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CANADA'S

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Vol. XLVI

WINNIPEG, CANADA, MAY 25, 1910

No. 922

WHY THE CAPITAL GETS 999/1000 OF

Capital Cream Separator gets more cream from a given quality of milk than any other type of separator fat is less than one-fifth the aver-

The Capital, as against the

cylinder is really a very

washing it!

per about this wing-cylinder; first, that it gets 999 1000 second, that after the butter-fat is once extracted, it is never re-

The way The Capital gets all the butter-fat is this: As the whole wings in a perfect mul-

force at once sends the lighter contents of if you will only ask us. Will you WRITE the milk—the cream or butter-fat- to the us about it?

upper edges of the wings, whence it is led direct to the point of exit; the heavier skim milk, freed of all the butter-fat that naturally, to the wings' lower edges, flows thence to the bowl's wall, and from there travels in a straight line to the discharge

Notice how directly both the cream machine as soon as they are separated. The whole single operation a statement that can be made only of The Capital Cream Separator. This statement can be made of no no machine that uses per-There is no re-mixing and Capital.

What this means in lajust as it is easy to understand the cream it saves. The difference in favor of The Capital is the differ-

ence between a loss of $4\frac{1}{3}$ ounces of butter in every 500 lbs. of whole milk, and a loss ounce in the same quantity of whole But this is only a

single point about The Capital. There are other facts, fully as impor-

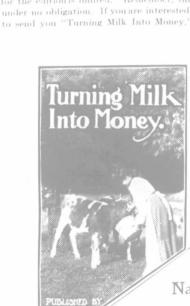
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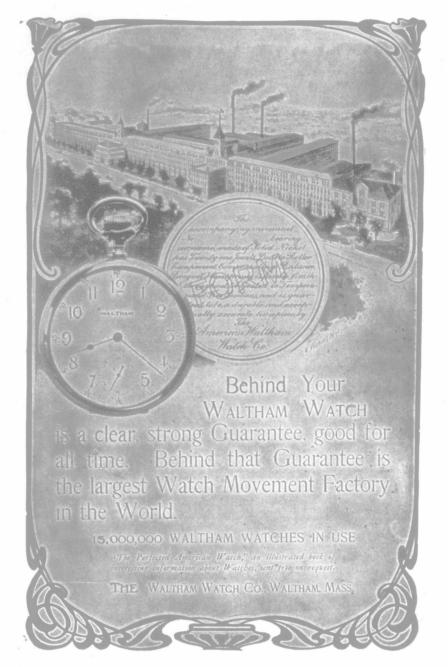
NATIONAL MFG.

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JULY

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May 25, 1910

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WINNIPEG

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> Last year we distributed upwards of TWO HUNDRED THOUSAND DOL-LARS among our patrons for CREAM.

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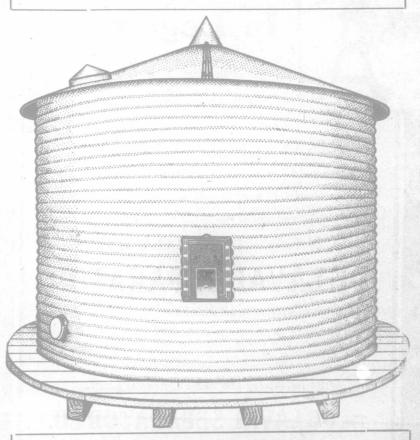
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but actually there are only two kinds of cream separators — the De Laval and

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ON'T put it off any longer. From now on 'till harvest you are going to be busier every day. Your grain is likely to ripen all at once. Then you'll want to cut it quickly. You can't do it unless you are prepared with the best harvesting machines—in proper condition.

To be sure of getting the best machine for your needs—you must make a careful selection. That takes time. That's why we say start today. Because we know if you go into the matter carefully you will choose a McCormick. The McCormick Binder will meet your re-

Binder will meet your requirements as no other machine will. It is built to meet the conditions encountered on the Canadian farm. It has stood the test of years. Its capacity to handle grain that is tangled or down its simplicity, strendurability, light draft form, good work and the reli-able work of its knotter, combine

o make it the best machine for you.
Other farm machines of McCormick make, a long line, are not less valuable than the Binder. The line includes:
Harvesting Machines, Binder Twine, Mowers, Tedders, Hay Rakes and Side
Delivery Rakes, Hay Loaders, Disk, Shoe and Hoe Drills, Cultivators and Seeders,
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dealers also handle Gasoline Engines, Cream Separators, Hay Presses, Wagons, Meighs and Manure Spreaders.

Every McCormick everywhere is recognized by farmers as a leader in its class. But we don't ask you to take our word for this. We say—Start today to investigate so you will have time to make a proper decision.

For catalogue and specific information on any McCormick machine, call on the

local dealer or write direct to nearest branch house. CANADIAN BRANCHES: International Harvester Company of America at Brandon, Calgary, Edmonton, Hamilton, London, Montreal, Ottawa, Regina, Saskatoon, St. John, Winnipeg, Yorkton.

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"Purity" flour may cost a little more, but is more than worth the difference. Try it. Watch results both for quality and yield.

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Co., LIMITED

FARMER'S ADVOCATE

AND HOME JOURNAL

Vol. XLVI.

Winnipeg, Canada, May 25, 1910

No. 922

FARMER'S ADVOCATE

HOME JOURNAL

established 1866

Canada's Foremost Agricultural Journal Published Every Wednesday.

SUBSCRIPTION PRICE

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EDITORIAL

Cleaning Up

than an evidence of slovenliness. It is, of course, practically impossible always to have things spick and span. The remnants of of winter generally leave a conglomeration of about, and it is difficult to arrange for their fibre for the fields and avoid soil drifting. disposal until the seed is well taken care of and general utilitarian operations attended to. But when gross neglect steps in and allows The Farmer's Advocate always has supand ramshackle buildings.

advantage. There will be much to burn and to give bigger profits. many nails to drive perhaps, but the satisfac- A little over a year ago The Farmer's Ad-

Ready Cash in Summer

t Went

eggs for purchases at the local store and a de- interested, and are following the example of crop as clear gain or to meet big payments the trees to give something worth while. on investment, buildings or machinery.

What the Cow Gives

spectable living out of grain growing are not cepted and whose methods are worth following. liable to appreciate the returns that can be derived from a herd of cows of reasonable milking propensities. Intelligent dairymen have learned that it is possible to have cows that will average 5,000 pounds of milk or more for every twelve months. Many herds give double that quantity. But take a cow that produces only 4,000 pounds of milk in a year, that milk testing four per cent. This represents 160 pounds of butter-fat in a year. Prices vary greatly, but easily average over twenty cents per pound of butter-fat. At this low estimate the returns from one cow reach \$32 in a year, to pay the farmer for feed and care and the labor incident to turning the product into cash.

The labor problem is the stickler. However, where it is possible to find help to milk the cow, separate the cream from the milk and ship the cream there is no doubt about direct profits. In addition skim milk is on previous season's growth and the high winds hand to rear strong calves for feeders, or to feed pigs or poultry. It gives opportunity to prodead weeds and grass and other rubbish lying vide manure and to grow grasses to supply

Value of Demonstration

such foreign materials to accumulate year ported the idea of practical demonstration in after year, the situation about the farm affected impressing the advisability of improved becomes deplorable. Such condition, too, gen-methods in connection with agricultural operaerally is accompanied by delapidated fences tions and incident increased returns. The come obsessed with the idea that something average farmer who has been making a com-Therefore, clean up and make repairs! As fortable living seems to refuse to change his quired of them, the better it will be for the ina day around yards and fences can be spent to to show that a slight change will do much some light be shed on some phase of agriculture

vocate and Home Magazine, of London, Ont., toba send on an average twenty-five to fifty was high, and spraying outfit and other as in older countries. pounds of butter-fat per week. Payments equipment had to be purchased and all labor. In some cases damage was done last fall by are made by many of the concerns twice a hired, the net profit was so encouraging that a too bare pasturing late in the season. But, month real the remittances range from \$15 to second orehard has been secured for 1910, again, in the spring there is a tendency to rush The object is to handle these orchards accord- the stock to grass. While a feed or grass he frugal housewife is the recipient of ing to expert advice for three years or more, is relished by stock and is beneficial to their

livery or two of pigs to market, aids the farmer The Farmer's Advocate in caring for their orin financing and leaves the bulk of the grain chards as though they wanted to encourage

As yet the Canadian West is practically without recognized demonstration farms, but there are progressive and prosperous farmers Farmers who for years have made a re- in every locality whose advice can well be ac-

Investigating the Swine Industry

The department of agriculture for Saskatchewan is investigating conditions in the swine industry in the province, and the article published in another column of this issue summarizes results up to date. It would seem that the status of the industry in Saskatchewan is very nearly what it is assumed to be in most parts of the West. Farmers, despite the high prices being paid for hogs, do not seem over anxious to embark in the business, and apparently prefer the considered easier business of cereal raising to the hazardous undertaking of trying to produce pork at $10\frac{1}{2}$ cents per pound live weight --- as if there was much risk or prospect of risk in raising hogs at present prices or at the prices live pork seems likely to sell at for some time to come.

