

VOL. XXIX.

NUMBER 43.

AND

RURALTOME

PETERBORO, ONT.

OCTOBER 27.

1910.



THE APPLE INDUSTRY OFFERS A BETTER OPPORTUNITY FOR MONEY MAKING THAN E

While various conditions that have been referred to a recent issues of Farm and Dairy have resulted in a general depression of the apple industry, there has been brought about a condition of affairs unprecedented in our history. There is now an almost unlimited market within our easy reach and demand is vastly greater than supply. True, there is a light crop in Ontario this year, and there are few orchards that will require as many men to load the apples as is seen in this illustration taken in Halton County last year, but the conditions as stated apply to average years. Farm and Dairy will have another article on the apple industry by Professor Crow, November 10th. Watch for it.

DEVOTED TO

BETTER FARMING AND GAMADIAN COUNTRY LIFE

NEVER HAD AN ACCIDENT

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

is as scarce as hen's teeth. There are several reasons why this Separator has the reputation ot being a "no break, no wear" machine.

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 separa-

Our aim is to make a Cream Separator that s 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.

D. Derbyshire & Company

Head Office and Works: BROCKVILLE, ONT. Branches: PETERBOROUGH, ONT. MONTREAL and QUEBEC, P. O.

WE WANT AGENTS IN A FEW UNREPRESENTED DISTRICTS

BT" STEEL STALLS and STANCHIONS



With Cement Floors reduce labor to a minimum, and make bright and sanitary stables. They are practically indestructible, while the out-of-date practically indestructible, while the out-of-date short lives constantly in need of regards, and are short lives of the short lin the short lives of the short lives of the short lives of the sh

or remodeling your old one. It is Free, a post card with your name and address inly written will bring it. WEITE:

Y BROS. Fergus, LITTER CARRIERS, HAY CARRIERS, ETC.

Farmers Will Go to Ottawa

On December 16 some 500 or 600 epresentatives of the organized farmers of Canada will meet the members of the Dominion Government and Parof the Dominion Government and Par-liament at Ottawa to present their views upon the tariff question, as well as upon several other questions of immediate interest to them. Dele-gates will be present from Untario, gates will be present from Ontario, Manitoba, Saskatchewan, Alberta and Quebec, and it is expected that there will be one or two representatives from the Maritime Provinces. The voice of the Canadian farmers, re is said ,be unanimously in favor of a downward revision of the Custems tariff to a revenue basis.

The Executive of the

the Manitoba The Executive of the Manteona Grain-growers' Association, according to a despatch to the "Globe" met in Winnipeg co Oct. 19 and issued a call to each of the 200 local associations in the Province to appoint one or more delegates for Otawa. Similar action will be taken in Scalatchowan and delegates for Utawa. Similar action will be taken in Saskatchewan and Alberta in the ccurse of a few days. The same subjects which were presented to Sir Wilfrid Laurier during his western tour will be taken up again at Ottawa. at Ottawa.

at Ottawa.

It is thought that the farmers will discourage the suggestion of a tariff commission but they will ask that if a commission is appointed it be given a commission is appointed it be given full power to take evidence under oath, call witnesses and demand the production of all the necessary papers and denumnant for the thorough in. production or all the necessary papers and documents for the thorough in-vestigation of every industry that asks for protection. The farmers, it is ex-pected, will declare that they ask no protection whatsoever cn their own

ndustry.
The Hudson Bay Railway as a Government road owned and operated by the public will also be urged upon the Government. The question of the chilled meat industry will also be tovernment. The question of the chilled meat industry will also be dealt with, and the Dominion Parlia-ment urged to enact legislation which will improve the position of the west-ern farmers in the markets of the

The Peat Fuel Industry

The welcome intelligence was cir-culated from Ottawa last week that the experimens the experimens of the Deminion glant, maintained by the Mines Department of the Deminion Government, have proved completely successful. An experimental plant at successful, a few miles east of Ottawa, Affred, a few miles east of Ottawa, has been manufacturing peat fuel during the past year. Five hundred during the past year, and bot do experiments made at a peat-ting plant, maintained by the during the past year. Five hundred during the past year. Five hundred tons of peat manufactured into do-mestic fuel at this Government plant has recently been placed upon the

tons on peat manuractured into domestic held at this Government plant, has recently been placed upon the manufactured into domestic held that at the whole supply differed in the place of the supply differed in the supply differed stitute a potential national asset of enormous value

sonermons value.

Some idea of the possibilities of the industry may be gained from the estimate that 28 gained from the estimate that 28 gained from the settlement of the feet deep should vield 50,000 times feet deep should vield 50,000 trinic enough to supply 100 timilies for 25 years allowing 20 tons per annum to each family, or enough to furnish a power plant of 100 H.P., using steam engines, with fuel fer mere than 25 years of 300 ten-hour days, allowing 12 lbs. of fuel per H.P. hour developed. The fuel, if used in a suitable gas producer, would last the same plant

about 100 years. Four bogs within a few miles of Ottawn, examined by Government experts, are estimated to contain over 25,000,000 tons of fuel. are estimated

The provinces of Ontario and Que-The provinces of Ontario and Que-bec send \$20,000,000 a year to the United States for coal. The develop-ment of some of our extensive peat bogs will help to keep some of this money at home and to furnish tional employment to Cavadians in

THE FLANT AT ALFRED

The Dominion Government has acquired 300 acres of the peat beg at Alfred where the peat fiel recently marketed was manufactured by a method which has proved successful in Eurepe. The capacity of the plant is 30 *50s a day, and during part of the past summer 1,000 tons of mechine peat have been produced. Allowing 140 days for a season's operations, the cost of the fuel on the field is \$1.40 a ton, under conditions existing at the government plant existing at the government plant. By the use of larger plant and using mechanical executors to replay. The Dominion Government has ac mechanical excavators to replay hand labor, this cost of production can be greatly reduced.

Machine peat is claimed to have a

caloric value in the ratio of 3,600 lbs. to a ton of anthracite coal. The machine peat if sold at \$3.25 a ton would therefore be the economic equivalent of anthracite coal at \$5.85

A Packing House Merger

Editor, Farm and Dairy,—I notice in the Press where the packers are endeavoring to merge their different endeavoring to merge their different plants into one, as it is said, to get clear of the keen competition. I am sure that no bacon produce will com-plain at the packers doing anything legitimate to reduce the expense of manufacture and so forth, but let me sound a note of warning to them if their cbject is to pull the price to the producer awar down. producer away down.

Through the excellent work done by

the Farmers' Institute system the Agricultural press and Agricultural soricultural press and Agricultural secieties, farmers are just waking up to the fact that it is wise to count the cost,—and this applies as much if net more in hog producing than it does in any other line of live stock. A few sheep may be kept year after year with the one purpose in view of cleaning the weeds from around the farm. In the work of the control of the nothing for his labor feeding hegs and cleaning after them (both of which are hard work) it will be but a short time until he is out of the business.

until he is out of the business. If the packers are willing to let supply and demand rule the price I think I am safe in saying they will get a reasonable supply of hogs at a reasonable price, but just as seon examined in the same properties of that there is nothing in it for heat the same are petition of the just two sensons and will have to pay more that the article is worth or go out of sons and will have to pay more than the article is worth or go out of business.—R. H. Harding, Middlesex Co., Ont.

Items of Interest

At the recent meeting of the Ex-ceutive of the Canadian National Dairy Show, it was unanimously de-cided to have the First Annual Dairy Show during the week of October 2-7, at the Montreal Arena, 1911.

A deputation from Richmond Hill York Co., recently waited on the Min ister of Agriculture for Ontario, re-questing that a District Representa-tive of the Department of Agricultur-be located at Richmond Hill. A similar application had already been re-ceived from Newmarket.

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

Iss Each

Vol. XX

A Scientif the 0 HE the

ple not think be put de particular cumstance and have how we sh set of conthat must the questi others are seeding ar

A heavy quickly ar in narrow furrows of taking awa not only th the water soil for se en each sie row and to pending o between th tile drain deep in cl apart, will soil to a least two way betwee in 48 hours According

furrows n deep and apart woul clay soil to six and t inches at th the ridge water wer from the inches in th depth of nir for in the c spring-time altogether f half full, w centre of th depth of ab

for the drain of rain and close to the ought to dr that in heav wider than and so far at

hours. Since 48 h

It is desirable to mention the name of this publication when writing to advertisers

Only \$1.00

Vol. XXIX.

Each Week

FOR WEEK ENDING OCTOBER 27, 1910.

No. 43

SHALL WE PLOW NARROW OR WIDE RIDGES;?

R. R. Graham, B.A., O.A.C., Guelph

A Scientific Article by One Who Has Been a Farmer and Now is Demonstrator in Physicial Science at the O. A. College, Guelph.—Everything in Favor of Underdrained Land Plowed in Wide Ridges.

THE question has been raised as to what is the best width to make the ridges when plowing or rolling heavy clay land. I do not think that any very hard and fast rule can be put down for the guidance of farmers in this particular, as soils, seasons, crops and other circumstances vary so much throughout our country and have such a large influence in determining how we shall till to get the best results under any set of conditions. There are, however, a few facts that must be considered in an attempt to answer the question and chief among them is drainage; others are the yield, time and lator in plowing, seeding and harvesting periods.

DRAINAGE

A heavy clay soil, in fact any soil, is much more quickly and thoroughly drained by being plowed in narrow than in wide ridges, for there are more furrows or ditches for

taking away the water, not only the run-off but the water within the soil for some distance en each side of the furrow and to a depth depending on the space between the furrows. A tile drain three feet deep in clay soil, the drains being 40 feet apart, will drain the soil to a depth of at least two feet at half way between the drains in 48 hours.

According to this, furrows nine inches deep and 121/2 feet apart would drain a clay soil to a depth of six and three-quarter inches at the centre of the ridge if all the water were removed

from the ridge for a depth of six to nine inches in the very bottem of the furrow or at a depth of nine inches. But this is very improbable for in the case of a very heavy rain and in the spring-time freshets the furrows may run half or altogether full. Assuming that they do run onehalf full, which is a very fair estimation, the centre of the ridge would be drained only to the depth of about three and one-half inches in 48 hours.

Since 48 hours is the limit of the time allowed for the drainage of a soil after any ordinary fall of rain and since three and one-half inches is very close to the minimum depth to which a clay soil ought to drain within this time, it would seem that in heavy clay land the ridges should not be wider than 121/2 feet for good surface drainage and so far as the drainage is concerned the farmer is on the safe side when he plows nine or 11 feet ridges.

But even with the narrowest ridges his soil is not thoroughly drained after all. He would get far better results, larger prefits and have far more satisfaction if he would put in underdrains and then plow his land in wider ridges, probably 161/2 feet or even 22 feet or more. The tendency at the present day among farmers in most parts of Ontario is to plew wider ridges than some of them, at least, were accustomed to plow a number of years ago. As underdrainage Lecomes more and more understood in this prevince the practice of narrow-ridged plowing will become less and

THE YIELD PER ACRE

A piece of land which is plowed in narrow ridges will not produce as much hay or grain per acre as plowed in ridges of various widths. The yield per acre is taken as 50 bushels for a basis of com-

partson.			
Width of Ridge Feet	Farrows	Loss in Area per Acre	Loss in yield per Acre
29	24	114	5.7
11	19	091	4.5
12	18,	086	4.9
161/4	13	062	9.1
78	10		0.1
Acc	12	057	2.8
22	10		9.8
30	7	033	1.6
40	0	099	1.0

This table is interesting because it shows that the loss in yield per acre is inversely as the width of the ridges, that is if the width of the ridges is doubled the loss in yield is reduced onehalf and vice versa. If a farmer plowed his land in ridges 18 feet wide instead of nine feet wide and sowed it to wheat he would make practically \$3.00 more per acre if the wheat sold for \$1,00 a bushel and for other grains in proportion to their selling price. This amounts to three per cent. on his investment, valuing

land at \$100 an acre, as much as most farmers are drawing for their money in the savings department of their bank. If he used 40 feet ridges he would make about four and ene-half per cent. and so cn. This seems to me to be a strong point

in favor of wide ridges. TIME AND LABOR

These are two important factors that cannot be overlocked in relation to any farm operation and in this particular I consider they play a very important part, not only in relation to the actual plowing in the fall but also to the seed time and harvest. It requires more time and

consequently more labor to plow land in narrow than in wide ridges because there is more staking, mere of the slower and painstaking part of plowing, namely, marking out the ridges and finishing the furrows. I dare say we would be astonished if we knew how much more time it would require than if the ridges were made wide.

Then, furthermore, if the plowman is not a very skilled man he will be almost certain to leave the centre of the ridges higher than the edges and the narrower the ridges the greater this tendency. This will spoil the appearance of the plowed land and bring endless troubles later on. If the land becomes established in high ridges the labor of digging cross drains in the fall and shovelling them out after the seed has been shown in the spring is greater than if the land were flat on account of having to go deeper through the



A Fair String of Ontario's Best Blood

The illustration shows Mr. G. A. Brethen and daughter, and five bull calves raised by Mr. Brethen on his farm in Peterboro Co., Ont. Mr. Brethen's farm last year was awarded the first prize in the Special Good Farms Competition for the County, conducted by Farm and Dairy; he also won fourth prize for District No. 2 in the general Dairy Farms Competition. The eattle on this farm were awarded a high score. See Gossip Notes (Holstein News) in this issue. Photo by an Editor of Farm and Dairy.

> it would if the ridges were wide, other things being equal, because the furrows take up considerable area in themselves and besides the crop is seldom, if ever, as good just near the furrows as towards the centre of the ridge because the furrows are usually the wettest portions of the surface and consequently the crops are frequently injured by too much moisture here. Assuming that the plants are not so thrifty near the furrows as on the centre of the ridges, and because they are on a lower level, they would naturally be injured by slight frests during the period of a riv growth. I think that I am putting it within a safe limit when I say that there is a strip of land one foot wide wasted at the furrows on the average. For one square acre of land the following table gives the number of furrows,, the loss of 'and and the loss in yield per acre for land

ridges. Time and labor is also saved in seeding and harvesting on land plowed in wide ridges, as the operator can drive the machines faster, with less horse power, less strain on himself and the machinery and in every way with far more satisfaction and profit than if he worked on land plowed in narrow high ridges.

IN FAVOR OF WIDE RIDGES

In view of these facts that I have tried to make clear and others that might be considered, the advantages, chiefly better drainage, to be gained by narrow ridged plowing are more than offset by its disadvantages as a rule. Farmers generally have come to realize this fact, yet there may be much to say in favor of the narrow ridge in some conditions. Every farmers knows his own conditions best and it is for him to study these problems and adopt whatever practice he finds to be the best for him.

Note.-Farm and Dairy welcomes discussion on the points raised in this article. What is your experience in the matter of wide and narrow ridges? -Editor.

A Prize Winning Farmer Talks

"Our system of rotation," said Mr. J. W. Richardson, of Caledonia, whose farm won second place in the Provincial Dairy Farms Competition this year, when speaking to an editor of Farm and Dairy, who visited his place, "is to take off two crops and then seed down. Corn follows sod, barley or peas. Manure is applied as a top dressing. The bulk of the manure is kept under cover and drawn out in the winter. We leave our alfalfa down generally for six years, although some of it has been down for ten years. We find that June grass and alfalfa make a great feed for dairy cattle. It stands pasturing.

HOGS AS A BY-PRODUCT

"We find it profitable to keep enough hogs to consume the feed that would otherwise be wasted. About 100 hogs are turned off each year. They are fed pasteurized whey, which we believe is nearly as valuable as skim milk. During the winter they are fed considerable quantities of roots. We aim to have our litters come during February and March. That enables us to market one of the main litters about August when the price is high. The young pigs are fed whey, skimmed milk, roots and a little shorts. We exercise care when feeding, as growing pigs will not consume many roots, when heavily fed on shorts or mixed grain.

As soon as clover is good in the spring, we turn growing pigs out and let them run. When pasture gets short they are fed a mixed chop of oats and barley, and some shorts. This mixture is fed also to finish them.

We prefer Yorkshires and aim not to keep more than we will have plenty of feed for. We aim to carry less hogs during the winter than summer, as we can grow the hogs on good clover pasture cheaper than any other season of the year. Under these conditions we have proved that we can produce pork for four cents a pound when the value of the grain and mill feed only are taken into consideration. We do not charge for the by-products as we would have no other use for them. Many farmers keep too many hogs and lose money on them in consequence. A man cannot keep 40 or 50 pigs profitably if he has only 10 cows. When grain is high, it is a mistake to keep more hogs than just enough to consume the by-products of the dairy, along with a reasonable amount of grain.

THE LABOR QUESTION

"In our section the farm labor problem continues to be a very serious one. It is driving farmers out of the business. The Provincial Governments in the west and the railway companies continue to put forth every effort to draw our men to the West. We feel that our Ontario Provincial Government should do more to advertise our province, as there are many men who go out

west who could do as well here if they only realized the opportunities that this province offers.

Quality and other Points about a Horse

The first point to be considered when we talk of quality in horses is that cf general appearance. In noting this characteristic, the student studies the size and weight of the horses before him, noting the symmetry of body, to see that the forehand is not too long or too short, and the student makes a study of the style and "air" exhibited by the horse, together with his disposition and char-



Horses of Some Considerable Value

The illustration shows the prize winning heav aft team at the Norwood fair. The team is owned b Northumberland Co., Ont., farmer, Ar. Henry Wa: s, who may be seen seated on the wagon.

Conformation is the next point noted, and this includes, of ccurse, the build of the horse in detail. It includes the shape of the head, neck, forehand and barrel, croups, thighs, hocks, and in fact every part of the horse in detail. Constitution is a point I always lay special stress upon, including therein the size of the nostril, width and cleanness of throat latch, cleanness about the windpipe, width of chest and spring of rib, together with the correlated point, width through the heart and the size of the heart girth.

Then comes the point in question, quality, which includes the fineness and denseness of the bone about the head, with veins apparent, evidencing a fine mellow skin, and fine hair, then fineness and denseness of bone about the canon, knees, hock and hind legs. I would consider a horse that is meaty about the hock as lacking in quality, and probably he would lack quality in other parts as



General Utility Horses of Popular Breeding

This splendid team of Percheron grades were first in their class at the Norwood (East Peterboro) fair. They are owned and were exhibited by Mr. John Doherty, of Peterboro Co., who may be seen holding the reins. Photo by an editor of Farm and Dairy.

well. The horse that has quality is one that has refinement and denseuess of texture throughout. A horse lacking quality is coarse in hair, bone and skin and has not the refinement desired. A dense hoof is another indication of quality.

In my work I have the students particularly examine the feet and legs and report thereon. This includes the confermation of feet and legs, the proper muscling of forearm and gaskin being the uppermost points examined under this special heading. Then the set of limbs, size of bone below the knee and flatness thereof, size and shape of feet are considered.

The heading "Quality in Horses", includes an

examination for unsoundness and the students are particularly taught to guard against any malformation that would give rise to unsoundness. When the horse is put in motion, his wind is observed as well as the eye when standing still.

action is the last, but one of the most important points considered; and this includes a consideration of trueness of the gait, discrimination being made against winging or paddling or closeness of gait. The saddle horse is scored on his ability to go properly the three or five gaits. During the time that the horse is in action particular attention is paid to the first characteristic mentioned above-namely, the general appearance (style and vigor).

I am writing this article merely to give my ideas in regard to what is meant by each of the above terms used by the horsemen. It is necessary that we should have some universally understood terms in order that every one may understand what is indicated when each term is employed .-Professor Hooper, United States Department of Agriculture.

Harvesting Roots in Nova Scotia

J. R. Semple, Colchester Co., Ont. In harvesting the turnip crop we do all the work of pulling and trimming by hand. Two rows are pulled at a time. We pull with one hand and

with a sharp knife in the other hand the turnip is quickly trimmed and dropped outside of the rows the operator is working en. Coming back on the next two rows the turnips are dropped in the same row, making four rows of turnips piled together. When the next four rews are piled in the same way a sufficient space is left between for the horse and cart.

