FARM AND D'AIRY RURAL HOME



BETTER FARMS

Dept of Astri



Peterboro, Ont March 9, 1916



POSING FOR HIS FIRST PICTURE



- EFFICIENCY—The "Simplex" is the result of thirty years of the period of these years is embodied in the new "Simplex" for you.
- SIMPLICITY—The "Simplex" is the simplest in construction of all separators. It has fewest parts of any make and can be operated by a child.
- 3. SMOOTH RUNNING—The "Simplex" bowl will always run smooth and true even if out of mechanical balance.
- NOT AFFECTED BY WEAR—As the "Simplex" wears instead of becoming polsy and running harder, as in other makes, it will continue to run easily and swoothly.
- 5. LIVES LONGER—The greatest wear and tear of Separators is caused by the uneven running of the bowl. The "Simplex" Self Balancing Bowl is never out of balance, consequently there is the minimum amount of wear and tear, and the life of the Sep-arator is greatly increased.
- 6. A MONEY-SAVER—The "Simplex" is so light running and turns so easily that it does the work in half the time required by other makes, and cuts the labor of skimming more than in two. This means a big saving in time and money.

The other ninety-three reasons you will soon find on your first trial of the "Simplex." Write us for literature on the "Simplex" and the testimony of satisfied users.

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WE WANT AGENTS IN A FEW UNREPRISENTED DISTRICTS



Please mention FARM AND DAIRY When writing to our advertisers.

In Union There is Strength

Cooperative Marketing in Saskatchewan

A held recently at Saskitation, C. A. Dumning, general manager of the Saskitation and the Saskitation of the Saskitation of the Saskitation of the Saskitation from company, outlined die progress that the company, outlined the Saskitation of the Saskitation from competing interest. Both the Saskitation of the part of the Saskitation of the part of the Saskitation of the part of the Saskitation from competing farmers and saved the day of the Saskitation of the part of the Saskitation of the Saskitation of the Saskitation will be med by the of opposition will be med by the of opposition will be med by the of the Saskitation will be med by the opposition of the Saskitation of the Saskitation

Growth of the Company.

The drst year said Mr. Dunning, as reported in the Grain Growers' Guide, forty-six elevators and been organized. forty-six elevators bad been organized in various parts of the province. The second year, as a value of special efforts to build a larger number of elevators at as many points as possible, the system general transfer of the system for the system of 137 elevators. During the filled year a further extension of 192 elevators had been made, then 216 in the South year, while so far this senson the increase had reached 290 elevators. ed 230 elevators.

Similarly the volume of business had grown from 3,250,000 bushels the had grown from 3,360,000 bushlets the first year to 12,900,000, then in 1913 to 19,500,000, and finally to 23,000,000 to date this year. In platform busi-ness the growth had been from 2,500,000 cars handled to between 31,500,000 and 32,000,000 bushlets this year. In connection with the volume of

In connection with the volume of patronage, it was interesting to note the perceatage of Saakatchewan's crop handled each year by the company, inasmuch as R evidenced the latter's growth or relation to the growth of similar institutions. The growth of similar institutions. The figures represented only the marketed portion of Salactichewaris crop in each regimes represented by the marketed portion of Salactichewaris crop in each year; in a substance it was the important was marketed that was the important was marketed that was the important onsiderated that was the important of the Salactichewari crop in 1971 the percent of the market period of the Salactichewari crop in 1972 the percent, or the salactichewari crop in 1972 the percent of the salactic crop in 1972 the percent of 1972 the percent of the salactic crop in 1972 the percent of the salactic crop in 1972 the percent of 1972 the 1972

A Fight for Life.

Speaking of the attitude of com-Speaking of the attitude of competitors—the line elevators—to wards the company, Mr. Dunning stated that during the first year it has year in during the first year it has to make the competition of the c "green kid from the tarm." Neverthe-less, they had gone along and succeed-ed ill their friends the enemy com-menced to wake up. That was why endeavor had been made the second year to build a sarge number of eleva-tors. Many of those present knew by experience the way the farmers' small experience the way the farmers small elevating companies were aquecaed out of existence. The Cooperative Company was a fraid in the same means might be applied to the same means might be applied to the same out. It was not difficult for an example of the same of the company to do this with a farmer company to a given point; if was not impossible to do it at 46 points; but

T the annual convention of the widen the area and it did become im-Saskatchewan Grain Grawers, possible. It had been a year of night-held recently at Saskatoon, G. mare, but the area had been widened possible, it had been a year of night-mare, but the area had been widened

successfully.

Since then they had experienced a sort of guerilia warfare. An odd point or two on the system was picked out and a few apocial men at that point would be given a very especial little deal. This was one of the most institute ware to get at the root of cooperation. Sometimes free storage would be offered, and the line companies be offered, and the line companies would pay two or three cents a bushel would pay two or three cents a bushel more than the cooperative elevators were able to pay. more

A Frontal Attack

A Frontal Attack.

Now a great intal attack was being made by the entry. The line elevators throughout Gustarchewan had issued orders reduced bariges from 1.34 cents to 1.14. Gustarges from passies had admitted that where so the handled profisably at this rate. The inference was piain was a case of finding the nigger.

case of hading the nigger.

In 1813, when the company had operated the cheapest, the actual cost had been 2.39c per bushed. The total cost for everything, including selling, had been 3.48c. They could have where their company had made up the loss, but other actual cost and the company had made up the loss, but other actual could be company to the company had made up the loss, but other actual could be company had made up the loss. but other men could not.
It was some job to fight a co

that for the five years of its existence had not built any palaces in any fash-ionable quarter in any city, but which had nursed a fighting fund instead of distributing everything to its share-

Andrews of the company to the same-aolders.

Mr. Dunning went on to say that the company expected to build thirty elevators this year: Applications, of course, were made in numbers beyond the capacity of the company, 130 com-munities having applied where there were at present no cooperative eleva-

The SpringMeat Supply T. H. Mathison, Grey Co., Ont.

AST year we had considerable difficurty with our meat supply during seeding time, or until our beef riog opened up, which was about the first of June. Most of our neighbors cure pork for this season of the year, but we do not care for it. As there is no butcher nearby from which we could secure fresh meat as wants we come secure fresh meat as needed, we had to depend on ourselves. Last spring when the weather in April turned out to be so warm, the beef which we had on hand spoiled and we lost it.

and we lost r.

For this spring we have hit on a
new plan by which we hope to have a
good supply of fresh beef until the
beef ring starte operations. We cut up good supply of fresh beet until the beet ring starts operations. We cut up a quarter in pieces of a convenient alse for cooking. What a convenient alse for cooking. What a convenient alse for cooking. What a convenient cooking the cooking of the

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should be production, production, and again

The following extracts were taken from the same book, and show the general opinion regarding increased-production:

production."

VOL. XXXV

THE CANADIAN GOVERNMENT has called

for volunteers to go to the front, and is now trying to raise 500,000 men for active ser-

That this number will be raised, there can

be no doubt, as men are enlisting at the

rate of a thousand a day, and the daily enlist-

ments show no sign of diminishing, but

rather are increasing, and the whole country

is rapidly steadying down and realizing

Advertising and

The various regiments

Recruiting.

throughout the country

are advertising for re-

cruits, and officers and

enlisted men are person-

possible argument is used

to induce all able-bodied

men to join the colors,

and many men are wear-

ing khaki now who could

serve their country better

and show equal patriot-

ism if they were in muftl.

That the soldier boys are

giving their all for the

cause is true, and every

honor should be theirs.

and the nation should be

and is proud of her volun-

teers. All praise and

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Every

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"Fortunately situated as we are far from the actual theatre of war, free as we are from having

war to go to the front, it is not advisable to allow

the country to be depleted of her skilled farmers.

Call For Increased Production.

from the farms, and farmers are exhorted to

strain every effort to produce more and still

more. In the Agricultural War Book, issued by

the Federal Government last year, Hon. W. T.

White, Minister of Finance, said: "For Canada

at this functure the watchword of the hour

The Government urges increased production



The Recognized Exponent of Dairying to Canada Trade increases the wealth and glory of a country; but its real strength and stamina are to be looked for among the cultivators of the land. -Lord Chathem



PETERBORO, ONT., MARCH 9, 1916 No. 9

Fight or Farm---Which Shall It Be? Is Not the Production of Big Crops A Patriotic Necessity?

BY A. K. LE MARR

our lands devastated by the march of millions of men, I think that all who are on the land should do their best to see that the Motherland shall not suffer for want of food. . . Aside from the question of price, it is undoubtedly the patriotic duty of every farmer to do his best to help in relieving the Mother Country from any occasion of every true Manitoban to stand shoulder to

shoulder in the present crisis. "Gentlemen, the faces of the nation are turned towards YOU. All eyes are expectantly upon you; for at such a time the Master of the Soil is the Master of National Fate. War has a rapacious appetite, and great quantities of food are required, not only while actual hostilities endure, but long afterward while the consequent

"I feel that the farmers of Manitoba can be relied upon to the last man. I would urge you all to concentrate your attention upon increased production of grain, livestock and dairy products. Enlist every available acre of your land in your country's cause by preparing it carefully for crop production It is patriotism which will bring you manifold returns and graatly relieve the general situation."-Hon. George Lawrence, Minis-

ter of Agriculture for Manitoha "One of the most effective means by which the people of New Brunswick can at the present time give evidence of their loyalty and their desire to assist is by a united effort to put under cultiva-

tion all the available farm land possible, in order that we may do our share towards relieving the burden by being in a position to supply those who are nearer the scenes of active service."-Hon. J. A. Murray, Minister of Agriculture for New

Brunswick. Opinion of Sir Geo. Palsh.

"I am convinced that every possible effort will be made by all concerned—the Canadian Government, the Provincial Governments, the municipalities, the great railway companies, bankers, traders, and others, as well as by British investors-to increase rapidly the agricultural and mineral output of the country upon which the welfare of the Canadian people, both individually and collectively, absolutely depends, and that the effect of their concentrated effort will be so great that the country will carry with safety a burden of interest which might otherwise overtax its strength. It is, however, of the greatest



The Man Behind the Man Behind the Gun.

ses, the munition worker in the factory, and the farmer in his fields, are all desperate conflict. To unbalance things might be fatal to the Empire. Mr. Ont., may be here seen "doing his bit." be advisable to allow the skilled mechanics who at the front or those at home."-Hon. James S. are engaged in the manufacture of munitions of Duff, Minister of Agriculture for Ontario.

It Is True Patriotism. "A solemn duty has been laid upon your shoulders as farmers. You are expected to enlarge the output of your farms while not only maintaining but wherever possible increasing their productive power. I cannot emphasize too strongly the fact that this work is just as truly practical patriotism as is the work of the soldier in the trenches. Our kinsmen in the Motherland have to be fed, so do also the people of the countries devastated by war. You in peaceful Nova Scotla are now in a position to do much for the cause of humanity and for the enduring benefit of our Empire."-Hon. J. H. Murray, Premier of Nova

"As a loyal component of the greatest Empire ever known, Canada is at war, and it is the duty

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"By each and every one of us doing the best that is in him and making the very wisest use of every acre that is under his control, we, as Canadian farmers, may do much to help our country, our empire and the great cause of freedom."-J. H. Grisdale, Director Experimental Farms.

Major-General Sir William Otter, in his message to the Canadian people, stated as follows: "Above all, measures should be taken to stimulate the production of food stuffs. One of the greatest services which the Canadian people can render to the Empire at present is to increase our supply of food for the British people. This is at once our duty and our opportunity."

From Hon. W. H. Hearst.

"The farmer at work in the field is doing as much in this crisis as the man who goes to the front."-From a speech by Hon. W. H. Hearst, Premier of Ontario, quoted by C. A. Zavitz, Gueiph.

"Great Britain has called on Canada for men and food. She will welcome all the men whom we can send forward, provided they are competent. In the minds of many there is an opinion that from now on we can best serve her purpose by sending forward food and by planning so that an ample food supply shall be assured during the next year or two."-C. C. James, Agricultural Commissioner, Ottawa.