The department, however, is showing commendable progress in investigating the various phases of agricultural development in the province, and the present work deals very completely with one important branch of animal husbandry. It is one of the chief functions of departments of agriculture to gather, compile and publish such information as this report contains, and the sooner some others of the provincial departments in the West beterests they are supposed to represent. Let in Manitoba. The industry can stand it.

The Pasture Land

rented a three acre orchard a few miles out of Much of the disappointment from pastured that city and proceeded throughout the season areas is due to careless or thoughtless handling. Cash is needed on the farm at all times. The of 1909 to demonstrate to farmers in the lo- As the prairies become settled, it is out of the development of the creamery business and high cality that it would pay to practice modern question to depend on open prairie in many prices for dairy products have brought to light and more thorough methods in handling sections of the West. Cultivated grasses and a regular source of supply. Large creameries the trees and the land on which the purpose in some instances clovers have been sown, and report that patrons in various parts of Mani- was to produce apples. Although the rental the live stock is kept within fences the same

title room for complaint regarding for the first season was most encouraging, field to allow it to be pastured off before it has

something worth while there.

of damage by pasturing so close that it requires ducing the yield from year to year until 1905, French weed and shepherd's purse have become weeks to have the crop again make a start. when the average wheat yield in the Red River practically free from these pests by this method Many farmers now have two or more pasture Valley was not more than half what it had been alone, but particularly if what few plants escape areas and change the stock from one to the when the land was first cropped. The United this treatment are pulled before they go to seed. other at regular and frequent intervals, whether the grass is done or not. Moreover, they also the grass is done or not. Moreover, they also lated some very valuable data on how to keep practical they immediately begin applying them provide some fodder crop, such as corn, rape, up wheat yields, eradicate weeds and increase to their own farms. millet or late sown grains to meet requirements soil fertility. Many of the farmers of the state Wild oats are not planted in any seed and all late in the season when pasture lands have were making use of this information and some that are in land are prevented from going to dried up.

Canadian Wheat and Flour Exports

Canada, have increased very greatly since as time went on. 1900. Beginning in 1900 with a value of sections and to prevent their occurrence in the about July 30. The land is then immediately creased with a fair measure of regularity, un- that would embrace every county in the state. sown at the rate of 13 bushels per acre. The times as great in 1909 as in 1900.

ceives, on the average, nearly 90 per cent. bors from far and near want some of this seed settler to solve, such as the best time and depth of the whole.

North Dakota Demonstration Farms

settled in the late seventies and early eighties. varieties instead. It was almost immediately put under the plow. The eradication of weeds is a vital problem in clover, brome grass and timothy will do well.

The fungus diseases which cause smut, rust, root germinated and causes still others to germinate

of them were growing as large crops of wheat seed in such crops as corn, winter rye and late as they did when the land was first broken up. barley. These crops are followed one after an-But such farmers were the rare exception, as the other, and as wild oats seed will not stay in the great majority of farmers were still using the ground more than three years without being de-Exports of wheat and flour, the produce of single crop system with less and less profit stroyed, this pest is readily controlled by this

\$14,787,373, representing 20,365,392 bushels sections of the state, the authorities of the plowed and all thistles are kept below the surney of the state, the authorities of the plowed and all thistles are kept below the surney of the state, the authorities of the plowed and all thistles are kept below the surney of the state, the authorities of the plowed and all thistles are kept below the surney of the state, the authorities of the plowed and all this the state, the authorities of the plowed and all this the state, the authorities of the plowed and all this the state, the authorities of the plowed and all this the state, the authorities of the plowed and all this the state, the authorities of the plowed and all this the state, the authorities of the plowed and all this the state, the authorities of the plowed and all this the state, the authorities of the plowed and all this the state, the authorities of the plowed and all this the state, the authorities of the plowed and all this the state, the authorities of the plowed and all this the state, the authorities of the plowed and all this the state, the authorities of the plowed and all this the state, the authorities of the plowed and all this the state, the authorities of the plowed and all this the state, the authorities of the plowed and all this the state and the state are the state and the state are the state and the state are the state of wheat, which includes flour expressed in terms Government Experiment Station determined face of the soil for a month by means of frequent of bushels of wheat, these exports have in- to establish a system of demonstration farms cultivation. About September 1 winter rye is

til, in the fiscal year ending March 31st, 1909, Six of these farms were established in the next year the rye is cut in mid-July, when thistles spring of 1906 in as many different counties. The as have survived the former year's adverse treatthey amounted to a value of \$56,139,355 from wheat crops produced on these farms that season ment are again at their weakest. The land is 57,103,457 bushels of wheat (flour included) were considerably above the average of the immediately plowed and no green shoots are alexported. This is the highest mark yet surrounding farms. The farmers in the vicinity lowed above the surface of the ground during reached, both in bushels and value. It will of each demonstration farm watched these ex- the remainder of the season. By these means be noticed that values have increased more periments very closely, and they were very practically all these pests are destroyed and a quick to copy methods that were to their ad-paying crop is produced each' season. These than bushels, on account of rise in prices. vantage. Each year the crops on these farms be-methods of eradicating wild oats, Canada thistles While the number of bushels exported increased came much better; the past season the wheat yields and sow thistles are also very quickly taken up to nearly threefold, the value was almost four on the original six farms averaged over 26 by the farmers who see such methods worked bushels of wheat per acre, and no field fell below successfully. A small percentage of these exports is sent to seed wheat, oats, flax and barley are seeded upon settlers have to learn many things, as the agricultural States. A considerably learner are the United States. A considerably larger pro- these farms. The following year the manager of tural methods are generally quite different from tion usually goes to other countries not in- each farm seeds his own farm with the seed grown what they have left behind. The new country cluding Great Britain, but Great Britain re- upon the demonstration farm plots. His neigh- always has a great many new problems for the for their own farms, as they can readily see it is to break the sod, the best crops to seed and the pure and superior to scrub varieties so generally rate to seed per acre. The new settler wants grown. .In this way each demonstration farm to know the best methods of conserving soil rapidly causes the farmers in its vicinity to quit moisture in his fields—on this alone may mean The Red River Valley in North Dakota was growing scrub grains and grow the best pedigreed his ultimate success or failure. He wants to

The harvests were very abundant, the average nearly all sections, and this is taken in hand on As a rule, he has but little money, little experiyield of wheat being between 25 and 30 bushels these farms. Land that is infested with annual ence, and a large family to support, so he cannot per acre, and 40 bushels was quite common, even weeds, such as yellow mustard, French weed, make these experiments for himself. The state, on large areas. During the first ten or fifteen pigweed, sunflowers, false flax, shepherd's purse, by means of demonstration farms, can answer all years all the farmers had to do was to seed etc., is harrowed frequently in the spring to start these questions for the new settler in such a way wheat in the spring, cut it at harvest and pre- all these weed seeds that is possible. Later he cannot fail to understand the answer. pare the land for another crop of wheat. But applications of the harrow kill the young plants The local papers always like to receive and print astime went on many weed pests were introduced, that have germinated. After the grain is up the any material on their demonstration farms. If

keep all stock off the pasture land until there is thistle, sow thistle, wild oats and quack grass. destroys nearly all the weeds that have previously Later in the season, too, there is danger blight, etc., became more prevalent each year. In two or three years, fields that are badly in-These enemies of the wheat plant were re-fested with such weeds as yellow mustard

means. Canada and sow thistles are cut in a hay

know what forage crops, such as alfalfa, corn,

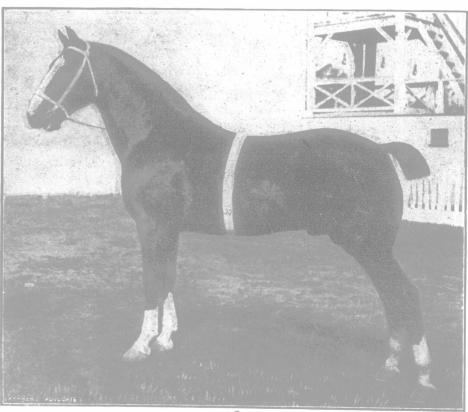
such as yellow mustard. French weed. Canada weeder is used at intervals of seven to ten days, this is well written up and contains practical suggestions for farmers in the community which have been worked out by the experiment stations, it places such facts where they will do the most good, as few farmers fail to read their local

papers. The first six demonstration farms established in North Dakota have proved so practical in bet tering farming conditions generally, that the number has been increased to twenty-one, and several more are being put in operation this spring.

W. R. PORTER, Superintendent.

A new collar should lie in water till thoroughly soaked before it is put on, and then it will shape itself to the shoulder. Where changing from pads to naked collars, it might be well to change during the slack time so that the shoulder may toughen before getting sore. A collar should always be hard, never soft.

An officer of the Royal College of Veterinary Surgeons says it is easy to tell a horse's character by the shape of his nose. If the profile has a gentle curve, and at the same time the ears are pointed and sensitive, the animal may be depended on as being gentle, and at the same time high spirited. On the other hand, if the horse has a dent in the middle of his nose it is safe to set him down as treacherous and vicious. horse with a slight concavity in the profile will be easily scared and need coaxing, while one that droops his ears is apt to be both lazy and vicious.



