritual kingdom here below. Their lives, like that of here below. Their lives, like that of Christ when He was on earth, are in-tended to show that there are more important considerations than the and the mere acquiring of wealth, and the having of a good time. Such men and women are laying up for them-selves treasures in heaven and not on But even ministers and miss-s and Christian workers, ionaries and Christian workers, whose trust is in God, have a right to expect that God will not only see that they are provided with all needrul things for themselves and for their families, but that on occasion He will furnish liberal and even large sums of money for the extension of His work here below.

When we pray for money for such purposes, however, we must be cer-tain that our motives are absolutely pure, and that it is solely for God glory that this money is needed. It is at this point that Satan deceives Minis many of us, even ministers. ters and church members sometimes, for instance, pray for the means re-quired to enable them to build a handsome new church, or to enlarge their present edifice. They tell themtheir present edifice. They tell them-selves, and even believe, that God will be glorified by their so doing. All unconsciously, however, it may that the real reason which impels them to pray is a desire that their congregation may worship in a more commodious building than neighboring or rival congregations, or a be-lief, in the case of a minister, that if he can succeed it will lead people to talk about how successful he has been in his work and then, perhaps, lead to his being called to s ome still larger congregation. God, who reads our inmost thoughts, knows the holowness of such prayers, and we need bot he disappointed or surprised, therefore, if petitions impelled by a motive are not answered. however we are led by God to such a pray for such blessings and we know, as we may, that it is God who is impelling us so to pray for them, may know and we may rest assured that our prayers will be answered, if will but do our part and trust and work. To doubt, under such circum-stances is to dishonor God. It was in this way that the Israelites sinned so frequently when they doubted that God would lead them into the promised land, simply because some new and unexpected difficulty confronted them for the moment.

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Those of us who are farmers, or who are engaged in business or in professional duties, or are wives and mothers, have the same right to exFARM AND DAIRY

record for the blue Monday may be they are what God has willed directly traced to the blue Monday The combined creamery and launus to do, and when we are ready at all times to undertake gladly to perdry is sure to become popular, and still more humble en it does housewives and daughduties. ters may well be pardoned if they Christ taught us we should be when He washed the feet of His disciples, sing hymns in honour of their eman cipation from a work of drudgery. or still harder ones, as He again trught us that we should be when He set us an example by going to death on the cross, then we may hnow that ...

#### The Golden Opportunity

Among the persons who have remade provision for old age when it comes are two sisters, aged respectively 33 and 34 years. They have purchased from the Canadian Government a Last Survivor Annu ity, that is an annuity which will give them together an income of \$600 a year so long as they both live, and to be continued to the sur-giver so long as she lives. The cost vivor so long as she lives. The cost of this annuity, \$3,643.65, had been invested at five per cent. and had brought in less than \$185 annually, with the difficulty and annoyance of reinvestment. The annuity becomes payable when the younger sister at-tains the age of 55, and should both die before that time the purchase money will be refunded to their heirs us the sin that is hindering us from receiving the blessing we desire, not with three per cent. interest. Each is now earning her own 11v-

ing, and the sum paid is the fruit of their labours for a number of years. They were thus able the better of appreciate their splendid opportunity. A card of enquiry addressed to the Superintendent of Canadian Government Annuities, Ottawa, will secure for you any information you desire on the subject.

#### ...

#### The Housewife and the Fly

By Adalena F. Dyer. "Don't come into my parlor," said the Housewife to the Fly;

There's a screen at every window, and your entrance I defy. There are microles in your footsteps and a crust upon your head

Which, if not so microscopic, would fill our hearts with dread.

You carry germs of typhoid and spread consumption's bane, And our sanitary teachers paint your

crimes in language plain Don't come into my parlor; and for safety I would pray

If you walked into my dining-room upon some sunny day.

There are seeds of vile distempere hidden in your tiny wings. nd your many feet have travelled And your many

over nameless filthy things. You're a menace to our safety, you

are powerful though small, And the mischief you accomplish would the bravest heart appall.

"If you enter, I have poison all pre-

And paper, spread to tangle your germ-laden wings and feet. I will poison, trap, or smash you if you do not leave my door;

For our modern sanitation will endure your calls no more."

#### ....

#### **Household Truths**

Some men think that they are doing a great deal toward remedying this world's wrongs by reciting them

The men and women who are lifting the world upward and onward are those who encourage more than criti-

It is as much the test of discipl ship to wash or mend a net on the shore as to catch a great draught in the open sea.

There's nothing comes without call-ing in this world, and after you're called you generally must go and fetch it yourself.

Whoever looks for a friend without whoever looks for a friend while to imperfections will never find what he seeks. We love ourselves with all our faults; we should love our friends in like manner.



Why go through all that old time torment getting ready, slow and tedious work, to give away at

## **CHRISTMAS**

You can get serviceable and acceptable presents for your friends and relatives much more easily than heretofore you have gotten them.

Do a real good turn at the same time bo a real good turn at the same time to others by seeing them and getting them to take Farm and Dairy for a year. Then claim the premiums we offer and use them for Xmas presents. Our premiums will delight you and

Our premiums will delight you and your friends. Women folks find it easy to get sub-scribers for Farm and Dairy, so you will have no trouble to get us a nice list of new subscribers such as will entitle you

new subscribers such as will entitle you to several promiuma. Women's Kitchen Friend for 2 New Subscriptions: a Bocking Chair, for 5; a real handsome Clock for 5; a Repeating Arm Clock for 5; a Repeating to the second second second second for the second second







we are working in harmony with C

and that He will be glad to bless all our efforts on His behalf.

If under these circumstances we know that we would gladly become

ministers or missionaries, or servants

or laboring men or women if God

called us to such service, but we feel that God has called us to be business

men or farmers or housewives, then

we may rest assured that as long as we are doing His will He desires and

expects us to obtain a due measure of success as farmers or business men

or as wives and mothers. If we are not progressing and honoring Him in the performance of our duties, then

we had better get down on our knees

before Him and ask Him to reveal to

that we may be exalted, but that He

A farmer who is a professing Chris-

tian, but who farms in a careless, un-

may be glorified.

Out with the Sheep and Lambs for Their Pictures

Mr. Sandy Matchett's little girls, Mr. Sindy Matchetts http://mr. was live in Peterboro Co., Ont., may here be seen as they were caught unexpectedly by the camera after they had rounded up the sheep and lambs for an editor of Farm and Dairy

thrifty manner, is not as good a Christian as he should be. Neither is the Christian business man who ne-glects his business, or the Christian doctor who does not keep himself posted in regard to the latest ad-vances in the practice of medicine, or the Christian mother who does not exercise wise and firm control over her children, and in the management of her household. God will give us the wisdom and strength to perform all such duties wisely and well if we will but trust His promises and strive through Him to perform His will for us.-I. H. N.

#### ...

#### Laundry and Creamery

Laundries operated in connection with creameries promise to reliev the farmer's wife of that bugbearrelieve the weekly washing. A laundry might be a profitable sideline to a cream-ery. The following from a U.S. publication will be of interest: We notice that 250 farmers in a Minneeta computing them installed

Minnesota community have installed a first-class laundry in connection with their creamery and it is estimated that the washings can be done for the patrons at an average cost of \$1 a month.