And H. S. Arkell, Assistant Live Stock Commissioner, Ottawa, in the same war book, makes this statement: "A short-sighted, ungenerous policy on the part of the Canadian farmer must be regarded as a reflection upon his citizenship and upon the faith and patriotism of our rural people toward the duty of this Dominion and the future of the Empire. The opportunity now presented to Canadian Agriculture is not only of commercial significance, involving a wide development of our own resources and the permanent establishment of an extensive export trade, but it rests, as well, a challenge to the good sense and an obligation upon the loyalty of the people upon the land."

Both Coming and Going.

The farmer, in slang phraseology, gets it both coming and going, for if he doesn't don the khaki he is called a shirker and a slacker, while if he doesn't increase production it is said that it must be regarded as a reflection upon his citizenship and upon his faith and patriotism. Of course, this is not applicable to individual cases, but is an accusation against farmers as a class. It is manifestly unfair to doubt the loyalty and patriotism of farmers as a class, no matter which way the individuals may turn, and because increased production is necessary, a goodly proportion of the skilled farmers should remain on the land.

There was a shortage of farm labor before the war and the farm labor problem was becoming a very serious one indeed. Scarcity of farm labor was forcing many farmers to curtail their farming operations and engage in those branches of the industry that required less labor.

Farmer Boys at the Front.

And now that many of the farmer boys, men who were skilled in agriculture, have gone or are on their way to the front, the farm labor problem is still more acute. The farm does not get credit for the boys that it furnishes. They are enlisted at the centres of population, and the cities, towns and villages are credited with the quota of men the farms furnish. From one village in the Kingston military district, there are twenty-six boys now in the trenches and many more on their way,

but out of the twenty-six already in the firing line, seventeen came from the farm, or over 65 per cent. are farmer boys.

This rapid depletion of skilled farm labor must force a decrease in production in 1916, rather than an increase. In order to raise big crops skilled labor must be available to produce them. Where there is an average of less than one skilled farmer to each 100 acres of land big crops cannot be hoped for, and even then it would require heroic efforts on the part of the farmer to equal or come near to producing what is expected of

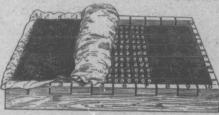
Skilled Farmers Necessary.

Unskilled labor on a farm is about as valuable as unskilled labor in a factory. Farmers must learn their business by years of hard work and study, and no novice can possibly do properly the work that is required of a farmer. Most city-bred people who go on a farm starve to death, and if Canada depends upon city-bred labor to work the

(Concluded on Page 11.)

A Home Made Corn Tester A. C. Maclin, Storment Co., Ont.

AM a corn grower, but the corn I grow is intended for the silo. In this county we have difficulty in ripening our seed, so I and my neighbors buy all of our seed from south-western



A Corn Tester as Good as the Best and Costing Nothing.

Ontario. If the arst seeding fails there is no time for a second one, and we must then depend on turnips. We are, therefore, very dependent on good corn seed. I never take a chance. I buy good seed, and then I test it, even when its germination test is guaranteed by the grower. If the seed tests low I then plant more heavily. If the test is high, a little over a peck to the acre will suffice. This testing of all seed will be more important than ever this year, and a description of my tester may be in order.

There are a great many testers on the market, selling at prices varying from \$5 to \$30, but mine did not cost 30 cents, and is just as satisfactory. I take a square box three or four inches deep and fill it with moist sand. The surface is then marked off in two inch squares as shown in the diagram herewith, which I have taken from a United States bulletin. Each square contains kernels from one ear. The square is marked with a number and the ear has the same number pasted on it, written on a gummed label. After the kernels are properly placed they are covered with a piece of cheese cloth, and on top of the cheese cloth I spread one inch of moist sand. The tester is then placed where the temperature will be fairly equable at about 60 degrees, the idea being to approach field conditions as nearly as possible. In a few days the cheese cloth is rolled back carefully, and the germination examined. If the germination has been high all round, then I would sow all of the seed of that lot without hesitation. If some years, however, the test is low and quite a percentage shows poor germination, I would plan to test every ear and use for seed only those that show up well.

Handling Manure on a Large Farm William J. Bald, Perth Co., Ont.

HERE are various methods of handling munrve in practice in our local"s. Quite frequently we see the manure drawn out and spread off the sleigh on top of a lot of snow, a very poor way unless, perhaps, on a real level field of sod. If put on ploy ed ground in this way it tends to leave the soil, if any way heavy, in a soggy condition. Another method followed by some, but gradually becoming less popular, is to team the manure out in winter in small piles ready to spread in the early spring, but owing to the frost remaining in these heaps so long, they usually are not spread for a long time, and lie exposed to sun, rain and wind until very little but straw is left to be thrown about, and the spots where the piles lay can be noticed in several succeeding crops.

Then we come to those who are more up-to-date and own a spreader. I do not wish to give the impression that I condemn this machine. It is all right in its place, and can be used to great advantage, but for handling a big bulk of manure successfully and in the shortest possible time, unless you can afford two spreaders, we prefer our own method.

We leave the manure all in the yard where it becomes tramped down tight, freezes quite hard, and very little is wasted. Right after the other

spring seeding is done, we engage another extra man or two, and with two good teams and low truck wagons, if far to haul, we take a third, we manage to put a very heavy coat on all our corn ground, and probably some for hoe crop that hasn't been manured in the fall, in about three days. We then get the men at spreading which is not a bad job when done while fresh. If the field is one that has been plowed in the fall we give it a thorough

cultivation before the manure goes on. Now, while the manure is being spread, two light twin plows are going, being very careful not to turn the manure under any deeper than that it is covered, and in course of a week or less our manure is out and under ground. I think in this way we have the least waste, and the soil gets all that is in the good old barnyard manure,

When all the planting is done we take the spreader, clean up all the manure that may have been left about the yard and put it on some nearby field of grain or meadow. A light top dressing on a field of oats, when u a few inches, works wonderfully.

To prove that our plan works successfully, we have a silo 12 x 36 which we filled last fall with less than six acres of corn, had four good men tramping continually, using the inside pipes, and on account of rain were stopped one day and one night, which gave it a nice chance to settle.

The Value of Good Seed

OOD seed corn is worth three dollars a bushel to anyone. Corn that will sell at one dollar a bushel should be strictly avoided by all poor men or those who must work for a living. Poor seed of any kind is a luxury for the rich. I base these statements on my own personal experience. Like so many others I have bought seed because it was cheap. But never again. I insist on good, clean seed, and am ready to pay for it. I have found that it pays .--Jos. McKenzie, Glengarry Co., Ont.

A seasonable hint: Do everything now to save time next spring.

1916.

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Our Experience Meeting---Commercial Fertilizers They Have Proved to be Profitable for Many Readers of Farm and Dairy

Farming With Commercial Fertilizers

C. Fred Fawcett, Westmoreland Co., N.B.

OTICING your invitation in a recent issue of Farm and Daise tion, I thought that perhaps my experience would be interesting. My farm proper lies several miles from where I reside, and has no one living on it since I bought it some seven years ago. It was an abandoned farm right proper. Only a very small part of it had ever been tilled much, and this had had about all the manure that had ever been produced on the place. I started in to crop the whole thing and planned my rotation, a three-year one-clover, potatoes, and grain seeded to clover.

The clover did not grow well, and what did catch and survive the winter never amounted to much. The fact of the matter was that the section I had hay on never was worth gathering, and I simply ran the mower over it to kill the weeds, and let the crop lie where it fell.

A Problem to Solve.

I noticed that the spots where I had burned the potato tops the year before always gave a great growth of clover after the oat crop had been cut, and you could see it in the following year as well. I could get very fine crops of potatoes and oats on this land, and the only fertilizer I applied was regular commercial fertilizer, put on when I was planting potatoes. The clover was what I wanted to grow now, and I set myself to find out how I could get this accomplished. Some authorities I asked about it advised that potash would do the trick, so I applied several bags of muriate of potash and watched for results. But in vain. Perhaps the clover was a little better, but not nearly like that where the burnt potato tops had been the year before. I did gather a little of the hay that year where I applied the potash, but moved the balance as usual. Taking the farm as a whole, it was improving in the growth of clover, as I could see some patches now and also follow some rows where I had potato rows the year before. This seemed a puzzle for some time, but later I found it to be where I had applied the home-mixed fertilizer and used basic slag for the phosphoric acid. This almost looked as though it might be the lime in the slag that explained the clover growth.

The Problem Solved

The next spring I made up my mind to try pure lime (burnt) on the ground after I had seeded to oats. I selected a large piece of the very poorest of the whole farm and applied the air-slaked lime from the end of market body with a long-handled shovel. I now again waited for results. The catch of clover was perfect, and I was hopeful. The winter came and went, and the warm days of May spoke to the tiny rootlets and they answered the call, and when having time came (about July 10th) the sight was very pleasing indeed. The crop was so heavy that there was scarcely room on the ground it grew on to make it properly, and when we put it in coil the field looked as though it were dotted with young hay stacks. It was a tremendous crop, and one long to be remembered. Right beside the plot that was limed the difference was very marked. I gathered the crop this year all right and planned one bay to hold the hay. This bay filled up, and then another was full, and I filled the whole barn where a few short years ago weeds and nothing reigned supreme.

Talk about the usefulness of commercial fertilizer! I, sir, take off my hat to the chemicals that make up good commercial fertilizer. I never had much stock, but I am quite willing for anybody to visit my farms and ask the neighbors concerning them.

Splendid Results With Turnips Walter M. Wallace, Shefford Co., Que.

HAVE used commercial fertilizers more or less for the last five or slx years, and believe I have received good returns on my investment. One advantage in particular which they have over man ire from the cities or other outside sources is their freedom from noxious weed seeds.

There seems to be a tendency to consider a possible increase in the crop the year the fertilizer is applied the only and final result of the application, but I don't think this is correct. I have noticed, after using fertilizer in the drill with corn, that the next year's grain crop showed a much stronger growth in the rows where corn had been. I judged this increase would amount to about 10 bushels per acre, or enough to paythe cost of the 400 lbs. of fertilizer used.



The Fortifications of a Dairy Farm. North and south, east and west the sile is coming into its own. In dairy sections or the interesting where winter housing and feeding are manuscaped the sile is fully appreciated, as this illustration testical constance. Corn slage is there a year-round feed. In Canada, too, the sile is being used both winter and summer, but its chief value is to enable the farmer to witheaud the slage of a long winter.

Last year I used half a ton of fertilizer on one and three-quarter acres of turnips. I left a short piece of one row without fertilizer, and although I thinned this piece first, so as to give it the best chance possible, I could see all summer exactly where the fertilizer ended. When the dry weather came, the tops of turnips having fertilizer covered and shaded the ground completely, while those without had not half that growth. We harvested 1,600 bushels from the piece, and I believe we have to thank that 1,000 lbs. of fertilizer for about 1,000 bushels of turnips. This would make the cost of fertilizer for one bushel about 11/2 cents.

Recruiting in the rural districts is undoubtedly going to make increased production a difficult proposition this year. In this section, scarcely a young man is left; but the application of fertilizer entails very little extra labor, and even if a very little profit is made from its use, the opportunity to add something to our country's resources, and thus "do our bit," should not be overlooked.

So much for theory. In practice, I have laid in a supply of three tons for this spring's use on 18 acres of crop, which will be applied with the

(Contined on page 6.)



A Few Pure-Bred Animals as a Foundation Will Soon Develop into a Valuable Herd, Such as This One.

THE

CUTAWAY

HARROW

Is winning its way on its merits. Farmers and agricultural experts. In williams us way on its meria. Sameles and agricultural capetus sometimes disagree on the details of farming practice, but they all agree on this, that the DOUBLE ACTION CUTAWAY DISC HAR ROW is the best implement that ever went on land. Do you need one Then this is the chance you have been looking for on your farm?

GREAT CIRCULATION

Turn your spare time into money. You can coin a dollar out of every

Turn your spare time into money. You can coin a dellar out of every hour of it. Head the details of our plan for securing one of these famous CUTAWAY HARROWS. They will show you how to equip yourself in the best possible way to meet the rush of seeding when the property of the property

FARMERS' CLUBS

May enter this contest. At will give them an excellent opportunity to add some money for their club funds, besides creating an interest amongst their members in this improved and approved agricultural implement. The rules governing Farmers' Clubs entering this contest

Subscriptions may be obtained from both members and non-me bers of the Club.

hers of the Clab.