CHAMPION HACKNEY IN ONTARIO - AT REST

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HORSE

May 25, 1910

Observations on Horse Subjects

We notice in The Farmer's Advocate of Mav critical of the department of agriculture, Ottawa, in recognizing the Imperial Hunter studbook. which he characterizes as a "studbook upstart" and not to be taken seriously. "Scotland Yet's" displeasure arises, we surmise, not so much because "a gentleman in a remote town in the a studbook for this useful breed of horses, as eye to eye with him and his confreres in the matter of accepting for registration the get of certain Clydesdale sires, that, for reasons which need not be entered into here, but which the Clydesdale Association of this country considered suffi-And for this reason he makes this report excuse Editor Farmer's Advocate: the animals they bring over.

the hunter. It is doubtful if foundation stock with does not quite equal that paid to postmen That this association desires once again to of 175 pounds or so, with legs that will stand the surroundings not the most pleasant or ideal; ilar conditions. strain the animal is put to in cross country if in the field, the inspector has it rougher than The following officers were elected for the galloping pace for miles at a stretch—when he infested premises; further, marriage in the second vice-president, A. E. Cross;

Hunters usually are the get of Thoroughbred sires. It is generally agreed that Thoroughbred possessed and does not yet possess, veterinary Wylie, Maple Creek. blood is required to give stamina, staying power and ambition, without which the hunter would be no better than the cab horse. Hence a usual practice in breeding hunters is to cross a mare that is herself a good hunter, with a Thoroughbred stallion. But the results of such matings have not shown that consistency in type can be expected in the offspring. Such a mare is usually a crossbred herself, or may have in her the blood of several different breeds; she may foal a hunter, but she is just as apt to foal something else. It is strongly probable that the offspring of such breeding will be a "weed." So hunters usually are "misfit" Thoroughbreds, and thus far the chances of getting enough saddle horses of this type in the ordinary course of breeding for speed purposes have been long enough to supply requirements, that and the "misfits" that result from other courses of breeding.

It is difficult to see how much uniformity can be expected in hunters as a breed. The foundation stock such breeds start from have not the

some time.

for going a little out of his way to take a crack Equitant's letters are interesting, but I should not expect to win a competence at his Canadian friends for being "superlatively like to point out a few things with reference to strict" about one thing and careless in another, the veterinary profession, of which he seems to We were not aware, until we read "Scotland be an admirer and regarding which he is perhaps Yet's" remarks in the matter, that the Ottawa too optimistic. It is extremely doubtful if the authorities had decided to "recognize" as pure-country veterinarian approaches anywhere near bred animals recorded in the particular stud- the country lawyer or medico in income from book to which he refers. However, if they have, his profession, and besides for years, unless in we cannot see that any great harm will result from exceptional cases, he has not had the same social it, providing the book in question is not an entirely position. Veterinarians in good circumstances would be served in making a distinct breed of its advantages, even though that salary to begin unanimously passed:

quality of reproducing their own characteristics, schools to rank with those of the universities and while it would be reasonable to suppose that of Pennsylvania, New York and Iowa. Further, after several generations of careful selection a the veterinary profession, where organized in hunter horse that would reproduce itself with the Dominion, has almost invariably forced the some uniformity might be developed, it seems man applying for a license to practice, to take a as reasonable that a sufficient number of equally third year at college, generally at Chicago—an 18 that our old friend, "Scotland Yet," is harshly as good horses could be produced in the manner attitude which has been of great service both to in which hunters are now ordinarily bred. But the public and the graduate who intends making then, something of the same criticism might a living by practice. Again I do not believe have been offered when some individuals were McGill has re-opened her veterinary college doors, laying the foundations of the various and dis- which were shut some years ago. The Toronto tinct breeds of horses which now exist. A school has undergone re-organization, is now breed cannot start pure and reproduce itself under the aegis of the provincial university, south of England" has succeeded in establishing uniformly true to type from the first. That but it is yet too soon to say whether she will turn character has to be developed, and perhaps when out men with sufficient clinical knowledge, it does from the fact that those in charge of live several generations of purebred hunters have as to render it unnecessary for them to go to stock registration in this country, or rather the been reared we shall have a breed that will re- Chicago or elsewhere. I sincerely trust that the Clydesdale Association of Canada, have not seen contains a contain of Canada, have not Clyde or Shire reproduce draft qualities, or the respect, for at the present time Canada has, to other breeds the particular types or charac- all intents and purposes, two veterinary schools teristics for which they have been developed, only—one English at Toronto, one French at The Irish have had a stud book for hunters for Laval. Yet, for all, if a farmer's son wishes a EQUITANT. profession other than agriculture and is not afraid cient, were not deemed eligible for registration Opportunities in Veterinary Profession to him, and undoubtedly affords great opportunities of the Deminion of the health of his of hard work, then the veterinary field is open tunities, in the conservation of the health of his fellowmen and of domestic animals, but he need

PRACTITIONER.

STOCK

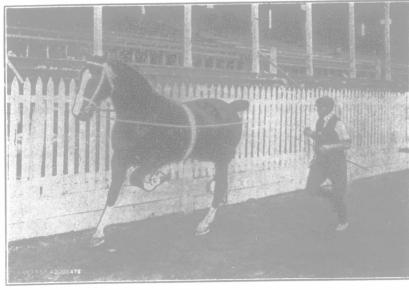
Western Livestock Breeders

The Western Livestock Growers' Association private affair, something to be confounded with in Western Canada have made what money they held their annual meeting at Medicine Hat on the studbooks which certain American importers have outside the profession. Further, it is well- May 12. The wane of the cattle industry of the of French horses have made up to accommodate known that veterinary bills are hard to collect, West was the main topic of discussion before and this fact is doubtless one reason for many the meeting, and various opinions were expressed veterinary surgeons hankering after government as to what action the ranchers and stockmen It is questionable whether any useful end employment. The regular stated salary has should take. The following resolution was

for such a breed could be secured which could be in Western cities (postmen are paid \$65 per place itself on record that it considers it absodepended on to reproduce the type and qualities month, and uniform) to begin with and are re- lutely necessary in order to safeguard what rerequired in the hunter. And yet there seems no quired to be able to read and write; veterinary mains of the cattle-raising industry, that the reason why horses of hunter type should not inspectors start at \$75 per month, have to be tenure of grazing leases shall be made more be as easily bred as horses of draft type, harness graduates of a three-year professional school and permanent; that when a grazing lease is granted type, or any of the other distinct types into which pass a stiff civil service examination. The it shall not be liable to cancellation at the will the equine family has been divided. They are postman can in course of time work up to \$1,100 of the minister of the interior. We would recoma class of horse for which good demand exists in a year; the veterinary inspector may go up to mend that grazing leases shall be made for at England, and when a man succeeds in raising a \$1,200-\$1,500, so that the prospect is not quite least a period of ten years, and that when once well made horse with a back that won't break so alluring as Equitant believes. If in the meat granted they shall be permanent for the said when he is sent over the jumps with a weight up inspection service the hours are long, passed in period, existing leases to be brought under sim-

work—jumping hedges and ditches, going over the private practitioner, longer drives, is often- year: President, Walter Huckvale, Medicine Hat; soft ground, up hill and down, and keeping up a times obliged to put up for the night in vermin- first vice-president, George Lane, Pekisko; produces a horse of the type quality and stamina veterinary civil service is frowned upon, although executive committee, P. Burns and W. R. Hull, to do this, he has an animal that is worth some it is well known that the married man is stead- Calgary; Howell Harris and A. J. McLean, Lethmoney, in England or any part of the world where ier, more sober and reliable than his single con-bridge; H. Eckford and J. S. Brown, High River; horse flesh for riding purposes has any particular frere; further, Canada needs homes and popu- J. Lineham, A. P. Day and W. A. Taylor, Medilation. The reference to the United States cine Hat; E. H. Mansell, Macleod; H. M. Hatveterinary schools is not quite fair, and the im- field, Pincher Creek; A. B. McDonald and G. pression given, erroneous; Canada at no time Pemberton, Willow Creek; A. J. Day and D. J.

> The number of sheep in Great Britain last year was 27,618,419, the highest total since 1882. The number of sheep has increased rapidly in recent years, and for the present supply exceeds demand, with consequent low price. The number of horses in Great Britain is said to be 11,552,993, an increase of 7,322 over 1908. A gratifying feature is that in agricultural horses the number is the largest on record. Cattle were also in record numbers, at 7,020,982. Pigs numbered 2,380,887, a decrease of 15.7 per cent. since 1908.



HACKNEY STALLION IN ACTION.

o receive and print tration farms. If contains practical community which periment stations, will do the most read their local farms established

so practical in betally, that the numy-one, and several n this spring. ORTER,

Superintendent.

iter till thoroughly then it will shape re changing from be well to change the shoulder may A collar should

lege of Veterinary

a horse's character the profile has a time the ears are nimal may be de-1 at the same time hand, if the horse s nose it is safe to s and vicious. A in the profile will ing, while one that h lazy and vicious.