Just think what this means in the way of removing from the home one of the heaviest drudgeries! From the standpoint of health and sanitation there is not one home in 50 in which the washings can be done through the winter months without pect blessings from God when we being a menace to the health of that have the assurance within us that our hearts are right with God. When we yard in the land that does not con-feel that humble though our duties tain several mounds that can be 1017

John G. Dickinson, Perth Co., Ont. Some time ago a number of boys, farmers' sons in particular, started in to study in the Manual Trining School of Straiford. May I ak: "What pros-pects have these boys, or what are

Well, Well!

THIS is a HOME DYE

that ANYONE

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**DIFFERENT KINDS** 

of Goods with the SAME Dye. lused

ONE DYEFORALL KINDS OF GOO **CLEAN** and SIMPLE to Use.

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can use

# The Boy-Why He Leaves the Farm John G. Dickinson, Perth Co., Ont. their studies?' Many who are engag-ed in studies in colleges, universities or technical schools are there for the hope of obtaining good positions in them later years, or a fairly decent wage or salary at the end of their working right.

terms. terms. What does the farmer pay his son! Next to nothing in the majority of cases. And still they wonder and pull a long face if they find upon waking up some morning that the boy has packed up and gone. I say it serves them right. Farmer pay their bired men \$25 Farmer pay their bired men \$25

It serves them right. Farmers pay their hired men \$25 to \$35 a month and during harvest time as high as \$2.75 to \$3.00 a day. The son has a hard time if he can so time as high as \$2.76 to \$3.00 a day. The son has a hard time if he can so much as secure a dollar a week or occasionally. that a month. I know of instances where the son has a little tohacco mong and his durch mongy at the week end. The far when he divit any ambition at all who will stay at home and put up with these conditions. Is it any wonder that they go to large cities where \$5.00 a week looks good to them with work not nearly so hard? If they secure work as helpers in a foundry, or as packing and chipping clerks in large establishments and receive \$1.50 a day, they think they are on the road to fortune. Many whom I know are willing workers and have no \$28.00 a day, they think they are no to \$28.00 a do fortune. These antherone the fail to obtain \$121 25 ents for washing of hear a fairly good balance heft. Then they can attend the Music Hall or show. These antheronets cem to be the great attraction for this class of men and no wonder. Le the great attraction for this class of men and no wonder.



Farmers, pay your sons. Treat them as you treat the hired man in the matter of wages. Do not be mean. They are your flesh and blood. Give matter of vages. To not condition they are your fiesh and book offsy them some encouragement of the star right offset them the first year a differ a week after leaving school. If they are offset is the set of a couple of years they are as valuable as a hired man, pay them accordingly. Then they will not want the city life. They can pay a visit to the city be-cause they have the means. They will be glad to return home and secure their 205, 530 or \$35 and all found except their clothes. This is the se-cret of keeping your asons on the farm. Don't be a alave or nigger driver. Make some sfor them up to cight, and

the week for work to be done. Don't make chores for them up to eight and nine at night and then expect them

When washing cut glass and a little ammonia to the suds. This gives a brightness to the glass that nothing else can. To set green, blue, lavender and pink colors in wash goods soak in alum water before washing, twe ounces to a tub of water.

A kitchen golden rule is to clean as you go, and so save unnecessary lator and fatigue.

To get an obstinate glass stopper out of a receptacle, tap it around with another glass stopper.

A simple remedy for moths is to place whole cloves among the clothes or pieces of cotton wool or lint sat-urated with oil of cloves.

Never leave a metal spoon in a saucepan if you wish the contents to boil quickly, for the spoon is the

OTTAWA, ONT.

**OLD COUNTRY** 



Everybody Works, even Father.- A Fall Scene on Glenook Farm

cool

When the camera is around who would not get interested? The photo for this illustration was taken on Mr. J. S. Anning's farm in Grey Co., Ont.

to be out in the morning at five. This means of carrying off a great deal d also applies to other members of your heat. family, who wish they had never seen Always keep on hand a sheet ef a farm.

a farm. The farmer of to-day — his only ob-lice is to save, grind and save and then retire, and a most makes when he goes to Hare, not have a save and place. The same and the same and the place to the roots all live movements has lot, grumbles at prices and for-gets how made his miscrable for-tune such as it is. He boasts of how he worked himself and forgets the bright young woman he pulled down and the miscrable former his daughter had to secure a yard of ribbon and franely the larve he made of his son. In orclusion learn to live, stay on the farm and be fair. The farmer of to-day,-his only obfarm and be fair.

Note.-Mr. Dickinson's remarks hit home in too many cases but most decidedly they do not apply in gen-eral. What have our readers to say about the points raised in this ar-ticle?-Editor.

...

Awakening the Farm Women - I am convinced that the reason why the women of the town have made more advancement than their sisters the women of the town have made more advancement than their sisters in the country is because they have had better social advantages and have triken a hand in the matter and banded together for mutual better-ment. It has been a matter of en-wironment, and not natural abity How often, as I have be the gather-iser of the set of the set of the meeting of mers, and noticed timid meeting of mers, and noticed timid solo and all these important matters regarding farm improvements, have to bought that little did we realize the latent powers that lay within the breast of these women; powers only needing the awakening touch plang that walk thouses the part of the set of the pring into existence thoughing the conditions in the communities. Beconditions in rural communities. be-ginning with the women themselves.— Mrs. John T. Burns.

## October 19, 191 Water Supply in

The survey made on Lands of the Co-servation in Canad-farms in the variou Dominion-an avera than 100 farms for e covered the fact the per cent. of the far





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#### Water Supply in Farm Homes

The survey made by the Committee on Lands of the Commission on Con-servation in Canada in 1909 of 985 farms in the various provinces of the Dominion—an average of rather more than 100 farms for each province—dis-covered the fact that only alout 10

water in the kitchens, most houses dewater in the kitchens, most locate to pending on wells at some distance. One of the means of conserving time, strength and pride in their houses, of the women in rural homes, would be the provision of an adequate supply of pure water on tap in the house. In most cases, including the cost of a windmill where that is the er cent. of the farmers have running best power, the cost need not exceed

#### FARM AND DAIRY

\$125, including power, tank and pip- seaseseeseeseeseeseese

ing. The drinking of impure water has the effect of depressing the vitality of the whole family, making them more liable to disease and resulting There are ovil in loss of efficiency. These are evils in addition to the occasional cases of fever, which come from drinking well water into which the seepage from house or stables has found its way.

#### **Real Education for Girls**

Every girl should be so educated that if called to fill the position of that if called to fill the position of wife and mother, she may preside as a queen in her own domain. She should be fully competent to guide and in-struct her children and to direct her household affairs. It is her duty to understand the mechanism of the human hody and the principles of hygiene, the matters of diet and dress, isher thing that initiately concern the welfare of her household. Many women accounted well edu-

the welfare of her household. Many women accounted well edu-cated, having graduated with honors at some insistution of learning, are ahamefulle ignorant of the practical duties of life. They are destitute of the qualifications mecessary for the proper regulation of the family, and hence essential to its happiness and well-being. They may talk of woman's rights and her elevated aphrec; yet they the envert fail far bolive the true sphere of woman.