2. The subscriptions may be secured by any of the members of the Clab, but must be forwarded to us through the secretary.

3. The prize becomes the property of the Club winning it, and may be disposed of in any way the Club may see fit. It may be sold privately or at public auction, or given away as a prize.

PROFIT IN A DOUBLE SENSE

will accrue to any Club winning one of these valuable and serviceable prises. Not only will it be able to make a substantial increase in the Club funds, but it will also secure a direculation of Farm and Datry amongst the members. To have Farm del Datry amongst the members. To have Farm del Datry soing to all the member of a club is the causiet way to keep them well informed and cathusiastic in their cooperative enterprises.

ENTER THE CONTEST NOW

You cannot lose—you stand a chance to gain. The winner of the third prize gets a valuable premium, one of the most valuable premium, one of the first prize will receive a premium that is worth much more on the open market than the total amount that he will send in for all the subscriptions he secured.

Circulation Department

Farm & Dairy Peterboro, Ont.

HOW I AM PREPARING FOR THE SPRING RUSH.

In view of the present labor situation, the most pressing problem of the farmer is to preproblem of the farmer is to pre-pare for the rush of work in the spring. What preparation are you making? Your experience may is of value to others. For the kest letter received on the subject, we will extend the subsubject, we will extend the sub-scription of the writer for one year. All others whose letters are published, will have their subscriptions extended for six months. Letters should not ex-ced 300 words in length, and must be received by March 18th. Address Question.

Address, Question Editor, FARM AND DAIRY, Peterboro.

stable manure from 36 head of cattle and four horses. I expect to apply most of the fertilizer by partly filling the manure apreader with manure, then spreading evenly over the the portion of 5 bag required, and then finish loading with the manure. This man the stable of the stable of the stable of the man of the stable of the stable of the stable of the min of the stable of th will be easily done, and no fertilizer can be lost by blowing away.

Commercial Fertilizers Profitable Harry R. Jonah, King's Co., N.B.

HAVE only recently taken up the use of commercial fertilizers, but use of commercial fertilizers, but aince using them I have had very good results. I have used basic size on oat ground one season, at the rate of 400 lbs an acre. My method was to the manage appendic at the late of the manage appendic at the season. set the manure spreader at the rate of five leads an acre, fill about half full with manure, then spread a layer of size, about 70 lbs, on the manure, and fill up the machine with manure. and all up the machine with manure. Then I spread the whole out together, which makes a very even distribution of the sing and overcomes the disagreeable job of sowing it by hand. The result of land treated in this way over equally good had without the sing showed a marked improvement, both in the stand of grain and in the catch of clove. catch of clover,

atten of clover.

I have also used some of the leading makes of fertilizers on turnip crops. The past season, on a field of two and one-half acres, an application was made of about 400 lbs. of fertilizer an acre on two acres, the remaining half acre receiving no fertilizer. This, of course, was in addition to a dressing of manure. The result was that the half acre receiving no fertilizer was not more than one-half as good a crop as the rest of the field.

My method of applying the fertilizer is to sift it on by hand on top of the row, and follow immediately with the seeder, which stirs it up with the ground. I believe the principal good derived from a light application of fertilizer is to give the turnip plants a vigorous start when first coming up, which I believe goes a long way in making or spoiling the prospect of a

turnip crop.

I intend using fertilizer in this way
on about three and a half scres of
turnips next spring.

Anxious

N the days of the land troubles in Ireland, two Irishmen, Pat and Mike, were concealed behind a hedge with heavy bludgeons, waiting to kill their landlord on bis return from the city. The landlord was detained much later than usual, and Pat began to grow impatient over the delay.

denay.
"Mike," said he in a hoarse whisper, "I wonder what's kapin' him?"
"I dunno," said Mike anxiously.
"I hope nothin's happened to .im."

Martha was rebuked for being too much occupied with the affairs of her own house. Community housekeeping

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a few you as and wi commen feed?—, to giv of the

of gra

given.
J. S. h grain sume t For gest a 16 lbs. grain, one pa portion three : timothy would the gra thing i

any sti vantage

A re Babcoel a pure hard. females were an test. C pointed advisab can soe sell for The

weeding generati ed beer one. In is no g a well real val not in tion. I the intr

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FEEDERS CORNER

Feeding A Family Cow

Reging a Family Cow

REBLP a cove a very good sone and
would like a little information by
gond of what is best to food a miled
over by the winner to keep her mile up to
a like calcular. I am feeding about two
a few held carroes verice a day. Would
you advise me adding a little oil meal
and what quantity of his would you reseed-1. S. Kent Co. On!.

Our reader has given so little information that it is almost impossible
to give him an intel gent answer.
We do not know how smuch milk the
cow is capable of pring, the local
price of foodstuffs, or the character
of the roughage ca hand. All of
these factors would vary the amount of the roughage of hand. At of these factors would vary the amount of grain and the kind of grain to be given. We will assume therefore that J. S. has a fair quality of mixed hay and that he must purchase all the grain feeds given. We will also as-sume that the cow is practically fresh and will give 35 lbs. or 14 quarts of milk a day.

For such a cow, we would suggest a ration for a day's feeding of 16 lbs. of mixed hay and 10 lbs. of grain, mised in the proportion of two parts brais, two parts out chop and one part of oil cake; this in the proportion of one pound of grain to three and one-half pounds of milk produced. If the hay is largely timothy, the proportion of grain would need to be increased. We would suggest two feedings a day, the grain and carrots being feel first the grain and carrots being feel first the grain and carrots being feel from the grain and the grain and carrots being feel from the grain and the same as night. If there is any staw available for feeding, it might be put into the manger last thing at night. The oil cake meal in the ration will be particularly adgrain, mixed in the proportion of two in the ration will be particularly advantageous as a regulator in this case, as there is so little succulence case, as there is so little succurence available, only a few carrots being

Pure Bred vs. Grade

A FEW weeks ago we visited a very successful dairy farmer who has built up a splendid herd of Holsteins: Daily milk records, the Babock test and the consistent use of a pure bred Holstein sire, all contributed to the high quality of that grade herd. A few years ago some pure bred females were purchased. They, too, hard. A rew years ago some pure bree females were purchased. They, too, were anbjected to the milk pail and fas-test. On the average they did not prove as good producers as their grades atable mutse. Their owner is disap-pointed in them and is considering the

pointed in them and is considering the activability of going back into grades exclusively. The only merit that he can see in a pedigree stretching right back to Holland is that the stock will sell for a higher price.

The test to which our friend has ambiected his pure here cattle is hardly a fair one. He had been selecting and weeding his grade herd for almost a generation. The pure bred females he purchased were out of untested stock. Had the level from which he purchased been as carefully weeded as his ed been as carefully weeded as his own the comparison would be a fairer own the comparison would be a thire-one. In the long run, however, there is no good reason why a well bred grade absold not produce as heavily as a well bred registered animal. The real value of the pedigreed animal is not in production but in reproduc-tion. Pure bred animals have been tion. Furs bred animals have been bred in one line for so long, without the introduction of outside blood, that their characteristics have become fixed and are much more liable to be reproduced in their offspring than in the case of a grade animal in which the taints of its annestors are strong and reversion may take place. It is for

this reason that a pure bred sire is more desirable than a grade sire, no matter how good a producer his dam may have been. At the same time we freely admit that there are poor pure bred animals, even as there are poor bred animals, even at there are pose grades, and the day when an enimal will sell merely because it has a post-gree is rapidly passing. Our friend, we knot will breed his new stock as intelligently, as he bred up his grade herd, so, reproductive capacity being taken into consideration, we advised him to stay with pure bred cuttles. They will do more for the upbuild-ite of the days cattle of the country. ing of the dairy cattle of the country

Oil Cake for Heifers

T WO before are equally well bred for milk. One is fed uil cake continuously from its cathod and the other control of the continuously from its cathod and the other control of the contro were otherwise intelligently fed and the lack of oil cake meal in the ra-tion of the second heifer also indi-cated lack of general good feeding, the first would be the better animal for milk production. Dairy farmers have not yet realized the full im-portance of development of calves and heifers in determine their me. portance of development of calves and helfers in determining their pro-duction of milk as craw. It how-ever, the second helfer were well fed the constant of the constant of the there would be little did not calcu-te there would be little did not con-tows, providing both were fed the same and their inherited milk pro-ducing softliky was similar. It should ducing ability was similar. It should be remembered, however, that oil ce remembered, however, that oil cake is one of the best feeds for both beifers and cows. It is a regulator, and when fed properly induces strong, healthy growth. Other feeds, however, can be used in developing good heifers.

Is Borrowing A Sin? "Young Farmer," Lennox Co., Ont.

S borrowing a sin? I am ful con-vinced that at least some kinds of borrowing are wrong. We started familing in this section 7 few years are. We have a good equipment of inglements. We had fleured the mat-ter all out and decided that there is a bioger return on money, invested in implements than in land. We took out a heavy mortgage on the farm and invested what capital we had in implements and stock. We thought it was good business policy. We are not

was good outsness poncy. We are not so sure of it now.

The neighbors soon found that we had implements that they did not. Borrowing implements between farms had been the habit of the locality ever had been the libit of the locality even since people could remember but there was very, very little of it done. All the farms had the simplest kind of implements, and as each man has the same implements as his neighbors,

montenants as the section was the section of the se

YESTERDAY I got my copy of Farm and Dairy for the week from the post office, but on the way home it was caught by the fierce way home it was carrier by the herice wind that was blowing and carried away. Now I hate to lose even one copy of your valuable paper, so if you have any copies left, kindly send me one.—R. D. Lyons, Kings Co., N.S. If Your Horse Could Talk

He would tell you that he can do lots more work when the wagon wheels are greased with

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A Farmer'a Profitable Flock W. C. Shearer, Oxford Co., Ont.

AIRY cows have always been the because the hens have been beating the cows for profits when surk and feed are considered. The housing system that we will follow will give us ideal conditions for keeping the flock healthy and et a minimum of expense. Our preference is a colony expense. Our preference is a colony house, 6 x 8, feet, with a shanty roof and mounted on cedar rails. Such a feet of the feet

growing period and a second period graw them together for winter laying houses.

We specialize in Brown Leghorns
with eggs as the main marketable
come male but wring the neeks of the main as their sex
can be detected as the main sex
can be detected as dozen in winter.
30, 38 and 40 cents a dozen in winter.
As the breeding season approaches,
we advertise eggs for satching and
then the price runs from 90 cts. to 80
cts. a setting right on to the middle
of June. These hatching eggs
of course the most profitable cause
of course the most profitable cause
of course the most profitable cause
of produce and, the price we see a
produce and, the price we see a
produce and the price we see a
stock.

stock.

We have had these Bro chorns for five years, and the original stock was gotten from Michigan and it was in that state that we got wise to the merits of the breed. The wife of a relative of ours there, had 150 Brown Leghorn hens. Each day during a visit that we made there, we noticed her carrying in a big basket and the state of the carrying in a big basket and the state of the carrying in a big basket and the state of the carrying in a big basket and the state of the carrying in a big basket and the state of the carrying in a big basket and the state of the carrying in the state of the carrying in the state of the carrying the state of the carrying the state of the carrying our 150-egg machine brought out 116 chickens in the first run, 127 chickens in the second run and 1135 chickens in the second run and 1135 chickens in the second run and 1135 chickens in the third run. Mes. Shearer and one of the boys run who is around home to regulate the temperature. We have had these Brow

the incubator as it needs someone who is around home to regulate the temperature.

We have not yet reached what we consider the ideal size of hatch, 200 to 250 hens, but we will have them for the next laying season.

Our new colony houses are giving the best of satisfaction; they are moved from field to field, as occassion for change requires and the chickens are robust and finding their own food. On September fourth the May hatched chickens were beginning to lay. We also sowed one-half an acre of buckwheat in the orchard popply them, after the stubble fields are the substituted of the control of th





R.C. Rhode Island Reds R. W. LITTLE. - Lakefield, Ont.

Single Comb White Leghorns Single Comb White Leghorns Roseheath Strain, of beauty and tility, bred to lay. Bggs, one-try per fifteen, \$7 pr: hundred, hicks, \$15.00 per hundred. For-lity and live chicks guaranted.