If the turnip tops are to be hauled off for feeding they are thrown in a windrow outside of the space left for horse and cart making eight rews of tops in a windrow. If they are not intended for feeding they are dropped as cut which leaves them spread evenly over the ground for plowing under. The loading is done by hand. We have tried loading with a fork but find it to be too slow. We find the dump cart the most convenient style of waggon for hauling.

Mangels are handled in about the same way as turnips excepting that the knife is dispensed with, especially for the globe and tankard varieties. The tops are twisted off with the hands. Sugar beets can be pulled taking a row in each hand, and with a quick jerk the work of topping is quickly dene. The roots are stored in the barn cellar where they are convenient for feeding.

The Cost of an Inferior Bull Prof. M. W. Harper, Cornell University

The average farmer who is raising his own dairy calves little appreciates the net cost of a cheap or inferior bull, when in search of an animal to head his herd. This is well illustrated in a herd of dairy cattle of which we have very accurate data as to the flow of milk and the amount of butter fat produced during the past four generations.

In this particular herd the condition, such as the breeding of the cows, the feeding and the management were as even throughout the four generations as could be obtained in practice, so that any marked increase or decrease in the production of the offspring can be credited to the sire used.

The first sire under observation got three producing females that averaged 390 pounds of fat a year. The second bull even excelled the first, as he got nine producing females that averaged 392 pounds of fat a year. The third bull used was rather inferior, and illustrates the point at issue. He got eight producing females that averaged only 285 pounds of fat a year. This is a falling off of 107 pounds per cow a year. For the eight females this means a loss of 856 pounds of butter fat a year, which at 40 cents

gin to p length o then the presents count of

Octob

a pound

as these

If the

Good Gee

We sta some 15 y bred bull calves eac old comm have had te get th well pleas Only re work. T

herd for i No. 1 p No. 2 No. 3 No. 5 No. 6 1 No. 7 g No. 8 g Nc. 9 No. 10 p No. 11 g No. 12 During t early wint deavor to for the c the chees operation, turnips wh

We always

in the sta

feed ensila

clover hay

cut green

gets her

day and al will eat. Our cows as soon as t and the cov comfortable that we get by stabling nights. We until within freshening. longer than

habit of mil Comme W. G.

When the on whatever straw and er condition ar water in the when the di stand around Sometimes I or two at a

When a c giving her a handful of sa water to mal cows. I had that would n clever hay a few days. I do not

The records Sept. 29th issue

students any malundness nd is ob till.

1910.

portant considertion becloseness s ability r atten-

entioned (style give my h of the ecessary

derstood lerstand loved. ment of

he werk ows are nd and turnip of the ig back pped in ps piled piled in

or feedof the ded for es them under. d loadv. We

way as es. The r beets d. and quickly cellar

is own t of a of an strated e very nd the e past

e four actice, in the e proof fat

l used int at that This year

eraged

tia

between

tyle of

ity

nch as nd the

first,

of 856 cents

a pound means an annual loss of \$342.40 so long as these cows are retained.

If they are retained five years after they begin to produce, which is, perhaps, the average length of time for animals of this kind to breed, then the loss amounts to over \$1,700. This represents the actual loss to the farmer on account of the use of this particular sire.

Good Records and How Obtained

Geo. A. Robertson, Lanark Co., Ont.

We started to grade up our herd of dairy cows some 15 years ago. We made use of the Lest pure bred bull we could get. We have kept the heifer calves each year from the best cows amongst our old common cattle. During these 15 years we have had five different bulls and have always tried te get the best milking strain available. I am well pleased with the investment I have made.

Only recently have we been into cow testing work. The records for individual cows in my herd for four months are as follows:

No. 1 pure bred 5,367	lbs.
5.988	11
5 grade 6,721	11
No. 4	22
5.756	2.7
	22
No. / grade	11
No. 8 grade neifer 3,736	11
A10. 0 P P1.	2.9
10. 10 pure bred heifer	23
5 554	11
E TAN	22
During the late fall and	

early winter we always endeavor to have roots enough for the cows-mangels till the cheese factory ceases operation, and then we feed turnips while making butter. We always feed the turnips in the stable so that each gets her own share. We feed ensilage once a day, clover hay or peas and oats cut green for feed cace a day and all the straw they will eat.

Our cows are stabled just as soon as the nights get cold and the cows would feel uncomfortable outside. We find that we get a lot more milk by stabling the cows on cool nights. We milk the cows

until within two or two and one half months cf freshening. We generally milk heifers a little longer than this so as to engender in them the habit of miking for a long period.

Comments on Feeding Dairy Cows*

W. G. Huffman, Hastings Co., Ont.

When the cows are dry my plan is to feed well on whatever is on hand. Dried corn, clover, hay, straw and enough grain to keep the cows in good cendition are the feeds commonly used. I have water in the stable and do not let the cows out when the day is not warm enough for me to stand around with comfort in my shirt sleeves. Sometimes I do not have them cut for a week or two at a time.

When a cow freshens I make a practice of giving her a warm drink. Scalded bran, a small handful of salt and the pail filled up with enough water to make a good drink is enjoyed by most cows. I had one or two cows this year, however, that would not look at it. Follow this with nice clever hay and a small quantity of bran for a few days.

I do not feed as heavily on grain as some

"The records of Mr. Huffman's herd appeared in the Sept. 29th issue of Farm and Dairy.

dairymen advise; from six to 12 pounds is my usual feed. This grain ration is kept up until the grass is good enough to warrant dropping it. This year it was nearly the first of August before I stopped feeding grain.

When all is said and done good pasture is one of the many considerations with most of us dairymen. To get the most from pasture change from one field to another every few days.

Salt is one of the hings a great many forget about in the winter. Give it regularly. I try to have salt in front of the cows all the time, winter and summer. I don't let small boys or dogs chase the cows. I spray them in summer to keep flies off. With treatment such as this a good dairy ecw will give returns that are pleasing to the dairyman.

Brood Sows Wintered Cheaply

R. H. Bonham, Dundas Co., Ont.

The only hogs which we carry over winter are the brood sows. We regard the hog as a profitable animal only when used to consume the byproducts of the dairy, such as skim milk or whey. As we all practise summer dairying in this neighborhood and would have to buy most of the feed which the hogs consume in the winter, we do not believe that there would be much profit in winter hogs. In the summer, however, we not only have a large amount of dairy by-products to be disposed of, but the pigs can be fed very cheaply on green feeds which are not available in the winter months. A few brood sows, however, we must keep through the winter.



Fine Looking, Heavy Producing Cattle, the Result of 15 Years of Grading What kind of a photograph would your dairy herd maker Wouldn't it be what kind of a photograph would your dairy herd maker Wouldn't it be nice to have then giving the constraints and color? And wouldn't it so fine to have then giving you have them than the average con graph to live the way to be the constraints of the constraints

In wintering our brood sows, we endeavor to house and feed them as cheaply as possible. By erecting buildings and winter feeding entirely on mill stuffs as some of our neighbors do, it is possible to have them eat up all the prefits which might be made from them in the whole year.

WINTER QUARTERS

The six brood sows which we usually carry through the winter, find accommodation in a shed 8 by 16 feet with a shanty roof. This is tightly boarded to keep out the wind; it is well banked with strawy manure and is kept thickly bedded. The dcorway is covered with several ply of burlap which the sows can push aside and go in and out at will. If kept well supplied with straw for bedding, they pass the winter very comfortably in this inexpensive shelter.

In order to make the sows take sufficient exercise, the feeding platform is located near the barn about 50 yards from the shed. It is therefore necessary for them to ge out three times a day for feed and this provides plenty of exercise to keep them in good health.

WINTER FEED

Mixed oats and barley which we grow on the farm forms the basis of the grain ration during the winter. This is supplemented with middlings and sometimes a little ccrn meal. As much pulp-

ed mangels as will be eaten quickly and not left in the troughs to freeze is given once daily. Well cured clover hay run through the cutting box and steamed with boiling water in a barrel is fed three or four times a week mixed with a little n iddling.. We believe that this feed has a very good effect in keeping up the health and appetite of the sows. As farrowing time approaches, they are removed from this cold shelter to warmer box stalls in the stable.

Views of an Ontario Dairyman

R. S. Stevenson, Wentworth Co., Ont.

A Nova Scotia dairyman writing in Farm and Dairy, Sept. 8th, places the gross revenue from the average cow at \$40. This is too high for the average Ontario cow. The average production of Ontario cows is not over 3,000 lbs. of milk, which if made into Lutter and sold for 25 cents a pound would bring \$30 and allowing \$5 as the value of the skim milk we should have a gross average return for each cow of \$35 which is about

The cows of Ontario should give double this amcunt of milk, 6,000 pounds is the low-est standard any man calling himself a dairyman should fix for his cow. This amount could easily be increased one or two thousand pounds more per cow, simply by breeding, selection and feeding. These are the three great essentials for successful dairying. One is no good without the

SELECTING THE BREED

The selection of a breed must rest with the man himself. I would suggest that it would be wise to choose the breed that has produced the largest average of good cows. A few phenomenal records do not prove the value of any breed of cattle to get at the true value of a breed. After making a choice of any breed by all means stick to that breed. Never cross breed. Cross breeding has always resulted in disaster.

To gain success we must have an ideal, and breed towards it all the time. Any man who applies himself honestly can in a few years grade up a herd of cows that will be a source of pleasure to him as well as profit. There are no socrets in the business. One of the most important factors in grading up a herd, is the regular weighing of each cow's milk,-guess work will not do, in dairying any more than in any other business.

Jottings from Farmers

It is conceded by our best orchardists that one acre of apple orchard well cared for will give as much profit as 10 acres of any other crop.-J. C. Harris, Oxford Co., Ont.

Sow thistle prevents the growing of crops, and where it exists fields of grain are often not worth cutting. Summer fallowing is perhaps one of the most effective remedies. It will not thrive as well where sheep raising is practised, for sheep are fond of sow thistle as well as of other weeds. W. S. Fraser, Simcoe Co., Ont.

Corn should be harvested before there is any danger of it being injured by the frost. The easiest way of cutting it is of course with a corn binder. As soon as possible after cutting it should be filled into the sile and thoroughly tramped so as to exclude all air. After filling it should be covered with chaff and the chaff moistened to assist in keeping out the air .- T. H. Binnie, B.S.A., Carleton Co., Ont.

When the season arrives for digging potatoes, much care should be exercised to prevent any decayed ones being picked with the good ones. If rct is prevalent, before they are stored away in cellars it is better to put them in a shed where no and or frost may get at them; then when all affected potatoes may be discovered they can be assorted and put in the cellar for winter.-John N. Watts, Leeds Co., Ont.

Hobe. Jones, Sr., Marmora, writes April 8, 1907, "I had a able horse with a big leg and ttle of ABSORBINE and it cured

W. F. YUUNG, P.O.F., 123 Temple St. Springfield. Mass

This Cylinder Shows Why The "EUREKA" Root Cutter



urns out roots in shreds autiable for any kind of feeding, autiable for any kind of feeding. The "Euroka" shreds from one to two bushes a minute, and turns so easily the feed is kept to bushes a minute, and turns so easily the feed is kept fee from dirt, the feed is kept free from dirt. can reach the shredding cylinder.

The sloping form of the cylinder makes the machine a self-cleaner. Write for catalogue which explains fully. The Eureka Planter Co. Woodstock, Ont.

The Belleville Business College

Has one thousand Graduates filling prominent positions. College open the whole year. Write for Catalogue D. The Belle Business College, Limited, P. O. Draw er "B." Belleville, Ont

LEARN WIRELESS & R. TELEGRAPHY:
Shortage of fully 10,000 Operators on ac
count of shour law and extensive "wire
developments. We operate under
the operation of fully 10,000 Operators
positively plan of fully 10,000
positively plan of fully 10,000
positively plan of fully 10,000

THE ONTARIO PROVINCIAL

GUELPH, ONT.

DECEMBER 5TH TO 9TH, 1910

Large Prizes and Classes for Beef Cattle, Dairy Cattle, Sheep, Swine and Poultry, Seeds, Judging Com-

petition and a HORSE SHOW Entries close November 19th

Single Fare Rates on the Railways. \$16,000.00 in Prizes

For Prize List apply to the Secretary, J. BRIGHT, Pres. A. P. WESTERVELT, Sec.

ADVERTISERS,

On December 1st, the last of our Eight Big Magazine Num-

bers for this year will be published

A Small Dairy Farm

We have 52 acres which we can use for rotation, apart from bush, orchard, eight acres of lucern, and two or three acres for roots and potatoes. The soil is gravely loan with patches of sandy loam. The land slopes enough to give good drainage. None of it is underdrained.

1-How shoud I use this land to carry the most profitable number of cows? 2—How should I apply the manure? 3—What is a good absorbent for liquid manure? Saw dust can be obtained at 75c or \$1 a lo 4—Which breed of dairy cattle would best where pasture is little used? 5—Cou

best where pasture is little used? 5-Could you inform us where good grade cowe can be obtained, of each breed? As you propose to feed your cattle in summer rather than pasture them I am of the opinion that a three-year rotation would give you best results in enabling you to keep mest cows and to produce milk most cheaply off

the limited area you mention.

The retation would be: First year, corn, roots and green feed, such as corn, roots and green feed, such as peas and oats; second year, oats and barley mixed, or pure oats, seeded down with eight lbs. red clover, six lbs. alfalfa und 12 lbs. tim-othy an acre, and third year, hay, two cuts, or pastured in part to suit convenience

or requirements.

or requirements.

1. Manure might be applied on the sod in the fall and winter preparatory to plowing down for corn the next spring. The manure should be spread evenly as often layer or small rules for the layer of the either large or small piles for in small tarfafr odwodw cdw more than a few days. If hauled out on deep snow, it might be advisable to leave in small piles until the soil

it should at once be spread before the ground under the pile has softened and become absorbent

Sawdust is a good absorbent fer liquid manure; cut straw, or even long straw is better At the price of \$1.00 a load, sawdust is protably cheaper than straw for the purpose. Hardwood sawdust or sawdust of other than pine or fir woods would be the better to use. Sawdust from

resinous woods does not ret restrous woods does not ret very quickly and would not have in itself a very beneficial effect upon such light soil as you describe. CHOICE OF BREEDS

3. Any of the regular dairy bre 3. Any of the regular dairy breeds, Ayrshires, Guernseys, Jerseys cr Hol-steins or their grades would do satis-factory work as soiling cows. The end in view would probably influence-you. Holsteins and Ayrshires would probably be most satisfactory if shipprobably be most satisfactory if ship-ping milk to a city, or for cheese factory work. The Jerseys and Guern-seys would probably be more satis-factory if selling cream or making butter

Good grade Jerseys could I think be picked up in the neighborhood of Brampton. Grade Helsteins are in evidence almost anywhere in Ontario, but probably more commonly in Ox-

ATTENTION !

TENESS from a Bone Seavin, Ring net, Splint, Carb, Side Bone or aim received as the supposed with the supposed with the supposed ford County than most other dis-tricts. Grade Ayrshires are common in Eastern Ontario and in Quebee but I do not knew of any district where they are plentiful in Western Ontario. Grade Guernseys are not to be found in great numbers anywhere in Canada.

Second Crop Clover and Timothy

I cut a piece of clover and timothy this season and the second crop is now in bloom. Is it better to mow it and let it lie, or leave it standing?—G. B., Drum-mond Co., Que.

The best way to handle the se The best way to handle the second crop of clover and timothy in the field in question would be to pasture it off. If no cattle are available to use this way then your best plan would be to let it go to seed. It is so late in the season new that it would not be advisable to cut.—J.H.G.

measure 700 to 1,000 feet of lumber

Farm and Dairy is not inclined to give too much credence to the scheme since it is well known that walnuts of the common tlack variety are found naturally on soils varying from a loam to a heavy clay nature. The native white pine would be a much more certain proposition on these waste sand areas.

Ontario County Road Expenditures

en counties in Ontario have established countries in Untario have established country road systems under the Highway Improvement Act. These are: Carleton, Frontenac, Halton, are per clover and timethy in the field in question would be to pasture it off. If no cattle are available to use this way then your best plan would be to let it go to seed. It is as late in the let it go to seed. It is as late in the visable to cut.—J.H.G.

Seeding Wet Land

I am clearing a piece of awamp land and would like to know what kind of grasse would be suitable for seeding. This awamp cannot be drained, and will be covered with water in both spring and tail.—James Winnamesh, Piecon Co., N.S.

The grasses most likely to grow un-



A Splendid Stretch of Road in the Prince Edward County System

The Prince Edward County road system was organized in 1937. It includes 54 miles road. It is anticipated that the entire mileage will be completed during 1930. The coun is equipped with modern road-making machinery, amongst which is included two road rocks. The road herewith illustrated is in decided contrast with roads not finished with

der such conditions are red top and timothy. The land should be drained as well as possible, then worked during July and August. Keep the weeds dewn by harrowing as late as possible in autumn, then in the spring as anon as it is possible to walk dry sible in autumn, then in the spring as soon as it is possible to walk dry shod over the field, sow the grass seed above mentioned at the rate of 10 lbs. timothy and 12 lbs. red top per acre. Harrow lightly after seeding and roll. If it is possible to roll at all it would likely be advantageous to roll two chreat times after seeding. to roll two or three times after seeding.—J. H. Grisdale.

Planting Waste Land

It is reported that about 10,000 acres of waste sand land in Simce Co., Ont., has been acquired by a New York millionaire at a price ranging from \$1.50 to \$6.00 an acre. Agents have been quietly purchasing the land for several weeks and it is alleged that they have their plans made for reforesting the land next summer. OUR SECOND ANNUAL BREEDERS NUMBER summer.

According to information gained by the Allisten Herald, it is anticipated that within 10 years, walknut trees planted on these was a way and the planted on the was a rease will increase to \$5.00 a tree as the trees mature. At the end of 25 years, of personal interest to the farmer.— it is estimated that the trees will

county systems has steadily grown. In 1909, the last two counties, Leeds and Grenville, and Carleten, passed the necessary by-laws. To the end of 1909, the average has been equal to 15 counties, each operating for four years, in which period 1,125 miles of stone, or good gravel roads, have been built. This neglects a large amount of minor, incomplete and scat-tered improvements which will even-tually be a part of the permanent work.

Expenditure under the Act since Expenditure under the Act since 1902 has been as follows:
Tell roads purchased....\$153,897.98
Sundry grants to townships,
villages and towns....\$9,957.02

Permanent bridge construc-supervision 1,404,497.88

Total\$2,128,122.93

Réces The The our su vited interes intere

Octo

**** Fee of sugar for swine contain h Does it to pleased t this matt

Sugar first-class somewhat for pork roots are able food best meth and feed objection in cold w materially this kind As suit

these root lbs., corn lbs. Feed each 50 11 part of th wei finishing Meal wit

We have strong ensi grains woul in connection much would giving 25 pc Prince Edw As a mer with clover cribed I meal, 2 propart, by we five to six best results cribe. If able it mi into the m

added to given. Oil cake gluten meal replace the In the case used it will crease the b either case. exceedingly cews but no

> Cost o Prof. A.

Prof. A. braska Agric tion informs butter-fat at a pound the amount to a for 4 per cen farmer or da understood under favora has devised, with a little equip the dai

Each indiversely for productive by the best cow the poor cows feed of a covaverage grade 250 lbs. a ye instance, it instance, it is butter-fat whi pays to get from the cew feed and comf weight and version determine milk or other

It is not too early to decide what space you will use in this number. The earlier you make your reservation the better location you will secure. With our regular subscribers looking for this number, with an increased circulation, and with no advance in the advertising rates, you will miss an opportunity for enlarging your business unless you gut this RREEDERS' NUMBER. Write today for further particulars. Advertising Department Farm and Dairy

~ Peterborough, Ont.

f lumber elined to

1010.

e scheme
walnuts
iety are
ing from
ire. The a much ad

rio have ns under ct. These Halton, d Gren-Lincoln, Vaterloo The Act so that Act was ext year

created em; this Counties aber of

grown. Leeds passed he end ng for 5 miles d scateven-

897.98 957.02 225.21 544.84

since

122.93 have eight Prohe to-

ry on atters ner.—

The Feeders' Corner is for the use of our subscribers. Any interested are invited to ask questions, or send items of interest. All questions will receive prompt attentios.