PUDDING-APPLE AND LEMON

The Sewing Room Patterns 10 cents each. Order by number and size. If for children, give age; for adults, give bust mea-sure for walsts, and waist measure for skirts. Address all orders to the Pattern Department. GIRL'S COAT, 7180. The double breast-

The double breast ed coat always is a becoming one to lit-tle girls and it is in the height of style this season. This one this season. This one includes patch pock-ets that are both smart and conven-ient. It can be made with a fancy collar and cuffs or with a higher neck, narrow collar and without cuffs cuffs.

cuffs. For the 10 year size will be required 4 yards of material 27. 21-2 yards 44, 2 yards 52 inches wide with 5-8 yard of vel-vet for collar and vet

This pattern is cut in sizes for girls

8, 10 and 12 years of age SIX GORED SKIRT, 7166.

The skirt with pan-els at front and back is an estab-lished favorite. This one can be treated in several ways. It can be made as il-lustrated with the double panels and stitched, or the pan els can be cut straight and edged

This pattern is cut in sizes 24, 26, 28 and 30 inch waist measure.

GIRL'S DRESS, 7168

The little girl's dress that is made with a fancy collar

with a fancy collar is always a becoming one. This model can be treated in two or three distinctly dif-ferent ways. It can be made as shown in the large view, with the collar arranged over the blonse por-tion or it can be ent tion, or it can be cut out as shown in the small view. For the 10 year size

For the 10 year size will be required 41-2 yards of material 27, 4 yards 36, 25-8 yards 44 inches wide with 7-8 yard of silk and 6 yards of braid to trim as illustrated. This pattern is cut in sizes for girls of

8, 10 and 12 years of age PEASANT BLOUSE, 7177.

The blouse that is made in peasant style and closed at the left of the front is one of the latest and smartest. This one is embroidered in Bulgarian style with wool threads in oriental colors, but the trimming can be the trimming can be any preferred one. For the medium size the blouse will require 3 yards of material 27, 21:4 yards 35, 11:4 yards 44 inches wide with 11:4 yards 18 inches wide for chemisette and under-sleevee, 3 yards of banding to ket wiew. back view

This pattern is cut in sizes 34, 36, 38 and 40 inch bust measure.

## Be Fair. Buy a sack or barrel before judging **PURITY FLOUR**

OME people have attempted to judge PUR-ITY FLOUR before knowing the facts about it-before using it. So we ask you to be fair and to buy a sack or barrel of PURITY FLOUR and give it a thorough try-out before

attempting to arrive at a judgment.

Look at the beauty and loftiness of the goldencrusted, snowy-crumbed loaves, fit for a king. Count them and see how many more of them PUR-

ITY yields to the barrel than ordinary flour does.

Taste the creamy, flaky pie crust, and the deliciously light cakes PURITY FLOUR rewards

you with. My! How they make yourmouth water!

Such high-class results can only be obtained when using a flour consisting exclusively of the high-grade portions of the best Western hard wheat berries.

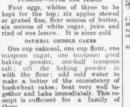
And remember, that, on account of its extra strength and extra quality, PURITY FLOUR

requires more water when making bread and more shortening when making pastry, than you are accustomed to use with ordinary flour.









#### ORANGE CAKE

three

ORNOR CARE Two cups of flour, two cups of sug-ar, one-half cup of water, two tea-spoons of good baking pow-der, yolks of five eggs, whites of three; bake like jelly oak. Drees-ing: Whites of two eggs, grate the rind of two oranges, add the juice, augar to thicken; put this heat the calculate at back in the over for a minute.

CHOCOLATE PUFFS

Ingredients-One-half a lb. of dou-ble refined sugar, 1 oz. of chocolate, white of an egg. Beat and sift the sugar, scrape into it very finely the cholocate and mix well together. Beat conscate and mix went together. Beat the white of an exg to a stiff froth and strew in the chocolate and sugar beat till as stiff as paste. Then sugar the paper, drop them in very small quantities and make in a slow oven.

POTATO CAKE Crush cold boiled potatoes with butter and salt; mix in a small propor-tion of flour and a little yeast (the tion of four and a little yeask (the last may be onitted at pleasure), and with milk work the whole to the con-sistency of very firm dough; roll it out to the thickness of an inch and a half or two inches; cut is out the size of your frying pan, previously greased, and in is hay your caked with fouring it also and abifs it a. little from time to time to prevent burn-ing; when half done turn it, and cov-er with a plate again. with a plate again.







(19) 1019

October 19, 1911

# The Buying Price of Hogs

It is probable that the practice of sending out weekly the prices which packers will pay for hogs the following week, has been the chief cause for the widespread impression that the price named is fixed through arrangement and understanding be-tween the packers. In view of the recent attacks made upon packers, a statement which will explain why a price is sent out, and the conditions associated with it, may serve a useful purpose.

For the most part the cattle and small stock (sheep, lambs and calves) which come to the cattle markets in Toronto are bargained for on arrival. If the market is favorable, the drovers make a profit. If the market is unfavorable, they suffer a loss. The price of cattle and small stock, therefore, is determined each market day by the ordinary competitive conditions prevailing upon public markets. The price which the drover pays in the country the next week is determined by his view of what he hopes to receive when the stock is offered for sale by him upon either of the markets in this city or in Montreal.

The hog situation is entirely different. After the manner of well organized market conditions, there has been no public market in Ontario upon which hogs have been offered for sale. For thirty years 80 to 90 per cent. of the hogs on the Toronto Cattle Market have been delivered on the market for one buyer, and at a price agreed upon before the hogs were shipped. Five-sixths of the packing houses in Ontario have not only not bough thogs upon the Toronto Cattle Market, but they have not bought hogs upon any public market, because there have been no markets upon which hogs have been differed for sale. The Union Stock Yards Company at Toronto Junction are now endeavoing to establish a competitive open market upon which hogs will be offered for sale. Time only will determine the success or failure of this effort.

As, therefore, there has been no open market for hogs, the price which the packer pays for his hogs has had to be deter-anded by a different method, and under different circumstances than the open market conditions have established for cattle and small stock.

The pressure of these circumstances has developed the practice which causes each packing establishment to depend chiefly for its supply of hogs weekly upon drovers who ship regularly to it. To establish this regularity, the respective houses have found it necessary, at the end of each week, to advise drovers the price they would pay for hogs shipped to them the following week. This custom is followed in Denmark and Ireland, the weekly price, however, being sent to farmers in place of drovers.

In accordance with these conditions, the officers of this Company determine on Friday afternoon of each week the price they will make to drovers for shipment the following week. This advice covers a price free on cars at the shipping point, or de-determination we are governed by our reading of the domestic and export markets, by cable advices covering Danish and Irish elitings, and cable advices telling of the quantity of American products which have been landed at the various ports in Great Fritain. We also have to interpret from these conditions, which are common to the trade, how the judgment of our competi-tors will be affected by them, and what conclusions they will likely reach as to the buying price they will name for the follow-ing week. ing week.

Having decided the price we will name, we communicate it to drovers by telephone or telegram, to points East as far as Montreal, West as far as Chatham, and North as far as hogs are raised in sufficient quantities to give weekly deliveries.

In all the foregoing we have neither conference, understanding nor arrangement, directly or indirectly, with any other packer, nor have we had any such connection at any time during the past twenty years.

If other packers offer a higher price, we learn of it through telegraph or telephone communications from drovers in vari-ous parts of the country, who advise they are unable to buy at the price we have named, because drovers from competitive houses are prying a higher price. Each packer in the trade doubtless has similar advices when the circumstances warrant it.