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ENQUIRY INTO THE HOG-RAISING INDUSTRY

ment of agriculture for Saskatchewan conducted by mail an enquiry into the hog-raising industry in the province. Several hundreds of men whom the statistical records of the department ceived to this question. showed to have been keeping upwards of twenty hogs last summer were written to and a large number of replies were received. The objects of the enquiry are set forth in the six questions asked. They will be discussed separately and between the answers to this question and those a summary given of the replies received to each. to question No. 1, and such was actually the

of it ?

circular between seven and eight thought there was a tendency upon the part of their neighbors to go into hog-raising; ten—or half the number were equally confident that in their district farmers were inclined to go out of the business, while three out of every twenty thought there was no change in the local situation in this respect. One man phrased his reply: "The tendency around here is to stay out." As Saskatchewan has not up to the present time acquired prominence as a hog-producing province, perhaps this reply was quite apt. If the number of districts where the industry is normal, therefore, is added to that of districts inclined to further restrict production, the conclusion arrived at will be that in only one district out of every three in the province as a whole is there any marked tendency to increase the number of hogs kept upon the farms. As all the men addressed were themselves keeping a fairly large number of hogs, it may reasonably be inferred that they were quite in touch with the local situation and competent to speak with reference to it.

No particular area or portion of the province can be named as taking a greater interest in hog-raising than it formerly did. It was noticed that a large number of the districts in which hog-raising is being more extensively engaged in are either now or adjacent to new districts. such were almost impossible to get. This would in itself account for increased enquiry for hogs. In other cases conflicting re- bred used by yourself or in your district ports come from the same district. One man thinks his neighbors are going into, while another is equally confident that they are going out of hog-raising. In such a case the conclusion would be justified that the movement is not very marked in either direction. Upon the whole, in summing up the present tendency in this matter through- in a few there are none but purebred. But in out the province, as reflected in these reports. there is small ground for the belief that any marked additional interest is being taken in the possibilities of hog-raising by the farmers of Saskatchewan as a body.

Question 2.—Have the farmers of your district any confidence prices for hogs will remain for a year or more as high, or nearly as high, as they are at present?

Out of every ten farmers answering this question, six thought the feeling in their district was that prices would remain satisfactory and profitable for at least one year; three thought the feeling was that they would not; while one had no opinion to offer on the question. Evidently, then, it is not fear of a slump in prices alone that outlook for good prices.

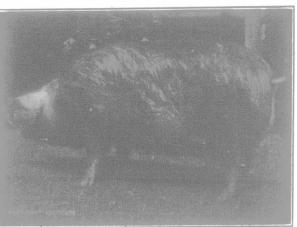
prices reached their present level?

Many of the answers to this question were any boar is good enough. not very definite. In many of the districts so Question 6.—Is anything being done by vourfew hogs of any kind are kept, that if an "undue" self or neighbors to provide a summer pasture number of sows were disposed of there would be or supply of cheap succulent feed for your hogs? ber of sows kept is an average of one per farm, rye, or peas and oats. About three out of every five reporting thought The replies received to this question form the

been much reduced. Several hinted at "a clean providing of a summer pasture for their hogs. sweep" and "everything in sight sold." No great Almost without exception the men reporting dependence could be placed upon any conclustated that they are doing something along this sions that might be drawn from the answers re-

Question 4.—Are you or your neighbors with- assert that it has not been common in the past. holding many young sows from market with the idea of making brood sows of them?

It would naturally be expected that there would be substantial agreement and harmony Question 1.—Is the tendency of the farmers of case. If it was properly understood and answered your district to go into hog-raising or to go out carefully, the answers received to this question should give a fair indication as to the prospects Out of every twenty farmers replying to the before the industry in the immediate future.

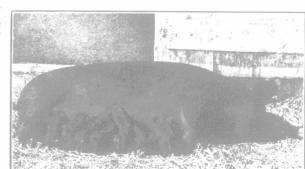


FINE TYPE OF BROOD SOW

Looked at in this way it must be admitted that there is no ground for supposing that there will be any marked increase in hog production in Saskatchewan within a year. Fully two-thirds of those replying were of the opinion that in their district no more young sows than usual were being withheld from market. Many stated that

Question 5.—Are any boars that are not pure-

There was more agreement in the replies received to this question than in those received to any of the four preceding it. Practically all those replying were agreed that the purebred boar is greatly in the minority. In some districts there are none but grade and scrub boars;



GIVING THE MONEY-MAKERS A START IN LIFE

is keeping men from raising more hogs, for the great majority of districts there are one or it the best for green feed, as it remains green the about half the men stating that fewer hogs were two purebreds and a number of grades or scrubs. entire season. being kept in their districts also state that Nearly all the farmers heard from (it must be they and their neighbors have confidence in the remembered that these are the leading hog-Question 3.—Have an undue number of old and use, or obtain the use of a purebred boar, brood sows been sold from your district since but they admit that they are exceptions to the general rule—which rule appears to be that of using only the best breeding stock obtainable,

absolutely none left. In such districts the num- We refer to feed such as rape, clover, alfalfa, fall

that no undue or unusual number of old sows most gratifying feature of the whole enquiry.

URING the month of April, 1910, the depart- out of five thought that the number of sows had awake to the advantages to be secured from the line. Some claim that the practice is comparatively general throughout their district; others but that many are intending to take the matter up this season. There can be no doubt but that the leaven is at work in this matter, and that the day is rapidly passing when the farmers of this province will attempt to keep hogs in any number during the summer months without making some adequate provision for a summer pasture or other supply of cheap succulent feed for them. It will only require a demonstration for a few years upon the part of a few of the leading hog-raisers in each district, of the reduction in work required and the increase in profits which follow such a system to cause it to be more generally adopted.

> Rape appears to be most commonly grown. More than half of those replying reported it as among their crops. Many had wild native pastures fenced in and fed their hogs each day rape and roots. Many others had a pasture of mixed grains such as oats and barley. Still others are trying alfalfa in this connection. Brome grass, too, has its advocates as a hog pasture.

A few extracts from the replies received to this question will be of interest as indicating the wide variety (for a new country) of methods that are being tried for the production of cheap and succulent feed for hogs in the summer time: Weyburn—"Rape is grown more or less every year in the district; also some alfalfa. I am seeding two separate pastures this spring, one to alfalfa, and one to brome grass." Regina—"I have 12 acres brome grass and timothy and have had ever since I came here. No man can raise hogs successfully without pasture." Glen Adelaide-"I have three acres fenced off for hog pasture which I seed down to green barley, rape and peas. It is the only pasture to my knowledge in Glen Adelaide." Garnock—"To a certain extent special pasture is being provided for pigs. Chiefly mixed grains, green oats and barley. I have a patch of alfalfa successfully grown without inoculation of seed or soil." Lumsden-"I grow rape and turnips and a few mangels." Saltcoats —"We have each year had pasture for our hogs, using grain for early pasture and rape for late pasture, and others are following our example.' Tuxford—"I have been growing rape for the last five years and would not raise six hogs without it. I am trying a little alfalfa this year.' Forget — "I sow rape for feed, and fence the hogs on a grass run. I throw them a few mangels once a day." Langbank—"I have fenced with wire a two-acre hog pasture, on which I raise rape and a mixture of grains as a pasture for the hogs all summer." Bradwell—"Last few years we grew rape; this year we are trying an experiment with pigweed, as the pigs ate it well last year, so we fenced a yard." Moffat-"I grow a patch of rape and turnips mixed and use the turnips when the rape is too dry, also barley and peas green. A few others grow rape, but no clover, alfalfa or rye in this immediate neighborhood." Drinkwater—"I use a pasture of brome grass, keeping it down to proper height. I find

Questions 5 and 6.—Indicate two of the lines along which the stimulating of the hog-raising raisers of their respective districts) either keep industry in Saskatchewan must be pursued, so far as the producing end is concerned.