Feeding Roots to Swine

Does cooking add anything to the value of sugar mangels or sugar beets as a tood of sugar mined would the sugar which they contain have any injurious effect on swine? each of the sugar which was any information on this matter.—J. F. H. inverness Co., N.S.

pleased to receive any information on this matter—J. F. H., invertees Co., N.S.

Sugar beets and sugar mangels make first-class pig feed. Sugar bests are somewhat superior to sugar mangels for pork production. Both sorts of roots are wholeseme and make profit-able food for fattening swine. The best method of preparation is to pulp and feed raw. There is however no objection to feeding cooked. In fact, and the sugar mangels of the superior of

Meal with Clover and Ensilage

We have plenty of good clover hay and strong ensilage. At present prices what grains would you advise me to buy to feed in connection with this roughage? How you advise feeding a cow giving 25 post post property of the giving 25 post post post post post post giving 25 post post post post post post prince Edward O. On.

Cost of Producing Milk

Prof. A. L. Haecker, of the Nebraska Agricultural Experiment Station informs us that he can produce butter-fat at an average of 16 cents a pound the year round. This would as a pound the year round. This would as pound the year round. This would as mount to about 60 cents a hundred far per cent. milk for the Nebraska in the produces milk and the produces milk under favor diriyman. It is, of course, independent of the produces milk and the produces milk the produces milk and the produce milk and the produces milk and the produces milk and the

instance, if a cow consumes the fellowing ration, the cost is 16 cents a day for her feed:

day for her feed:
30 lbs. silage at \$1.50 a ton....\$.02
15 lbs. sifalfa hay at \$8.00 a ton....06
3 lbs. bran at \$20.00 a ton....03
5 lbs. corn at 70c a bush......05

Total S. 16
Figuring on a basis of 30 days, this amounts to \$4.88 if I a cow produces an average of 18 lbs. of milk a day, testing 4 per cent of teter-fat, the value of her products of 30 days would be 18 lbs. by 4 per cent open a series of 12 lbs. butter-fat by 30 days equals 21.6 lbs. butter-fat at 38 cents, equals \$8.21 or \$8.40 profit a month. Placing the milk on a basis of 100 lbs., it is 4.80 to 400 lbs. milk, costing \$4.80 to produce, or practically \$1.00 a cwt.

a cwt.

Now, if a cow, instead of giving
Now, if a day, as does the
average scrub, produces 40 lbs., which
is not uncommon among purebred the state of the s

Questions on Feeding

Questions on Feeding

1. Is it advisable to feed sugar beets to horse diright the winter? 2. With corn how an unique the winter? 2. With corn how an unique the winter of the winter of

Dairying on a Large Soale

Dairying on a Large Soale

W. J. Elliot, Strathmore, Alta.

There is no section of Canada that is the is no section of Canada that is the standard of the dairy business the subject of the dairy business than the second of the section of the mountains. Our soil is very darkiev, and will produce any of the production of the section of the best creps and in a few years the timeness district lying east of Calgary will be a great dairy country. Irrigation lends itself admirably to Irrigation lends itself admirably to the section of the section o

tems of true intensined agriculture tems of true intensined agriculture dairying must find a large and important place.

We are at present milking 75 cows and are putting an addition to our and are putting an addition to our present barn to hold 100 milet cows. We find a ready sale for butter, milk, and cream at profitable prices. For instance, butter fat never went below of the properties of the properti

CORRUGATED

Galvanized, Rust Proof, Made from very finest sheets, absolutely free from defects

Each sheet is pressed, not rolled, corrugations therefore fit accurately without waste. Any desired size or gauge, straight or curved.

LOW PRICES - PROMPT SHIPMENT

Metallic Roofing Co. MANUFACTURERS LIMITED

TORONTO and WINNIPEG

WINDMILLS



overy five feet apart and double braced

Gas and Gasoline Concrete Mixers Write for Catalogues

GOOLD. SHAPLEY & MUIR CO., LIMITED BRANTFORD, - CANADA BRANCE OFFICE WINNIPEG, MAN.

much would your adrise feeding a cow giving 35 pounds of milk per day?—L. K. Prince Edward Co. Ont. As a meal mixture suitable to feed with clover hay and ensilings as described 1 would recomment given mat, 2 parts, bran 4 parts, and parts, by weight. Of this mixture from part, by weight. Of this mixture from parts, by weight. Of this mixture from proteon from our dairy heart. Under a system of potatoes lost annually in that a state and the first the resulting of the parts of potatoes will done to make the parts of the parts of the parts of the parts of potatoes will not very palatable at first. Cost of Producing Milk Prof. A. L. Haecker, of the Nebraska from a sunder for a parts of the parts of potatoes will not be parts of potatoes parts of pota



lower rates.

Canadian Independent Telephones are Canadian Independent Telephones are guaranteed for ten years. Their quality is so superior that we offer to arrange a free trial for the sake of comparison with oth-ers. If interested, just write us at once.

Also ask for the new book, "Canada and the Telephone," with thirty-two clever illustrations showing the value of the telephone in rural homes

Canadian Independent Telephone Co., Ltd. 24 Duncan St., Toronto



is honest if you put it through the cow.

OUR SYSTEM OF

Woodward Water Basins

increases the milk flow and increases your DAIRY PROFITS. Not only that but

IT SAVES MUCH TIME AND LABOR

There is only one Woodward but lots of imitations-BEWARE

ONTARIO WIND ENGINE & PUMP CO. LIMITED TORONTO,

"ONE FOR ALL, NO. 1"

Wool Grease, Arsenate of Lead, Lime and Sulphur. Both a Contact and Poison Spraying Compound. Spraying Compound.

Wool Grease is harmise, but it keeps all together and sticks through rain or shine. Will kill chevring, stoking injenects and prevail and the state of the

"ONE FOR ALL, NO. 2"

A Contact Spray Only.

Wool Grease, Lime and Sulphur

For scale and other sucking insects, alecto spray animals against pests and for dip
to kill parasites and cure scal.

Prices, F. O. B., New York:
One for All. One for All.
No. 1.
No. 1.
No. 2.
No. 1.
No. 2.
No. 3.
No. -Use Any Tin

MANHATTAN OIL COMPANY

Established 1852
SS PRONT STREET . NEW YORK

- 34

SYNOPSIE OF CANADIAN NORTHTOWN THE LAND REGULATIONS.

A NY person who is the sole head of a
may homestead a quarter section of available Dominion land in Manitoba, Baskatappear in person at the Dominion Landa
Agency, or Sub-Agency, for the District.
Birty by proxy may be made at any
mother, son, daughter, brother or sister
of intending homesteader and any live within
anismiles of his homestead or a farm of
by him or by his father, motier, son,
daughter, brother or sister.
In cortain districts, a homesteader in
In cortain districts, a homesteader in
In cortain districts, a homesteader

In cortain districts, a homesteader in
In cortain districts, a homesteader

In cortain districts, a homesteader

John per aero. Duties—Must reside upon
also per aero. Duties—Must reside upon
is each of three years from date of homesteadentry (including the time required to
earn homestead patent) and cultivate fity
A homesteader who has exhausted his

The momested patent) and vulvare and the care attraction and the care attract at the care attract at the care attract at the care attract at the care at the care

Deputy of the Minister of the Interior N. B.—Unauthorised publication of this vertisement will not be paid for.

HADTICII TIDE

HORTICUL TURE

Apple Situation Unchanged

Reports of the apple crop and prices received from Farm and Dairy corres-pondents during the last week do not differ materially from the reports differ materially from the reports published in Farm and Dairy October 20th. A short crop of winter varieties is reported from all sections. Prices range from \$1.25 to \$4.00, the latter price being given for straight Spys, f.o.b. on cars.

It is interesting to note that where-ever more than \$2 a barrel has been ever more than \$\phi_2\$ a barrel has seen received, it has been through coopera-tive associations. Mr. Chas. H. Weav-er, Secretary of the Dunnville Fruit Growers' Association reports that some sales have been made in car lots at \$3.00. E. J. Borrownan, Secretary Wyoming Fruit Growers' Association Wyoming Fruit Growers Association reports apples selling at \$\$3.00 to \$\$3.20. Mr. D. Johnson of the farfame Norfolk Association reports the price to growers at \$\$2.50 s. Larrel. The crop is not quite so heavy as last year. Prices range from \$1.25 to \$\$1.75 tree run.—Norman Montgomery, Northumberland Co., Ont. Price offered ranges from \$1.00 to \$1.50.—Thos. L. Leslie, Halton Co., Ont.

Ont.

Apples are not more than onequarter of a crop but are of fair
quality. Buyers are paying from \$1.00
for fall apples to \$1.50 for when
varieties.—Chas. J. Staratt, Halton

varieties.—Unas. J. Staratt, Hallon Co., Ont. Not enough apples for local con-sumption.—J. Davidson, Bruce Co.,

Ont.

The apple crcp is away below the average but the quality is good; \$1.75 per barrel, is the average price and \$2.00 for choice ones.—W J. Little Brant Co., Ont.

Crop is below the average. Prace from \$1.00 to \$1.75 a harry

range from \$1.00 to \$1.75 a bar Rebt. Woods, Oxford Co., Ont. Apples are almost a failure, price about \$2.50 a barrel.—D. Johnson, Norfolk Co., Ont.

Norfolk Co., Ont.

Apples are about one-third cf a crop.—Price, \$1.00 a barrel.—George Pitman, Norfolk Co., Ont.

Crop is almost a failure. Apples Crop is almost a failure. Apple are selling from \$3.00 to \$3.20 a barel.—E. J. Borrowman, Lambton Co Ont

Spys are a short crop, Baldwins Spys are a snort crop. Datawins about two-thirds of a crop. Apple dealers are paying about \$1.25. Some sales have been made in car lots at \$3.00. Straight Spys are bringing \$4.00 fc.b.—Chas. H. Weaver, Ontario C. Ont.

Horticultural Notes

A. McNeill, Chief, Fruit Division, Ottawe

Where no spraying has been done

Where no spraying has been done, apples and pears in southern Ontario are seriously affected with a second broad of coding moth. The curveillo is also causing serious of the comparative of the packers have not learned the significance of the comparatively small and clean break which this insect makes in the skin, and the apples, which at the time of packing appeared sound in every way, quickly develop rot around this small puncture, which in the end results in a complete loss of the fruit.

trre, which in the end results in a complete loss of the fruit. The San Jose scale is spreading in the southwestern peninsula and in the Niagara district. It is held in check in well cared for orchards and, there fore, does not seriously affect the com-

fore, dees not seriously affect the commercial crop.

The pear slug is reported by many correspondents, and is probably responsible for the lack of vitality in many cherry and pear orchards.

The Blister mite is becoming prevalent, especially in the orchards north of Lake Ontario.

Neva Scotia has an exceptional vitality in the control of Lake Ontario.

amount of fungus this year on count of weather conditions. Only those orchards that have been regu-larly sprayed at least four times are reasonably free from it.

reasonably free from it.

The Tent caterpillar is quite numerous in the neighborhood of Nanaimo on Vancouver Island. There are also some serious complaints on the coast. Speaking generally of the inland valleys, British Columbia is very free from fungous diseases and insects this year.

The evidence is everwhelming The evidence is everwheiming in fruit crop reports for September that systematic spraying is a practical and comparatively cheap remedy for insects and fungous diseases. An outlay of from \$12 to \$20 an acre is but a small risk to secure almost com-plete immunity from insects and fungous diseases.

When to Prune Raspberries

When is the proper time to trim rasposer to the raspose to the ras

Optimistic Potato Crop Reports

While the potate crop; taking On-tario as a whole, is considerably be-low that of last year and in many sections will not be more than onelow that of host year and it hosty sections will not be more than one-third of a crop, reports received from Farm and Dairy ccrespondents during the last week would indicate that some sections at least will have an average crop and in a few cases, petratoes are reported to be extra good. W. Broderick of Huron County reports that the crop of potatoes is extra good with no complaints of rot. "The potato crop in this section is good and of good quality but not so large as last year", writes a Stormont country correspondent, Mr. M. Mo-Lean, Mr. A. R. Ewing reports that the section of Norfolk county, point his section of Norfolk county, point nor normal norma

no sign of rot. Mr. Peter Mc reports from Wellington County " McGill potato crep is much better this year than last, yielding 100 bags to the acre. There is very little rot."

than mas, 3 the series of the



A Good Raspherry Plantation in New Bruuswick

This illustration shows a fine raspherry plantation on the farm of Mr. John C. Gilman, near Frederickton, New Brunswick. The chances for a good crop next season can be increased by proper care this fall. All the old canes should be removed and the new ones thinned out somewhat.

laterals may be cut back to a length of 12 to 15 inches in the autumn. The bearing wood of both black and red raspberries should be removed as

as the fruiting season is over. scon as the fruiting season is over. There is no advantage in leaving the old canes till the following spring as is commonly supposed. Suckers coming up between the rows of canes should be cut off as soon as they appear.—T.G.H.

The Dominion Fruit Inspectors report many cases of early apples marked No. 1, that are qualified for this grade in every respect except color. Such packages have been 'branded "Falsely Marked". Good color for the variety is an essential quality in a No. 1 apple.

Business of great importance to the future of fruit growing in New Brunswick will be transacted at the Fall Apple Show. A series of instructive addresses and demonstrations will be given by Mr. W. Towa and Mr. R. O. Treberne. of Ontario and by Prof. Shaw, Mr. R. S. Starr and Mr. G. R. Yroom of Nova Scotia. It is confidently expected that the shew will awaken a much greater interest in fruit growing in New Brunswick and will be followed by a considerable development of the industry. Business of great importance to the

centage from rot."—P. S. Ewing, Northumberland Co., Ont. The bright dry weather which has prevailed for the last week is giving prevailed for the last week is giving potato grewers an excellent opportunity to get their potatoes harvested in the best of condition. Growers are taking full advantage of this fine taking full advantage of this fine venture and by the time this report weekler and by the time this report weekler and by the time this report which are the potato crep will have been harvested.

Many peach growers have shipped this year for the first time in peach boxes. It should be noted that, while the Inspection and Sale Act prescribed no name and addresses for the peach basket, the peach box must be marked basket, the peach box must be marked the same as any other closed package. The Dominion Fruit Inspectors are reporting a number of cases where peach boxes have not been properly marked.



*** **** Tu

Octob

T. A. Good refrom turk methods of depends umstance upon the re able by adepti by using By this By this keys shoul

remain ner be fed clo the buildir eventually The sim good feed fint corn. feed nothin Give a goo

Another the mornin ing a little dough. Ve ed by feeding oats, crack The oats sh ect in crac and crushin birds take Great car urkeys. T turkeys. vous and be aged so mu iously affect care that t stead of where there to see where them. Methods

the case of c Poultry S. G. Han

turkeys are

The type of British Columniches high back and nin roof, back ar a good roofin a good room vide the hous A dropping b a single pero board floor is of earth and hood in fron This hood is shiplap laid boxes are ma house. They easily for cle ered from in one inch nett One acre p 400 hens. Th ber cf hens is an acre in freback. The me summer and ter. The yards and sowed with the creation of the creati the crops are the birds are then not be a stuff down.

The houses a and fresh eart boards. The feeted with a or three times ter air slacked ally on the dependent distribution of the dependent distribution o birds in winter

ping will keep

Reports ing On-ably be-n many an one-ed from nts dur-

nts durate that have an ases, pora good. Inty reses is except rot.

not so M. Me rts that nty, po-there is McGill ty "The his year to the

up to rot." geod. yield. ge per-

kt sea-moved wing, h has giving ortun-ted in s are fine report

aders, ipped peach while ribed peach kage.

perly ATE your s 50 to

Turkeys for Market

T. A. Benson, Ontario Co., Ont. T. A. Benson, Ontario Co., Ont.
Good results can often be obtained
from turkeys by entirely different
methods of defing. Although much
depends upon surroundings and circumstances very much more depends
upon the feeder. Some poultrymen
are able to obtain the best results
by adepting the simplest methods;
others appear to equally well only
others appear to equally well only
by using more elaborate systems.

are able to ottain the new remiser aby adopting the simplest methods, others appear to do equally well only by using more elaborate systems.

By this time of the year the turkeys should have been encouraged to remain nearer the farm buildings and be fed close to and sometimes inside the building. This plan makes it easy eventually the catch them.

The simplest and an exceedingly eventually the catch them.

The simplest and an exceedingly eventually the catch them.

The simplest and as exceedingly eventually the catch them.

The simplest and as exceedingly eventually the catch them.

The simplest and the seasoned grain. Give a good three times a day. The turkeys should not be copped.

Another method is leaded to be copped.

Another method is fed only in the morning and corn readily, adding a little condition power, and the deugh. Very good results are obtained by feeding a mixture of equal parts of the corn and erushing the oats is to make the birds take mere time to feed.

Great care is necessary in catching takes mere time to feed.

Great care is necessary in catching takes mere time to feed.

Great care is necessary in catching them, and the proposed in catching as to seriously affect we market price. Take care that there is only sufficient light to see where the Liris are when catching them.

Methods of killing and dressing

ing them.

Methods of killing and dressing turkeys are the same as that used in the case of chickens, ducks and geeso. They should always be dry plucked.

Poultry Practice in B. C.

S. G. Hanson, Nanaimo Co., B.C. S. G. Hanson, Naturino Coi, B.C.
The type of poultry house we use in
British Columbia is seven feet six
inches high in front, four feet at the
back and nine feet wide. The house is
built of 1 by 12 sized lumber, and the
back hole and sides are covered with back and nine rect wide. Ine house is built of 1 by 12 sized lumber, and the built of 1 by 12 sized lumber, and the roof, back and sides are covered with a good reofing paper. Partitions divide the house into ten foot sections. A dropping board two feet wide with a single perch is at the back. The board floor is covered with frur inches of earth and six inches of straw. A form of the foot of the foo

ered from inside the nouse. The front of the building is covered with one inch netting.

One acre provides yard room for 400 hens. The house for this number of hens is 180 feet long with half an acre in front and one-half at the Lack. The north yards are used in summer and the south yards in windowed with wheat, rape, kale or the south of the south yards and week with wheat, rape, kale or the south of the south yards and the south yards in which will be southed the south yards are always to the south yards and year for the yards are about eight inches high the birds are about eight inches high the birds are about eight inches high the birds are south of the yards are about eight inches high the birds are the cropping will keep the yards aweet indefinitely.

POULTRY YARD Short all over. In summer these houses are very cool. The sun is then high and the hood makes an excellent shade.

FEEDING METHODS

In winter the birds are fed a mix-ture of half wheat, quarter oats, and quarter barley or eracked corn in the morning. They have a dry mash in bexes all the time. Large boxes are made so that once a week is as often as is necessary to feed this mash. This mathod of feating being a great say. as is necessary to feed this mash. This method of feeding being a great sav-

ing of labor.
That this class of house and this ing of tanor.

That this class of house and this method of feeding is satisfactory in this climate is proved by the prefits from a flock of pullets hatched in 1909. Two hundred of them were hatched in June; some as late as June 20. Four hundred and two S. C White Leghorn pullets fed and housed as secribed, laid in January, 1910, 7616 securibed, laid in January, 1910, 7616 sepan and in February, 7310 eggs. Flower of the property of the property of the laid 37,892 and the property of the cost of feeding for the same period was \$211.05, leaving a profit of \$808.70, on one acre of land, or \$2.00 a bird for 151 days.

days.

We have established an egg collecting station and have no difficulty in getting five cents premium over highest market prices, frequency for the prices market prices, frequency for high statement of the prices and the prices frequency for high statement of the prices of the prices from the prices of th

Cooperative Fattening

M. A. Jull, Poultry Expert, B.C.
t The crammer for fattening purposes
is used very little in British Columbia. Its use depends largely upon a
specialized industry, specialization in
turn depending to a large extent
methods of fattent of the turn of the crammer in finishing off the ross tree crammer in finishing off the ross tree with
mig from 3½ to 4½ or 5 lbs., weight
sufficiently realized by the average
sufficiently realized by the average
farmer. On the other hand, it would
not pay the average poultryman to
buy a crammer to finish up what rew
fowls he may have to fatten. So
fowls he may have to fatten. So
fowls he may have to fatten. So
fowls he may have to the pay the service of the
poultry and to leave that part of
the business in the hands of an expert. M. A. Jull, Poultry Expert, B.C.