When such advices reach us, we determine our conduct by a variety of considerations, and we will, as will other packers similarly placed, refuse to follow the lead set by others, or accept such lead as inevitable, as we may have a favorable or un-favorable view of the market.

The effect of the decision either way is reflected in the volume of deliveries. If we or others similarly placed refuse to ad-e, while other packers are active, there will be a shrinkage of from 10 to 50 per cent. from the normal receipts of hogs. If we follow the advance, we will secure our normal quantity, with possibly some surplus added

It is alleged that the trade generally await information as to the buying price named by this Company before sending out their own advices. On reflection, it will be recognized that this is not an unnatural course to follow. By reason of the ex-tent of our operations, the price named by this Company is known in every part of the Province, and authoritatively establishes the minimum price which can be price. For necessitous reasons no other house can buy at a lower price. Inasmuch, however, the minimum price which can be price. For necessitous reasons no other house can buy at a lower price. Inasmuch, however, the minimum price which can be price is known, a higher price should not be named by some or all of our competitors, if their is no reason why after our price is known, a higher price should not be named by some or all of our competitors, if their reading of the market differs from ours. As a matter of fact this is precisely what occurs, and probably there are as many weeks in the year when our price is exceeded and we must follow others, as when our price is accepted and others follow us.

We would welcome conditions which would establish the purchase of hogs upon public markets on an openly competitive basis. If packers would buy hogs after the same manner as cattle are now bought, they would always have the measure of their competitors, whereas under existing conditions we have to guess at their measurement. Moreover, when we desired to take hogs freely, we could do so, and when we desired to step aside from the market, we could do so. Under existing condi-tions, no packer can afford to break with his regular shippers, and frequently has to take stock when he would prefer to leave there.

The tendency under the present method is for preckers weekly to estimate how high a price they dare pay, rather than how low a price they will name, for it must be borne in mind that the aggregate capacity of the houses greatly exceeds the supply of hogs, and that practically the profit loss of the operations of a packing house are determined by the volume of business secured. Therefore when we are support of determine each Friday evening the buying price we will name for the following week, back of all else is the preserve which demands quantity of hogs, and the anxiety felt that if we do not name a price high enough to command quantity, we may find our supplies cut off.

The popular view of commercial sagacity would suggest that the remedy for such difficulties would be found in an under-standing being reached by agreement between the packers. The significant fact is that the packers have refused to do so. Probably no business in Canada is more completely free from either the letter or the spirit of what is known as a Trust, than this nucleasured packing business. The real relation of the packers to the hog industry has been an honorable one of high this nucleasured packing business.

# THE WILLIAM DAVIES COMPANY, LIMITED

October 19, 1

#### \*\*\*\*\*\*\*\*\*\*\* MARK \*\*\*\*\*\*\*\*\*\*\*

Toronto, Monday, roronto, Monday, weather recently hi and the volume of b This is merely a ever, and a dopress not expected.

not expected. Threshing conditio improved, and the in fairly good cond anticipated that the Coarse grains and States are below a States are below a the Government cro per cent. short of of 6.3 per cent. less; and hay, 16.

and hay, 15. The most notable duce market this pa upward progress i Eggs and butter as live stock is on a f WE

Hard wheat is dow week's quotations. B in the west interfe were greatly exagg fit of some who we The weathe prices. break in prices is Millers are buying fashion. The visibl fashion. fashion. The visibl America has increas from 5,360,000 bush. compared with 46,322 this does not look this does not look the near future. Or 1 Northern is quo 81.031-2; No. 3, \$1.0 tario wheat are smu fered at outside po COARS

COARS. Barley has chang expected that deale to advance their qu a share of the tras are taking a hand and have now put port basis, althoug the Buffalo price b \$1.15 to \$1.25. Feed to be economical. are down and Onta are no other chang are down and Onta are no other chang are as follows: 1 matting; feed, 70c western No. 2, 45a tario No. 2, 45a to track here; rye, peas, 87c to 88c; an On the Farmers' 3 to 51c; buckwheat, 50c and harley 60 to Sic; buckwheat, 80e; and barley, 80 Oats and barley real. Canadian W at 48c for No. 2; 4 cal white, 461-2c; 1 corn, 7:1-2c to 77 mating barley, 9; 46c; and buckwhes

MILL Mil' stuffs are i Toonto are: Man \$25; Outario bran, trail pr ces are shorta \$25; Ontari shorta \$27. HAY A The market for

with wholesale from last week. N track here; infer track s6 to \$6.50. tail for \$18 to \$23; and straw, bundl on all grades of firm. American b ing and Liverpoo ing. No. 1 hay is \$12.50 to \$13.50; No.

An. average of hides at country lows: Cured, 11 1and pelts, 50c to 14c; horse hides, Quotation are as follows: 111-2c; No. 3, 101-4

111-2a; No. 3, 1034 EGGS A The market for to four cents, an-get at that. Stric at 25c to 28c in c 25c to 24c. The r At Montreal the ceipts falling off 2012 to 21c at o stock, 25c. Quotations here

(20)

1020

#### MARKET REVIEW AND FORECAST

for twins.

Toronto, Monday, October 15.-Warm evaluer recountly has not helped trade, and the volume of business has failen of. Toronto and the second second second second in the second second second second second in fairly good conditions in the west have comes grains and hay in the United has the second second second second second production for the past five years oats, and per cont. helps they have years oats, of yer cont. helps they have years oats, of years they have helps they have years oats, of years they have the years oats, oats, of years they have the years of the promost notable feature of the pro-

dae market this past week is the steady upward progres in barley quotations. Eggs and butter are both stronger and live stock is on a firmer basis than last

#### WHFAT

Hard wheat is down one cent from last week's quotations. Reports of wet weather in the west interfering with threshing were greatly exaggerated for the benein the west interfering with threaking were greatly examprated for the bene-it of some who were looking for higher threak in prices is looked for later on. Millers are buying to hand to mouth fahlor. The visible supply of wheat in America has increased in the lat weak compared with (\$4,55,500 bush, a year ago; this does not look like higher prices in the near future. On the local market No. 2, \$15,12, No. 2

#### COARSE GRAINS

fred at outside points in car lots. **CARSI GRANS** Barley has changed hands at 90c. It is expected that leaders generally will have to advance their quotations to 90c to get a share of the trade. Our even malitaters are inshing a hand in the barleyer an ex-port hasi, although we have not reached the Buffalo price by any means, which is \$15 to \$13.5 Feeding Large is stoo high to be economical. Canadian Western cats are down and Ontario eats are up. There are any fait of the store of the store are down and Ontario eats are up. There are any fait of the store of the store are down and Ontario eats are up. There are any fait of the store of the store are down and the store of the store the store of the store of the store the store of the store of the store the store of the store of the store are and barley are stronger at Mont-real value, disk store of the store, store, store at white, disk store of the store of the store at white, disk store of the store at store of the store of the store at store of the store of the store at the store of the store of the store at the store of the store of the store at the store of the store of the store at the store of the store of the store at the store of the store of the store at the store of the store of the store at the store of the store of the store at the store of the store of the store at the store of the store of the store at the store of the store of the store at the store of the store

Mill STUFFS Mill STUFFS Mill Stuffs are normal. Quotations at 1 onto are: Manitoba bran, \$23; shorts, \$35; Outurn, bran, \$23; shorts, \$25, shorts, short \$35; Ontario bran, \$23; short \$45; short \$35; Short \$25;

#### HAY AND STRAW

A

HAY AND STRAW The market for hay continues strong with wholesale quotations unchanged from last week. No. 1 hay, 844 o 83, oo frock here; inferior, 810 to 81; haled draw, 56 to 86, 30. No. 1 timothy seals re-tail for 818 to 825; mixed hay, 810 to 81; and straw, bundled, 815 to 516. Prices with drawes of hay at Montreal are up and Large and any at Montreal are be and Liverpoin chales are oncoursed. ing and Liverpool cables are encourag-ing. No. 1 hay is quoted at \$15; No. 2, \$12.50 to \$13.50; No. 3, \$9.50 to \$10.