More men should be got to realize the necessity and of following this up with the providing of feed supplies, which will insure in the pigs vigorous, healthy growth, at a comparatively low cost. The means of providing such feed supplies outlined or suggested in question No. 6, however, deal with only one source of supply. The other source—and one perhaps equally as important is the farm dairy. Whatever may be possible

(Continued on page 791)

cured from the or their hogs. men reporting ning along this ce is comparalistrict; others on in the past, ake the matter doubt but that tter, and that the farmers of p hogs in any s without mak-1 summer pasculent feed for onstration for a of the leading reduction in 1 profits which

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I am seeding one to alfalfa, na-"I have 12 1 have had ever can raise hogs ilen Adelaideor hog pasture , rape and peas. wledge in Glen ain extent sper pigs. Chiefly parley. I have wn without inısden—"I grow els." Saltcoats re for our hogs, d rape for late our example. g rape for the e six hogs withalfa this year.' and fence the em a few man-'I have fenced re, on which I ns as a pasture vell-"Last few pigs ate it well Moffat-"I mixed and use dry, also barley ow rape, but no ediate neighborasture of brome height. I find mains green the

wo of the lines the hog-raising be pursued, so

erned. ze the necessity tock obtainable, providing of feed pigs vigorous, ively low cost. d supplies out-Vo. 6. however, ply. The other as importantnay be possible

May 25, 1910

If not properly managed weaning proves detrimental to both the sows and the pigs. Pigs begin to eat when four or five weeks old and it is always best to have them eating well before weaning. They can be fed to the best advantage

Weaning the Pigs

times a day, but not an excessive amount, and which it would be well to have discussion. not convenient, the sows should be turned in with contributors. will obviate trouble with their udders.

of exercise. Litters coming in the spring should packer and other implements. be housed so that they can run out at will. Much of the loss in litters is due to the fact that the pigs do get out into the sunlight and onto

Mangels and Bladder Stone

EDITOR FARMER'S ADVOCATE:

The report of the Iowa Experiment Station concerning kidney and bladder stones, caused by the use of mangels and sugar beets fed to rams, published in your issue of May 11, is doubtless true, but that the use of these roots has the same effect when fed to ewes and cattle (suggested in this report) I very much doubt. Unquestionably mangels fed too liberally to rams will cause the trouble mentioned (and I have never known any cure for it when once the animal is attacked). On the other hand, I have never known ewes injured in the same way by their use. I have fed (years ago in the Old Country) large quantities of mangels to all kinds of sheep and cattle, and never experienced any trouble except with rams. And rams seldom become attacked under judicious management. The mistake occurs by the too liberal use of these roots, generally when What makes me think that ewes are proof against attack is because I have repeatedly prepared both ewes and rams for exhibition, using mangels using (although of greater feeding value) the cident to good fencing. contain.

Sask

FRANK SHEPHERD.

perimental work carried on to determine whether or not the feeding of mangels caused kidney and cost. bladder stones in stock. The results were not conclusive, in that rams only were used in the test. It has not been the experience of feeders in this country that feeding mangels is the cause mangels. EDITOR.

FARM

Topics for Discussion

quarters, will aid much in securing these results. topics announced for the various issues, but also a protection to the wood. The young pigs should be fed at least three we desire that they suggest practical subjects on Buildings should be painted as soon as they are

is preferable. Many farmers allow pigs to run ment, but the questions dealt with cover all lumber, that has never been exposed to the with their dams for 10 or 12 weeks, which is pos- branches of the farming industry. Letters should weather, contains in the interstices between the sible where only one litter is produced per year. not exceed 600 words and should reach this office cells in the wood, a gum-like protective material It is good practice to allow a few of the smaller 10 days previous to the date of issue. They are that is dried out or washed out after the wood pigs to remain with the sows, when the larger read carefully and a first prize of \$3.00 and a has been for some time subject to the elements, ones are weaned, in order that the milk flow of second prize of \$2.00 awarded each week. Other and not only are the processes of decay facilithe sows may be dried off gradually. If this is letters used will be paid for at regular rates to tated, but paint is required to fill in these in-

mer treatment of the summer fallow? Give they are put up. Above all, young pigs should have abundance specific instructions as to the use of plow, harrows, For farm use the handiest paint is the ready

Painted Buildings Increase Land Values

EDITOR FARMER'S ADVOCATE :

There can be no ground for disagreement as to the advisability of painting buildings, fences, walks, etc. Everyone who has given any thought to the matter will admit that it pays to in a creep, or small pen, away from the old sows. In recognition of the fact that valuable hints paint, that it is advisable to paint not only build-A good ration for small pigs before and after always are obtained from men engaged in actual ings and other things constructed of wood and wearing consists of equal parts by weight of farm work The Farmer's Advocate has adopted exposed to the weather, but metal work as ground oats, free from hulls and wheat middlings. the "Topics for Discussion" column, in order that well. The trouble, however, with most of us is The addition of a little oil meal and salt will in- our readers may see an open channel through that we don't do it. Painting is one thing that crease the feeding value and palatability of the which they may inform their brother farmers is neglected on the average farm. The house is mixture, which should be made into a slop by as to practices that are worth adopting and warn painted generally, that is, if it is worth painting, adding warm skim milk. Fresh feed, clean them against methods that prove unprofitable. but it is only rarely that it is repainted when the troughs and feeding floors, with comfortable Not only do we wish our readers to discuss the first coating has peeled off, so that it is no longer

constructed. The longer wood is left exposed, may be weaned at six weeks, but eight weeks This notice appears under the "Farm" depart- the more paint is required to cover it. Dry terstices, if painting is delayed for any period. the pigs once a day for three or four days. This June 1.—What advice have you to offer as to sum- Paint all structures of wood or metal as soon as

mixed kind, which comes in cans or barrels, and



forcing the animals for show or sale purposes. A good building looks better when well painted—it also lasts longer. Barn on farm of WM. CONNELL, NEAR NEEPAWA

and die. The longer the roots are stored before bracing of corner posts and other particulars in-

them in to avoid damage to crops.

Note.—The report referred to above was from ing to house the implements on an average sized back several times over in the saving of the buildthe Iowa Experiment Station, covering some ex- jarm; state where you would locate it, how you ing alone, not to mention the value added to my

Painting Fences and Buildings

anyway, and it would be as easy to prove they the wood on which the paint is applied lasting buyer to meet your price.

June 8.—Give your opinion of satisfactory is specially mixed for particular uses. A good heavily in the daily rations, and never knew a fencing for prairie Canada. Which do you prefer, paint for outbuildings may be made from oxide case of the kind to occur with ewes, while rams ready-made rolls or wire stretched and braced as of iron and raw linseed oil. I painted a barn under the same feeding are liable to be seized put up? Discuss size of posts, distance apart, with this mixture some years ago, and found it is simply iron rust, may be purchased for a few more danger there is in heavy feeding, owing to June 15.—Give directions for handling a flock cents a pound, and, mixed with the oil, makes a the larger amount of saccharine matter they of hens in summer when it is necessary to close heavy red paint that is very enduring. Oil, however, these days is rather high priced. I am June 22.—Describe how to build an implement unable to state what the cost was of painting shed. Particularize as to dimensions of a build- this barn, but I know that I have got my money would build it, and what would be the probable property by improved appearances. This is a point that should not be overlooked. If I had a farm for sale I would paint the buildings and everything about the place before offering it. The work might cost two hundred dollars or so, Paint is perhaps more generally in use on but I would risk getting three or four times that of this disorder, either in sheep or cattle. Cer- buildings in the Canadian West than it is in sum from the value resulting from improved aptainly the results of these tests do not warrant Eastern provinces of the Dominion. Those pearances. The appearance of the buildings the conclusion suggested in the bulletin, of which who have used it do not hesitate to say that counts for a lot more than most men think in the report referred to was a summary, that some it pays. When high grade material is used and making a price for their farms. Land all looks risk is entailed in the feeding of these roots, properly applied when the weather is neither pretty much alike. And the appearance of things Kidney and bladder stones are of rare occurrence too hot nor too cold, there is no question about about the place oftentimes is what moves the

were due to several other feeds that might be longer than similar unpainted surfaces. Then If a cheaper paint than the kinds above mennamed as a was to show in the manner shown by the question of general appearance must be contioned is required, whitewash, made up after this test, that they were due to the feeding of sidered. Read the letters following. Awards the formula frequently published in The Farm-ER'S ADVOCATE, will be found useful and satis-

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ing water, using sufficient water to make the tine, according to the wood. mixture of milk-like consistency. This is then Nothing equals the old-fashioned way of put- good prices for all the cured pork we had to disstrained through a fine sieve, and a peck of salt, ting on paint—the brush. For large areas I use a pose of. previously dissolved in hot water, added. Boil brush about four inches across. A large surface We do not do much in the way of curing beef. three pounds of rice to a paste and stir it into the can be done in a day and done right. For except for our own use, though we fatten and kill mixture, hot; dissolve a pound of glue and half a whitewashing and applying thin paints, a spray quite a number of cattle every winter, and dispound of Spanish whiting and stir in. To this pump can be used to advantage. When the pose of the meat fresh. We sell some in the add five gallons of hot water, stir up, cover and object is simply to color a barn or shed of rough quarter, but frequently cut up a beef, send the fore applying and put it on hot. One pint is job intended to last 8, 10 or 12 years, give me More of it we corn and use on the farm, and the supposed to cover a square yard of surface. a good brush.

up, may be applied with a whitewash brush yard. You get value for the outlay. very quickly, and does nearly as well as regular Sask. paint. By using color, it may be made up to any tint.

Man. J. M. G.

Advises Thorough Painting

EDITOR FARMER'S ADVOCATE:

Certainly it is advisable to paint fences and all buildings made of lumber. In my younger days I lived among Scotch people, whose aims were to save every cent. So bent were they on saving that they considered it unwise to spend anything beyond what was absolutely necessary. My father also looked after his money pretty well, but he always wanted to see things looking fine. Paint brushes and paint were in evidence at almost every season of the year. Perhaps time was, wasted in using the brush, but I noticed that in addition to having more desirable surroundings, the boards and scantlings, and even the in my experience of twenty-five years in raising fence posts, lasted longer than similar buildings pigs for selling alive, killing and curing, I was wooden fence posts and asks for experiences of and fences on neighboring farms that never saw never asked by a buyer if my pigs were of the paint. I was branded "a chip off the old block" long, lean bacon type. If they were pigs and in because of my attachment to the paint brush, proper condition for the knife that was all there others who have used posts or stakes and also Eventually, I decided to serve apprenticeship was to it. I have raised several breeds of pigs any who have used paint or coal tar.

the time taken and the paint used. However, more juicy. on smooth boards there is no room for question.