Largest profits will be realized when the farmer is in a position to deliver this growing stock to the fattening stations are they will be finished to for him. The first value of the crammar that the greatest value of the crammar and the many fattening stations and commany fattening stations and commany fattening stations and comman command the state of the state of

Stock for a Large Plant

the birds are turned in. They will then not be able to keep the green turned flown. The given and croping will keep the yards sweet indefinitely.

The houses are cleaned once a week and fresh earth put on the dropping boards. The houses are well disinfected with a strong disinfectant two or three times in a summer. In winfected with a strong disinfectant two or three times in a summer. In winfected with a strong disinfectant two or three times in a summer. In winfected with a strong disinfectant two or three times in a summer. In winfected with a strong disinfectant two diversity of the strong distinct of the str

Gunn, the manager, authorized the buying agent of the above firms to procure for him a sufficiently large quantity for him a sufficiently large quantity for him a sufficiently large quantity in the services of a poultry experience of the services of a poultry experience of the services of a poultry experience of the poultry experience of the poultry division of the Dunrolin Farm in readiness to receive the poultry, the arrival of which marks the commencement of a new era in the commencement of a new era in the three three poultry.

Our Legal Adviser

A LINE FENCE QUESTION.—A is a tenant. B and C live on adjoining farms. B
and C live on adjoining farms. B
and C live on adjoining farms. B
and C live on adjoining farms. B
and the call of the control of the control
and the call of the control
and the landlor promised to build the
line fence, which would furnish a full procattle one control
and the landlor promised to build the
line fence, which would furnish a full procattle one control
and the control

before and after the line rence was outlifed. B. Micheless Co., Ont.

1. The damage first sustained was due to the fact that a proper loundary fence did not exist between the lands you rented, and the land behanging to "C." Under the Line Peaces Act it is the duty of the own-lands of adjoining property to maintain the lands which was a superstant of the lands of the

2. The right to damages in the 2. The right to damages in the second case depends upon the question whether the fuce, which had then been erected, one. Townships have the assistion to respect to the second that is a sufficient boundary fence. If the fence which your landlord constructed

complies with the requirements of the by-law, and nevertheless a neighbor's cattle broke through you are entitled to compensation, but not otherwise. 3. If you had a binding contract with your landlord that he would have a proper fence constructed, and he did not do so, you would have a right to look to him to recever such reasonable damages as you suffered reasonable damages as you suffered by reason of his treach of contract.

Indictments against a dozen indi-vidual packers were returned recently by the Federal Grand Jury, Chicago. The packers were charged with vio-lation of the Sherman Anti-Trust Law in organizing an alleged com-bination in restraint of trade.

Renew your subscription now.

FARM FOR SALE

In Sophiashurg. Prince Edward County, Ontario. 200 acres. In highest state of enitivation; 200 acres. In highest state of failfai: about 20 in At order with fall with a 200 apple trees bearing; large, farst class. 200 apple trees bearing; large, farst class and acres. It cannot be considered to the consideration of the consider

E. M. YOUNG, PICTON or WELLINGTON BOULTER, Progrietor, DEMORESTVILLE

WHITE WYANDOTTE COCKERELS Fine blocky birds, \$2 and \$3. Also R. C Brown Leghorn cockerels, \$1.50 each.

ALEX. FRASER, Merivale, Ont. ELM GROVE FARM

FOR SALE — A few good Cockerels, of the following breeds: Rose Comb Brown Leghorns, Single Comb White Leghorns, Single Comb Black Minorcas, Barred Rucks, at \$2.00 cach.

J. H. RUTHERFORD, Box 62, Caledon E., Ont.

FOR SALE AND WANT ADVERTISING

TWO CENTS A WORD CASH WITH OPDER PURE BRED FOWLS GIVEN AWAY FREE in return for new yearly subscriptions to Farm and Dairy. A club of four new subscribers will bring you a pair of purebred standard fowls. Write Circulation Manager, Farm and Dairy, Peterboro.

PURE BRED Rose Comb White Wyandotte Cockerels, one dollar each.—G. H. Hunter, Peterboro, Ont.

FIRST ANNUAL Toronto Fat Stock Show

Union Stock Yards TORONTO

Mon. and Tues., Dec. 12 & 13, 1910

\$1,100.00 IN CASH PRIZES

Entry Free. Entries close December 1st, 1910 For Premium List, Entry Blanks and any further information

apply to J. H. ASHCRAFT, Jr.

UNION STOCK YARDS - TORONTO

Reduced Rates on all Railroads

AND RURAL HOME

Published by The Rural Publishing Compeny, Limited.



I. FARM AND DAIRY is published every Thursday. It is the official organ of the British Columbia, Manitoba, Eastern and Western Onterio, and Bedfed District, Quebec, Dairymen's Associations, and of the Canadian Holstein, Ayrshire, and Jer-say Cattle Recoders' Associations, and Jer-

ey Cattle Breeders' Associations.

2. SUBSCRIPTION PRICE, \$1.00 a year tricity in advance. Great Britain, \$1.20 a.

2. Subscription price, except Canada and Great Britain, add \$50 for postage. Arear's subscription free for a club of two less subscription free for a club of two less subscriptions.

near's subscription free for a club of two new subscribes.

3. REMITTANCES should be made by the subscription of two files of the subscription of

CIRCULATION STATEMENT

The paid subscriptions to Farm and Dairy exceed \$4,00. The actual circulation of each issue, including copies of the open of the paid of t

OUR PROTECTIVE POLICY

OUR PROTECTIVE POLICY

We want the renders of Farm and Dairy
to feel that they can deal with our adtype of the property of t

FARM AND DAIRY PETERBORO, ONT.

PEAT BOGS HAVE VALUE

Since there are vast areas of box land in Ontario that heretofore have been of little or no value and have been a source of expense in the matter of maintaining roads and ditches through them, the experimental work, cenducted by the Mines Department, at Alfred, a few miles east of Ottawa, and which has proved a great success is of far reaching significance. Many attempts have been made before in this country to find a way of treating peat that would enable it to compete with ccal as fuel but without success. Now a method has been demonstrated by means of which peat fuel can be placed on the market at a profit and an immense field has been opened up for commercial exploitation in developing the large peat deposits of Canada.

Peat fuel is no new thing. About 10,000,000 tons of it are yearly pro-

FARM AND DAIRY the largest producer of peat fuel. Her cities are so tad as to be unfit for output in 1902 was 4,000,000 tons and this has increased 200,000 tons a year since then. Machine peat is now made in 1,300 plants in Russia.

That peat can be manufactured and placed on the market so as to successfully compete with coal as fuel is most welcome news. Now that the timber of this country, especially in the older settled districts, is becoming scarcer as the years go by and constantly increasing in price, and in view of the fact that coal in recent years is becoming higher and higher in price, it is most interesting to learn of an industry being developed that will provide a new fuel and which will make valuable vast areas of bog land heretofore practically useless.

PROBLEMS IN PLOWING

When it comes to plowing in these days of scarce and high priced labor. we need to adopt practice in plowing that is justified by results rather than by prejudice or blind clinging to practice of by-gone days. The day of the single-furrowed plcw, save for special work, is rapidly becoming a thing of the past on the larger and also on the average Ontario farm. Narrow ridges, once so popular and always the pride of the good plowman, are becoming less and less common as land is more thoroughly underdrained and the relative merits of wider ridges are becoming understood and appreciated. Every farmer who plows an acre of land will find the article on page three of this issue especially interesting. Farm and Dairy readers are advised to ponder well its teaching.

slip-shod plowing of any kind. Good plowing is to be commended, and it is an asset to any farm in more ways than one. But with quality in plowing we must needs have quantity, and the single-furrowed plow which can turn its acre and a half or two acres daily must rapidly give way before the twc-furrowed plows turning three acres, four acres and even more per day, with the same expense for manual labor and very little additional for horse power.

Farm and Dairy holds no brief for

Wider ridges than are commonly plowed in some sections are a neceswith the twc-furrowed plows and the larger outfits. It is a satisfaction to note in this connection that the wider ridges, excepting special cases, have the advantage even to the amount of bank interest-three per cent, on the investment, valuing land at \$100 an acre, in favor of 18 foot ridges as against ridges plewed nine feet wide. A still greater difference is in favor of even wider ridges as may be learned from study ing the table on page three.

WOULD MAKE IT CRIMINAL

The resolution recently sent by the Produce Section of the Toronto Board of Trade to Hon. Sydney Fisher, Minister of Agriculture, asking that the selling of retten eggs be made a criminal offence, brings that important problem of marketing eggs prominently to the front again. That 15 duced in Europe. Russia has been per cent, of the eggs shipped into our help.

use means a great inconvenience to wholesale dealers. The financial loss however, is eventually divided up between producer and consumer. The dealer knows what percentage of bad eggs to expect and sets accordingly the price that he will pay. The solution of this problem therefore would be of great value to producers and consumers

It is unfair to attribute the whole blame for the large number of rotten eggs to the farmer and pcultry-man. The system of marketing eggs is at fault. To make the selling of bad eggs a criminal offence might help to lessen the number of eggs that leave the farm in a stale condition but it will have no effect whatever in decreasing the number that spoil in the hands of the middlemen.

Eggs frequently pass through the hands of four or five middle-men and in some cases it is several weeks before they reach consumers. In the hands 'of middlemen eggs are not always kept under ideal conditions and many spoil in consequence.

The bad egg problem can be solved only by completely changing our present system of marketing eggs. The encouragement of a rapid formation of poultry circles similar to those that have been formed in several counties of Ontaric during the last few months would do much to solve this problem. Money can be spent to great advantage in encouraging the rapid formtion of these poultry circles.

EMPLOY HIRED MEN STEADILY

The ideas brought out in the article "The Farm Help Problem" elsewhere in this issue should be noted by every employer of farm labor in this country. Mr. Barnes, of the Extension Service of the Minnesota State College, puts his finger on a vital side of the question concerning the farmer's help. Farm and Dairy readers will be well advised to read his article and to treat hired help accordingly if they would solve to a greater extent their farm labor problem.

Ere long thousands of men throughout the country who have been employed on farms for seven or eight months will be set adrift without a job. Many of these men will seek employment in cities, towns and villages where they will find work, and a large percentage of these will be lost ever more to the farm. Good hired help is worthy of any reasonable consideration, and a good hired man is worth retaining.

Rather than allow a hired man of value who has worked well for seven or eight months to drift away, it would be much better to provide work and retain his services for 12 months of the year upon the farm. A comfortable cottage that is a real home for the hired man solves many of the domestic problems as well as the hired help problem on the average farm. A home and steady employment with fair wages appeals to the average man; far-sighted progressive farmers of tc-day recognize this fact and provide these things for their

A TAX ON INDUSTRY

It is absurd to heap taxes upon a man because his property is increasing in value when the increased value results from improvements that are the result of his own industry and business ability. Such a system tends to discourage all enterprise. The evil effects of our present system of taxation are demonstrated in the case of

a Peterboro County farmer whose shabby and broken down piggery is a disgrace to himself and takes much from the attractiveness of the pleasant country road on which he lives. "Oh, yes, I know my piggery does net look very well", he said to one of his neighbors who was speaking to him about the disgraceful structure, "but then you see, if I built a new one, my taxes will go right up. The old piggery is just as satisfactory as a new one would be so far as housing the pigs is concerned and there is no danger of them raising the taxes on me when the old building is still there'

The sentiment expressed by this Peterboro farmer is felt quite commonly by farmers generally. If they are progressive and improve their properties, their taxes go up and they are really forced to pay part of the taxes of their less progressive neighbors who are allowing their farms to become run down and are of no use to the communities in which they live.

When the proposal that land only be taxed was brought before Premier Whitney by the Single Tax Association of Ontaric, the members of the delegation were told that they did not know what they were talking about. But they did know what they were talking about. A system of taxation which is a hindrance to all industry is out of date and must go. The single tax should have the support of every pregressive farmer in Canada.

POORLY BOXED CHEESE

There is a great tendency to reduce expenses in the packing of cheese by using poor boxes, whch do not afford the cheese sufficient protection. J. E. Rae, Canadian Trade Commissioner at St. Johns, Newfoundland, has called the attention of the Dominion Department of Trade and Commerce to a very discreditable shipment of cheese which arrived in Newfoundland recently from Canada. Some of the boxes had been partly broken open and some of the cheese had been eaten by rats on board ship. The packing he stated was for the most part responsible. The wood, instead or being of the regulation thickness was so thin that it could be penetrated with a pen knife.

This is not the first complaint that has been made on the poor qualit," of boxes used in packing Canadian cheese. Reports quite frequently have come from the Old Country of boxes arriving in very poor condition, many being broken completely open. Canadian cheese now has to meet much stronger competition than ever before. The imports of cheese from New Zealand into Great Britain have increased to such an extent that in eight months ending August 1910, that country shipped to the British market almost one-half as much as Canto save cheese. Tow It is

States 1

the pric

ada.

it is ve

er pre

market

possible

te prov

would

greater

would o

folly to

creased to the 1 troit, a be notic the deal his good prices p that the in the terms w the Russ wheat grand wear of clothe Why s Canada must pay sell to protects me your than you

States, b

market?"

(Far The exi mer mon over, and have been the number products , howeve that the prominent flam artis been more and as a r hibits ther en have en have People has fairs, other stand with an ex apparently The cure

ation is is because the more country ne that farme At best

flim-flamme knick-knacl ne words a We have s bought in store for 10 a dollar fo had no in When peop erior to the to listen to flammer, the disappear

Renew yo

RY ada. In the face of this competition, s upon a it is very necessary that we take propincreasing er precautions to put cheese on the value re market in the very best condition t are the possible. The extra expense necessary and busite provide strong boxes for all cheese tends to would be more than returned in the greater satisfaction which our cheese n of taxwould give to importers. It would be ne case of folly to endanger our market in order er whese to save a few dellars in the boxing of iggery is kes much the plea-

, 1910.

he lives

ery does d to one speaking

ul struc I built a ight up.

isfactory as housthere is he taxes

g is still

by this

If they

and they t of the

e neigh-

arms to o use to

y live.

nd only Premier

Associa-

of the

did not about.

y were axation

ndustry

. The port of nada.

ent of ndland of the open eater

acking

rt res being as so

ualit, 199 adian

y have boxes many Can much efore Zea creas eight that

mar-Can-

E reduce eese by afford J. E ssioner as callon Deerce to

Town Views on Reciprocity

(The "Globe," Toronto)

(The "Globe," Toronto)

It is asserted that if the United States market becemes available duty free for our surplus of farm products the price of butter and eggs and poultry and meat will inevitably be increased in the Canadian border cities to the level of prices in Buffalo, Detroit, and elsewhere. This, it will be noticed, is a confession that the Farmer has been getting the werst of the deal. He has been forced to buy his goods in a protected market at Armer has been getting the strength of the products of his farm that the market cannot absorb in the products of the world, where he must consider the world, where he must consider the brown the torontone the products of the world, where he must consider the brown the true world. When the products of the world, where he must consider the brown the torontone the products of the world, where he must consider the brown the torontone the brown the torontone the products of the world, where he must consider the brown the brown the products of the world, where he must consider the brown the brown the products of the world, where any other than the brown the products of the world, where the must consider the brown the brown the products of the world, where he must consider the brown that the world that the world the brown the products of the world the p

and wears cotton lein cloth in lieu of clothes.

Why should the town dweller in of clothes.

Why should the farmer, "You must pay ne high prises for what I sell to you because the tariff wair protects my goods, sell to we price that you could get in the sell to you could get in the sell to you can be sell to the sell

Scum at Fairs (Farm and Ranch Review)

(Farm and Hanch Review)

The exhibition season for the summer months in Avestern Canada is over, and as a general thing the fair's have been quite successful, judged by the number of exhibitions of agricultural products and the attendance. There is, however, good ground for regreathat the fakir element as the been so prominent. At some far the been so prominent and the same far and the same a

The cure for the disgraceful situ-

The cure for the disgraceful situation is in keeping away from the side shows. These places operate only because they are patronized and what is more uncomplimentary to the country people, the side-shows claim that farmers are their best patrons. The side-shows that farmers when the side-show is an expensive cutch when the side-show is side-show in the side-show is a side-show in the side-show in the side-show is and the side-show and to busy the side-show and too busy to the side-shows and too busy to the side-shows and too busy is side-show in the side-shows and too busy the side-show is side-shows and too busy the side-shows and the side-shows and the side-shows are side-shows and the side-shows and the side-shows are side-shows are side-shows and the side-shows are side-shows and the side-shows are side-shows are side-shows are side-shows are side-shows and the side-shows are side-shows are side-shows and the side-shows are side-shows are side-shows are side-shows and the side-shows are side-shows are side-shows are side-shows and the side-shows are side-shows are side-shows are sidedisappear

Renew your subscription now.

Farm Help Problem

C. R. Barnes, Extension Service, Minn.

The endeavor to introduce upon our farms, and upon our larger areas, those intensive methods of cultivation which afford the only sure means tion which afford the only sure means of bringing preduction up to the higher level attained on the farms of anny European and some Asiatic countries, finds itself everywhere hin-dered, and often entirely blocked, by the absence of efficient farm labor. Says a writer in the Farmers' Insti-tute Annual:

Says a writer in the Farmers' instititle Annual:

"Talk as you may of better tillage,
of better fertilization, of rotation of
of better fertilization, of rotation of
orops, and of the larger net profits
per acre to every tiller of the soil, if
he would adopt these improved
methods of farming; if you cannet
show the average farmer where he
can get competent labor at somewhere
near fair wages, he is going to turn
a tend ear to all your pleadings for
altor cannet. For efficient farm
labor cannet be bought, cannot be hired, cannot be bought, cannot be hired, cannot method for."

It remains to however, that in
other countries the lowever, that in
other countries the lowever, that in
other countries the formal solutions of
a known truth that thousands upon
thousands of competent farm laborers

a known truth that thousands upon thousands of competent farm laborers—many of them the best in *ue—many of them the best in *ue—many of them the best in *ue—so world—annually leave those countries to seek new homes in the United States. The anomaly is then presented of a constant stream of labor of the kind desired, pouring across the Atlantic and Icsing itself in a great lantic and Icsing itself in a great volume of similar labor already here, while the landewners who need it are able to get of it little or none!

SOMETHING WRONG

Something wrong.

Evidently there is something wrong in the manner in which our farmers have appreached the problem. May it not be that it has been approached too exclusively from the standpoint of the farmer's selfish desires, with too little consideration for the interest of either the laborer or the community at large?

Let the writer of the paragraph above quoted—let the average farmer, anywhere, who utters a similar complaint, ask himself: "What have I done to make life on my farm so attractive to the laborers whem I three now and then, that they should wish to remain with me all the year 'round?" The effort has usually been merely to get as much work out of the laborer as nearly the laborer. round? The effort has usually been more of the later as possible during his stay, and of make his stay as brief as possible during his stay, and of make his stay as brief as possible during his stay, and of make his stay as brief as possible the later of the later

Tarmer, should live alone.

A PRACTICAL SOLUTION

To the writer, it has appeared that the only practical solution of this problem lies in a radical change in the method of dealing with far morkers, so far as it concerns the home and family life. The married laborer should be given the proference, and he should be previded with a cottage of his own; with a piece of land, one to five acres, which he may cultivate for his own benefit, and of which he should be offered an opportunity to become the owner. The

Easy Street That's where most everyone wants off. A De Laval Cream Separator WILL TAKE YOU THERE 1,000,000 SOLD Send for Free Book THE DE LAVAL SEPARATOR 173-177 William St. MONTREAL WINNIPEG VANCOUVER

Miss M. Trevenow, Peel Co., Ont.