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wearing is no ser-cack to the oalf at gest Gardiner's Caff Meal with fm or separated milk. This Meal ovides the equivalent of the cream ken from the milk, making it equal now milk in every way.

he high proposition of Protein instanteed 19% to 20%) and of Per parameted 85% to 9%) make entirely a the most valuable California to the market. Caives, young init, lambs and little jugs thrive on aplandicity for the first few months.

Put up in 25, 50 and 100 lb. bags. If your dealer doesn't handle it, write us for prices and information about Gardiner's other products—Cvature, Pig Meal. See-s-fat and Ostorio Peeders' Cotton Seed Mesl.

GARDINER BROS., Food Specialists, SARNIA, Out.

SI Feeder for Swine

HE tendency in rarm management nowadays is to eliminate meaningment movadays is to eliminate with efficiency. Positryme have succeeded largedy in eliminating frills from their business and the hopper system of feeding is being almost universally actions to the resulting from the piggery. John M. Bever, in the piggery John M. Bever, in the piggery John M. Bever, in the piggery attention of the self-edgery of the self-edgery and the self-edgery meaning the self-edgery work is that hops have sense cough to balance their own ration. "Results were emphatically conformatory with the

emphatically conformatory with the proposition," said P'of. Everard, "and the self-feeder has demonstrated its efficiency as a gain maker and labor economizer."

Alfalfa Hay for Hogs

TRIAL in feeding hogs on alfal-A TRIAM in feeding hope on alfalfis hay was carried on at the
North Dakota Experiment Station by W. H. Peters An'mal Husbandman. The alfalfa hay was cut
into half inch lengths and was led
both dry and steamed. The hoge
were also fed a grain ration of barley
aborts and tankage. One lot was fed
only the grain feed, while with other
leds the grain ration was regimed and; only the grain rece, while who obser-lots the grain ration was reduced and alfalfa supplied in its place, the aim being to make the alfalfa fed hogs to gain as much as the all-grain lot. to gain as much as the all-grain lot. With young pigs the avring in ceat due to the alfalfa was 50c per 100 pounds gain on the dry affalfa, and 40c when the alfalfa was steamed. With the fattening hogs, the saving was \$1.70 per 100 pounds gain for lot fed the dry alfalfa and \$9.70 when the alfalfa. was steamed. alfalfa was steamed.

alfalfa was steamed.

Brood sows were also fed aifalfa hay. When the alfalfa was fed the grain ration (barley and oats) could be reduced one-third to one-fourth, and the sows did well on it. No difference was noticeable between their litters and those from the sows fed all

The growing pigs were fed one-fifth to one-sixth as much alfalfa as grain, this Long the amount that they would readily eat and keep mak-ing as good gains as the all grain lot. Alfalfa Eaten

Of the dry allalfs the fattening hope cat one-seventh as much as of grain ration and of the steamed allalfs one-sixth as much. The hoge did not eat as large a proportion of the allalfy as was expected. It, however, reduced the cost of making the gains so that it was well worth while. The price put on the feeds was one cont a pound for the grains, two conts for tankage and the alfalfs. Sil a ton. The observation of the trial indicate—first, that an order to get hops started to est allalfs hay in wire, it is necessary to limit the grain to such an extent that the hogy must east hay or go hy agry. Second, that **at handled in this way they "in very readily take to the hay and a limited

shoulders and galls

Lankford Humane Hozse Collar





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amount of hay can be fed very satisalfalfa gave considerably better retorily, securing just as good results, suits than the use of dry hay, though
just as good gains and at less cost the writer would not advise the steamthan the greatest advantage to be tion until the above resultance progained in feeding hay in the winter stantisted by more experiments. Furthere were the second advantage of the cost of feeding.

It is not the cost of feeding in good affalfa hay to hogs next winwith the other hogs the steamed to.

Manitoba's Dairy Industry Progressing An Encouraging Report of Dairy Activities in That Province

HE attendance was large and re-ping facilities be provided for cream-presentative at each season of eries. The company seemed to be de-the annual convention of the strong of assisting the dairy industry annitoba Dairy Association held on as much as possible. Manitoba Datry Association held on Feb. 16th and 17th in the Dairy Building of the Manitoba Agricultural College. All branches of the dairy industry from every part of the province, were fully represented and the program included addresses by both Program included addresses by both Province and Dominion authorities in different systems of paying for paying included addresses by both Province and Dominion authorities in different systems of paying for years fully represented in the program included addresses by both Province and College and

Prof. J. W. Mitchell, Dairy Commis-Prof. J. W. Michell, Dairy Commissioner for the province, brought to sight many needs of the dairy industry in Manttoba. The gaing of cream has been steadily along of cream has been steadily along of the creameries graded their cream well, some indifferently, and some not at all, and the beneatts derived were in proportion to the decree of grading. all, and the beneats derived were in proportion to the degree of grading. The biggest stumbling block to the The biggest stampling block to the proper grading of cream, was the country buying station, but an act of Parliament had been passed compelling the maintenance of cleanly conditions at these cream gathering cen-

A new scale of grades was proposed by the professor, which he claimed would encourage a better quality of cream. These grades were as follows: cream. These grades were as follows: Extra first came to be preficilly sweet; first grade cream to be freak free from objectionable flavors; second grade, sour or stale cream, but with no objectionable flavors. Cream not qualifying under these three grades, to be called "off-grade." Prof. Mitchell advocated a spread of three cents between extra first and first, and a spread of two cents between first and second grade. A considerate reply had been received from the transportation authorities to a letter sent them requesting that better ship

quastes possing system abouts the microarded. It had nothing for recommend it and everything pointed to its institution. The fair plus casein efficiency. The fair plus casein of the property of the property of the factory to be coondical. The factory to be coondical. The fair factory to be coondical. The fair fair fair fair fair was very good and practical fair was a very good and practical fair was very good and practical for the producer to be recommended to the fairly tried. What is badly needed was a universal method for the payment of milk for chease making purposes, and one that would not be partial, either to the producer and be partial, either to the producer and be partial, either to the producer fairly tried.

The engagement of so many incom-petent operators was regretted by Mr. Barr. It was the man at the weighing stand who controlled the quality of the milk, as well as the aspect of his patrons toward the dairy industry and incidentally he was the man who did much toward the production of a good final product.

Silo Construction in Manitoba. Sile Construction in manicos.

Mr. W. J. Cummings, of Gleanlea,
Manicoba, in discussing the place of
the sile in Manitoba agriculture, stated that he believed they would see
the day when they could mature corn
in Manitoba as well as they are now
doing in the Northern States. After
autilities the details of making good outlining the details of making good silage, Mr. Cummings discussed the silage, Mr. Cummings discussed the relative ments of the cement and stave sile, strongly advocating the use of the cement. He bolections to the stave sile were the inconvenience of having to use guy wires, the necessity of frequent painting, and of the tlathtening of hoops. A warm discussion to the contract of the co

point.

L. A. Gibson, Dairy Produce Grader,
pointed out the defects in the dairy industry of the province, as he found
them in his work of grading. A free
discussion followed this address, the
delegates endeavoring to discover
the best means of overcoming the defound which at the present time magnet the best means of overcoming the de-fects which at the pressus time marred the quality of the province's dairly products. One suggestion, made by Mr. Gostfck, was that the creameries of the province be supplied with a suitable scale card as a guide to the color of the butter required by var-lous markets, so that the maker would know the market requirements and lous markets, so that the maker would know the market requirements and plan his work accordingly. Mr. Gib-son's paper will be published in a fu-ture issue of Farm and Dairy.

Fall and Winter Feeds in Manitoba.

Prof. T. J. Harrison, of the M.A.C. in discussing the question of fall and winter feeds, stated that slage was the best succulent winter feed for Manitoba. Munesota 13 and N. W. Manitoba. Minnesota to and the Dent were the varieties best adapted for the province in general, but Long-fellow was peculiarly suited to the

Smoothly and Quickly the PAGE Engine cleans up the Farm Work

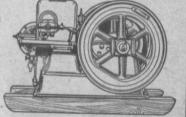
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Well, there just isn't any comparison. Because the Page Engine never complains no matter how much work you pile onto it.

With a Page Engine on your farm you can get more work out of one hired man than you could with three men working without its aid.

And you can operate a Page for less money per week than you would pay a half-efficient farm hand.

The Page stands out—the undispu'ed leader among engines—yet its price is low. That is partly because we sell huge quantities of our engines; partly because we are satisfied with a reasonable profit



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FARM POWER INFORMATION BUREAU,

THE PAGE WIRE FENCE CO., Limited, 1139 King St. West, Toronto

though Red River Valley. Qo/n should be feeling problem, but also rendered the sown in Manitoba from May 34th to farmer valuable assistance in dealing thus 5th. The cultivation should be with the weed nuisance. done regularly throughout the season and the corn should be cut in the glazed state.

1916.

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Oats and peas yielded equally well with corn for ensilage, but must be packed into the silo very much tighter, because of the hollow stems. The air present in these created a tendence for the ensilage to decay. Banner oats and Canada field peas make a desirable mixture for ensilage purposes. Some recommend Sweet Clover poses. Some recommend Sweet Clovar for slage, but Prof. Harrison strong-ly opposed its use for this purpose. The production of winter feeds in Manitobe has been greatly improved of late years and he was of the opin-ion that they can be produced just as cheaply and sasily as in the States to

Summer Feed in Manitoba.

"Owing to our comparatively late dinfall, we do not get the suscious rainfall, we do not get the suscious Freen pasture that some other coun-tries do," said Superintendent McKil-lican, of the Brandon Experimental Farm, in discussing summer feeds for the dairy cow. "On this account, there is more or less shortage of natural summer feed. Our permanent pas-fures are not very productive, and so as far?" on setiplateiory to the dairy as far? on setiplateiory to the dairy McKillican stoyed the uncount, Mr. McKillican stoyed the uncount, Mr. supplementary feeds for summer, Mr. McKillican advocated the growing of some annual crop. For a rotation pasture, a mixture of Western flye, timothy and red clover give good satisfaction. This could be supplemented by adult of grown annual crop, such as fail rye, which gives an ear-pasture if sown which gives an ear-pasture if sown could be supplemented by the growing of such crops not only helped in the animal crops not only helped in the animal

with the weee numance.

""" Villenuve, Provincial Inspector of cheese factories, recommended that a milder cheese, one that would cure more quickly, be made in Manitona. Meat of the cheese was put on the cheese was put on the cheese was put on the could not command as high a mild so could not command as high a price as well cured chees

Care and Feeding for Milk Production.

G. W. Wood, BiS.A. of the Agricultural College staff, spoke on the council and the committed care and feeding of the committed care and feeding feeding of the committed care and feeding feeding feeding of the committed committed care and feeding fee Care and Feeding for Milk Production. tion of milk, so that all cows should have plenty to eat. Cows did into how the many than the plenty of the many than the many t

custivation or the legiumes, the farmer could overcome this difficulty. Oats, bron. dried brewers' grains and oil cake, were the best feeds for protein in in Manitoba, Field peas and green cats made a good substitute for clovers as roughage.

Cream Grading.

The question of cream grading was discussed by several of the dairy authorities. Mr. Barr drew attention to the fact that last year, Alberta had

some 66 per cent. of her creamery by outlining the results of some expected per cent. in the second grade.

By continuing the present aggressive and-under-working of butter, stating program, there was no reason why disnitoba should not do equally as well as Atborta in this regard. Dairy-to-but and the stating of the sta By continuing the present agreeative program, there was no reason why Manitoba should not do equally as well as Abbota in this regard. Dairymen should porsist in grading strictly and in keeping the creen cool and sweet. Great tenent could also te derived from pasteurization, as both the flavor of butter and its keeping qualities were much improved by this process. Mr. Farrell, of the college dairy stall undorsed Mr. Barr's statements

toos market demanded one that was not worked so much. The officers and directors of the previous year were re-elected, Presi-dent, L. A. Race also being appointed as representative of the association at the summer fairs. Miss Cora Hind was made a life member of the as-

Fight or Farm---Which Shall It Be?

(Continued from page 4.)

land, the entire nation will very nearly arm of the enemy will be broken, starve to death.