It pays every time

mix your own paint be sure to get the best lin- been fed on the above ration from the start seed oil available. I have seen buildings on which they have it at least three weeks to a month before cheap paint was applied look worse after one killing. season than if no painting had been done. A My process of cutting up a pig for curing is large proportion of white lead is desirable, but simple. First take off the head, then split the in this climate it is well also to add zinc oxide. pig down the back, take out the ribs, cut off the the wood, painted hard woods requiring greatly pickle. The sides we make into what we call reduced paints. Turpentine or some such sub-spiced rolls, made by rubbing in a mixture of stance must be used more freely in the first sugar, spice, saltpetre and salt. When cured the coat in order to secure penetration and avoid sides are rolled tightly, bound with twine and scaling. For general use perhaps one part of smoked if desired. The head, feet and trimmings turpentine to ten of cil is sufficient.

However, reliable firms put up satisfactory headcheese. prints at fair prices, and the average farmer. My curing room is part of the basement of my does not care to bother with 100 much miring, house. It is of concrete and is cool, airy and

factory. I have used it for years. It is made He can, however, often save money and make light. My smoke house is a small frame building by slaking half a bushel of fresh lime with boil- a better job by a judicious use of oil or turpen- eight feet square, without a floor. We have al-

let stand for a few days. Heat the mixture be- boards, the sprayer is satisfactory. For a good best cuts into the city and sell to consumer.

This paint does not soak into the wood as well Every farmer should paint. It adds to the feet and offals of the beef we feed to our hens. as oil paint, and wears off more quickly, but it value of the property and makes the place look and find it quite profitable to do so. Below are protects the timber while it is on, is easily made like home. Never mind the cost per square recipes for curing hams and shoulders, also spiced

H. O. HANKSON.

How to Cure Meats

A reader writes to enquire for the best way to sugar. The meat should be covered with the cure meats for use through the summer. We above mixture and should be stirred every two cannot do better than repeat instructions given or three days. Small hams will cure in three by W. H. Moore, a Manitoba farmer, who disposes of all he can provide to Winnipeg trade at high two tablespoonfuls each of ground allspice and prices. Mr. Moore wrote The Farmer's Advocate cloves, one tablespoonful saltpetre and two cups as follows last fall

that could be profitably done during the winter months by the mixed farmer. I say the mixed farmer, because he would be in a position to have smoke if desired. the right kind of feed to make good pork-and, after all, it is the feed we use that makes the meat and shoulders, but leave beef in brine for only good or bad, from the barnyard chicken to the Christmas beef. We read a great deal about the long, lean bacon hog, but I would say here that and found them all to make the best of meat when Experienced fence men generally seem to favor A few years ago being attracted by cheap fed the proper kind of food and killed at the right full -round posts with the bark off. A good coat lands and a glowing future, I decided to come to age. A pig fed on crushed barley and water, of paint, reaching slightly below the ground the Canadian West and take up land. Of course, which is the usual feed in this country, will make surface, adds to the life of the post. It is well new buildings were needed, and almost before they an oily and rich dry meat, while the same pig to have the top slanting or pointed so as to shed were completed I was busy with my paint brush. fed on barley meal, boiled potatoes and a little water. Coal tar or pitch also would serve as a Some say it does not pay, but it is a satisfaction skim milk would make considerably more pork preservative and would keep insects away. In to me to feel that I have things looking right. at the same age, and the resulting meat would some districts dirt is filled in around the post Perhaps on rough boards it scarcely pays for be of better quality—much milder, less oily and and tamped well to within six or eight inches of

The pigs I kill for my own curing are from eight balance to afford protection to the post. to eleven months old, but never over eleven Never buy cheap paints, and if you prefer to months; and I always see that if they have not

can all be used on the farm or sold if made into

ways been able to find ready sale in Winnipeg at

very coarse pieces, such as neck, shanks, head, rolls of pork and corned beef.

Pickle Hams and Shoulders.-Make a brine strong enough to float an egg, and to each three gallons add one teaspoonful saltpetre and for each hundred pounds of meat allow 4 pounds brown weeks; large ones will require six.

Curing Spiced Rolls.—To four quarts salt add brown sugar. This amount is to be rubbed in in Curing pork and beef on the farm is something two rubbings. The above is enough for four sides. Put the sides one on top of the other, rub and turn them every day for a week. Then leave for a week, when they will be ready to roll and tie, and

Corned Beef.—Make a brine same as for hams

Fence Post Observations

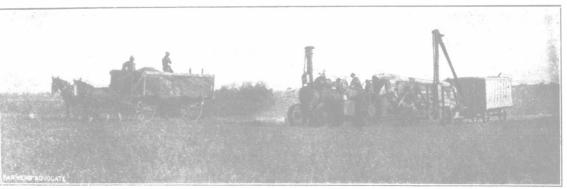
A Treherne subscriber gives his opinion on others. We shall be pleased to have letters from

the surface. Then cement is filled in for the

Subscriber's letter is as follows:

"I would like to get advice as to building a fence with cedar posts. Some claim that an unpeeled post lasts longer than a peeled one, but I think otherwise. A post seldom rots off down in the ground. It rots at the part where the air and water come together at the level of the ground, and in taking up old fences we always find the post solid underneath. Even poplar or oak or balm will be solid there, although they are cut to a point and driven down. I may not be right, but I wish someone who has tested it to let it be known, not for my benefit alone, but for the help of others.

"I have never tried cedar posts, but I think that a good green cut and peeled cedar post, with post holes either dug or bored to take the full size of the post, will last as long or longer than an unpeeled one, as there is not the chance for moisture and dust and dirt to gather around them to decay them. Besides when unpeeled posts are put in the worms work under the bark and cause decay and also the bark falls off and makes a good fire trap to burn the post in case of prairie fire, while peeled posts are clean and add a great deal to the appearance of a place. I think that a peeled post, painted or daubed with coal tar or pitch, about one foot around the post before being set in place just at and below the ground line, will outlast any unpeeled or any post of any wooden material. I wish some interested one to answer this coal tar or pitch question. It would not cost much compared with buying new posts and building a new fence.



rame building. We have alin Winnipeg at we had to dis-

of curing beef, fatten and kill rinter, and disll some in the beef, send the to consumer. farm, and the shanks, head, ed to our hens, so'. Below are lers, also spiced

-Make a brine d to each three tre and for each pounds brown vered with the rred every two cure in three

quarts salt add and allspice and e and two cups be rubbed in in gh for four sides. er, rub and turn hen leave for a roll and tie, and

me as for hams brine for only

itions

his opinion on r experiences of ave letters from stakes and also

ly seem to favor ff. A good coat ow the ground post. It is well ed so as to shed vould serve as a sects away. In around the post r eight inches of filled in for the he post.

WS: as to building a claim that an a peeled one, but om rots off down art where the air the level of the ences we always Even poplar e, although they own. I may not who has tested it penefit alone, but

osts, but I think eled cedar post, ored to take the ing or longer than ot the chance for o gather around when unpeeled k under the bark park falls off and the post in case its are clean and rance of a place. united or daubed e foot around the ust at and below unpeeled or any I wish some intar or pitch quescompared with new fence.'

Crust Under the Mulch

Gradually farmers of the Canadian West are appreciating the advisability of surface cultivation to keep a mulch of loose soil that will avoid excessive loss of moisture. In many instances, however, little attention is paid to the crust that forms under this mulch. Writing in Dry Farming Congress Bulletin recently E. R. Parsons has the following:

Every dry year some one asks: What can we do when a crust forms under the mulch? Nothing can prevent this crust forming if the drouth lasts long enough. The top inch of the mulch dries first, then the second, then the third, and then the inevitable crust begins to form underneath and becomes thicker and thicker with every day of drouth.

We cannot break up this crust without destroying the crop, but we can render this crust of this crust depends on two different factors, the drouth above and the moisture conditions below.

People sometimes talk and write in magazines about the dry farmer making a cistern for moisture and putting the lid on and so forth, as if he had all the water he could handle, but the fact of the matter is we can wet up our land by conserving moisture to a certain percentage to a certain limit only, which is determined by the capillarity of the soil in question, and above that limit, which is more or less constant, it is impossible to raise it, as long as there is a dry subto go any further; capillarity ceases for the time again; then it goes down again until it stops for for moisture a day or so after a storm, when ca-The percentage is the same, but it has gone down moist ground.