Bee-keeping may be looked upon as a healthy occupation for women in comparison with many of the avocations to which she is called wherein exercise, fresh air and sunshine are denied her. It is true, there will be denied her. It is true, there will be a sun-any the state of the sun, agravate to take, through the service she is forced to take, through the same the service of the second to take, through the service she is forced to take, through the she is the service of the servi

idea could be extended so as to include the settlement, on similar tracts, of enough laborers, with their families, to supply all the needs of the farm in busy seasons. The necessary investment in each cottage, so provided, would not be large, and the possession of a little "home of his will be a laborer, would go farm in busy seasons. The nomadism which is to-day suffor the nomadism which is to-day suffor the nomadism which is to-day suffor the nomadism of the industrial situation on the farm.

Bee Keeping for Women.

Miss M. Trevenow, Peel Co., Ont.
Bee-keeping may be looked upon as a healthy occupation for women in comparison with many of the avocations to which she is called wherein exercise, fresh air and sunshine are denied her. It is true, there will be times when the humidity of the air and the intense heat of the sun, aggravated by the exercises he is forced weether conditioned upon the color of the color

Patrons Prefer Creamery*

A. H. Halls, Garretson, S. D.

One of the main reasons why my One of the main reasons why my patrons prefer the creamery to other markets is that some years ago the creamery was closed on account of the patrons thinking that they could get more money for their cream by selling to outside concerns. For a while they did receive more money; that after the creamery closed it be. while they did receive more money; but after the creamery closed it be-came a different song. They did not get as much money for their cream as before the creamery closed. They kept on selling their cream, however,

*Part of an address at the National Creamery Buttermakers' Convention, Chi-cago, October 25, 1910.

FOR SALE

CHOP MILL AND CRAIN ELEVATOR

With profitable side line, in good live vil-lage, surrounded by excellent farming disict. Good chopping trade, and very large rain business. Small investment. Apply

"EASTERN ONTARIO"

FOR SALE

3 Alpha De Laval Turbine Separators Just returned from factory, all doing first class work. Change in system puts them out of use. 8250.00 F.O.B., Toronto.

City Dairy Co., Ltd., TORONTO, ONT.

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

CHEESEMAKERS AND BUTTERMAKERS can find profitable employment during the winter months by working for Farm the winter months by working for Farm and Dairy. Exclusive territory given reliable and hustling men. Write for full particulars to Circulation Manager, Farm and Dairy, Peterboro, Ont.

FOR SALE — Creamery in Ontario; up-to-date plant; output, 140,000 pounds butter. Buns year round. Address Box L. Parm

FOR SALE—Iron Pipe, Pulleys, Belting, Rails, Chain, Wire Fencing, Iron Posts, etc., all sizes, very cheap. Send for list, stating what you want. The Imperial Waste and Metal Co., Queen Street, Montreal.

FOR SALE-Cheese factory in Western On-OR SALE—Cheese factory in Western on-tario in fair state of repair. Good loca-tion and an abundance of good water. Good drainage. 90 tons. Good reasons for selling. Address Box D., Farm and

reading and study.

money for you.

Increase Your Income

By spending part of the long evenings of the fall and winter in

agriculture, including dairying, soil culture, horticulture and

breeding and raising poultry and live stock, can be had for a small cash outlay. These books are written by experts. Suggestions contained in them, if carefully followed, will mean more

A List of these books, with prices, can be had for ne asking Address: BOOK DEPARTMENT,

Farm and Dairy, Peterborough, Ont.

Interesting and instructive books dealing with all phases of

We had pretty still competition the first year. Most of the cutside con-cerns commenced to offer the farmers around here such big prices for their cream that some of them were slow cream that some of them were slow in commencing to sell to the cream-ery. After trying shipping part of the cream, and selling part to the treamery, they found out that a high sounding price did not always bring the most money. The patrons, there-fore, with possibly one or two ex-ceptions, and I have over 100 cf them, have preferred the creamery ever since.

SAFER AT THE CREAMERY

Another reason for preferring the creamery is that during the busy season especially, the men do not have time to haul cream, but send the women and children. They feel a good deal safer in coming to the creamery where they knew they will get a chance to deliver their cream at once instead of waiting around a husy denot, where horses usually are waiting around a horses usually are isy depot, where horses usually are y, or at a store where the merchant ally gives but little attention to cream business. I always try to distantly gives but there are not the cream business. I always try to make the patrons feel at home when they come to the creamery, and also to be as accommodating as pos-

In selling their cream to the local creamery my patrons know that they get every cent that there is in it. After expenses are taken out nobedy is soing to make a big profit out of their cream. If there is anything left over at the end of the year they will get it themselves, or spend it in improving their own property, instead of feeding some rich outsider. The officers of the creamery are well liked and responsible men, they work hard for the creamery, and patrons are sure of a square deal when they sell their cream to us. In selling their cream to the local sell their cream to us.

Comments on Cream Testing

Prof. H. H. Dean, O.A.C., Guelph We have no data dealing with the comparative weights of sour and sweet cream, but so far as I can see, both sweet and sour cream should be both sweet and sour cream should be the same weight per cubic centimeter -18.072 c. c. of 30 per cent. cream will weigh 18 grams; 18.633 c. c. of 40 per cent. cream are required to weigh 18 grams. The weight of 18. c. c. of sour cream testing 30 cent. fat is 17.928 grams and of per cent. is 17.388 grams.

per cent. is 17.388 grams.

Regarding duplicate tests in cream, as a rule, I should say, it is not necessary. If for any reason the operator thinks that the test is not correct then it should be duplicated. In our own creamery, the rule is, if the test of the present month varies more than 1 ner cost. Trum the lest. more than 1 per cent. from the test

ed product of their business. have to depend, however, for raw material on a source over which they material en a source over which they have practically no control. The greatest publicity possible that will enhance the supply of raw material should be the policy adopted. If you wish to wake up a man touch his pocket; if you wish to secure his atention show him how to increase his

A wide field, and a useful one, for A wide field, and a useful one, for creamery men to investigate in order to bring success to the local cream-ery, is to bring to the attention of the farming community the great ad-vantage of securing the best dairy cows. That one man will sell the pro-duct of a head of cows at most yrift. cows. That one man will sent the pro-duct of a herd of cows at good profit, while another sells the product of his herd at no profit, or at a loss, will immediately attract attention among dairy patrons, if called to their not-ice, and will result in inquiry and inwestigation. I have yet to find that man who will not secure better re-turns from his investment and labor when the means of so doing are clearshown him

local A local creamery operator who makes it a point to keep a record of the number and quality of cews beto patrons contributing contributing cream, and can show the net result in dollars and cents for the season, or any given time, with publication of the same placed in the hands of all patrons, will de more to encourage good dairy herds, and weeding out of inferior cows, than can be accomplished in any other way.

Publish everything pertaining increased production of cream. Increased production of cream. In-cite healthy competition among your patrons by published comparative yields of cream made by different dairy herds, and your supply of cream will increase, with no increase in number of cows willbul. in number of cows milked. Publish facts and fig ures to attract attention. It will in-crease your business. Make a good grade of butter, and let the buying world know it, and you will increase your market.

Shipping Cream Pays

C. A. Westover, Missisquoi Co., Que. A Prominent feature of the dairy industry in Canada this year is the adaptment of cream from Canadian father than the continuous con

answer such a question in the affirmative as we are receiving about two and a half cents more, net, per lh of butter than we would get for it if made and sold at home. No butter-milk is returned to the creamery patrons, but to offset this loss there is less friction between buyer and seller regarding quality, prices, cuts, and so forth. Most aleasemen count that lack of friction quite a gain.

The only cause for alarm about

Creamery Department
Butter makers are invited to send contributions to this department, to ask quasiand to sugar conduct their own
business and start the local creamery.

Address istlar to Creamery Department.

C. Kruempel, La Moure, N.D.
Local creamery.

Local creamery Department.

We had protty stiff competition the

ad product of Photo huntons.

That is correct.

The two camery Department is swhat may be called the uncertainty of cream curtails the expect of the previous month then a duplities to creamer shipping; that I can see
is what may be called the uncertainty of
the decident of a superment of the previous month then a duplities to creamer when the can be previous month then a duplities to creamer when the can be previous month then a duplities to creamer.

Full Creameries*

C. Kruempel, La Moure, N.D.
Local creamery.

Local creamery.

Local creamery.

That two the tributions to the form of the previous month then a duplities to creamer when the can be previous month then a duplities to creamer.

The demand for
creame curtails the expect of the previous month then a duplities to creamer.

The demand for
creamer curtails the expect of the previous month then a duplities to creamer.

The demand for
creamer curtails the expect of the previous month then a duplities to creamer.

The demand for
creamer curtails the expect of the previous month then a duplities to creamer.

The demand for
creamer curtails the expect of the previous month then a duplities to creamer.

The demand for
creamer curtails the expect of the previous month then a duplities to creamer.

The demand for
creamer curtails the can be a supplied to the previous month then a duplities to creamer.

The demand for
creamer curtails the can be a supplied to the previous month then a duplities to creamer.

The demand f te Great Britain to such an extent that we practically lose that market, and then a change is made in the tariff prohibiting the import of cream to the United States, we shall be left to the United States, we shall be left butter that we may have to sell. I do not believe we need lose any skep werrying over this question, however, because the demand is go-ing to be so great that it will take sleep werrying over this question, however, because the demanders is going to be so great that it ill take the United States dairy time to produce cream, milk and butter, in sufficient quantities to supply a large and rapidly increasing population living in a country that has about reached the limit of production under present conditions.

Attend the Dairy School

As the winter season of 1911 approaches, we desire te call the attention of cheesemakers and buttermakers and advantage of a course of instruction and study at the Dairy Schools. Nover was it so necessary for factory and creamery managers to be thoroughly posted in all the details of management and the manufacturing process. According to the facturing process. facturing process. According to the law recently passed by the legislature of Ontario, it becomes absolutely ne-cessar beginning with January, 1911, for all factory and creamery nanagers to have certificates of According to the qualification.

qualification.

Makers who have demonstrated their ability as manufacturers of these or butter who be given a "Certificate" by the Minester of Agriculture, on or before Jore of Agriculture, on the Agriculture, of the Agriculture, of the Agriculture, or before of Agriculture, or before of Agriculture, or of the Agriculture, or of Agricultur pared to grant certificational ability who have shown exceptional ability as assistants without requiring them who have shown exceptional ability as assistants without requiring them to take a Dairy School course, their to take a Dairy School course, their chance for a Certificate will be much better by taking instruction, even for a short time, at one of the Dairy Schools. All who have not had full charge of inectory prior to January 1911, will be required to be qualified to test mild be granted.

fied to test milk by the Babcock method before Certificates will be granted.

Note that the state of the stat one year's experience and have taken a satisfactory standing at a dairy school may be gen authority by the superintendent of subsol concerned to take charge of subsol concerned to take charge of the concerned and the superintendent concerned and demonstrate their ability as makers, to the representatives or representatives the representative or representatives of the Department, they will be given a regular certificate from the dairy school.

Creamery butter made from Cana-Creamery butter made from Canadian cream is being sold on the markets of the United States as "Specials," which bring the very highest prices, late advices from New York reporting sales of this particular grade of creamery butter at 32c. to 32½c. a lb., while for "firsts" the price dray ac. to 5c. per lb. to 27c. and 28c. and for seconds 25c. to 26c. a lb.

The only cause for alarm about

- Part of an address at the National Creamery Buttermakers' Convention, Chicago, October 23, 1910.

I believe there are more Holstein cows with official records of from 20 to 30 pounds of butter in a week in Leeds Co., Onte, than in all the rest of the province.—G. A. Gilroy, Buell, Out.

Make to this matters suggest letters WI

Editor

tention |

Octo Récés Che

A. Ayer Sept. 22 that ge duce che vided his over the Having in the co and our age in O the large sent pric is that t Minister 62,000 les Ontario t 10 years duction. Our you follows: I figures bu

for cows 8,000 lbs. given \$10 opportuni vest in m get five p \$500 a yearing after i if he has a foundry work. If \$4.00 a da and imple buy a far will feed 2 Ayer's figure cents, which a cwt., or to the you at 5 per co for 365 w man at \$3 pended eac work like a anything a help too.

His incorgiving 8,00 of milk is herd, \$1,20 \$300 worth will be some net many i that will gr pigs and er and the ne steek. At the loser as carry. The fession wher and gets to labor. He an automobiope. He wable as the his father's to keep his his output.
All this is have the her

Job second-has Cans—in use a considerably we Don't care to miles of Toron Price—\$1.00 control City Dairy

the meantin

pound cows.

I can see ncertainty

7, 1910.

question,
ad is gowill take
en some en some and butto supply ng poputhat has roduction

ourse o e Dairy
lecessary
lanagers
all the
e manuto the
dislature
tely neanuary, tes of

ability them

muel even Dairy d full nuary quali-meth-nted. herity even school tions,

helpry or this aken dairy v the for time s to s, to

ular

of butter an extent t market, le in the of cream all be left surplus o sell. I lose any

hool 1911 ape atten

estrated fers of a "Cer-agricul-, 1911. ge of a a pesi-would School agsten. e pre-those

iven airy anaana-nar-Spe-hest York

Cheese Department

Makersare invited to send contributions to this department, to sake questions on the statement of the farmer compared it with the principly income of some of the middle-men who are ground between the profile listwirt for Cheese Maker's Pepartment.

Where are the Profite?

Editor, Farm and Dairy,—My and the consumer and are always giving advice to the farmer to the list output.

Editor, Farm and Dairy,—My and the consumer and are always giving advice to the farmer to the list output.

Who reaps the profit?

Editor, Farm and Dairy,—My and the consumer and are always giving advice to the farmer to the list output.

Who reaps the profit?

Editor, Farm and Dairy,—My and about November to the list output.

Who reaps the profit? Why are producing, cheese all-size who have the average of the Dairsh cows, and shipping to United States in the form of rean? Because we know we have the best food product on the read of the profit from cheese is a made in the counties of Leeds and first made in the profit from cheese is not mearly equalled the counties of Leeds and first made in the counties of Leeds and Having been a milk producer all my life—ever land fornville in the counties of usesse was first made in the counties of useful above the average in Ontario, I know something of the large profit their profit theory of the large profit theory is the large profit the large profit theory is the large profit theory is the large profit the large pro

10 years more will see a greater reduction. Why is it?

Our young men figure somewhat as follows: I will take Mr. Ayer's own figures but I don't think the average for cows in Ontario will ever reach \$,000 lbs. a ccw. If a young man is given \$10,000 he looks around for an opportunity to invest it. He can invest in mortgages that are good and get five per cent. This will give him \$500 a year and no time lost in lecking after it. He can go into town and if he has no trade, get \$2.00 a day in a foundry or factory doing rough work. If he has a trade he can get \$4.00 a day. Or he may invest in a farm of 100 acres, 20 good cows, horses and implements. And \$10,000 won't will farm and stock it—one that will be a s ouy a farm and stock it—one that will feed 20 cows. According to Mr. Ayer's figures with cheese at nine cents, which will hardly give 75 cents a cert., or \$15 a ton for milk, it looks to the young man like this: \$10.000 to the young man like this: \$10.000 to the young man like \$30.00 to the young man and \$35.00; \$2 a day for \$65 and says \$750; hired and \$35.00; to the last own this and \$35.00; to the last own this wife who has to belp too. help too.

HIS INCOME

His INCOME

His income licks like this,—20 cows giving 8,000 lbs. a cow at \$15 a ton of milk is \$60 cach; for the whole of the second like the necesy, he educates his son for a pro-fession where he does not work so hard and gets ten times the profit for his labor. He (the son) can then afford an automobile and take trips to Eur-ope. He will be almost as comfert-able as the middle man who handles his father's produce and advises him to keep his sons at home and double to under the contract of the contract of the contract to the contract of the contract of the contract of the contract to the contract of the contr

to keep his solis to the future when we have the heavy producing herds. In the meantime we are milking 4,000 pound cows. Mr. Ayer says the Brock-ville district is paying 85 cents a cwt.

The Cheese Situation in Britain

The Cheese Situation in Britain

W. Weddel & Co., London, Eng.
The consumption of cheese in the
United Kingdom, has for many years
shown a steady decrease. The cheapness of frozen and chilled meat has
been one of the chief causes of the
stagnation in the consumption of
cheese, despite the growth of popudieses, despite the growth of the
stagnation in the consumption of
the best
authorities, is estimated of the best
authorities, is estimated of the best
authorities, in control of the conmaining stationary. There are
maining stationary. There are
maining stationary increase in the
volume of home-made cheese, as the
high price obtainable for new milk
to supply the population of large
towns pays better than cheese making.
The import of foreign cheese is not
half what it was 10 years ago, and,
in the year under review, it has fallen
beauf 1909 by 3,555 tons, although the
recased by the control of the conThe import of colonial cheese shows
The import

creased by 6,000 tons.

The import of colonial cheese shows a welcome contrast to that of foreign for the receipts of the year ended June, 1910, shew an increase on 1900 of nSarly 10,000 tons, which is slightly more than the previous record in 1904. Supplies of colonial cheese come mainty from Canada and New Zealand, Up to a few years ago Canada supplied over nine-tenths of cur colonial import, but since 1905 the cheese industry in New Zealand has developed so years ago Canada supplied over nine-tenths of cur colonial import, but since 1905 the cheese industry in New Zealand has developed so same property of the colonial cheese and the colonial to-day store in 1905. New Zealand supplied 4.2 per cent. Of the total import of colonial, to-day she is supplied 4.2 per cent. Of the total import of all kinds of cheese in 1905. New Zealand supplied 3.3 per cent. To-day that has increased to 18.4 per cent.

BAPID IMPROVEMENT IN QUARTY

The quality of colonial cheese and the colonial c

that has increased to 18.4 per cent. to-day that has increased to 18.4 per cent. The quality of colonial cheese gently has made more rapid improvement than that of colonial butter. Canadian year by year shows steady progress without any relapse in flavor, texture and color. The improvement by the application of cool air to the curing rooms, to the cars on the railways, and in the vessels crossing a minimum the quantity arriving a minimum the quantity arriving leated, and probably very little more insprovement can be accomplished in the treatment of cheese after manufacture.

the meantime we are milking 4,000 pound coves. Mr. Ayer says the Brock-ville district is paying 85 cents a cert.

FOR SALE

Some second-hand \$\frac{1}{2}\$ explicitly \$\frac{1}{2}\$ facture. There is however, a field for improvement in the difference that the constant of Canadian Cheedar. The constant of Canadian Cheedar. Whether this can ever be bridged over depends mainly upon one thing. If the Canadian cheese-maker could receive the milk in the same sweet of the constant of the Canadian cheese ought to does, the Canadian cheese ought to be as good as English. It is the diffi-

A Good Price for Milk

In a time when there is so much comment on the price of cheese and farmers are not altogether satisfied with the returns they receive for their milk sent to cheese factories, it is refreshing to note the favorable price which condenseries are able to pay for milk. Some little time ago, one of the best cheese factories in Western Ottario, the St. George factory, was milk with equipment for condensing in the condenseries of the new condensery was confinited with a difficult proposition in finding a market for their manufactured product. The market for condense milk throughout the country was overstocked and the new brand of goods was unknown to the trade.

trade.

The condensing plant at St. George now, however, is entering en an era much more favorable to the management and the patrons. Throughout

much more favorable to the management and the patrons. Throughout the past summer since April 1st, \$1.00 per cwt. of milk, has been paid the patrons for the milk on their own stands. Dating from Nevember 1st, the winter price will be \$1.20 per cwt. on the stand.

Through persistent effort, the proprietors of the condensery, J. Malcolm & Son, have succeeded in placing their business upon a satisfactory focting. The first-class article that they are turning cut is in good demand and they now have orders ahead followereal thousand cases waiting to lowereal thousand cases waiting to that extent where Massra Malcolm & Son are new contemplating a large addition to their plant in order to enable them to handle ther goods to better advantage.—H.

sthers combined. Tubu-lars probably replace more common separa-tors than any one maker of such machines sells. Later than and different from all others. Write for catalog No. 253





Land For The Settler

160 acres of land convenient to Railways in Northern Ontario's great Clay Bels for each settler. The soil is rich and productive and covered with valuable timber. For full information as to terms of sale and homestead regulations, and for special colonization rates to settlers, write to

DONALD SUTHERLAND, Director of Colonisation, Toronto, Ontario.