#### HIDES

HIDES An average of prices being paid for hides at country points is about an fol-lows. Oursel, 11-3e; green, 10-10-1; iambs and peles, 560 to 565; calf skins, 13c to 14c; horse hides, 53; and horse hair, 36c to 35c. Quotations on the market here are as follows: No. 1, 12-162; No. 2, 11-26; No. 5, 10-36; calf skins, 12c to 15c.

#### EGGS AND POULTRY

EGGS AND POULTRY The market for eggs is up three cents to four cents, and good stock is hard to ret at that. Strictly new laid are quoted at 26 to 28c in case lots; fresh gathered, 26 to 28c. The retail price is 30 to 33c. At Montreal the market is firm, with re cepts failing off. Dealers are paying 2014 to 21c at country points; selected stock 55c. 201-2 to 2 stock, 25c.

Quotations here for dressed poultry are

as follows: Chickens, 14e to 18c; ducks, 15c to 16c; and fowl, 12c to 14c. Prices on the Farmers' Market are: Chickens, 15c to 18c; ducks, 15c to 17c; and fowl, 15c to 14c.

#### HONEY

Wholesale quotations remain unchanged. Strained clover honey is 10c to 11c in 10-b. tins, 11c to 12c in 5 to 10-b. tins; buckwheat honey, 6c to 7c in tins, 63-4c in barrels. No. 1 comb honey is \$2 to \$2.59 a dox.

#### DAIRY PRODUCE

Quotations on all grades of butter other Quotations on all grades of butter other than inferior have advanced one cent. International states of the states of the neutre. Wholesale quotations are as fol-lows: Dairy prints, 25 to 26c, encamery prints, 27c to 28c; solids, 25c to 26c, and inferior. Is to 16c. Choice dairy butter on the Farmers' Market sells at 38c. Cheese is infrant 15 for large and 15 14c

#### HORSES.

HORSES. The demand for horses is not now as active as it has been in the past few months. There is little demand from the year to look for a brick demand at east-ern points. Heavy drafters are quoted at \$225 to \$375; medium weight drafters, \$350 to \$350; agricultural horses, \$160 to \$250 for good: \$100 to \$150 for fair, gen-eral purpose horses, \$175 to \$250; addition \$250 for \$370; and serviceshy sound, \$40 to \$150. to \$100.

#### LIVE STOCK

LIVE STOCK Quotations for live stock have not changed appreciably this past week, but the market is somewhat furmer. This was to a better class of cattle. Dealers, how-ever, are still troubled with more rough eattle than they know what to do with. Farmers seem to be determined to get the of their stock and strongly in eri-dence.

of shinds with arc still strengty in eri-dence. The market did not open strongly this week. Export buyers leaf their sys on the heary deliveries at Sutchers absorbed atmost the entire offering on Tuesday and Wednesday the receipts were the lightest for some time and prices hard instead the some time and prices hard end, particularly for the soles of the order were about as follows. Export each tier defined the soles of the order were about as follows. Export each tier defined and the soles of the order were about as follows. Export each bard were about as follows. Export each choice, 85 to 85.35; medium 85 to 87.5 to \$5.55; builts 47.5 to 85 sole. Nucher eatile, choice, 83.90 to 85.30; medium 40 to 85. \$5.05; or \$5.5 cord demand for choice butcher cows at \$4.70; to \$5.50 and com-mon to medium. \$5 to \$4.70. Preders are in better demand, although the num-bar bard for milde overs is good according to weight from \$3.50 to 4.70. The domand for milde overs is good, and for milde overs is defored, bard for milde overs is good, and for milde overs is good, and you quality stock is offered.

The domined for milical cover is great. as only low quality stock is offered. Choice milices are quoted at \$60 to \$70; common to medium, \$80 to \$80, and apringers, \$85 to \$50, fibeep and lumbs of the week. Heavy even are quoted at \$5.55 to \$5.67; light even, \$1.75 to \$4; lambs, \$6.55 to \$5.67; and bucks and culks, \$2 to \$5.55; light even, \$1.75 to \$4; lambs, \$6.55 to \$5.67; and bucks and culk, \$2 to \$4.55. Calves vary from \$3.56 to \$8, have been very likeral and much of them not of the beet quality. Packers are grading severely and anything rushed to market too light or in an ill-finished con-quoted at \$5.95 fold, country points and \$5.50 to the market. Large receipts of rather poor quotify

quoted at 85.20 f.ob. country points and 85.35 on the market. Large receipts of rather poor quolity cattle have depressed the market at at Montries. On the second state which 85; and common, 84.30. Inferior to the have wold around 83.25 to 84.35. Cows are not in good demand at \$3 to 84.35. Built bring 82.75 to 83.25. The market for sheep and lambe is down 85, lambe being quoted at 85 to 85.59 and sheep at 83 to 83.45. Final bar of the second state of the second 87.55 butcher cattle, 85 to 85.75 to 87.55 to 85.75 to 87.75 built, 85.75 to 85.25; hutcher cattle, 85 to 85.75 to 87.75 to 87.55 to 85.55 to 85.75 to 85.75

MONTREAL HOG MARKET Montreal, Saturday, Oct. 14.-The mar-ket here for live hogs was decidedly weaker

this week, and prices scored another de-oline, the market closing with selected lots weighed off cars selling at §6 a cwt. Dressed hogs are weak in sympathy and sold down as low as §275 a cwt. for fresh killed abbatoir stock, a deoline of almost 756 on the week.

EXPORT BUTTER AND CHEESE

Montreal, Saturday, Oct. 14.-The mar ket for cheese this week reached the low ket for cheese this week reached the low-est point in the reaction from the high-est point of the season, and a large quantity of cheese were sold at country markets at 1514e a lb., a decline of 2c markets at 131-60 at b., a decline of 26 from the high water mark. This reac-tion has been brought about entirely by the absence of desaud from Great Brit-mined not to buy another choese until prices were brought down to a lower, asfer level. At the low prices reached this week, however, there is more inquiry, and every indication that the lowest point for the present has been reached, and his hots of the of the week were de-cidedly atronger and everything offered markets at the odd of the week were de-cidely stronger and everything offered on Friday and Saturday fetched 1312a to 155a, a few hundred boxes at Belleville fetching 145c more. The shipments have the lack of orders coming from the other side, and stoels consequently have in-creased to a alght extent. The increase, however, does not affect the general po-aliton, which remains very strong stati-tically, everything atom at the increase.