There is certainly need of big crops and greater production of live stock to the litter end, by calling to her ald There is certainly need of big crops and greater production of live stock throughout Canada at this period, and every effort should be made to attain this desired end. That they may be had there is little doubt, provided, sufficient men are seft on the farm to grow them. And here is where recruiting restriction is necessary.

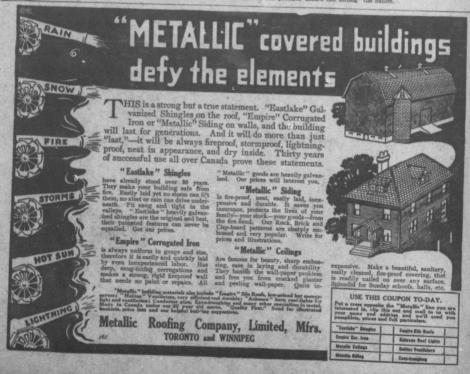
Restrictions in Recruiting.

An order should be sent out to all recruiting centres prohibiting the en-listing of any farmer which will leave the community short of the number of the community short of the number of farmers required to obtain the great-est yields, and this order should be strictly enforced. Instead of urging the farmer to leave his plow and join the colors, the farmer should be urged the colors, the farmer should be urged to stick to this plow and increase production for the good of the Empire.

It now seems likely that the present condict will be a long and a bitter one, and the Empire will sorely need all that it can produce before the strong

to the bitter end, by calling to his aid all her resources, and as agricultures is the greatest of all industries in the Dominion, the greatest yielded in the obtained from the land. To do Canada needs farmers and they are needed just as surely, and just as bad-way as soliders, and it is only by 'sptellineeded just as surely, and just as bad-ity as soliders, and it is only by intelli-gent action on the part of the Govern-ment that the best results can be ob-

Balancing a Nation at War. In a long and desperate struggle the nation that is properly balanced the nation that is properly balanced has the better chance, and the balanc-ing of a nation at war requires both soldiers and producers in quantities that will bring the greatest internal and external strength to the nation. It is ill-advised patriotism to quit producing to go to fight. If the war could be won in three months this action might sometimes be advisable, but in a long war it is much better to balance the nation.



FARM AND DAIRY

AND RURAL HOME PUBLISHED EVERY THURSDAY



SUBSCRIPTION PRICE, \$1.00 a year. Great Britain, \$1.20 a year. For all countries, except Canada, and Great Britain, add 50c for postage, and \$1.50 and \$1.50 and \$1.50 and \$1.50 an inch an inch and \$1.50 and \$1.50 an inch an inch and \$1.50 and \$1.

UNITED STATES REPRESENTATIVES STOCKWELL'S SPECIAL AGENCY Chicago Office—Pople's Gas Building. New York Office—Tribune Building.

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The Rural Publishing Company, Ltd. PETERBORO, ONT.

"Read not to contradict and to confute, nor to believe and take for granted, but to weigh and con-sider."—Bacon.

The Students' Conference and the Rural Problem

YEAR ago, the first annual conference on Rural Life and Work, was held at the O. A. C. The wealth of information brought to light at that conference was most reassuring to all those who had the welfare of rural Ontario at heart. The full discussion of any phase of the country problem was allowed and encouraged. Rural leadership, the work of the Y. M. C. A. in the country, the attractions and repulsions of farm life, were dealt with by well known men, including such practical farmers as E. C. Drury and W. C. Cood. The students of the college, with the experiences and impressions of the farm fresh in their n.inds, devoted their remarks. almost exclusively to the economic conditions that prevailed there. The farm labor problem, rural depopulation, attendance at schools and many other subjects, were wealt with, facts and figures, such as can only be compiled on the spot, being cited. The results of an investigation carried out amongst the students regarding their personal attitude toward the college and toward farm life was given out. From the students of Macdonald Institute, came a splendid contribution to the conference regarding the personal experiences of girls on the farm and their attitude toward country and city life in general. Very little theorizing was indulged in, and no panaceas were advanced. The object of the conference was realized to be the investigation of conditions as they actually existed in rural districts, and it promised to be a most valuable institution through which a rather full knowledge of actual conditions of rural Ontarlo could be arrived at.

To those who indulged such a hope, the results of the second conference, reported elsewhere in this issue of Farm and Lairy, are disappointing. The subjects introduced for discussion were narrowed down and all questions of an economic nature rigidly excluded. Rural health and recreation was made the sole theme of the conference, and it was carried on as if the solution of the rural problem consisted in killing the germs in the milk that the farmer used on his breakfast table, in supervising the teeth and the eyesight of his children, and in providing him and them with games and amusements during their leisuze

There is no objection to dealing with rural health and recreation as a part of the rural prob-Rural health is always a timely subject, though in these troublous times the serious discussion in a hall of learning of how best to introduce new fangled games among farmers, does seem to savor of the ridiculous. To make these subjects the sole theme for discussion at a conference called under the comprehensive title of Rural Life and Work, is getting things badly out of proportion. Last year we expressed the hope that no effort would be made to choke off the discussion of our great economic problems in our halls of learning, and that such honest investigation as characterized ast year's conference would be encouraged. The careful elimination of all opportunity for the discussion of economic questions by the students, would seem to indicate that this is another case in which freedom of speech has been inhibited.

Getting Ready for the Spring Rush HE sun will soon be shining on both sides of

the fence again. Almost before we know it the rush of spring work will be upon us. There has always been a spring rush, but this year it will be one that will make all former rushes pale into insignificance. The demand on the farmer for a full contribution to the food supply of the Empire was never so insistent as it will be this season, and in the history of Canada he has never undertaken to produce a crop under such handicaps as circumstances have now placed upon him. From every corner of the country comes the cry that the shortage of farm help was never so acute as it is at the present time. The already inadequate supply of men on the farms has been still further depleted to such an extent by the organized efforts of the recruiting sergeants that the situation is nothing short of critical.

One way of earing the situation is to leave nothing undone that will lessen the work of putting in the crop. The best insurance of a good crop is a well prepared seed bed, and anything that can be done now to leave the farmer free to devote every minute to the cultivation of the soil when spring arrived, will facilitate that preparaton. Thousands of our folks, realizing how much can be accomplished beforehand to clear the way for a big spring's work are putting forth greater. efforts than ever before to have every possible odd job out of the way before seeding begins. What are you doing in this regard? Perhaps you have some ideas that will be of the greatest assistance to others in circumstances similar to your own. 'The subject for "Our Experience Meeting" this week is, "How to Prepare For The Spring Rush." This topic should bring some of the most helpful letters that have been contibuted to that department. Any suggestion you may make will be cordially welcomed.

Free Wheat and the Milling Interests THE refusal of the powers that be to meet the demands of Western farmers for free wheat on the ground that the milling industry still requires protection, arouses some curiosity as to how the milling interests are faring behind the tariff wall that has been raised for their protection. In his book, Canadian National Economy, Jas., J. Harpell, editor of The Canadian Pinancial Post, throws some light on the subject. He says;

"The three largest milling companies have a

combined capitalization of \$3,500,000 of seven per cent. preferred stock; \$5,895,000 of common stock and \$4,573,100 bonds. The net earnings from the business in 1909 of these three companies were sufficient to pay all expenses, the dividends on the preferred stock and the bonds, and leave a balance of \$925,902, or over 15% per cent. for the common or bonus stock. The net earlings of these three companies on their actual investment must have been considerably over fifty per cent. Of course such a percentage was not paid. One of these companies paid seven per cent. on its common stock, another six per cent. The third paid seven per cent. in cash, and gave a bonus of fifteen per cent. of new common stock, thereby further increasing their watered stock by this amount. The balance was carried forward. The surplus or undistributed earnings of these three companies at the end of 1909 amount to \$2,360,625."

As stated, these figures are for 1909. Since then the milling industry has continued to flourish. During the balance of the boom years, its progress was commensurate with the general progress of the country. Since the outbreak of the war it along with some other of our industries, has experienced a new burst of activity. War orders are keeping all the mills running at full capacity and we have reason to believe are quite as profitable to those engaged in the milling industry as to those engaged in some other industries on which the light of publicity has been shed. Their earnings are out of all proportion to the rewards of the producers of the grain. The farmers of the West are fully cognizant of this and their resentment at having their interests sacrificed to the interests of the milling industry is fully justified.

Direct Taxation and Government Economy

B ARON Shaushnessy has served notice that corporations are not going to contribute a large share of their earnings to the revenues of the country without seeing to it that all extravagant expenditures in the administration of goverament are duly curbed. In this he has the hearty approval, not only of the corporations affected, but also of those whose capital is well below \$50,000, and whose returns in investment are safely within the limit of seven per cent. The only objectors will be the profiteers who had planned to divert some of the vaid extravagant expenditures to their own coffers Considering the generous way in which their country has treated them in times of peace, however, it is hardly likely that they will have the hardihood to press their claims in times of wa.

The action of Baron Shaughnessy is an illustration of one of the great advantages of direct taxation. When the federal taxes are hidden away in the grocery bill, or the price of agricultural machinery, and are looked upon by the benevolent. consumer as a part of the cost of production, butlittle concern is taken in the way they are expended. But as soon as the cole cash is paid directly into the treasury, a lively interest is evolved in its ultimate destination. As long as it is the government's money that is being squandered, only a casual interest is taken in the matter, and those who appropriate it to their own use and benefit are bailed as financial wizzards and beacon lights of society. But as soon as the people have to tell down their dollars for taxes, and feel that it is their money that is being voted away, they demand one hundred cents in value for every dollar of it. Direct taxation would soon put a curb on governmental extravagance, and we will get the most efficient expenditure of public funds only when all indirect taxes are abolished and direct. taxation substituted.

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Students Discuss' Rural Health and Recreation

Interesting Conference Held at the O.A.C. Two Much Neglected Subjects Treated From Many Standpoints

THE student body of the O.A.U. is of time is wasted in school because smaller by about one hundred children were unable to study, owing than tanger year, but this did not to minor aliments. If children were detrect from the success of the second taught play and recreation, there annual conference on Rural Life and would not be so much need of medical

Students Discuss Recreation.

Messer, J. E. McLaser, J. T. Johnston, J. B. Martin, P. D. Vahey, A. H.
White, and Misses J. Great and A. M.
Bott dealt with the questions plant and recreation from the shad of polaries and recreation from the shad of polaries and recreation from the shad of polaries of the community as a whole, the teacher, the community as a whole, the teacher, the pupil, and the older people. The moral value of these activities was also emphasized. In the majority of country districts to-day there was not the same social enlywhere as in the same social enlywhere. schools, and husking and logging bees, actions, and quasing an sorting bees, although in some communities, where the value of recreation had been recognized, the social conditions show an improvement. The recreation idea had to be worked out to a large extent had to be worked out to a large extent in the actionis, and well trained teachers were necessary, the teachers were necessary, the teacher were the teacher were necessary, the teacher were necessary arousing their interests, and increasing punctuality and attendance. Playing baseball for instance, and keeping the score, unconsciously added children to write and count, by alding them to control their muscles, and overdise held brains. Fursi children over and skilled in playing ordinary scales, localisate the importance of it. See the score of the sco

housesy, trumismess, square centre, housesy, trumismess, square and team play, or cooperation.

The social conditions existing in the country developed objectionable characteristics, as alcomess, lack of training the control of the country of the

Fifty Per Cent. of Children Defective.

Miss Maud Hotson spoke of Medical Miss Mand Hotson spoke of Meelingling and Unissed Opportunities of the Church. Inspection in Brard Sciologia and gave Unissed Opportunities of the Church. In the physical conditions in E. Carnerosa gave his experiences to the physical condition of eshool as a Bisset Representative in a small children. Five schools wiles school, as a country school, a high school, and a country school, a high school, and a young fellows still leafed to the country school. Fifty per cent. were streets. Is some cases the church had build defective in some way. A lot ectually discouraged their attempts

than inst year, but this did not determined to the control of the sources of trouble in the community as water, food, files, milk, and people.

As water, food, files, milk, and people.

As of the property of the property of the second of the second of the water water for the second of the se

Rural Nursing.

or milk was strongly emphasized.

Rival Nursing.