HON. JAMES S. DUFF, Minister of Agriculture, Toronto, Ontario.

Can be secured during the fall and winter after the pasture is done, by feeding

SUGAR BEET MEAL

This product contains all the Leneficial elements of the Sugar Beet that go to produce health when fed to cattle, and a healthy condition of dairy cows insures a full milk pail at all times.

The popularity of this feed has caused us to advise our customers to order early if they do not wish to be disappointed in securing their winter supply.

SUGAR BEET MEAL is convenient to handle, will keep indefinitely and the $PRICE\ IS\ RIGHT.$

Order to-day through your dealer or write us.

Dominion Sugar Company, Limited WALLACEBURG.



MPLY do the best you know, then trust. He who seeks to live by the Spirit and who cares above all for that, will not be without guidance.

MISS SELINA LUE

MARIA THOMPSON DAVIES

(Continued from last week.)

Miss Selina Lue, generous and tender of heart, keeps the grocery at River Bluff. She feeds the five bables whom she cares for in soop boxes, in the rear of the store. Her friend, Cynthia Page, learns that she has taken a ratte, named Alan Kent, and the store of the ground the store of the s

if the city is one of the guests. Cyntina now loves here.

S Mss Selina Lue softly drew the shutters together to keep out the light. Also and the special solution is supported by the state of the special solution. The special solution is supported by the special solution is supported by the special solution. The special solution is supported by the special solution is supported As Mss Selina Lue softly drew the shutters together to keep out this the wake of Mr. Alan and the bucket of bran through the garden and up to the barn. It is to his credit that he served the aggrieved though complacent old lady before he threw down the bucket and drew Miss Cynhita to him.

the bucket and drew alias Cymun him.

"Tell me," he questioned, "when it happened to you? It was all over for me that first minute when I saw pass to the process of the same that dinner-you didn't laugh!" Miss Cynthia hid her head on his convenient shoulder.

"Ah, but I leved you so I could have..."

Then?"

"Yes then—and before—since the world was young—"
"Moo—moo," said Charity patently for dry bran is not an agreeable breakfast, and the water barrel stood con-

last, and the waver water weeker weeker.

"Do finish feeding the dear thing,"
insisted Miss Cynthia sympathetically, insisted Miss Cynthia sympathetically.
"Then you can walk up the Hill with me. I want to freshen up a little and come right back to watch by Blossom.
She will nead vary particular care tocome right back to watch by Blossom.

She will need very particular central day, and Miss Selina Lice has so much she must do. Oh, what if she hadr't weathered the night. I think my heart would have broken watching her strugtle—if—if you hadn't been there! Will you always be—there—when things hurt—me?"

"Yes," he answered her quietly,

things hurt—mep?" "Yes." he answered her quietly, with a deep look into her eyes. "Now let me take you home, for you are hardly able to stand. Promise me to hardly able to stand. Promise me to hardly able to stand. Promise me to hardly able to stand. I will help Miss Selina Lue, until you can come back." And through the early sunlight he walked up the river path with her to the Hill Mansion and left her at the garden gate among her roses that

the Hill Mansion and left her at the garden gate among her roses that were no fresher or fairer than her-self. She was the incarnation of dawn, and his love encompassed her as the fragrance of her dew-wet

self. She was the incarnation of dawn, and his love encompassed her as the fragrance of her dew-wet flewers.

Below at the grocery, Miss Solina Lue was busy with her preparations for the day, and as she waked she smiled to herself and lightly brished her fingers over the cheek that had felt the twofold kiss.

Seon, however, her pleasant Seon, however, her pleasant thoughts were interrupted by the appropriate the standard of the second of the same as a motive put a death in the family is always and, though somewhits Selina Lue regarded her with astonishment. She was enveloped in the folds of an old black shawl and the folds of an old black shawl and the land she carried a large cross in her hand she carried a large cross.

Their Last Friendly Visit. His Hour is Come. He Does Not Offer Thanks.

fix a design fer everybody. We

is Come. He Dees Not Offer Thanks.

Now, Mrs. Tyne was a person of one idea at a time, and her mind was set on a speech to go with the bias-looking star she tendered Miss Selins Lue, so out it came, regardless of the fact that it was not at all needed.

"Miss Seliny Lue," she said with real and practised emction, "though she have gone from our sight and we must hury her in the c-ol-d, c-ol-d ground, yet let vs look up!" At the ground, yet let vs look up!" At the cold" Mrs. Tyne gave a realistic she are and at she word 'uny' she cast her eyes skyward, though the excast her eyes and the eyes the eyes and the eyes the eyes and the eyes t

the face.

and—"
"Well, I wish I coulder knowed she wasn't a-going to die before I set up all night and wasted the tissueThere come by the before of the come of the country won't they the before I may be the country won't they the proposed! Mary Ellen have got her uprised! Mary Ellen have got her uprised have been dead to be for the set of th

arief.

"All you've got to say, Mr. Dobbs, is how glad you are that my baby is gitting well, and then give your coat to Mary Ellen and my grey your coat to Mary Ellen and my said work, rejoicing fer me, "and be recue of the floundering condeler," How did you all ever git the notion that things went against Blossom last things went against Blossom last

cue of the mountering condense. The did you all ever git the notion that things went against Blossom last things went against Blossom last night? She asked.

"We seen the doctor—and then you closed the front blinds—that's always a sign—and—" answered Mrs. Debbs, swallowing a subserved Mrs. Debbs, awallowing a subserved Mrs. Debbs, awallowing a subserved Mrs. Debbs, awallowing a bout a mistake! And if here ain't all the Tyneses! Mercy Mis' Tyne, Blossom ain't dead nor likely to be, and, please, ma'am, take them black bombazine strips offen the children necks. It's so reugh it'll rub 'em raw."

by a squint caused by the rays of the morning sun striking her full in

the face.
"That's a real comforting thought,
Mis' Tyne, and I am thankful fer the
speech and the star too. Bennie, *********

Thanksgiving

But for wealth of garnered harvest, Fruit of field and bending bough; Bursting bin, and well-filled cellar, Father, we would thank Thee now.

Hand clasps hand in truest kindness, Heart meets heart with inward glow; For the gift of earthly friendships, Father, we would thank Thee now.

honey, run all up and down the street and tell everybody Blossom is a heap better and tile y needn't git ready fer no funeral, 'now, you know there ain't been a death on the Bluff fer four years, since Mr. Si Bradford's me a nice a death on the Bluff for four years, since Mr. Si Bradford's me a nice a death on the Bluff for how you want to have a nice a death on the Bluff for how you want of the work of the state of t

tone that might nave been construed as repreachful.

as repreachful.

I wanter say one thing; and it's that I am glad me and Blossom it's that I am glad me and Blossom while the same in the same in

the Bluir"
Miss Selina Lue's call to duty sent
them all hurrying in different direc-

Miss Selina Lue's call to duty sent them all hurrying in different directions.

Mrs. Dobles was allow in getting started, and as she descended the steps she said: "I de declare I am uneasy about Ethel Masud. I couldn't find her nowheres this was jest so sorrowful about the find her nowheres the find her nowheres the find her nowheres the find her nowheres the dearn the sent of the find her nowheres the dearn the find her nowheres the dearn the find her nowheres the dearn the find her now here the find her now here the find her now her sent find her now her sent find her now her sent find her find he

"Abov life mus view to wife and least as mere dru portant conomiz

Octo

This pho Farm and Peterboro) Bert Prest first prize

as it is to crease the outside th "I have with any excusing n performantion only of The woman housewife, tible creat "But th even mcre fare of th

the real her strong

tiny of the and consid should rece to this ho she shirks age Americ them; and est obligati are perforn make for he the childre world."—T dress to Fa

Buy Farr

DOES JU Six Minut

e rays of per full in

thought, ful fer the Bennie,

harvest, ugh:

cellar, e now. d glow; hips, e now.

***** he street s a heap eady fer

n't been n't been ir years, ied, and s nice a u, Miss ey in a construed

ng; and Blossom we have n 'prec-

eem jest ers and ople are y them funeral corpses ke over mbition Lands o'cleck, hed on

y sent

d the I am uldn't

your hen I day-rouch-thing

aning

past seen laid erself lift-ind I wake rt is while

more ever leeps

cit a

essed fort-

ue,"

ppy

butllor ant >

s I

t'll

The Farmer's Wife

"Above all, the conditions of farm
"Above all, the conditions of farm
life must always be shaped with a
view to the welfare of the farmer's
wife and the farm laborer's wife. To
have the woman-a mere drudge is at
least as bad as to have the man a
mere drudge. It is every whit as important to introduce new machines to
economize her labor within the house



Receiving Congratulations

This photo, snapped by an Editor of Farm and Dairy, at the Norwood, (East Peterboro fair, two weeks ago, shows Mrs. Bert Preston and her driver. She won first prize in the class for lady drivers.

as it is to introduce machinery to in-crease the effectiveness of his labor outside the house.

"I haven't the slightest sympathy with any movement which looks to excusing men and women for the nen-performance-of duty and fixes atten-tion only of, fights and not on duties. The woman who shirks her duty as the work of the state of the contemp-tion of the state of the contemp-tal of the contemp-tion of the contemp-tion of the contemp-th of the contemp-tion of

housewife, as mother, is a contemptible creature.

"But the welfare of the woman is even mere important than the welfare of the man; for the mother is the roal Atlas, who bears aloft in the strong and tender arms the destrong and tender arms the destrong and tender arms the destrong and condense of the strong and tender arms the destrong and condense of the strong and happiness of make for her welfare and happiness of strong the strong that the strong that the strong that the strong that the strong the strong that the

... Buy Farm and Dairy Patterns

DOES A WASHING JUST LIKE PLAY!

Six Minutes to Wash a Tubful!

Laddesl Just see how easy I do a big washing with my 1900 Gravity Washer. I start the tub a subtiling. Then the gravity device under the as eabtiling. Then the gravity device under the property of the property device under the gravity device unde



You can have one shipped FREE

Recipes for publication are requested.
Inquiries regarding cooking, recipes
etc., giadly answered upon recognition
the foundable for foundation of the foundable for foundation of the foundable for foundation of the foundation of

QUICK APPLE VINEGAR.

QUICK APPLE VINEGAR.

Into 1 gal cider put 2 cups molasses and 1 cup liquid yeast. Fill a jug full of the mixture and tie a piece of assoquito netting over the top. Set in a warm place. In 24 hours fermentation will take place, and in 8 or 10 days it will make vinegar.

MOLASSES VINEGAR.

MOLASSES VINEGAR.

The best of vinegar can be made by adding to 1 pt pure molasses 3 or 4 qfs water. Keep in a warm place until the "mother" forms. After it is very sour and the "mother" drops to the bottom, it must have more water and sugar, molasses, or any juice of fruits, as apples, peaches, or prune—all can be utilized for vinegar.

ANISEED CAKES

ANISEED CAEES

The ingredients are 4 eggs, 4 oz sugar, 4 oz flour and 1 tensp ainseed. Beat the eggs and sugar to a froth, add the bruised anised, and then the sifted flour. Drop spoonfuls on a vell-buttered tin, let stand in a cold place several hours, and then bake in an experience of the several hours, and then bake in a condensate ages. a moderate oven.

ORANGE CREAM

Observed that the control of the control of the control of the control of cold water until it is dissolved. Strain the juice of 4 per strin half a cupful of cold of 4 per strin half a cupful of a cupful

PEACH TAPIOCA

This is somewhat different from the ordinary way of serving fruit and farinaceous foods together. Put a large farinaceous foods together. Put a large for speed of tapice at osak in water for speed for the farinary of the f with cream.

PORK, PICKLED.

Mix, and pound fine, 4 ozs. of saltpetre, 1 lb, of coarse sugar, 1 oz. of sals-prunel, 1 oz. of the common salt; sprinke the port it the common salt; sprinke the port it 24 hours; then rule with the salt will pract the pieces tightly in a small, deep tub filling up the spaces with common salt. Large pebbles placed on the pork prevent it from swimming in the pickle, which the salt will produce. If kept from air it will continue very fine two years.

SALTING PORK

SALTING PORK.

Cover the bottom of a barrel with salt an inch deep; put down one layer of pork and the property of pork of por

Cause for a hanksgiving
For who maketh thee te differ from
another? and what hast thou that
thou didst not receive? Now, if thou
did receive it, why dost thou glory,
as if thou hadst not received it? Cor.
4. 7

thou dids not received it? Cor.

did receive it, who dost hou know, as if thou hadst not received it? Cor.

4, 7.

When theu hast eaten and art full, then thou shalt bless the Lord thy God for the good land which he hath so the land of the land of the god for the god land which he hath so the land of the

THE COOK'S CORNER
Recipes for publication are requested, etc., glady sparsing gooking, recipes, etc., glady sparsing gooking, recipes, etc., glady sparsing pooking, recipes,

than we ought to and thus to deceive ourselves.

Let us, therefore, remember these warnings. Let us bear ever in mind that the more we have the more we will have to give an account of some day to God as to how we have used the top the constant of the control of



Learn How the Hamilton Kitchen Cabinet Saves Time, Labor, Health, and Pays for Itself

WRITE today for our free booklet. It tells how the Hamilton Kitchen Cabinet forever does away with Kitchen drudgery, improves the appearance of the Kitchen and saves its own cost many times. The Hamilton combines all the latest and most scientific Kitchen Cabinet features.

we will ship you a Hamilton Kitchen Cabinet subject to your approval. If you are not pleased with it, return it to us at our



HAMILTON KITCHEN CABINET

The HAMILTON INCUBATOR CO., Ltd. HAMILTON, ONTARIO

expense.

WOTICE-WE WANT DEALERS TO MANDLE OUR GOODS IN SOME LOCALITIES

Embroidery Designs

Designs illustrated in this column will be farnished for 10 cents each will be farnished for 10 cents each will confer any special pattern will confer will confer the published as soon as possible after request is received.





534 Design for Embroidering Sprays of Five Sprays and five separate Leaves are given.



A Design for a Braided Border. six inches wide. 1½ yards are included in each pattern.



530 Design for Embroidering the front Round Neck Waist or Over, Blouse. ...

Farm and Dairy Patterns give satisfaction. ...

Renew your subscription now.

How to Carve the Turkey

wings and both legs should be severed from the body at once and allowed to fall neatly on the platter. Then the platter. Then the be drawn along the

be drawn along the Lody, from 2 to 3, making has many satisfies as may be desired, allowing the pieces to rest for the moment carefully on the platter. Then the wings and legs should be unjointed at the middle joint—a process, by the way, which may require some practice.

A piece should be cut from the rear.

some practice.

A piece should be cut from the rear part—figures 1 to 1—tc allow taking out the dressing. The tastes of the guests being consulted concerning the guests being consulted concerning the parts preferred, the meat may then be placed on the waiting plates. In case no choice is named, place a piece of the "dark" and a piece of the "light" meat on the plate. Do not serve the lewer part of the leg unless a must experience.

serve the lewer part of the leg un-less a guest expresses decided prefer-ence for a "drum stick."

The richest, most palatable portions of the turkey—in the order of pre-ference—are the two bits in the small cavaties on the back of the bird, the meat in the "pockets" of the neck and the upper joints of the legs.

. . . Have a Hallowe'en Party

The great game of all Hallowe'en parties is that of looking into the futture of every Hallowe'en party. She must be greesupe, terrible, interesting. Her make up is easy, a bit of burnt cork will make the fine lines in her rake

burnt cork will make fine lines in her face, a ragged old skirt and jacket, a tall cone of black cardboard pin-ned to an old black Fedora hat for a head The torn cover to an old mbrella makes a good cape, as the points look something like bat's wings.

points look something like bat's wings.
The witch the fortune-teller, and
she is not introduced to the company
until after the excitement of the costumes has somewhat subsided. Then
the hostess announces that the witching hou has come and that the old
hag by her art can show to you the
one of your heart.
Preparations for this game will require some time and patience. The

Freparations for this game will re-quire some time and patience. The idea is to have a picture frame ar-ranged behind a curtain in stch a way that a person can stand behind the

that a person can stand behind the curtain when the witch is in front of the curtain. The witch is in front of the curtain was the witch standard the constant of the curtain and the curtain

werd sounds the old witch pronounces in solemn tones;
Bubble, bubble love or hate.
A weary Willie will be your fate.
Then she slowly draws the curtain and reveals a living picture of a larghing hobo. The characters are unlimited for such an entertainment. . . .

House Bulbs for Winter

Any one with a cellar, a dark cool closet, an unused coal house, or any cool dark place, should have a profusion of blooming bulbs for winter. In potting bulbs all that is necessary is a supply of pots. Single bulbs require 4-inch pots, three or more

How to Carve the Turkey
The fork should be inserted firmly in the breast of the fowl, just forward of figure 2. If the whole bird is to be served, both



this, good garden soil will be quite sufficient. Broken charcoal provides drainage and will keep the scil sweet. The choice of bulbs depends upon individual preference. Few flower tovers will purchase any considerable supply of bulbs and not include many of the dazzling white Easter lilies. The handling of this flower is somewhat different from cher bulbs. It requires an ample pot about half full and the place the bulb in the centre and the plant sprouts. Take the plant sprouts. Take the plant sprouts are the care that the plant sprouts are the care that the plant sprouts are the harding with the plant of the light. The best bulbs for manateurs are the narcus and jenquit a five of bulbs may be planted in a five of bulbs may be planted in a five of sinch pot grown in the narrow sill boxes as suggested for tulips and hyacinths.

byacinths.

For planting singly in pots the For planting singly in pots the large trumpet-flowered varieties are exceedingly fine, as they exceedingly fine, as they beautiful flowers well aloft and may be introduced among ferns and other greens with excellent effect and they are the single properties of the dining-table.

... Our New Serial Story

Our New Serial Story

Our readers have been so well pleased with the serial story, "Miss Selina Lue," which the serial story, it was been a considered to the series of th

. . .

Few people seem to know the value of kerosene for burns. If possible, immerse the burned part in kerosene for ten or fifteen minutes; if not, cover it closely for some time with a cotton cloth saturated with kerosene, and you will be surprised how soon the soreness will leave, never to return.



JUST THINK OF IT!

Patterns 10 cents each. Order by n er and size. If for children, give a r adults, give bust measure for wai nd waist measure for skirts. Address rders to the Pattern Department.

CHILD'S DRESS 6799



Bishop dres always pretty for the tiny folk. Sleeves and body portion are cut in one as indicated in one of small views.

The dress is cut in one piece, but the pattern includes a foundation yoke and belt to serve as stays when required.
For the 2 yr. size
will be required 2%
yds. 24 or 27, 2 yds.
36, or 1% yds 44 in.

wide

wide.

The pattern is cut for children of 6 months, 1, 2, and 4 yrs., and will be mailed for 10 ets

CIRCULAR SKIRT 6809



The narrow circu lar skirt is one of the smartest of the sea-son. This one is fitted lar skirt is one of the smartest of the season. This one is fitted by means of one dart at each side, and can be made with or a control of the control of the control of the control is adapted to narrow as well as wide meterials. The back type or with habit style or with habit style or with habit style or with style or with style or coming to all figures. On the control of the co

TUCKED BLOUSE 6804



The shirt waist laid in plaits over the shoulders is becom-ing and greatly in vogue. This model ing and greasy to yogue. This model includes plaits in the back also, that give a tapering effect to the figure, and will be found appropriate for all waisting material.

Material required for medium size is 3½ yds. 21 or 24, 2% yds. 36, or 1½ yds. 44 in. wide.

The pattern is cut for a 34, 36, 38, 40, 42 and 44 in. bust and 10cts

MANNISH SHIRTWAIST 6794



The severe mannish shirtwaist is greatly liked by many women. This one is adapted to silk and flannel, as well as to cotton and linen fabrics. It can be made as illustrated, or without the pock, the severe when the severe with the pock of the severe with the pock. Waterial required yoke.

Material required for medium size is

...