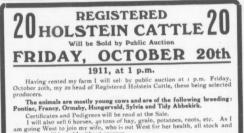
opening next spring with high prices opening next spring with nigh prices. The butter market is firm and prices are steadily maintained, 270 being the price asked for fancy Eastern Townships, with other grades ranging down to 260. Dairy butter is fairly plentiful and is quoted at 196 to 22c according to quality.

#### CHEESE MARKETS

Stirling, Oct. 10.-760 boxes boarded; 245 sold at 15c to 131-5c, balance at 13-34c. Madoo. Oct. 77.-460 cheese boarded. Sales: 300 at 135-16c, 180 at 131-4c. Woodstock, Oct. 11.-Offerings were 1.135 boxes: 80 twins sold at 14.56c and the

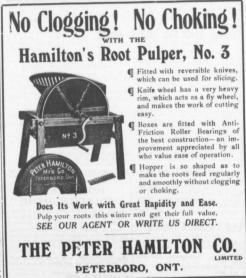
halance at 141-4c

boxes: 80 twins sold at 14.58 and the balance at 14-6c. Kingston, Oct. 12.-489 while oheses and 27 colored. Sales were manake at 13.58 or 12.-58 and 14.58 and 15.58 and 15.5



everything will be sold without reserve. Sale One Mile from Bell's Flag Station, C.P.R., between Smith's Folls and Brockville

MORT. GIFFIN, WHITEHURST, ONT.



## HOLSTEINS WOODCREST HOLSTEINS



A few choice Bull Calves for sale; six to ten months old. Some of Homestead Girl De Kol

Sarcastic Lad, and grand-sons of Pietertje 22nd. Recently tu-berculin tested by a U. S. inspector. Write for pedigrees and prices.

#### WOODCREST FARM

#### RIFTON; ULSTER CO., - - NEW YORK

GLENSPRINGS HOLSTEINS

GLENSTHINGS FOLSIEINS from officially tested dams, One, sired by Inka Stria Boets Posch, is out of Iady Rose Gene, which made with port drat and at 1 years 10 her. Jack of the official data of the source of the champion System bother of the world's champion System of the source of

HOLSTEINS

If you are wanting HOL. STEINS, any age, either sex GORDON H. MANHARD, Manhard, Out.

FAIRVIEW FARMS HERD

HAS FOR SALE

FARVIEW FARMS HERD MAS FOR SALE— The for a state of the second E. H. DOLLAR, HEUVELTON Near Prescott. Ont.

HOLSTEINS: COWS AND CALVES

#### FOR SALE

FOR SALE Also Hill/Crest Butter Boy De Kol at two and one-half yra-sired by Butter Boy Calamity; dam Paulhe Calamity Pieterijs. This bull is good enough to hearcery sofar condit of signal to the some male. E. R. TATE, LAKEFIELD, ONT.

## LAKEVIEW HOLSTEINS

with the result of the second Telephone. E. F. OSLER, BRONTE, ONT.

## Lyndale Holsteins

Offers two, young bulls born September. 1910. one of them from a tested daughter of Brightest Canary and sired by a son of a 20.34 hb. yearling daughter of Henger-veld De Kol. LYN, ONT BROWN BROS., . .

## "LES CHENAUX FARMS"

VAUDREUIL, QUE

BOLSTEINS-Winners-in the ring and at the pail. Gold Medal herd at Ottawa Pair. They combine Conformation and Production. Bull and Heifer Calves from our win-ners for sale

DR. L de L. MARWOOD, D. BODEN Prop. Man.

Napanee, Oct. 13 .- 445 white and 435 col-

FARM AND DAIRY

Napanee, Oct. 13.-448 white and 435 color ored cheese baarded; all sold at 13 5-16c. Brantford, Oct. 13.-440 cheese offered; Iroquist, Oct. 13.-440 cheese offered; Iroquist, Oct. 13.-440 choese offered; Victoriarille, Que., Oct. 13.-4100 cheese sold at 13 3-16c. Picton, Oct. 13.-4100 cheese; all sold at Picton, Oct. 13.-4100 cheese; all sold at

13 5.80

Perth, Oct. 13.-1,100 boxes cheese board d: 800 white and 300 colored; all sold at 13 3.40

Ottawa, Oct. 13.-567 cheese boarded: 204

Ottiwa, Oct. 13.-007 Oncess Obreven Jow colored: all sold at 13.5c. Belleville, Oct. 14.--1,160 Cheese offered. Sales were: 750 at 13.11.6c and 190 at 13.5c. balance refused at 13.5-cc. London, Ont., Oct. 14.--955 boxes offered; no sales. Bidding, 13.12c to 13.34c.

Canton, N.Y., Oct. 14 -1,700 tubs but-ter sold at 291-2c: 2,000 boxes of cheese at 133-4c.

Watertown, N.Y., Oct. 14.-Cheese sales 4.500 at 131-2c.

4,500 at 131-2e. Cowanarille, Que., Oct. 14.--681 pack-ages of butter and 110 boxes of cheese. 641 packages butter accession of the second butter of the second second second second the second second second second second second 8. Hyacinthe, Que., Oct. 14.-400 pack-ages butter sold at 2512.- 600 cheese boarded and 159 sold at 11178.

#### GOSSIP HORSES AT THE GUELPH WINTER FAIR



Offers a few young cows with records from 18 to 21 lbs. of butter in 7 days, bred to such noted bulls as Mercona's Bir Posch. Dam's record, 27.65 lbs. butter in 7 days. Also a few well bred young bulls. CLARENCE BOLLERT, R. R. No. 6 Tavistock, Ont.

## REG. HOLSTEIN CATTLE REG. HAMPSHIRE HOGS

Am now offering some very choice Hampshire pigs, 6 weeks old and up, from prize winning stock. Pairs furnished not akin. Buil Caives from R. O. M. Cows. Write for particulars.

E. C. GILBERT, Payne's Mills, Ontarie Near St. Thomas Phone Connections

#### HOMESTEAD HOLSTEIN HERD

Home of Helbon Dekol, Canadian oham pion cow for 7 and 30 days, viz., 31.54 lbs. lbs. butter in 7 days, 128.57 lbs. in 30 days. DB. Dutter in 7 days, 125.57 lbs. in 30 days. Herd is headed by Dutchland Colantha Bir Abbekerk, whose dam. Tidy Pauline Dekol, made 32.44 lbs. butter 7 days, and sire's dam Colanths 40.75 Johanna 5.25 lbs. in 7 days, 1.367 lbs. it 2 years have the choicest public hearty if you want top.

E. LAIDLAW & SONS,

one

of the finest classes of breeding stallions

of the finest classes of breeding stallions and marcs ever shown in Canada. The first year is was found that stall accom-ever stabiling of so many horses. Efforts which were at once put forth to secure another stable have now been crowned with success, and at the fair to be held at fusibly no Becember 11 to 15 there. Any farmer who has a good horse he wishes to advertise for everice or sale Any farmer who has a god hore he wishes to advertise for service or sale should exhibit at the fair. The classes is the service of the service of the service standard-Break, Thoroughbreds, Ponies and Heavy Draft Horses, The cach prize for horses amount to \$5,500,00 A prize list may be secured from A. P. Wester-veit, Secretary, Thronto.