Aliae Mackessie in speaking on Rural District Nursing, showed the need of this service in country district, sepecially in the west, among people in moderate circumstances, and hernelf so the work of the Canadian yleotral Order of Nurses, of which she is superintendent. Until 1900 the work was comined whelly to district nursing in the harps cities, but in the superintendent. Until 1900 the work was comined wholly to district nursing in the harps cities, but in the sast fafteer years the work was pread into the suprounding rural districts. When a canse was brought to notice, the aures went out, put things in order, took note of the other occupants of the house, and the sahitary conditions of the country of the present of exceptional shifty. The powerful of exceptional shifty, the powerful of exceptional shifty of the country of exceptional shifty of the country of exceptional shifty, the powerful of exceptional shifty, the powerful of exceptional shifty of the country of exceptional shifty of the country of the count

WHICH WILL YOU BUY





Cream Thief" or a "Savings Bank" Cream Separator?

WITH a great many machines or implements used on the farm it doesn't make much difference which of several makes you but to the control of th

Not so with buying a cream separator, however, There is a big difference in cream separators.

The most wasteful machine on the farm is a cheap, inferior or half worn-out cream separator.

The most profitable machine on the farm is a DE LAVAL Cream Separator

A cream separator is used twice a day, 730 times a year, and if it wastes a little cream every time you use it it's a "cream thief," and an expensive machine even if you got it as a gift.

But if it akims clean to the one or two bundredths of one per considerable business and thousands of tests with a Baboock Tester show and business then it's a cream saver, and the most profitable made or implement on the farm—a real "savings bank" for its fortunate owner.

But cleaner skimming isn't the only advantage the De Laval user enjoys.

There are many others, such as ionger life, easier turning, easier washing, less cost for repairs, and the better quality of De Laves cream, which, together with its cleaner skimming, make the De Laval the best as well as the most economical cream separator.

Lavar tile pest av vertil at the time continuers is no reason why you should let fits first cost stand in the way, because it may be purchased on such liberal terms that it will actually pay for itself out.

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to organize some form of recreation. and old time candio making, weaving The agricultural office was thrown and churning were shown, and an old open to the boys for use as a library, fashioned dance exhibited. This perand baseball, football and other sports formance was agreed to be the best

and churning were shown, and an old fashioned dance exhibited. This per-formance was agreed to be the best part of the conference.

A lecture on the influence of Pagean-try, Drama, and Story-telling, in coun-try life was given by A Maclarac, Col-lege YAM.C.A. Secretary. The stage in the gymnasium was made to re-present an old fashioned log cabin



THERE are many successfu' short cuts in work and living; but none in character building.

The Taming of Big Jim BY CATHA WELLS

o Big Jim's jaw fell. He loosed his hold. "You from Missouri? I never knowingly harmed a fly from the old State. You may be lying 1 hope you are—but it's saved you this time." And he strode out into the night. Then came Pansy. Pansy was the boas' daughter, his baby, he called her; but when she came with her mother to visit the ranch she turned out an eight-year-old girl. The boas himself was a Texan, but he had found ALL conceded that there must be some tender point in Big Jim's make-up. Nobody Big Jim's make-up. Nobody could be as hard through and through as his surface would indicate. He was a big, brawny man, almost past middle age, with a twisted leg that gave him a limping, unsteady walk. None of us had ever heard the reason of his lamanage among the lamanage that is a surface of the lamanage that is a surface of the lamanage among the lamanage that of his lameness; none of us had ever dared ask; none of us had ever dared

ask anything about Big Jim to his face. He had a mighty unsociable way toward unsociable way to questioners. About questioners. About all we knew of him was that he was touchy on the subject of Missouri, from which we gathered that he must have halled from the old State or held someone mighty dear who

He used to sit by the fireplace in the old ranch house of nights, chewing and spitting tobaccu, sometimes whittling a litsometimes whitting a lit-tie sliver of pine into nothing in particular, but just seeing how tiny and weak and thin he could make it. Other times he'd sit and do nothing but scowl with those deep-set eyes of his straight the fire.

the fire.

We just naturally learned to respect his silence. Of course the lesson came hard, and once or twice proved nigh fatal for the scholar. We had to learn two things. One was not to talk to Big Jim about anything, be it branding calves or strong coffee: the other was not to mention before him anything about Mis-souri that didn't add to fier glory. All of us regulars, as I might say, had won our degrees; but the newcomer, the tender-foot, stumbled now and

remember the I remember the time that a little pale-faced that a little pale-faced fellow stopped over for the night, his wife up around Kansas City, and He was bubbling over with talk, the child was straight from the Houn' and all at once he started an ugly Dog State.

story about Missouri.

With an oath Big Jim caught him by the neck and shook him like a ter-rier. "No man can tell such a story before me. I'm from Missouri," he exclaimed.

"Walt," the little fellow found his tongue, "you ain't heard all."

"I've heard enough," said Big Jim, hoarse with passion

"But, you see, I'm from Missouri my-

the kid won't be here long enough for us to change our way of living."
"No, indeed," the lady laughed.

"No, indeed," the lady laughed.
"Pansy and I just came down to see
how you and Daddy live. We want
you just as you are," and she took the
chair he held for her.

chair he held for her.

Pansy stood undecided before the
big fireplace, watching a pile of
crooked roots crackle into blaze. Then
she turned to where Big Jim sat—his
buck as usual half turned to the reat
of us—whittling on a tiny strip of
pine, making it thanner and smoother
with such atrocke.

"Others wroot to bure positions."

with such stroke.

"Queer wood to burn, isn't it?" She
bent over and looked intently at his
bent over and looked intently at his
withtling as she continued: "It's not
like the wood in Missourt, is it?"
We all found ourselves listening for
Big Jim's answer. "It sure aln't,"
came just as natural as though he always replied to those who talked to
him.

"Which do you like best to burn, hickory or oak?" And we all knew she was still thinking of Missouri, for down here nothing was known for fire but old mesquite and chaparal roots.

"Well," and Big Jim straightened himself up, "I always thought hickory made a good, hot fire, but I like to watch the color from oak logs."

"Yes, I do too." She togs."
"Yes, I do too." She tepped in between him and the wall and perched
herself on the rough edge of the wood
box. "You're making a "fairy's wand,"
aren't you".

Big Jim rubbed his hard thumb over

the knife blade as he gazed thought-

"Did you see those green and blue hubbles in the fire?" she asked him presently.

"I sure did. I was making that 'fairy wand,' as you call it, so if a little fairy came out of those blue bubbles I'd Lave it ready. You'd better keep it." And Big Jim clicked his knife shut and left the room. "I sure did. I was

Pansy crawled up in her father's arms. "Isn't he a sweet man? I'm glad he's my friend."

The next moraing Pansy was perched on the top bar of the corral fence watching the cowboys select their mounts. With a critical eye she glanced over the fitteen or twenty, horses that were crowding together. Finally she stretched out her hand and called. and called:

"Daddy, I'd like to ride that big black one."

An amused twitter ran among us, for she had picked out Big Jim's horse. No one but him was ever permitted to touch Trojan, much less ride

The boss laughed. "Choose another, The boss laughed "Choose another, Baby; that herse's private property." "But I want him," pouted the child. "He's the nicest one here. Why can't I nave him?"

"She can," said a gruff voice, and Big Jim, going among the horses, led Trojan out.

The child clapped her hands. "Oh, he yours? Of course, then I can

ride him. "But, Jim," said the boss, "Pansy

Big Jim taught her how to Big Jim taught her how to sit, how to hold the reins, how to put Trojan, the only gaited horse on the ranch, into a single-foot or lope. As she grew into a fearless, daring rider, there wasn't much in the way of horseflesh she wouldn't tackle, and she got the habit of hopping any horse that stood

handy.
One day—the memory one day—the memory is so strong that I can etill smell the burnt hide and hear the plaintive bawling of the calves, for bawling of the calves, for we were working in the branding pen when it all happened, and the air was stifling with smoke and dust—the horses were standing at the hitching rack outside, patient and quiet, all except Gotch. He, a vicious, untrained brute with an evil reputable, and the street when the street when an evil reputable with a street with a street

So heard something of his devil nature, see Perhaps she had, and that was what nor prompted her to slip the rope from his neck and apring to the saddle.

Gotch reared straight into the air. and when he struck earth again it was a long way from where he left was a long way from where he left it—his feet were planted close together and his head low. We were all looking now, for someone had shouted, "Look! Look! That child's on

Only Big Jim seemed able to move. He cleared the fence—it took time to open gates—and made one bound for the rack and Trojan. But in that



These Children Are Walting to Be Adopted By Our Folks.

heae children are awalting homes at the Children's Aid Society children. Stratoord, Ont. The two younger boys in the front row are brothers and sister, and it would be well fit they conditionate from charge in the street that the sister and younger brother, three years old, good counts from Charge and the street of the sister and younger brother, three years old, good gifty promise of good and useful lives. Taking a node agrount of distance of bravel. The gifty promise of good and useful lives. Taking a node in the sister of the street of the sister of the most particular of works. The Stratoff has do 300 such children or the sister of the most particular of works. The Stratoff has do 300 such children or the sister of the most particular of when doing well-tereated should write deposit to Hund Pergrasson. Timpector.

Dog State.

Dog poste.

She was a fairy-like little thing with tawny hair and deep blue dyes. That first night at supper she kept noticing Big Jim. His glumness seemed to bother her? She didn't speak to him, and when everyone else would be laughing at some remark of hers she would glance at him with puzzled lines on her odd little face.

After supper we stood round kind of awkward, not being used to ladies' company, when the boss said: "Draw up to the fire, boys. The missus and

fully at the little whittled sliver. So "fairy wands" were what he had been making all this time—neither he nor any of us knew it!

"Let me see." She held out her hand. He gave it to her. "You can keep

"Oh, no, you must keep it so the fairles will know you like them. Do you know," she puckered her little brow earnestly, "I wasn't sure at first if you were cross or just thinking. But I kept looking until I saw."

"I was--?" "Oh, thinking of course," she answered simply.

down horses Jim's faintin to go soon. party the ch It's so

We Twas party. boys, chiefs

with e

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he came She los teen can enough." green and blue she asked him making that all it, so if a lit-those blue bub-You'd better You'd better

e room. in her father's reet man? I'm

Pansy was cowboys select critical eye she en or twenty vding together, out her hand

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ran among us, ut Big Jim's was ever per-much less ride

hoose another, uted the child. re. Why can't

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hands. e, then I can

boss, "Pansy w how to ride. fe for her."

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L. He's gentle

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w her how to

sy stole from ose what was cowboy than his mount. old the reins, Trojan, the Trojan, the horse on the a single-foot she grew into daring rider, much in the

reflesh she tle, and she t of hopping that stood

the memory that I can burnt hide he plaintive e calves, for king in the when it all the air was smoke and orses were the hitching patient and cept Gotch. , untrained evil reputa round when She l up. She
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to the air. to the air, the again it ere he left close to-We were all ad shouted, child's on

le to move.
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bound Gotch changed his mind about as she started to cut it Big Jim found bucking and had sitzried in a turious gallop down the road. Treacherous as he was in most things, Gotch held for place on the ranch when it came of the place on the ranch when it came of the place on the ranch when it came of the place on the ranch when it came of the place on the ranch when it came of the place on the ranch when it came of the place on the ranch when it came of the place on the ranch when it came of the place on the ranch when it came of the place of the ranch had been dead to be should be the place of the

prior. It seemed that they has busy cone notion between them—to ride down Gotch.

We followed their trail. Once they will be considered to the said we saw froight had gained busy and we saw froight had gained busy and who was a hill cut off the view, and whome an in sight.

Perhaps we prayed. What do men do when powerless before danger? Ask those who sit at home and read. I only know we dug our apurs into our recking horses and plunged on. Some of us whompered. Don't ask who; "I awonder we didn't have!" I wante with the work of the work of

The time for Pansy and her mother to go back to Missouri came all too

to no back to Missouri came all too soon.

"I am going to have a big dinner party the day before I leave," said the child. "I want you all to come. It's somebody's birthday," she added, with a sly little not one of us. "I was a queer gathering for a child's party. Bronzed, rough-dood, child's party. Bronzed, rough-dood, child's party. Bronzed, rough-dood, child's comparity, Bronzed, rough-dood, child's party. Bronzed, rough-day dig with changing spurs and high-heeled boots, polished and slicked, gathered around the table.

boots, polished and slicked, gathered around the table.