It is true that some houses are sad-It is true that some houses are sad-ly lacking in closets, shelves, cup-boards and storeroom space, but a really neat house-keeper will usually manage to provide places for every-day things, even without such conven-iences having been put in when the house was constructed. **** OUI

PRI

Octo

CARDIO having least preser potatoes, below the early blig will be li 25c. to 30c oats, 36c. lambs, 41/2 is good (81.25 a baprices and is fairly war week feed for s ter.—H. P.

LITTLE fine fall fairly good but will be were a good, J. M. SUSSEX.

The exce tors of the point of att fair day is

extra good t growing mor increased. A tion of turni

CON COMPTON having good Many spring Most farmer It turned out root crops ar dry for plow ing sulky p plow more a a walking plo being 10 cents 20 cents to 25 doz.; chicken H. G. C.

HALL'S GL will stand us in fact were would be say which say the say which say the say grain was seed grain was seed grain was seed grain was seed the say the say which say the say mers were the first were no dairy cows, we We have a fr managed to go even though i The storm wa will, since the and other fe and these are fall back on-PET

ON CHAPMAN, finished. The A number of and filled this cases has been The new silos SAAAAA moo

1910.

by num-give age; r waists, ldress all t. ******

iresses are
tty for the
sliceves and
on are cut
indicated
nall views.
is cut in
but the
scludes a yoke and e as stays red. 2 yr. size quired 2% 27, 2 yds. rds 44 in.

ren of 6

ow circu one of the the sea-te is fitted one dart and can with or seam at o that it o narrow wide me-ne back shed in or with aits so rt is be-l figures. size is ls. 44, or . 26, 28, mailed

aist laid fer the becomntly in model ts in o, that g effect e, and approwaist-

equired te is 3½ 2% yds. 44 in. is cut, 40, 42 st and

annish creatly y wo-one is k and ell as linen an be rated, pock-k can or fin-pplied uired ze is 24, 2 ds. 44

s cut 40, 42 or 10

sadcupally

CARDIGAN BRIDGE, Oct. 17—We are having lots of wet, disagreeable weather at present. Farmers are busy digging below the potato crop is very much below. But he potato crop is very much below the potato crop is very much will be lighter than usan turnip crop will be lighter than usan turnip crop oats, Sec. to Sec. a bushel; turnips, 15c. to 20c.; oats, Sec. to Sec. port. Bec. Ib. dressed; 25c. live weight. The apple crop lambs, 45c. live weight. The apple crop is a because of the control of the con

NOVA SCOTIA

NUVA SCOTIA
HALIFAX CO., N. S.
LITTLE RIVER, Oct. 16.—We are having
fine fall weather and pastures are still
fairly good. Turnips growing nicely
tut will be rather a shor. Diatose
were a good crop and are all harrested.
J. M.

NEW BRUNSWICK

KINGS CO., N. B. RINGS CO., N. B.

SUSSEX, Oct. 12.—We have been having fine rains and pastures are holding out wonderfully. Crops all around have been joying good weather. Everyone is busy

OUR FARMERS' CLUB CONTROL OF THE STATE OF TH

HALDIMAND CO., CNT.

HALDIMAND CO., CNT.
CALEDONIA, Oct. 17.—Since last writing,
this section was visited with a serious hail
storm, which was visited with a serious hail
scorn, control of a cross of control
corn crop. About a cross of cats not
cut will not total of acros of cars,
out will not total of acros of control
cut will not bushes an across of which
threshed 35 bushels an across of was destroyed—W. B.

or alfalfa
seed was destroyed—W. B.

WATERLOO CO., ONT.

WATERLOO CO. ONT.

WATERLOO, CO. 19.—The fine, warm weather is welcome for harvesting the root was the result of the control o

Sight Sceing at an Ontario Fall Fair

The excellent weather prevailing on Wednesday, October 12th, enabled the directors of the East Peterboro (Norwood) Fair to break all their previous records in point of records in point of records in point of the previous records in the previous records in

QUEBEC
COMPTON CENTRE, Oct. 18.—We are
having good weather, but rather too dry.
Many springs and wells have gone dry.
Any springs and wells have gone dry.
It formers have their grain threshed.
It for good the grain threshed in the control of the grain threshed.
It for glowing. Many formers and present grain gaulty olows. They find they can
jow more and plow it easier than with a
walking plow. Pork has fallen in price,
being 10 cents to 11 cents now. Butter is
20 cents to 25 cents a lb. eggs. 26 cents a
doz. eblekens, 15 cents to 20 cents a lb.—
It 6, 0.

PETERBORO CO. ONT.

HALL'S OLEN Out. 19.—The dairy cow
will stand us in rock eard this year, and
in fact were it not get and this year, and
in fact were it not get and the year, and
would be sadly curtailed owing to the
great damage worked by a hail store,
grain was ready to cut. Many of the facgrain was ready to cut. Many of the rock
grain was ready to cut. Many of the rock
dairy cows, we would be not and our
dairy cows, we would be with the grain
were though it contained but little grain.
The storm was not altogether an unmixed
and these has recoming in most welcome to
fall back on.—W. F. P.

ONTARIO CO., ONT.

cattra good this year. Farmers have been growing more roots crops as dairying has increased. All consideration of turnips will be satra good.—M. L. COMPTON CO., QUEBEC.

COMPTON CO., QUEBEC.

COMPTON CENTRE, Oct. 18.—We are having good weather, but rather too dry. Many springs and wells have gone dry. Many springs and wells have gone dry. Most farmers have their grain threshed work of the control of tairly well. Turnips and all root proposed of the control of the con

It Works If horses go lame, you don't have to lay them off to cure them. Kendall's Spavin Cure works while they work—and cures them while they earn their keep. For Spavin, Curb, Ring-bone, Splint, Sprain, Swollen Joints, Lameness Kendall's Spavin Cure "Completely Cured Him" "Two years ago, 1 bough to 20 Massk, Oct. 18th way years ago, 1 bough to 20 that was badly spained, and completely cured him withouly two bottles of your Spained withouly two bottles of your Spained and the Lime and sold him last without the standard family listment for the complete of 5th Ast your dealer of the 10 met. A Treatise On The Horner, or work. A Treatise On The Horner, or work.

EXECUTOR'S SALE OF

21-HOLSTEINS-21

The Pioneer Herd of the Brockville District, Home of Carmen Sylvia, and of some of the best Cows ever bred in Canada.

Wednesday, November 2, 1910

SPRING VALLEY, ONT. 4 MILES FROM

21 Holsteins to be sold without reserve, also a few Dorset Horned Sheep and Tamworth Swine

TERMS OF SALE: Eight months credit on approved joint note at six per cent, interest.

Sale to begin at Twelve o'clock sharp.

MRS. THOS. DAVIDSON, Executrix

Far m and Dairy is the official organ of The Canadian Holstoin Friedan Association, all of whose members are readers of the paper. Members of are readers of the paper. Members of items of intelligent products to send items of incolumn.

complete the contribution of a single which were not pulled. Our Fall having springs and wells have gone dry Many springs and wells are an another than the declaration of the contribution of a high order. The educational way for not force on the first are many and sulking slows. They find they can a walking pole we tracked that the declaration of the contribution of a high order. The declaration is weather after the very wet spell than a walking pole. We tracked the declaration of the contribution of a high order. The declaration of the contribution of a high order. The declaration of the contribution of a high order of the declaration of the contribution of a high order. The declaration of the contribution of a high order of the property of the contribution of a high order. The declaration of the contribution of a high order of the property of the contribution of a high order. The declaration of the contribution of a high order of the property of the contribution of a high order. The declaration of the contribution of a high order of the property of the contribution of a high order of the property of the contribution of the cont

turning out very well. Tobacce is saved in good shape. So much work yet reing in the farmers will be kept busy until snow flies...A. D.

Holstein-Friesian News

**Hol

MR. HIGGINSON'S HOLSTEIN SALE

MR. HIGGINSON'S HOLSTEIN SALE
Farm and Duity readers are again reminded of the great scale of pure
minded of the great scale of the Winhigginson. Inkerman Village. Or WinHigginson. Inkerman Village. Or WinHigginson. Inkerman Village.
Higginson. Inkerman Village.
Higginson. Inkerman Village.
Higginson. Inkerman Village.
Higginson. November which will be sold
included for Tuesday, November which will be sold
called for Tuesday, November with will be
sold included for Tuesday. November with the will
lance to take advantage of the chean
transport of the description of the sale.

For further particulars not miss this
sale. For further particulars of miss this
sale. For further particulars
and bairy. October 20th, or write to Wm.
Higginson. Inkerman. Ont.

MARKET REVIEW AND FORECAST

tory.

At Chicago at last reports, whilst European wheat quotations were lower prices had risen, and December wheat closed at 94½c, with other options correspondingly

On the local market dealers give the following quotations: No. 2, Northern, 1975;c. No. 2. Northern (old wheat), 99',cc. No. 3. Northern, 96',c. at lake norts, for immediate shipment. Ontario wheat, No. 2, white, 48' to 85c outside. On the farmers' market, fall wheat is selling at 86c, and goosewheat at 82c to 85c a hushel.

Montreal wholesale prices for grain rule as follows: No. 2, Canada Western oats, Se to 56/cc. No. 3, Se to 35/c a bushel: No. 2, Quebec white, Se; No. 3, Se a bushel: American yellow corn, No. 2, Sec. No. 3, Se a bushel; in car lots; barley, 48c to 45/c a bushel, in car lots; Manitoba feed barley, 49c. Ontario barley, 64c to 65c a bushel.

See to See outside. On the farmer's market, fall wheat is selling at See, and goose wheat at SEe to See a bushel.

There has been no change in the grain situation during the past week. Prices la bag. and the price asked ex store is 76e to 75e at bag. The properties of the price of the price

On the farmer, market potatoes are selling at Se a bush! unchanged. New hears are selling at \$1.00 a bushel and three pounds are quoted at \$2.00 a bushel. Primes are quoted at \$2.00 a bushel and three pound pickers at \$2.15 a bushel. The Montreal prices for potatoes are also a bushel and three pounds for the more than the potatoes are also as a possible prime and the potatoes are to prime and the dealers care to put the potatoes are guoted at \$1.72 a bushel.

DAINT PRIMITIES

DAIRY PRODUCTS

DAIRY PRODUCTS

Prices remain stationary in butter and the prespect is that they will continue to be so, for similar time. Local dealers give the following time. Local dealers give the following times. Choice creamery prints, 26c thoice separator prints, 26c: and ordinary quality, 18c to 26c a h. On the farmers' market, choice dairy butter is selling at 26c to 32c a 1b; ordinary quality, 22c to 23c a lb.

The trade in cheese is steady and large cheese are quoted 12c a lb., and twins at 125c a lb.

Montreal prices for cheese and butter e as follows: Choice creamery butter, 25c 25½c a lb.; choice dairy butter, 22½c 23c a lb.; ordinary quality, 19½c to Monte 20c a. 1h

20e a lh.

Western cheese is quoted at 11% to 11°c and Eastern at 11% to 11°c a lb. The Globe's Saturdar cable says: "Firm Canadian finest white new 5s. Goodred, 5s."

WOOL.

Quotations for wool remain unchanged, and are as follows: Washed ficeces, 20e to 21c; unwashed, 15c to 14c; rejects, 15c a

HIDES

The threatened lowering of prices for hides has not yet developed but the market is weak. Dealers give the following quotations: No. 1. steer and cow hides, 10e. No. 2. Sc. No. 3. Sc. a lb.; calf skins, 13e. No. 2. Sc. No. 3. Sc. a lb.; calf skins, 13e. to the companion of the ns. At country points, dealers are paying 's follows: Sheep skins, \$1 to \$1.10: lamb skins, \$6c to 45c: horsehides, \$2.75 to \$3: calf skins, 12c: horsehair, 30c a lb.

MILL FEEDS

MILL FEEDS

Prices as quoted by local dealers are:
Ontario bran, 820 a ton; shorts, 822 a ton.
on track, Toronto, Manitohar, 819 a
ton: shorts, 821 a ton, on track, Toronto.
Montreal prices as quoted palers are
as follows: Ontario bran, 819,50 to 830 5)
shorts, 822 a ton; Manitoha bran, 819
shorts, 822 a ton; Manitoha brack, Montreal, 120 a ton; Montreal, 120 a Trade is very active.

FRUIT AND VEGETABLES

FRUIT AND VEGETABLES
Local dealers quote the following figurafor fruit and vegetables: Gunadian plums
for truit and vegetables: Gunadian plums
foe to 75e a basket; Canadian pears, 30e to
52e a basket; California pears, 30e to
52e a basket; California pears, 30e to
52e a basket; pinsplies, 8450 to 85 a crate; cantalonge, 52a crate; erapes, 15e to 25e a basket; pinsplies, 8450 to 85 a crate; cantalonge, 52bis to 25e a basket; celery, 25e to 45e
a basket; cablesins, 815 to 48 60 a basket;
pickling outons, 75e to 81.55 a basket
pickling outons, 75e to 81.55 a basket.

pickling onions, 75e to \$1.25 a basket.
On the farmer's market, veretatiles are selling as follows: cabbae, 5c to 16e each; see cauliflower, 5c to 15e each; new beets, 30e a dozen; onions, 81 a bushet; celery, 4a. of 56e a dozen; pickling onions, 52e to 56e a basket, 195e are being offered at \$2 to \$8.50 a barrel according to quality; cirons.
15c to 50e each.

HAY AND STRAW

LONEY

Trade is active in honey and dealers The first and in oalf. Young bulls. Five to wean—A. O. How limb, stock, ready following quotations. Strained clover hone to wean—A. O. How limb, stock, ready following quotations. Strained clover hone yield by the strained y

EGGS AND POULTRY

EGGS AND POULTRY
Eggs are very high in price and selects
in case lots are quoted by dealers at 30e a
dozen. On the farmers' market, new laid
eggs are selline for poul self a dozen.
The demand for poul self and the self are supplies
and there are large supplies cery active,
and there are large supplies cery active,
and there are large supplies cery for undersead poultry: Chickens, 16e
to 12e a lb. fowl, 8e to 5e; turkeys, 15e to
16e; greese, 16e to 11e, and ducks, 16e to 15e
a lb. dressed weight. From one to two

16c; gress, 10c to 11c, and ducks, 10c to 12c a b); dressed weight, from one to two cents higher in price a pound. On the farmers' market, dressed chickens are selling at 15c to 18c; fowl, 13c to 14c; turkeys, 22c to 25c, and ducks, 16c to 18c

On the Montreal market live chickens are On the Montreal market live chickens are selling at 11c to 11½ a lb. Montreal prices for eggs are as follows: Selected stock 26c to 27c a dozen in case lots: straight re-ceipts, 25c; second grades, 20c to 22c a doz.

HORSE MARKET

There is not much doing in the horse market: receipts are very light, but prices market; receipts are very light, but prices keep steady. Prices have ruled as fol-lows: Drafters, \$200 to \$275; general pur-pose horses, 180 to \$220; drivers, 100 to \$275; expressers, \$200 to \$220; serviceably sound horses, \$50 to \$95.

LIVE STOCK

The market has been animated lately, and plenty of good stock has changed and as I fair prices. Some western cattle tre expected at the end of the week or the seginning of next. Exporters are a rifle weaker in price and feeders are plentially did. Choice butcher cattle sold readily dul. Choice butcher cattle sold readily triffs weaker in price and feeders are plen-tiful. Choice butcher, and a readily at good prices. Sheep and lamar steady in price and hops also have suffered no further, being quoted at the same fig-ures as obtained last week. Dealers' quotations are appended: Choice export cattle—8-30 to 85-40; medi-Choice super cattle—8-30 to 85-40; medi-Choice super cattle—8-30 to 85-50. Choice super cattle—8-30 to 85-50. Choice super cattle—8-30 to 85-50. Choice super cattle—8-30 to 85-50. Feeders—8-5.50 to 85-00; medium, 84-50 to 84-75.

\$4.75. Choice stockers—\$4.50 to \$5.25; medium, \$5.50 to \$4.60; canners, \$1.50 to \$2. Milch cows—\$50 to \$65; medium, \$40 to \$45; springers, \$55 to \$50. Sheep, ewes—\$4.75 to \$5.10; bucks, \$3.50 to

Lambs-85.85 to 86.25. Hogs-f.o.b., 87.90; fed and watered, 88.25 to 88.30 a cwt.

PETERBORO HOG MARKET

PETERBORO HOG MARKET
Peterboro, october 3: 1989. Danish hogg-felivered in England last west totalled
9,00. The demand for bears
Country is exceedingly poor, the market
being demoralized. The delivery of hoge
on local markets is very heavy. The Geo.
Matthews Co. quote the following prices
for this week's shipments: f.o.b., country
points, 87.96 a cwt. weighted off cars, 87.90
a cwt. delivered at abattoir, 87.50 a cwt.

MONTREAL HOG MARKET

Montreal, Saturday, Octoer 22.—The mar-ket here for live hogs has been sumewer: overdone with supplies during the p-stream overdone with supplies during the p-street days, and prices have eased off maxin, and are one quarter a cent lower than last week. Finest selected lots weighten of uni-sell at \$82.5 a cwt., and even lower prices are looked for if the heavy receipts con-linue for any great length of time. Dressed hogs are also casier in tone and are selling today at \$11.75 to \$12 a cwt for, tresh killed abatioir stock.

EXPORT BUTTER AND CHEESE

Montreal, Saturday, October 22. -Montreal, Saturday, Ostober 22.— The feature of the trade in dairy products tails week has been the great rush in the demand for colored cheese, which has forced mand for colored cheese, which has forced manded to the colored cheese which has forced markets this week in some cases ruling fully &c a lb. more for colored than the buyers were willing to pay for white sorts. As high as 11½ was paid for colored at some of the markets, notably as orded at some of the markets, notably and orded at some of the markets, notably and the colored offered soid at 11½ can built of the colored soid at 11½ can built of the colored soid at 11½ can built of the colored offered solid at 15 ke a lb., whereas white chief commendate neglected and solid at 15 ke to a lb. The care transferred to the color of the shipment were doubtless included in total, which amounted to almost 75,000 h

firm at 23 Peterbonand sold

consideral

Octo

The ing to o for the showing erally an spite of

Province a heavy a near the borde The but decline, when 22% Saturday.

> P Hav stock, you v

and is good i with avoid we so and D its liv umns. Alth the off three and he

ing b cattle it is t Eastern Dairym as of tions of itoba, Que., a directly -there tle bre of exc to use. Now time to

dairyme are ma and Da others tion pu the stoc go into You w men kn sale thr

Farm a offering for sale in at le S copy mu week for lowing paying get good You can good bus Farm an

Madoe, Oct. sold at 10 15-1 Woodstock. colored boarde Sterling, Oct sold at 10 15-16 Brockville, O 1490 colored, br at 11½c, and 4 Winchester, 311 colored ar was offered, by Kemptville, (offered: biddir

Ottown Oct

Toronto, Monday, Oct. 24, 1910.—The movement of grain is proceeding apace this ment of grain is proceeding apace this proceeding the process of the process

tinued to keep the bears uppermost. Russian crop reports show that she has had the second largest wheat crop in her his-

On the local market dealers give the fol

POTATOES AND BEANS

There is a very firm tone in regard to potatoes and there is not the least doubt that the price will amount to a pretty stiff figure before the winter is half over. There

DISPERSION SALE

14 PUREBRED REGISTERED HOLSTEINS 14

Specially selected for their milking qualities from some of the best Ontario and American herds, 3 Grade Holsteins and 3 common grades. The Farm is Sold and all must go. No Reserve.

6-Alexena. Record of Merit. Record for 9 months (had milked 3 months before bought) 8,226 lbs. Value \$131.

2 Bleske Clothilde II., imported. Record for 9 months, 8,851 lbs. Value of milk, 8,141.

5—Queen Artis DeKol. Record of Merit. Record for 9 months (had milked 3 before bought) 6,639. Value 896.

PUREBREDS

1—Glossy Rose, imported, record for 9 months ending Oct. 1, 10,505 lbs. Val-ue at 16c per gal., \$168.