Some farmers plow shallow, owing to a misconception of this action of moisture. They ex- and at the same time not injure the grain roots. they limit them to a few weeks.

pull of gravity. After making several hundred tests in all clusion that capillarity, as a help to the dry farmer in bringing up moisture from the subsoil to true dry farm land that is not sub-irrigated. tion, by using the press drill, which will draw they are large enough to draw upon the supply summer-fallowing. The longer the land is cropthe moisture to the packed seed rows, without packing and baking the whole field.

DEEP PLOWING

Since the moisture does not rise to moisten Our crust except very slightly by distillation, it is clear that the best thing we can do is to go down after the moisture. The only way to do this is to plow deeply, not any six or seven inches, but eight, nine, ten or twelve inches.

Supposing a man plows six or seven inches, his mulch, which should be about three inches, becomes dry; then the inevitable crust forms, one or two inches thick. How much will he have left for his crop? About one inch. Is it any wonder the crop dries out? On the other hand, if he plows 10 to 12 inches deep, he will have six inches of soil left for his crop before coming to the hardpan. After six or eight weeks' drouth this crop will have as much dirt to grow on as the

shallow plower gives his crops at the start. Packing or rolling increases the conductivity. but reduces the moisture holding capacity of land for water, and promotes the formation of a creeps downward into our soil the longer it takes

may dry out in a few days, but it takes months to secure a maximum crop. to dry out the fifth inch, therefore, with even 10inch plowing, we have a very good chance to Superintendent North Dakota Demonstration weather any drouth that comes.

There are few things so unpopular with the farmers of the West as deep plowing. Fair results are often obtained by shallow plowing dur- Editor Farmer's Advocate: ing wet seasons, for the reason that whether We summer-fallow for more than cultivation crop do not stop at the bottom of the furrow, but more important half is in giving the land a rest, But even in a wet season, like last year in Mon- season. Land which has been cropped contana, for instance, deep plowing always pays. tinually year after year becomes burdened with The greatest crop of dry raised potatoes I ever a mixture of half decayed material—stubble, bushels to the acre on 75 acres, bringing him is almost at a standstill. To get this partly in a profit of \$5.000 to \$7,000 on potatoes alone decayed material into a proper state of useperfectly harmless by the right kind of plowing, for the second year of working the soil; the fulness, when it will impregnate the soil and build quality also was excellent, as the first premium up its fertility, the work of decomposition must Farming Exposition will attest.

but him who plows too shallow.

and Eradicating Weeds

soil below, which is the true condition of the to use than the weeder for forming a surface mer-fallow. dry farm soil. What I mean is this: when a mulch after the grain is up, and for cutting off A proper summer-fallow should begin early

Such cultivation causes the seeds of kinghead, Summer-fallowing rightly should commence their crust and hold the drouth at bay, when pigweed, buckwheat, pigeon grass, French weed with the taking off of the last crop and continue capillarity is already exhausted by the downward and mustard to germinate more freely and the later till the next is in the ground. Why not? What The very worst infested fields of mustard can be length of time? Bear in mind a properly worked varieties of soil during the last 30 years I have cleaned in three or four years, if these machines summer-fallow is not idle. The more thorough been unwillingly forced to the inevitable con- are thoroughly used and the few plants that is the cultivation the more thorough is the soil At the same time the land will yield much better essential as is growth construction. The two the roots of his crops, is a negligible quantity on crops, due to the firming of the subsoil, and the cannot be carried on at the same time without dust blanket formed, which thoroughly con- greatly interfering each with the other's work, We all know, however, that capillarity works very serves the soil moisture for the use of the growing and without greatly exhausting the resources strongly sometimes for a few days on the top three crops. The liberal use of these machines saves of the soil. Thus if we are looking for the best or four inches after wet weather, before the soil moisture for the crop in two ways—it prevents conditions to produce a crop we must have moisture has diffused downward, and we can surface evaporation by means of the dust mulch the crop preceded by a summer-fallow. make use of this knowledge for seed germina- and it destroys vast numbers of weeds before Farmers would be better off with more frequent

to dry out the succeeding inch; the top inch of soil water, which is so necessary to have in order

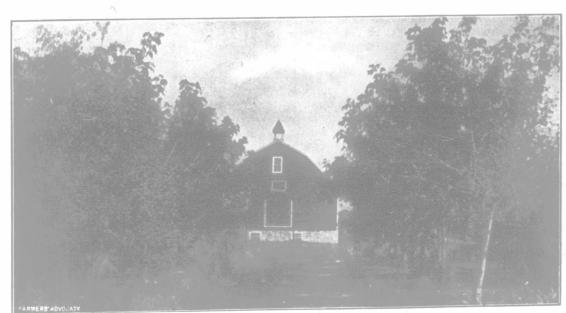
W. R. PORTER,

Reasons for Summer-Fallowing

a man takes care of his land or not, if there is purposes. The facility for cultivation found in sufficient rainfall to soak the subsoil the roots of a the summer-fallow is only half its value. The go on down into the moist solid dirt underneath. a rest from growths of every kind for one whole heard of was raised by N. E. Holden, of Dillon, roots, etc. While under a crop all its resources Montana, who follows deep plowing methods—230 are employed upon that growing crop and decay for display and varieties at the International Dry be assisted to its utmost extent. This is best done through the modern method of summer-fal-The solution of this often recurring and much lowing. Thus all growths are prevented and talked of problem is simply this: Plow deep and the desired work is assisted by cultivation, which let the crust form; it can hurt nothing and nobody mixes the soil, retains the moisture and exposes the soil to the action of the sunlight, air and heat. In working a summer-fallow we are but The Weeder for Conserving Moisture to assist the forces of nature to their work. And the bare fallow is the only way we may do this without hindrance. In consideration of this For light soils there is no better implement I cannot see how we can do without the sum-

storm comes the water goes down by capillarity or many of the annual weeds before they have in the spring, or if possible in the fall of the gravity, or both combined. until it is too diffused made serious headway. The weeder is a ma- previous year by disking or plowing, and conchine that has a long, slightly curved spring tinue until late in the fall. A system of culbeing until another storm comes and starts it tooth, the lower six inches is round, about three-tivation at regular intervals should be persistenteighths of an inch in diameter, and pointed ly carried on. Farmers complain of summerlack of water. Now, if we make a test of this soil These teeth are generally carried in three rows fallowing as being time wasted and yet they do on a rigid steel frame, which is carried on a light not even make full use of this time! Two pillarity has ceased working, we find we have truck. Two horses will easily handle a 12-foot months, or perhaps a good deal less, in midno more moisture in the soil than we had before. machine and go over 25 to 30 acres in a day, summer, the driest time of the year, is all their The teeth can be set so that they can be pressed summer-fallow will ever see of them, and then further. We are obtaining a greater depth of in three to four inches deep. This machine once plowing and a stroke or two of the harrows should be run over the grain fields after the grain is deemed all that is necessary. Instead of is up and set so as to form a good dust mulch utilizing time and energy to their fullest extent

> use of these implements kills the young plants. profit is there in having your land idle for any escape are pulled by hand when in blossom decomposition. And decomposition is just as



crust in clay soils. Every inch the drouth FINE BARN BUILT BY EDWIN DIXON OF LEMBERG DISTRICT ABOUT EIGHT YEARS AGO. THE TREES, MOST OF WHICH ARE MAPLES, WERE PLANTED ABOUT THE SAME TIME.

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and the more undecayed material has there been phecy in the article. Electricity may be a source blue grass, clover or alfalfa may be used. Com accumulated within the soil. Then no thorough of farm power in coming days, though scarcely silage is an excellent calf feed when fed in system of cultivation can be followed for fear likely from the harnessing of small brooks by moderate amounts. Good pasture is an essential the land is made too "rich" by a too rapid decay, individual users. To instal a water-wheel and after four to six months. and is caused to produce too great a growth on dynamo on a brook to furnish light for farm "The management of the calf during the first the succeeding year.

decayed matter lying "dead" and unused.

less frequent summer-fallowing. And we should tapped. fectual employment of the soil's resources; ada has immense water-powers, mostly unconsequently, there would be greater crop re- alienated. These should not be allowed to be

fallow without serious effects, I will give them people's benefit. what we would consider the best. The rotation is to cover a period of eight years, so that the summer-fallow if used would come only once in that time. If the summer-fallow is to be carried on at all regularly that would be the outside =

The yearly rotation would be followed thus: (1) Summer-fallow, (2) wheat, (3) barley, (4)

fullow to a crop of corn, roots or any other fod-son in a recent bulletin. "Skim milk is a cheap with a ton of timothy hay at \$6.00. der, or to pasture; though that would neces- feed for calves, but should be fed carefully in sitate keeping a great number of stock. If the limited quantities and only while it is warm and

At this season of the year we receive many infield were well worked I think it would stand some such crop and still produce as heavy a from the separator and still warm. yield, with less straw, on the following year. No two crops of wheat follow in consecutive as expensive to raise a calf on skim milk as on of water. A few days after the germs are swalorder, and all crops are so arranged that they whole milk. Two pounds of grain with the lowed it will be noticed that the cow's milk is ought to average well.

Man. J. E. SLATER.