The talk wasn't as natural and free as usual—the occasion was too momentous. A read dinner party wasn't to be treated lightly. If anyone talked too loud the rest of us scowled, and he imulculately sank below the auch and he included the table of the second of the sec

ever, the dinner was on the whole a surceas.

At the end, Panay went over to a control of the co

agein."

She looked at the cake. "I wasn't sure how old he was, so I put on nine-teen candles to be sure and have enough." Not a man snickered, but

with, that's what it's for. It's weat, which was a simple of the state of the state

ing to test her how—how splendid you are!"

With sudden impulse, Big Jim gath-ered the child in his arms—Farm and Fireside.

A Valuable Emergency Shelf Mrs. W. Mitchell, Wentworth Co.,

W HAT is the drst thing the majortly of us think of when
under the drop of the drop of the drop
in? Something the drop of the drop
in? Something the drop of the drop
who believe that anything is
an output of the family and that antractive dishes are to be served when
company comes only. I like to have
good meals served attractively for
the home folks as well as for the
occasional visitor. Even where this
plan is practiced, however, sometimes
it seems necessary to resort to a pick
it seems necessary to resort to a pick

plan is practiced, however, sometimes it seems necessary to reacessary to reacessary to reacessary to reach to be the very day a vision of the control of th

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dressing, a Lottle of dried bread crumbs, nutmasts, felly powders, and so forth. When I dad it necessary to propare a "company" mad on short notice, if it is on my emergency shelf, and before my suests of which I need so before my suests of which I need to be before my suests of which I need to be before my suests of which I need to be before my suests of which I need to seep a number of kinds of covates on hand in the company of the content of the con

The Bobolink

The Bobolink

This bobolink, size bird, or reed bird, is a common summer resident of the United States, north of about latitude 60°, and from New Rogland westward to the Great Plains, wintering beyond our southern border. In New England there are few birds about which so much romannee clusters as this rolliciting acqueries as this rolliciting acqueries, naturally associated with annay June meadows associated with annay June meadows but, in this South there are none on Northern Security of the Common Secu



the exclusive diet of its brood. After the young are able to fly, the whole family gathers into a small flock and begins to live entirely upon vegetable

This vegetable food consists for the most part of weed seeds, since in the most have being do not appear to attack grain to any great extent. They est a few out, but their stomachs do not reveal a great quantity of this or any other grain. As the neason advances, they gather into larger flocks and more southward, until by the end and more southward, until by the end of August nearly all have left their conting grounds. On their way they consider grounds. On their way they have been a southward to the southward to the southward to the southward to the southward waters of their southward migration, they are recommonly known as received as game. This vegetable food consists for the

reed birds, and becoming very fat are treated az game.

Formerly, when the low marshy shores of the Carolinas and some of the more southern States were de-voted to rice culture, the bobolinus made great haves both upon the made great have both upon the the rice rice in the suring and upon, the rice rice in the suring and upon, the rice rice is the suring and upon, the rice rice is the suring and upon, the rice-restant districts movever, this damage is no longer done.

Stunning water in the house may be had easily. Set a large molasses punches no on the second floor, directly over a partition. Sun water from the eaves to the tank and thouse to the sink.—F.S.



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Light on Scriptural Prophecy

Is This The Great War?

WHAT greater reason is there for thinking that the present great to precede the second advent of Christ than there was in connection with the Napoleonic wars?

Many earnest Christians who lived in the time of Napoleon, did look at that time for the second coming of Christ. Some of them thought that that time for the second coming of Christ, some of them shought that Napoleon was the them shought that Napoleon was the them shought that Napoleon was the them of them of them of the the them of the the them of the the them of the th doors. During the past 28 years there has been a world-wide movement among the Jews to return to Jerusa-iom. Milliones of dollars have been raised for that purpose. At the time of the outbreak of the war over half the population of Jerusalem was composed of Jews. A national meeting for Canada was held recently in Montreal and not long since a similar. for Canada was held recently in Mon-treal, and not long since a similar gathering was held in the United States. It is expected that as a re-sult of this war Turkey will lose Palestine, and already leading states-men of the world as well as great metropolitan datiles, the the London Globe and London Mail, are suggest-ing that Palestine shall then be given ing that Palestine shall then be given an outcome the Jewisting and an outcome the Jewisting of this kind happened at the time of Napo-leon.

What Difference Does It Make?

I F we are living day by day ready to meet Christ at any moment and are busy in His service, what difference does it make whether or not we are watching for His second advent?

There are many reasons why we should be watching for the second coming of Christ, the chief one of which is that Christ Hamself comwhich is that Christ is mise commanded us to, both by 'asy of direct command as well as in parables. Note Matt. 24: 42 and 44, as well as verses 45 to 51. Note also Matt. 25: 1 to 13 and 14 to 30. See further Luke 21: 24 42, 35. Another state of the christ command is to 30. 34 to 36. Another reason is the fact that we cannot ignore it without is-noring a great part of the Scriptures. It has been said by those who have taken the trouble to count that Christ's second coming is mentioned Christ's second coming is meatimed 335 times in the 290 chapters of the New Testament, and that it occupies one in every 5c verses from Matthew to Revealation. The Lord's Supper. by way of comparison, it alluded to and explained in only four books of the Nev' Testament while silence is kept about it in 25; but the Lord's Second Coming is emphasized in 23 books, and only four keep silence about it. The emphasis laid upon it in the Scriptures shows how necessary it is that Christians shall not be ignorant concerning it. Did Christ Mislead His Disciples?

F Christ did not intend to return for 1,000 or 2,000 years, why did He lead dis disciples to expect His return at any moment?

The third cnapter of 2nd Peter deals

The third enastes of 2nd Peter deals with the second coming of Christ. In the third verse Peter warned the early Christians that 'in the last days' scotters would arise with last days' scotters would arise with the second of the coming of Christ. In the second coming of Christ. In the This was a clear intimation that the Lord might not return for a couple of thousand years. On its basis of thousand years, On its basis of the couple of the ing in this connection in verses 10 to 14 of the same chapter.

The Upward Look

Travel Thoughts-No. 23 Some Helpful Ones.

MEMORABLE hour was spent in A MEMORABLE hour was spant in the front of the Leiand Stanford University, situated not far from San Prancisco. This University was erected in memory of a beloved son, who died in the prime of youth. The chapel, with its exquisitely beautiful interior, its stained-glass windows, its rare mosaics, was seriously damaged in the earthquake, which ravages are not yet all repaired.

Around the walls, carved in the same are extracts selected from the writings of Mrs. Stanford. These are my favorites, which I copied down especially for the readers of the Upward Look

"The highest service may be propared for and done, in the humblest surroundings. In years of uneventful, unrecorded duties, the Son of God grew and waxed strong."

grew and waxed strong."
"We say fold is love, but if we do not feel the power of His love, we do not know anything about £t."
"In seeding ovents, the good Father also seeds means by which they may be endured: Remedies in alckness, love in trouble, comfort in weakness, remewed hope in disappointment, tears, in sorrow, smiles to follow tears."

In sorrow, smiles to follow tears."

The instinct given to all of God's children to seek happiness, is a proof that happiness is a resitty and within reach of all."

reach of all:

There is nomething in all hearts the can be reached, some chord that the can be reached, some chord that the can be reached, some chord that the can be reached, so touch it.

There is no touch it.

There is no touch it.

There are the control of the control of

"When a person thinks a duty is beneath him, he places himself above God, for He deals with that same duty."

duty."
"May the peace which no earthly disturbance can mar, which is of the Father through His inspiration and love, fill your hearts and enable you to go on in the journey of Mfe, with the feeling of trust and confidence, that nothing oan desurth."—LLM.

Can Meat for Summer Use

T is generally recognized that there is an important winter as well as summer canning season, if an a summer canning season, if an adequate meat supply is to be provided for the family during the summer months when sait meats only are available to those distant from market. Miss Heien J. Sulliyan, Agricultural College, N.D., gives the following, directions:

tural College, "N.D., gives the followin, directions;

If a beef has been killed, part is
preserved for the winter use by trees,
ing. The remainder, including the inferior cuts, has been canned successfully by the tollowing method: Stripthe meat from the benes, using that
which is well streaked with fat, or
add sufficient fat to each can to give
it richness and flavor. Cut the meat
into auitable sized pleces, pack closely
in glass jars; add sait and pepper to
taste. Fill the jar almost full of the
meat, adding no water. Put on new
rubbers which have been boiled foraverage and the strip of the size of the congrowth of the size of series tops,
screw the top ones of serew tops,
screw the top are size of the size of the
cover the jars. Boil from three to
four hours, depending on the ago of
the beef, counting time when the
water begins to boil. Remove from
the boiler and tighten cover. Do not
lavert the jars as it will disturb the
layer of fat to bop. invert the jars as it will disturb the layer of fat on top.

The canned meat may be used cold for meat loaf, hash and stews of various kinds. Fish, chicken, pork, and all kinds of meats may be canned in this manner.

Satisfied With Her Tea Set

RECEIVED the tea set all O.K. and am more than pleased with it, as it looks just fine on the table. I will do my best to get others to secure you some new subscribers. This makes 21 subscriptions that I have got for Farm and Dairy at different times.—Mrs. H. Sharp, Wentworth Co.,

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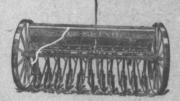
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S. W. Croxall.

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An effort is also being made to ob-tain United States labor. It is under-stood that two representatives of the Colombation Department have been de-spatched to Port Huron and Syracuse spatched to Fort Hirm and Syracuse to make plans and sport as to what help is available there. It is stated that from this quarier su0 or 650 men are almed at. It is not considered that any difficulties will arise from the authorities on the United States side.

Mulcted by Hog Buyers

CCORDENG to a recent Ottawa de-A content to a recent cutawa to spatch, figures comiled from the official thue books by Mr. Archie B. McCoig, M.P. for West Kent, the farmers of Canada who raise hogs

Archie el. McCole, M.P. for Weat Kont, the farmers of Canada who raise hogas have been mules to the extent of \$170,900 turing the state of \$170,900 turing tur

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IKE every other great indusary progressive dairying is fast demonstrating the fact that only those succeed who familiarize themselves with each detail pertaining to their vocation it is often the dairy farmer's unwillingness to face his own errors that stand between him and success. He does not like to leave old customs for new, but prefers to trudge along in the same old track, rather than take the trouble to familiarize himself with new methods and the second of the

amount. The conditions of soil and amount he conditions of soil and climate practically the same in both carbon and the conditions of the conditions of the condition of the con

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Aronessor mansen or South Dakon, are being tried at Brandon. These all succeed well, but none are so estimated to the whole as some of the best sarains of Manitoba Native plum. One of the best and earliest plum. One of the best and earliest of the best called the Major plum. Purchesses and including a contract of the same proved strains of the native plum. Currants, goodebories and reapphorties all succeed well. Experiments are being conducted in testing out the different varieties of bush fruits, Different methods of routhing and winter protection are also being tried. Strawberries have been grown with great success for many years. Experiments with varieties and winter protection are being conducted.

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To make a particular field produce the greatest profits, it is necessary to select a fertilizer adapted to the soil conditions of that field and to the particular crop to be grown.

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NIAGARA HOLSTEIN BREEDERS.
At a meeting held at Welland on Feb.
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THE DUNKIN DISPERSION

kin. Norwetch, Ont., hat wend the sold thick almost \$7,400 for the 68 head of the sold the so

Thompson: Bhadlawn Ina Beho, \$178.
A. E. Hhist, Newylch: Shudawn Ina Gheen, \$146.
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J. Cornell, Norwich

Shadelswin Canary Jewel. 118, 20. A. Shadelswin Canary Jewel. 118, 20. Mort Newylch: Bollow Market State Sta

Palicy, Brantford; Shadelawn Lillie Queen, \$145, Geo. McCombea, Burgossville; Shacelawn Aulinda End's Canary, \$140, F. Hilliser.

GOOD SALES FROM A GOOD HERD THROUGH FARM AND DAIRY. Belleville, Feb. 22, 1916. Box 66, R. P. D.