Certificates produced on day of sale. ted, record for 9 7-8ylvan Rose. Record for 8 months. 1, 10,505 lbs. Val. 8,874 lbs. Value of milk, \$141.

milk, 8141.
3—Cerise Belle, imported. Record for 6
months, 6,805 lbs. Value, 8108.
4—Francis II. Record for 18 months,
16,674 lbs. Value, 8256. Record of
Merit.

Topsy Lass. Record for 6 months. 6,118 lbs. Value \$97. 9-Sylvan Aaggie Johanna, heifer, 9

10-Jane DeKol Johanna, heifer 18 months.

11-Albino DeKol Johanna, heifer 18 months.

12—Stock bull, Sir Hengerveld De Kol Aaggle, 2 years 4 months.

13-Bull calf, Sir Calamity De Kol Aag-gie, 7 months. 14-Bull, Cerise's Paul DeKol, 7 months.

Records of cows from weighing about every week, also from returns milk contract. SALE ON NOV. 11 at eleven o'clock, at Lot No. 3, 5th Con., Glanford, 2 1-2 miles from Glanford Station, 6 miles from Caledonia, and 8 miles from Hamilton. Catalogue sent on application to

LYMAN C. SMITH, -- Oshawa, Ont.

BREEDER'S DIRECTORY Cards under this head inserted at the rate of \$4.00 a line per year. No card accepted under two lines, nor for less than six months, or 26 insertions during twelve months.

ONE 2 YR. STALLION by Champion Right
Forward, Imp. One 2 yr. filly by Barron
Beau, Imp. Yearling stations and fillies
Imp. of the Station Station and Imp.
Imp. 1 year old fillies just received—R
M. Holtby, Manchester P.O., and G.T.R.
Rattoin Myrth. G.PR. I. D. Phone
Station Myrth. G.PR. I. D. Phone
Station St

CLYDESDALE HORSES, SHORTHORN CAT-TLE.—Large selection of best stock. Prices reasonable.—Smith & Richardson, breed-ers and importers. Columbus Ont ORMSBY GRANGE STOCK FARM, ORMS-TOWN, P. QUEBEC. — Importation and breeding of high-class Clydesdales a spec-ialty. Special importations will be made. —Duncan McEachran.

SPRINGBROOK HOLSTEINS AND TAM-WORTHS.—High-class stock, choice breed-ing. Present offerings, two year old helf-ers, fresh and in oalf. Gung bulls. Five Tamworth boars from Jung stock, ready to wean.—A. C. Hallman, Breslan, Ont.

and selects alers at 30e et, new laid dozen. very active, coming into e wholesale hickens, 10c keys, 15c to s, 10e to 12c one to two

treal prices ected stock straight re-22c a doz.

the horse but prices ed as fol-neral pur-ers, 100 to serviceably

ed lately, changed ern cattle eek or the s are a are plend readily continue e suffered same fig-

ed: .40; medi-.85.50. 5.25; med-

84.50 to

medium. 2. n, 840 to

, \$3.50 to red, 88.25

KET

ish hogs totalled the Old market of hogs the Geo. g prices country irs, \$7.90 a cwt.

ET

he marmewner
post for
vin, and
an last
off ars
r prices
ofts con
Dressed
setting
tresh

EESE

- The cts this the deforced above ountry ruling an the white

white or col-bly ar of the hereas

rlected
The exmainverage
emand
s only
ecause
cored
s bull
fill no
is here
or the
uantictober

, 1910.

es. The receipts were also heavy, amounting to over \$5.00 baxes, as against \$5.00 for the correspondence week last year, showing that the lineweeper of the last partial and the last partial anticipated is being all the last partial and the recent and the last partial and the recent as heavy shipment of cream going across the last partial pa ed chickens 13e to 14e:

CHEESE MARKET

Peterboro, Oct. 19.-3417 boxes boarded and sold at 11%c.

Pertinent Questions

Have you any pure bred stock, or bull calves for which you want a ready buyer who know that a value of good stock and is willing and able to pay good prices for it? Have you a bull that you wish to exchange with some other breder to avoid inbreeding? If you have, we solicit your earnest consiavoid inpreeding? It you have, we solicit your earnest consi-deration of the service Farm and Dairy renders you through its live stock advertising col-

Although Farm and Dairy is the official organ of each of the three breeds of dairy cattle and hence reaches all the leadthree breeds of dairy cattle and hence reaches all the leading breeders of pure bred cattle in Canada, and although it is the official organ of the Eastern and Western Ontario Dairymen's Associations, as well as of the Dairymen's Associations of British Columbia, Mantioba, and Bedford District, Que, and notwithstanding the fact that 98 per cent of the fact that 98 per cent of the dairying, —thereby assuring dairy cattle breeders wide circulation of exceptions wide circulation of exceptions wide circulation of exceptions and inches of the dairy and the dairy seems and the dairy seems and the dairy seems and inches of exceptions wide circulation of exceptions wide circulations of exceptions will be considered to the circulation of exceptions will be circulated to the circulation of exceptions will be considered to the circulation of exceptions will be circulated to the circulation of the circulatio

Now is a most favourable time to advertise pure bred dairy live stock. Farmers and dairymen all over the country are marketing their crops and have money to invest. Farm and Dairy readers are wanting stock to improve their herds; others want stock for foundation purposes. bulls to head tion purposes, bulls to head their herds; and they will want the stock soon before the cattle go into the stables.

the stock soon before the stables.

You will be wise to let these men know what you have for sale through the columns of Farm and Dairy. Sind Farm and Dairy an advertisement offering what stock you have for sale and have it inserted in at least five consecutive issues. Send your ad to-day—copy must reach Peterboro not later than Saturday of each week for insertion in the following issue. Advertising is paying other breeders. They get good prices for their stock. You can secure a share of the good business by advertising in Farm and Dairy.

Madoe, Oct. 19.-675 boxes boarded; all sold at 10 15-16c.

Sold at 10 15-16c. Woodstock, Oct. 19.—790 white and 340 colored boarded; 240 colored sold at 11 1-16c. Sterling, Oct. 19.—625 boxes boarded; all sold at 10 15-16c.

sold at 10 1545c.

Brockville, Oct. 20—2790 bores registered;
1690 colored, balance white; 775 colored sold at 1145c, and 485 white at 1195c.

Winchester, Oct. 20—787 bores registered;
311 colored and the balance white; 1952;
was offered, but none sold on the board.

Kemptville, Oct. 21—497 bores of colored offered; bidding at 1155; and 11 3-15c; at1

half sold: white at 19%c; colored at 11%c. Kingston, Oct. 20. Seven factories sold colored cheese at 11%c and five sold white at 10 15-16. The registrations were: White, 570 boxes, colored, 271 boxes of cheese, all white, boarded: 135 boxes sold at 11 1-16c, 11%c and 15-16c. Balance re-fused at 10 1-16c.

London, Ont., Oct. 22.—16 factories offered 1934 boxes of colored cheese; 813 boxes sold

at He.

St. Hyacinthe, Que., Oct. 22—400 packs
ages of butter at 22/sc; 200 boxes of cheese
at 16%c; tub butter, 23c.

"Materiown, N. Y., Oct. 22—Cheese sales,
(500 boxes sold at 13/sc.
Canton, N. Y., Oct. 22—1500 tubs of butter
at 29/sc; 1600 boxes of cheese at 13/sc.

Attention is called to the dispersion sale of purchred Holstein cattle owned by Lyman C. Smith, Oshawa, Ont. The cattle of fered are a good lot and will afford someone the best of an opportunity to secure stock for foundation purposes or to improve their present hereks.

The address of Sugene Pootmans & Sons, whose Belgian stallions were illustrated in the October 6th issue of Farm and Dairy, and who are showing a number of their animals through the west, will be at Ninth Avenue, Regina, Sask, for the next few weeks.

GUELPH WINTER FAIR

GUELPH WINTER FAIR

Four thousand dollars will be offered in prizes for beef and dairy cattle at the Winter Fair, Guelph, December 5 to 3, the prizes for beef and the prizes for all the season of the provided in Eleases for beef cattle in the season of the provided in each device of dairy cattle, and provide in each device and provide in each device and provide in each device and in the leading breeds, together with grades, and in the provided in the season in the provided in the provided

Besides the large regular prizes for Besides the large regular prizes for Besides the here associations are of ferring the following prizes: Shorthoras, 845. April 1982; Holletin, 849. Amareur exhibitors 200 in Brant and Norfolk counties are offered by the prizes in addition to the prizes for bed did into the prizes for bed to the sum of \$12,000 is off and dairy extite, the sum of \$12,000 is off no polity extite. The sum of \$12,000 is off no polity except the prize for bed by the prize for the prize f

ROOFINGS THAT NEED NO PAINTING

ROOFINGS THAT NEED NO PAINTING

Times have changed since the good old
when we used to climb up on our
roof, and the property of the control o

fered: hidding at 11% and 11 3-16c; all old.

Column Ottawa, Oct. 20.—607 boxes boarded; one Ottawa, Oct. 20.—607 boxes boxe

CRUMB'S IMPROVED WARRINER STANCHION



BURNED

COVA. "writes Mr. Everett Gains, Bernardstown, Mass. Bookler Franciscown, Mass. WALLACE B. CREME, 195. Foreset Hille, Conn., U.S. A. Canadian orders filled from Canadian factory. All correspondence should be addressed to the home office Blate in inquiry if you prefer booklet in French or English.

Dr. Bell's Veterinary Medical Wonder cures inflammation of lungs, bowels and in every county. Write for a free trial \$1 bottle. This offer only good for 60 days. Limited to 500 bottles. DR. BELL, V.S., Kingston, Ont'

MISCELLANEOUS

TAMWORTH AND BERKSHIRE SWINE.— Boars and sows for sale. J. W. Todd, Corinth, Ont., Maple Leaf Stock Farm. 157-11

TAMWORTHS AND SHORT HORNS FOR SALE Ishirunino Adu onuni hukno FUN SALL Several choice young flows aired by Imp. Boar, dame by Colwill's Choice, Canadas, champion boar 1901-25 and '65, recently to young stock hog. Also a few ma-ture to young stock hog. Also a few matured to young stock hog. Also a few price in the price in t

A A. COLWILL, Box 9, Newcastle, Ont

AYRSHIRES CHOICE AYRSHIRES

Are Bred at "CHERRY BANK"

A few young buil calves for sale. Write for prices. P. D. McARTHUR, North Georgetown

Howick Station on G. T. Ry. 15-9-11

BURNSIDE AYRSHIRES

Are Well Known.

They are from the best imported and home bred stock. They are true to type. They have good show yard recurs is large records of milk and butter fat. Stock for sale. Write or come to Burnside Farm.

E W 15-10-11 R. R. NESS, Proprietor, Howick, Que

AYRSHIRES--PRESENT OFFERING A few good Cows from 6 to 10,000 lbs. milk per annum. Also bull caives, all ages up to 13 months, R.O.P. our specialty. JAMES BEGG, R.R. No. 1, St. Thomas, Ont

SPRINGHILL AYRSHIRES
Imported and home bred steels of a ages for sale. Stock shown with grea success at all the eading fairs. ROBT. HUNTER & SONS
Maxville, Ont
E-1-7-11

Lond Distance Phone.

AYRSHIRES

Ayrshires of the right stamp for production, combined with good type and quality. Write for prices. 0-22-12-10 R. M. HOWDEN, St. Louis Station, Que

"La Bois de la Roches" Stock Farm Here are kept the choicest strains of AYRSHIRES, imported and home bred YORKSHIRES of the best bacon types WHITE OFFINATON, WHITE WYAN. DOTTES and BARRED ROCK Poultry. HON. L. J. FORGET, J. A. BIBEAU,
Proprietor Managor
E-6-7-11 Ste. Anne de Bellevue. Que.

HOLSTEINS HOLSTEINS FOR SALE

All ages, at half their value; the produc-JAS. MOTHERAL, Box 99, DRUMBO, ONT.

FRASER FARM HERD

FRASER FARM HERD
LACHINE RAPIDS, QUE.

FOR SALE—Bull, II months, Sir Francy, Posch Beets, combines the blood of Francy, cover 100 lbs. milk one day, and dam of cover 100 lbs. milk one day, and dam of country of the proceed 2 year old, over 27 lbs. butter 7 days, and Francy, and Francy, cover 100 lbs. butter 7 days, and Francy, cover 100 lbs. butter 7 days, and Francy, and Francy, cover 100 lbs. butter 7 days, and Francy, and Francy, cover 100 lbs. butter 7 days, and Francy, and Francy, cover 100 lbs. butter 7 days, and Francy, and Francy, cover 100 lbs. butter 7 days, and Francy, and Francy, cover 100 lbs. butter 7 days, and Francy, cover 100 lbs. butter 7 days, and Francy, and Francy, cover 100 lbs. butter 7 days, and Francy, cover 100 lbs. butter 7 days, and Francy, and Francy, cover 100 lbs. butter 7 days, and Francy, cover 100 lbs. butter 7 days, and Francy, and Francy, cover 100 lbs. butter 7 days, and Francy, cover 100 lbs. dam in lbs. dam in lbs. a son of farm days and lbs. dam in lbs.

HOLSTEINS

HILL-CREST FARM HOLSTEINS

Headed by "Pontine Hermes," on of "Henderveld DeKo!" (115 A. R. O. Daughers, "Physiology of the Headed by "Pontine Hermes," on of "Henderveld Greates Headed Speakers, and "Henderveld Greates Headed Speakers, and "Henderveld Greates, "Physiology of the Henderveld Headed Headed Headed Henderveld Headed Henderveld Headed Henderveld Henderveld

G. A. BRETHEN, NORWOOD, ONT.

Peterboro Co.

HOLSTEINS

If you are wanting HOLSTEINS, any age, either sex, write

GORDON H. MANHARD, Manhard, Ont.

Do you want a first class Cow or Helfer's bred to a first class bull' Francy Jot's Admiral Ormsby heads our herd. Dam, Francy Jrd, Canadian Champion Butter Cow. Sire, Sir Admiral Ormsby, sire of the world's champion 2 year old beifer.

TF J. A. CASKEY, Box 144, Madoc, Ont

HOMESTEAD HOLSTEIN HERD

Honded by the great young sire, Dutch-land Colamba Sir Abbelerk.

Jan Tidy Pauline De Kol, butter 7 days,
23.44. Sire's dam, Colamba the Johanna butter 7 days, 5.22. Average of dam and sire's dam, J.53 bb

Bull caives offered, three to twelve months old, from dams up to 25% lbs. but-

EDMUND LAIDLAW & SONS 17-2-11 Box 254 Aylmer West, Ont.

RIVERVIEW HERD

Offers Bull Cal born February 14th, 1910. Sire Sir Angrie Beets Segis. Six dame in pedigree average 25.00 lbs. in seven days. Lachtne Rapids. Que. P. J. SALLEY

Lachine Rapids, Que.

"LES CHENAUX FARMS"
VAUDREUIL, QUE.
HOLSTEINS-Winners-in the ring and the pail. Gold Medal herd at Ottawa air. They combine Conformation and Producon. Bull and Heifer Calves from our winners

DR. HARWOOD, Prop. D. BODEN, Mgr

LAKEVIEW HOLSTEINS

Several bull calves sired by "Count Hen-gerveld Fayne de Kol," and one ready for service, sired by Brighteet Canary. These calves are out of A. R. O. cows and are big and strong. Write for catalogue or come and see them.

E. F. OSLER, Bronte, Ont.

HOLSTEIN CATTLE THE MOST PROFITABLE DAIRY BREED IIUSTRIED DESCRIPTIVE BOOKlets Free HOLSTEIN-FRIESIAN ASS'N OF AMERICAN 7.LHOUGHTON. SECY, BOX 149, BRATTLESORO, VT

CLOVER LEAF HERD

We are offering for sale our entire herd of 23 head of Holstein Cattle. The lot contains several point of M. and R. of P. cows and choice heiter has as Sir Admiral Ormsby and others as Sir Admiral Ormsby and others. We rearling built sired by Summer Hill Choice Goods. Trains met.

A. E. Smith & Sons, Millgrove, Ont. HAMILTON or DUNDAS STATIONS

pedigree. Apply to.
E. N. BROWN, Prep. S. H. BATES, Mgr. S, ARMSTRONG, Jermyn, Ontario

That Cold R



on the side of the house where winter blasts strike hardest always has a lower temperature than the rest of the house. There are times when it is necessary to raise the temperature quickly or to keep the temperature up for a long period. That can't be done by the regular method of heating without great trouble and overheating the rest of the house. The only reliable method of heating such a room alone by other means is to use a

ERFECTION SMOKELESS IL HEATER

Absolutely smokeless and odorless

which can be kept at full or low heat for a short or long time. Four quarts of oil will give a glowing heat for nine hours, without smoke or smell.

An indicator always shows the amount of oil in the font. Filler-cap does not screw on; but is put in like a cork in a bottle, and is attached by a chain and cannot get lost.

An automatic-locking flame spreader prevents the wick from being turned high enough to smoke, and is easy to remove and drop back so that it can be cleaned in an instant.

The burner body or gallery cannot become wedged, and can be unscrewed in an instant for rewicking. Finished in japan or nickel, strong, durable, well-made, built for service, and yet light and ornamental. Has a cool handle.

Dealers Everywhere. If not at yours, write for descriptive circular to the nearest agency of the

The Queen City Oil Company,

PURE BRED PIGS FREE

PIGS GIVEN AWAY

YOUR CHOICE OF A BERKSHIRE, YORK-SHIRE, TAMWORTH, POLAND · CHINA OR CHESTER WHITE

Have you won any pure bred pigs the past year, for the securing of new subscriptions to Farm and Dairy? If not you can easily do so now. Read our offer below.

We will give a pure bred pig, of any of the standard breeds, from six to eight weeks old, with pedigree for registration, for only Nine New subscriptions to Farm and Dairy at \$1 a year each.

Secure pure bred stock and weed out your old scrubs.



Send for Sample Copies at Once.



Circulation Manager

FARM AND D PETERBOROUGH, ONT.

This 5-Ton Scale Is Easy To Buy

You need not club with your neighbors to equip your farm with the scale you need—the CHATHAM Pitless Scale. You can afford to

COMES READY buy it yourself. It will save you FOR USE Up to five tons it will weigh accurately all you buy or sell. You can erect it ready to use in a



Your Chatham Pitless Scale will be YOUR Ccale that you can take with you when you move. You can always get for it what you paid for it. And you need no skilled help to set up the CHATHAM-it comes to you complete, with plain directions. Built wholly of heavy steel. Nothing to rust, decay or go wrong. Government guarantees its absolute accuracy. Tested before it leaves the factory. War-

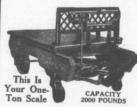
This Is The Complete Scale

Bear in mind that you have no hard work to do in setting up a CHATHAM. It is all solid steel, stands on its own feet above ground,—no pit to dig, no fussy preparation needed before you use it. Comes to you so you can be weighing on it in a few hours after you get it. No skilled mechanic necessary at all.

Special Compound Beam - No Extra Cost

This season we include our new Compound Beam with each CHATHAM Pitless Scale without adding a cent to the price of it. You can find no bigger bargain; yet the price is 'way down low. In sections where we have agents we offer special long-

time credit terms to those who would rather try the Scale before they pay for it. Write us and ask for full details.



Handy to move about as a wheelbarrow, yet accurately weighs up to a full 2,000 pounds. Swivelled pole and front wheels let you turn it short through doorways and around corners. Strong and staunch, too, like all scales we build.

You'll Never Wear It Out

Main frame is one solid and very heavy casting. Levers are special heavy and strong, so they won't spring under excessive strains. Bearings align themselves, because pivot rests on bearing loop — tilt the scale and it will still weigh right. And the price is very small!



I personally vouch for every statement this advertisement makes, adve.tisement makes, and I further guaran-tee that my Chatham Pitless Scale is the biggest scale value you can buy for money in this or any other country. Write me about it and I will see that this is proved to your complete satis-faction. Write now.

MANSON CAMPBELL

WRITE US AND ASK FOR DETAILS

MANSON CAMPBELL CO. LTD. CHATHAM - - ONTARIO