DAIRY TEST AT THE EASTERN SHOW

DAIRY TEST AT THE EASTERN SHOW The prize list for dairy catile at the Eastern Ontains, January 15 to 19, 1912, pro-tions in a Shearbarn. Generatory 15, 19, 1912, pro-tions in a Shearbarn. Generatory and grades. There are three sections for each class-cow, 48 miths, and over: cow, 30 mits. The total amount of prize momey for the dairy estile is 8,400-0000 over the dairy estile is 8,400-0000 over 10, 100 mits and total and the sections of the prize momey and the sections of the section or and the following each 20 mits for each pound of fat, three points for each pound of fat, three points for each pound of fat, three points for each pound of he recent shows a pure bree At one of the recent shows a pure bree walled her at \$5500 before the test, but after winning first prize and \$520,00 her This illustrates the value to a hereder

#### Successful Selling

What makes for the success what makes for the success of an auction sale? Is it not, first of all, the stuff for sale, then someone—the auctioneer —to sell it, and—MOST IM-PORTANT — the people who come to burg. come to buy?

If no one knows about your sale—if it has not been adver-tised—it will not amount to anything; no one will come to buy.

Now, no one would think of having a sale without advertis-ing it by word of mouth, by posters, and perhaps by an ad. in the local paper.

In the local panor. But where pure bred live stock is to be sold, sales so ad-vertised are generally disap-pointing. The advertising is not carried far enough. The g001 men who appreciate good stock, who know its value and who would buy, and come to buy, have not been told about the sale, about the pure bred stock to be offered. Don't make any such mis-

take when you have your sale. Use the local mediums and 1180 also space in Farm and Dairy. It will bring you the buyers from a distance

Don't forget that Farm and Dairy has a low flat rate for live stock and auction sale advertising. Space in these col-umns will cost you only 98 cents an Inch. Write us of your requirements and take advantage of the assistance we oan render you in making your sale a success!

of competing in this dairy test. Full par of competing in this data, least fica-ticulars regarding the rules, classifica-tion and prizes will be found in the prize list which may be secured from D.T. Elderkin, Secretary, Ottawa.

Allow me to say how much I have ad-mired your splendid fight for reciprocity, as a farmer I have believed and still be-lieve that your contention that the reci-procity pack would be a unitstantial bun-fit to the Canadian farmer, John Stewart, Durham Go., Ont.

AYLMER WEST, ONT. Barry out forgotten to renew your sub

October 19, 1911

## AYRSHIRES

SUNNYSIDE AVRSHIRES 

#### **CHOICE AYRSHIRES** Are Bred at "CHERRY BANK"

A few young bull calves for sale. Write for prices

D. MCARTHUR, North Georgetown Howick Station on G. T. By 0110

#### LAKESIDE AYRSHIRES

We have a number of fine young buils of different ages, all sired by our im-ported buil and the majority of them from dams entered or qualified for the record of performance. To make room for the winter we are prepared to offer these at attractive prices.

LAKESIDE FARM, PHILIPSBURG, QUE GEO. H. MONTGOMERY, Prop. 164 St. James St., Montreal

#### Ayrshires

World's Champion berd for milk and production. Some young bulls and bull calves, all from R.O.P. cows for sale. A grandson of Primrose of Tanglewyld in the lot. Address

WOODDISSE BROS., Tanglewyld Farm ROTESAY, ONTARIO

#### AYRSHIRES FOR SALE

A transmission of the solution wyld, king strains. JAS, HUDSON & SON, LYN, ONT.

#### BURNSIDE AYRSHIRES JUST LANDED

12 Bulls fit for service, Scotch winners. 4 2 year old heifers, all bred to treshen in Sept-and Oct. They are a grand strong lot of useful heifers with good teats. Also a few good year-heifers HOWICK, QUE -R. R. NESS.

#### CITY VIEW AYRSHIRES.

.R O. P. cows and two-year-old heifers for sale; one yearling bull and a fine lot of 1911 bull calves. Prices reasonable. JAMES BEGG, R. R. No. I, St. Thomas.

THE SPRINCBANK HERD OF AYRSHIRES Contain more World's Champion milk and butter producers than any other herd in America. A few choice bull calves from record breaking dams for sale at reason-able prices. Address A. S TURNER & SON.

Ryckman's Corners, Ont. 3 miles south of Hamilton.

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Is the home of most of the coveted honors at the leading , eastern Exhibitions, including , first prize old and young herd. FOR SALE a few Choice Young Cows, also Bull Calves.

## HECTOR GORDON,

#### RAVENSDALE STOCK FARM Ayrshires, Clydesdales, Yorkshire

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A few very choice Bull Calves, 10 reshife miking dams, and sired by "Bencheskie Cheer-ful Boy" (Imp). Write now and secure first choice, Females of all ages. A Commercial Herd.

## W. F. KAY, PHILIPSBURG, OUE **Ayrshires and Yorkshires**

For Sale-High Class Ayrshires, all ages. Improved Yorkshire Pigs, all ages. ply to

ROBERT SINTON HON. W. OWENS, PROPRIETOR MANAGE Riverside Farm, Montebello, Que.

#### \*\*\*\*\*\*\*\*\*\*\*\*\* **OUR FARME** \*\*\*\*\*\*\*\*\*\*\*\*

PRINCE EDWA KINGS CO.

CARDIGAN BRIDGE, about over. The g or. Heavy showers ed the meadows, ops. The weather is

crops. The weather is had a heavy frost on most of the potato top a light crop with som Very little produce 1 the exception of early sats. Prices are as the to 40c; cats. 40c; c to 25c; lambs, \$3.50 t plentiful. Cattle will owing to scarcity of LOWER MONTAGUE hibition is over and cess. Stock was much cess. Stock was much especially in the Ay classes. Roots and v fair, owing to the dry tates, 35c bush.; tun Hay, \$12; beets, 35c a

NOVA S

ANTIGONISI ANTIGONISH, Oct. Exhibition was held The weather proved

The weather protect as it was wet and contact for the start of the sta

mais. The turner, pigs was not large, There was a splendi tatoes and vegetables ment was well filled

toes and vegetables ent was well filled all sections.-Tom

NORTHUMBERI

NORTHUMBERI WICKLOW, Oct. 3. done. Grain, espo-turned out as mu-straw as was expo-wells are nearly or has much improved Apples are a. fair show the need of a show the need of a

CASTLETON, Oct. the order of the di fair crop. Potatoes are a good crop. I the last week and ward. Wet weather ing.-H.M. CASTLETON. Oct.

KINMOUNT, Oct. tato digging are t They are not an good, some equally

have been very bad but are light. Sp good as last season

good as last season a crop; barley go snow on the 6th. sold, \$5 or \$4.50; \$450 a cwt. Ever with the result of

KINMOUNT, Oct.

on the 3rd, was large crowd. The the vegetables cou at any other sho worth seeing. So

yow that fairs on the

coadition for plow as we have had fi tember 1. The pu harvosted. Practi erops, including p been light on ac-June and July. T has suffered to a northern sections been filled with free about Sopte orn freezing thu though many a irozen corn for ti we NTWU

WENTWO

KIRKWALL, Oc

now nearly all and have been weather was favo oral very heavy r weeks. The grow

th seeing. Son in Ontario directors des allowing racin fakers on th

WELLING GUELPH, Oct. 9. ing favorably: Th condition for plow

HALIBURT

ONT

KINGS CO., P.E.I. GARDGAN BERDGE, Oct. 3. - "Threshing is about over. The grain crop is very port. Heary schwers of rain have fresh-and the meadown, pastures and root roop. The wather is cold and wet. We had a heary frost on Sept. 14. It killed said of the points toxes. Forlaces will be a light crop with some. Prices are good. Very little produce is moving yets with the ecception of early points. The point data for the point of the source of the point of the will be cheap this fail source of the source of

eving to scarcity of feed.-H.P. LOWER MONTAGUE, Oct. 9.-Our ex-hibition to ever and was a complete suc-ence. But the second of last year, appendix loss and regradaded fast year, appendix loss and regradates were only life. 356 but it utrips. Sci: oats. 46: last, 812; beets, 35c a bush.; carrots, 35c.