Peterboro, Ont

It is with much pleasure that we have to report the very successful disposan to our young built through the advertising parties of the property of the property of the property of the saven of the saven of these three three parties of the saven of the property of the saven of the property of the saven of

Herd this season:

No. I. Sir Trenton Lyons Segis, an exceptionally fine bull of good breeding, closely related to the May Eche family, went to Mr. Richard Connelly, of Ingersoil, who reported himself exceedingly well pleased with the season of the seaso

of Foutise Hernes Foutise, a fine son of Foutise Hernes Foutise and a size of May Echo Sylvia. Went to breeder, Mr. R. G. McNab, of Allenford, bought for second buil Mr. McNab has bought for second buil Mr. McNab has bought for second buil Mr. McNab has bought for second build mr. McNab has bought for second building to pay a good price to get sometimes of wear better to breed to the daughters from his daughters from his daughters from he was better to breed to the daughters from he was better to breed to the daughters from he was the second from the s

No. 5. A fine son of King of the May Bichose, out of Dorothy Garban, went to Mr. Wm. Manclark of woodbridge, Ontario, who declared him a fine, straight buil and well pleased with him in every way.

Mr. Hillman, of Rossmare, and stays near home.

No. 5. Another son of Pontiac Hermes went to M. Anos Hodgins, of Picton.
Mr. Hodgins came to see the herd an was not more than five minutes pickin out his bull.
No. 6. Goos to Mr. Russell, of Alta Mr. Bussell, when the minutes of t

Mr. Russell wrote us that he needed a bull and asked me the probable cont of getting one through to the west. I associated when an Association cur would contain the process of the second and the second asked to the second aske

would take him.

The fact that we believe our herds to have produced more 190 h. cows than any in Canada, and that the fanale Keyes and May Echo families were red here, make it possible for any purchaser to secure something with the best of backing at reasonable prices.

(Bigued), B. B. MALLORY.

Breeders with the right kind of Pure Bred Slock for Innever fail to the Para and Dalry the Bust channel to coate good buyers. We have been been need the surplus stock you have in our herd—sires or foundation females.

Write us about any stock you may have or male. Sake on request.

TOE busine least, the W years, four ware m the W them a buying East, and the coarse slump; dairy I on the

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Canadar barley, n 68c; rye, 71c. Mo C.W. No 46%c; ex white, 4 82c to 85 feed, 66c Wholes \$25, short

Better rated deli has reque hay on tr \$17.50 to \$. \$14 to \$2 hay it wow \$17.50 to \$2 hay it wow \$17.50.

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March 9, 1916.

OOD HERD DAIRY. b. 23, 1916. R. F. D.

Market Review and Forecast

TORONTO, Monday, March 5.—The business situation, for the present at least, in statisfactory. Travellers from the present at least, in statisfactory travellers from the present at least travellers from the property of the present at least travellers from the way from the property of the present and many of the property of the present and many of the property of the present at least travellers from the way from the property of the present at least travellers from the property of the present at least travellers from the prese

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Tholesale quotations here are: Bran shorts, \$26; middlings, \$27; good feed, bag, \$160 to \$1.70; corn meal, sack, 0 to \$2.40; oilcake meal, \$35; gluten \$40. Montreal quotes bran \$22.50 to shorts, \$26; middlings, \$28 to \$30; lille, \$31 to \$38.

HAY AND STRAW.

HAV AND STRAW.

Better roads in the country have faciliated deliveries, and the hay market here
has reduced quotations bee a ten for based
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as reduced quotations and the second of the second life of

POTATOES AND BEANS.

Potatoes are slightly stronger on wholesale markets here. Ontario's are quoted

The shading in price mentioned last week passed a lot of butter into retail week passed a lot of butter into retail on the state of the

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This fully balanced, high protein milk-producing feed makes money for dairymen

Caldwell's Dairy Meal is scientifically planned for the production of milk. It will cause a good increase in the yield without placing any tax upon the cows' vitality. Leading dairymen are using

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GUARANTEED ANALYSIS: Protein 20%, Fat 6.3%, Fibre 10%. No mill sweepings, oat hulls or other cheap fillers used.
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Clear Spring Farm Holsteins

MERRICKVILLE, Ont.

They Look Good to Us!"=

Did you ever notice what the daughters of Pontiac Hermes are doing? We have 18 of them that we must breed to something else. We might consider an offer for this grand old buil. He is as hale and hearty as ever at 10 years of age. Write to us at once. 10 years of age.

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AVONDALE HOLSTEIN BULLS

SIX BULLS 5 to 13 months from high record dams and sired by our KING PONTIAC and PIETJE (33.60 lb. dam) bulls. We are offering barbains from for our new arrivals, and are selling fast. Seven to provide the selling fast seven to the seven t

H. LYNN, Avondale Farm, R.R. No. 3, BROCKVILLE, Ont.

VILLA VIEW HIGH-TESTING HOLSTEINS"

Now is the time to buy a son sired by King Segis Aleartra Calamity, the \$2,000 Juli. Only three youngsters, three the state of the stat

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LAKEVIEW STOCK FARM, BRONTE, ONT. Breeders of high Offer for sale Choice Young Bulls of various ages, all sons or Grand-Steins of Bells of the Steins of Grand-Steins of Breeders and Steins of Breeders and Breeders and

BRAESIDE STOCK FARM Offers for immediate sale of Pontiae Korndyke, bred to a Grandson of the great King Seeigh and the Grandson of the great King Seeigh and the Control of the Grandson of the great King Seeigh and the Control of the Grandson of the Grand

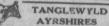
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KORNGOLD STOCK AND DAIRY FARM IMPROVED ENGLISH YORKSHIRES—YOUNG SOW & months old; also a few Boars and Sows 2 months old. F. J. McCALPIN, Kerngold Steck Farm, GANANOQUE, ONT.



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Toting Stock for sale, sluwps on hand (both seven), from high-testing heavy
produced widers and large test a special feature of my herd.
Three flam Produced with the seven seven of the perfect of the self you
need a sire. F. T. BROWNLEE, Pagen Blow Farm, Hemmingorpol, Quie.



The Leading R. O. P. Herd Large Cows, Large Teats, Large Re-cords, High Testers. Choice Young Bulls and Bull Calves and a few Cows for sale.

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Only Two
Toung bulls, ift for service, from
R.O.F. dams with good tests.
Splendid individuals, good colors,
public for breeding and special

J. L. Stansell, Straffordville, Ont.

SUNNYSIDE AYRSHIRES

imported and Home-Fired. Are of the choicest breeding, of good type and brief been selected for production. Thirds been selected for production. Thirds brief the choicest brief dropped this fall, sired by "Neth good lime"—3661—(Imp.), as well as a few of various ages, for sale. Write or come and with the choicest of W. LOGAN, Howick Station, P. Q.

Auction Sa'e March 22

20 HEAD

Pure Bred Holsteins J. H. PARK, Norwich, Ont.

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Have You Enlisted?

MAVE you enlisted in the great army of successful dairy farmers and dairy bread-ers whose regiments are the increasingly popular "Black and Whites," and white munition factories are the homes of our great Holstein herds." The part of the great army that produced over \$25,000,000 in milk and butter last year— over \$15,000,000 or it in Eastern Ontario.

I F you have not joined the ranks of these dairy breeders who are climbing upward to a surer and happier prosperity, enlist this month. Ask yourself "with prices high" and labor scare can I afford to keep "JUST ORDINARY COWNS"? Never before has so grand an opportunity to make the right start presented their as this year at our great

Annual Re-Union of Holstein Breeders at Belleville on March 30 You will have 80 chances to select—yes, and to select from the finest blood of the breed—right here in the homeland of champions, and backed by such great strains as the May Beaco, Sylvias, Pieterties, Burkes, and, lastly, the great Ranwerd.

OME and be one of us. As buyer or visitor we welcome you to Belleville on Macca 30. The same comfort—the same honest and courteous treatment we extend to you in this our sixth great annual offering of Holsteins. We invite you on behalf of

Belleville Breeders Holstein Club

80 Head

BEN. R. LEAVENS. President, Bloomfield, Ont.

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PRINCE ABBEKERK MERCENA, 6826, WILL BE SOLD AT THE WOOD. STOCK SALE.

The best all round Holstein in Canada; caived in 1904. He has been grand upon set all the Mig shows in Ontario. He set have won more prince at grand to the Set in 1904. He has 18 Ho. M. Daughters. Only in 7 days for a jr. 4-yr. old to 19.4 for a 18 mm. They yrun from 50.6 its, butter but of the set in 1904. They want for 1904 for a jr. 4-yr. old to 19.4 for a 18 mm. They yrun from 50.6 its, butter in 1904. They want in 1904 for a 18 mm. They want for 1904 for a 1904 fo ay, has are any one. FRED. ROWE,

Head

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THE GOODERHAM BARNS BURNED

KINGS CO., P.E.I.

MONTAGUE, Feb. 18.—We are having a very fine winter. Just enough snow for good roads. We have had two very his winter, 22 below zero, will be lots of fodder in our section this will be lots of fodder in our section this prime. All kinds of mill feeds have gone by in price. Good beef is selling at 6e and the selling to the control of t

CURRIE'S CROSSING, ONT. The Fifth Annual Consignment Sale

OF THE **OXFORD** BREEDERS CLUB

Will Be Woodstock, March 15
Held at Woodstock, WEDNESDAY

80 Head Registered Holsteins

The sale to be held this year promises to surpass anything previously held here, both in quality of offering and in high record stock. It will be well for all wishing to secure high class stock to plan to attend this sale. It will represent the blood of many of the best heres and strains in the country. Fractically all are young animals with their whole lives before them. Many are typung any producers, but still too young to test. This is the stock for the young breeders and others wanting the best in foundation animals. Get a catalogue and go over the offerings.

One of the chief attractions will be PRINCE ABBEKELK MERCENA
three times champion and grand champion of the Canadian National Exhibition. Another will be a 26 lb. daughter of Annandale Colantha and her sister. There will also be several granddaughter of Prince Abbekerk Pauline, the sire of Madam Posch Pauline, 17,426 lbs. of milk in 179 days. Also a few granddaughters of King Fayne Segis, the grand sire of the only 1896 lb. butter 5-grand, and the only 1209 lb. 2-year-old, a number of grand-for fuller information. Remember, our district has always used the best aircs.



Write the Secretary for a Catalogue

W. E. Thompson, RR. 7 SECRETARY Woodstock, Ont.



INTERNATIONAL STOCK

"3 Feeds for one Cent" FOOD TONIC "3 Feeds for One Cent"

A Farmer has to put his hands in his pocket for a great many things, but none of them return a bigger profit to him than does International Stock Food Tonic. It is no exaggeration to say that International Stock Food Tonic fed to your animals is the biggest

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Pigs and Sheep show extraordinarily rapid growth when prepared for the market with International Stock Food Tonic. In the case of sheep, for instance, with the whole system invigerated, the pores of the skin are more kept open, increasing the growth of wool and pre-

Valuage san disease.

International Stock Food Tonic contains just the elements required to keep pigs healthy and thrifty. Its use produces very rapid growth and a large majority of the best hog breeders are constant users of it.

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International Stock Food Tonic can be purchased from dealers everywhere in convenient sizes. Put up in packages 25c., 50c., \$1.00 and \$1.50 liftographed tins, also in 25-lb. pails at \$3.75. If you do not know the name of your nearest dealer, write us direct.

INTERNATIONAL GROFAST CALF MEAL

Don't feed whole milk to your calves—it is a waste of money. International Grefast Call Meal is a scientific high-grade substitute for milk in the quick growing of carves. It is easily mixed and calved in the quick growing of carves. It is easily mixed and calved in milk. So your milk and raise your calves at a very low feeding cest, netting you much more money. Grofast Calf Meal will raise three or you much more money. Grofast Calf Meal will raise three or you much more money. Grofast Calf Meal will raise three or got an experiment of the cost of raising one on new milk. When missed ready to the cost of raising one on new milk. When missed ready to the cost of raising one can be written to the cost of raising one can be written to the cost of raising one calves cotton seed meal, because it is dangerous to their system. We do not use any cotton seed and positively guarantee Grefast Calf Meal to comply with all the requirements for pure feed.



The Racing Life of DAN PATCH

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May.

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