#### NOVA SCOTIA

ATTIGONISH CO. ONT. ATTIGONISH, Oct. 9. - The Antigonish Fullihiton was held on October 2 and 3. The weather proved rather unfavorable of it was wet and cold. The attendance the fully good. A they of superior ani-mains. The turnout of catle, sheep and sites was not large, but of good quality. There was a colendid show of fruit, po-tates and weather the rood exhibit in all sections.-Tom Brown. ANTIGONISH CO., ONT.

#### ONTARIO

#### NORTHUMBERLAND CO., ONT.

CARTLETON, Oct. 5-Apple picking is the order of the day. They are only a fair crop. Postness that were put in inte are a good crop. Hoge have gone dawn, the last week and are still coine down-ward. Wet weather has helped fall plow-ing-H.M. ing .- H.M.

#### HALIBURTON CO., ONT.

HAIRBURTON CO., 0877. KIMMOINT, Oct. , ~\_Threahing and po-tato digging are the order of the day. Ther are not an even crox, some very cod, some equally as poor. The bugs hab beoing? Barlow sheat is not as pool as last season. Peas are only haff a croy, harley good. We had a havy mow on the 6th. Cattle are about all add, 85 or 84.50; sheep. 84.50; lamba, 640; how the sheat of the alcettoms-JA.8.7. UNIVOITYE One 4 \_\_MIRAM Pair. bald KINMOUNT, Oct. 9.-Minam Fair, held on the 3rd, was well patronized by a large crowd. The exhibits were excellent;

large crowd. The exhibits were excellent: the regetables could not be well beaken at any other show; cattle were well worth seeling. Some of the fined draft hold income and the second second second hold income and the second second second and the second second s

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The section of the grounds. It goes is the section of the grounds is the construction of the ground is a success of the section of the ground is a success of the section of the ground is a success of the section of the ground is a success of the section of the ground is a success of the section of the ground is a success of the section of the ground is a success of the section of the ground is a success of the section of the

PRINCE EDWARD ISLAND. RUNG SC. P.E.I. CURDICAR BETLORG, O.C. - Threshing about over. The grain crop is wore for the dot so their mangles and potaces before long. The source of the

#### NORFOLK CO., ONT.

NORFOLK CO., ONT. ERIE VIEW, Oct. 6.-The frequent heavy rains are a great drawback to farming. Grain crops are threshold and stored. Corn is fairly goold. Farmers are filling silos. Early apples are picked and shipped. Pasture fields and meadows are idee and green and offered excellent, fu-dies and green and offered excellent, fu-diary come. During cores are giving a very fair flow of milk. Potates are earce at §1 a bush. hogs, §5,75-B.B.

GREY CO., ONT. GREY CO., ONT. MAPLE LARS Oct. 10.-We have had a good season. Grops are generally pretty good allowing some sock over the av-erage. Only about one in 10 have tur-nips, corn was good and those fortunate enough to have silos will not mise the roots mich. Stock is in good condition. Conderable plowing is two even having there we sit wasthering into two which has de-Considerable plowing is done, attnoug-there is a lot to do yet. We are havin-very wet weather just now, which has de layed potato digging, which is a goo-erop and no reports of disease as yet-J. R. P.

#### MANITOBA. MARQUETTE DIST., MAN.

MARQUETTE DIST. MAN. KELLOS, Oct. 4.-Since our last report is has rained almost steadily. It is also very cold and windy. Yery III is almost ing has been dones around the steam tractors, it is on cost. The only yields we have heard of yet are: Barley, 40 bus, to the acre: wheat, 30 hus; and oaks, 100 hus. The polato crob thy: and oaks, 100 hus. The polato crob thy: are.-LJN.

**HOLSTEIN-FRIESIAN NEWS** 

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Farm and Dairy is the official organ of The Canadian Holstein Friedan Association, all of whose members are readers of the paper. Members of the Association are cluster breaders for publication in this column. C of

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P for publication is the second of the se

Clemons, Secretary.

butter; 2021.9 lbs. milk. Owned by J. M. Yan Patter, Aylmer, Ont. Dirkley Fel Burke (6966), at 5y. 2m. 194, of age; 15.99 lbs. fat, equivalent to 19.99 lbs. butter; 644 lbs. milk. Owned by Tilly Pauline (700), at 5y. Im. 144, of age; 15.56 lbs. fat, equivalent to 19.75 lbs. butter; 64.59 lbs. milk. Owned by W. C. Bterem, Philipsville, Ont. Manor Corray, 55.61 lbs. fat, equivalent to 15.77 lbs. butter; 44.64 lbs. milk. Owned by W. O. Bterem, Philipsville, Ont.

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to 8.77 108. Oniver: we'se friinwink one
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butter; 622.65 lbs. milk. Thirt-day record, at 47. 3m. 6d. of age; 82,169 lbs. fat. equivalent to 110.86 lbs. butter; 8,64.53 lbs. milk. Owned by J. M. Van Patter, Ayimer, Ont. Lacy DeKol Peach (8250, at 49. 1m. 6d. of age; 15.74 lbs. fat, equivalent to 19.67 lbs. butter; 85.59 lbs. mil. 2015

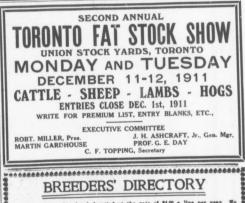
Ibs. butter; 55.95 ibs. mins. Note.—The records of June were not published earlier, as the first copy of the test sent to us was lost in the mails. The omission was not discovered until some of the breaders began to inquire a sen publi-the test of their one has described a copy of the records and publish them here-with.—Bdites.



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HAMPSHIRE FIGS-Canadian Champion herd. Boar hard headers. Rows three monihs and under. - Hastings Bros. Crossbill. Out

HOLSTEINS-Toung stock, for sale, Sired by Imperial Pauline DeKol, whose is nearest dams average 25.20 lbs, butter in 7 days.-R. W. Welker, Utles, Ont.

FOR TANWORTH SWINE-write John W. C.YDESALE HORESS. SHORTHORN TO A CONTRACT STREAM OF THE ADDRESS SHORTHORN OF A CONTRACT STREAM OF THE ADDRESS SHORTHORN OF A CONTRACT STREAM OF A CONTRA

Asis, Ontario TANWORT SWINE-Choice etcok for male at all times at reasonable prices. Correspondence Invited Times. Bon. Latows. Livies of Asis and Asis and Asia and Asia CUTRESOALES-Tomes of Asis. CUTRESOALES-Tomes of Asis. Bond Bricks Weiss Post-Bar web, and Bricks Weiss Post-Bar web, and Bricks Weiss Post-Bar web, Artic Asis and Post Asis Barton, Arthur, C. T. B. A.

FARM AND DAIRY