Electric Power on the Farm

Agnes C. Laut, a Canadian contributor to the farm as one of the most pressing and expen- when fed in proper combinations. sive at present. Wages have risen enormously, and even at what are considered high wages at two or three weeks of age when the calf begins again if the drinking water is all right. neither sufficient nor efficient help can be secured. And so profits are lowered, and hours of labor engthened, and this, according tends to make the farm less attractive and to accentuate the trouble by tempting the boy and girl to still further lessen the farm force and go where hours are shorter. This, of course, is a very gloomy picture, and not a true one, but there is some force in it, and it is so drawn in order to emphasize the brighter side, the possibility of help from electric power. We smile at the suggestion, yet we must admit that most of the conveniences we at present enjoy were thought impossible at first.

Water-power is the cheapest form of energy in the world. "Harness me," calls the brook, "and I will do your work." Steam-power has had its day, and electric energy from water-power will drive the wheels in days to come. It is pointed out that water-power costs nothing, once it is started working. The dam and the dynamo, the belt and the wire, are the harness, and the only things that cost. Hitch the brook to the washing machine, the churn, the fanning mill, the cutting box, the thresher and the pump! Light

Making allowances for exaggeration, and for the fact that those conditions, where brooks are

ped the longer has decomposition been retarded, plentiful, are in mind, there is probably a pro- to eat grain. Good clean hay, either timothy buildings is an expensive proposition, and makes year has much to do with its later usefulness. Summer-fallow your land more frequently, the light cost very dear. With present conven- Plenty of water and salt should be given in clean when there is less undecayed matter and less iences for utilizing water-power in the form of vessels. Sudden changes of diet should be avoidaccumulated "strength" within the soil and you electricity, such a proposition is by experts re- ed and regularity in feeding should be practiced. may without fear cultivate your fallow most garded as impracticable. Prof. Wm. H. Day, of Warm, dry quarters should always be provided thoroughly and reap to the full the benefits of Guelph, advises us that he has figured on the in damp weather. Plenty of roughage should all that your land contains. There would then proposition two or three times, always with the be given, and not too much grain, so as to debe a more continuous use of the soil's fertility, same conclusion. When a large number of farms velop a large capacity for handling food, as is as there would be no great amount of partly can be supplied from one generating outfit, it is a desirable in dairy animals. different proposition. Not from brooks in all I believe that if we were to summer-fallow parts, but from the power lines being stretched Renovated Butter and Oleomargarine every third or fourth year we would not have in so many directions, or from some as yet unsuch heavy crops of straw as are found after thought-of sources, will the energy be probably vating butter across the line, note these figures

by a system of constant cultivation germinate A much-needed warning is hinted at in a few serves that the March output of renovated butand kill every foreign growth in the field; also sentences pointing out how the water-powers of ter in the Chicago district was somewhat larger by the same process we should be enabled to the continent are being secured by capitalists. than during any month since December. The bring every particle of substance in the soil to "When the big capitalists of a country secretly total production for the past four months was as a condition where it would be of use. There get out after a thing, it is worth getting, and the follows: would be less waste, and more constant and ef- big capitalists are out after water-power." Cangobbled up by corporations. Their value is but However, if anybody is looking for a system beginning to be realized. They are a part of the which comes nearest to removing the summer- people's heritage and should be held for the

DAIRY

Feeding Dairy Calves

"Young calves need whole milk for the first few Prof. Hecker, of Minnesota, an international wheat, (5) hay, (6) pasture, (7) wheat, (8) oats. days," says Prof. D. H. Otis, of the Agricultural authority on dairying, estimates the feeding value The first year might be turned from summer- Experiment Station of the University of Wiscon- of a ton of fodder corn at \$4.90, as compared sweet. The best skim milk is that which is fresh quiries asking for the causes of stringy milk.

proper amount of skim milk equals in feeding curdy and stringy looking and comes out in value one pound of butter-fat. Buttermilk jerks when milking. This will be noticed for a properly handled may profitably be fed to few days, and then the animal will apparently calves.

some of the leading magazines, has a recent article the calf is quite small, with a little bran to aid low springs or pools or stagnant water. Keep the in Collier's, in which she deals with one of the the calf in learning to eat. High-priced con- cows away from the water by fencing it off. vast and urgent problems of the day. By way centrates are unnecessary, and give no better re- The main thing is to correct the cause. Give of preface, she refers to the problem of help upon sults than oats and bran, ground barley, etc., 2 drams or 1 teaspoon of bisulphide of soda in a

As showing the extent of the business of renofrom the New York Produce Review, which ob-

Month of March 1,750,052 lbs. Month of February 1,142,900 lbs. Month of January. 1,651,752 lbs. Month of December. 1,995,600 lbs.

At the same time there was a larger output of oleomargarine in that district during March than in the previous month, the consumption of oleo in some sections of the country being heavy. During the past six months, October to March, the output of oleo in the Chicago district was 54,137,382 pounds of colored, and 1,474,700 pounds uncolored, or a total of 55,612,082 pounds oleomargarine.

The cause of this trouble is due to the swallowing "Experiments show that it is only one-fourth of small gems while drinking out of stagnant pools get all right for a week or so, when it will come on "The grain for calves should be fed first while again. If it is caused from drinking out of mash at night. This will soon make the milk "The roughage for calves should first be fed all right and the trouble will not come back



GUERNSEY COW, GOLDEN CHERRY, FIRST IN INSPECTION CLASS AT LONDON DAIRY SHOW.

Founded 1866

either timothy, be used. Corn l when fed in e is an essential

during the first ater usefulness. e given in clean should be avoidld be practiced. lys be provided oughage should in, so as to deling food, as is

comargarine

ousiness of renote these figures view, which obrenovated butsomewhat larger December. The r months was as

750,052 lbs. 142,900 lbs. 651,752 lbs. 995,600 lbs.

larger output of iring March than sumption of oleo ry being heavy. ctober to March, ago district was and 1,474,700 1 of 55,612,082

an international the feeding value .90, as compared .00.

receive many inof stringy milk. to the swallowing of stagnant pools e germs are swalthe cow's milk is id comes out in be noticed for a 1 will apparently nen it will come on drinking out of t water. Keep the by fencing it off. the cause. Give hide of soda in a n make the milk I not come back Il right.

RY SHOW

FIELD NOTES

Fine Cattle at Binscarth

One of the finest lot of fat cattle ever prepared for market in one stable in Manitoba is made up of about thirty head fed by Freeman Rice, of the Binscarth district. These animals have been well fed during the winter in a modern stable, where everything is the winter in a modern stable, where everything is and nothing is wasted. The bunch are

The Manitoba government have announced the personnel of the elevator commission, which is to administer the government elevator system in the province: D. W. McCuaig, Portage la Prairie, president of the Manitoba Grain Growers' Association, is chairman. The other members are: W. C. Graham, Winnipeg, manager of the Farmers' Mutual Hail Insurance Company, and F. B. Maclennan, Winnipeg, grain commission merchant. Mr. McCuaig is well known in all parts of the province, having been connected with the grain growers' movement since its inception and president for six years. Mr. Graham was secretary of the Patrons of Industry in the halcy-on days of that order in Manitoba. Mr. Maclennan The competition is confined to June July and August Manitoba. Mr. Maclennan The competition is confined to June July and August Manitoba. Mr. Maclennan The competition is confined to June July and August Mr. Maclennan The competition is confined to June July and August Mr. Maclennan The competition is confined to June July and August Mr. Maclennan The competition is confined to June July and August Mr. Maclennan The competition is confined to June July and August Mr. Maclennan The competition is confined to June July and August Mr. Maclennan The competition is confined to June July and August Mr. Maclennan The competition is confined to June July and August Mr. Maclennan The competition is confined to June July and August Mr. Maclennan The competition is confined to June July and August Mr. Maclennan The competition is confined to June July and August Mr. Maclennan The competition is confined to June July and August Mr. Maclennan The competition is confined to June July and August Mr. Maclennan The competition is confined to June July and August Mr. Maclennan The competition is confined to June July and August Mr. Maclennan The competition is confined to June July and August Mr. Maclennan The competition is confined to June July and August Mr. Maclennan The competition is confined to June July and August Mr. Maclennan The Competition Mr. Maclennan The Compe on days of that order in Manitoba. Mr. Maclennan has been in the grain business all his life, and has had wide experience in the grain trade. The commission is expected to get to work immediately.

Saskatchewan Elevator Commission Meets

The first meeting of the commission appointed by the Saskatchewan government to gather evidence in respect to the present elevator system and grain shipping facilities in the province, was held at Moose Jaw last week, where plans were made for the prosecution of inquiries into these matters in the various parts of the province. The personnel of the commission are Professor Magill, Dalhousie University, Nova Scotia; Geo. Langley, M. L. A., Maymont, Sask., and F. W. Green, Moose Jaw, secretary Saskatchewan Grain Growers' Association.

At Thursday's session, E. A. Partridge gave some

interesting evidence as to what in his opinion would furnish ideal conditions for marketing grain. He opposed anything less than a government-owned system, and said that mere government regulation was ineffective. Professor Magill gave Mr. Partridge a vigorous examination on public and private ownership. The latter admitted it would be difficult to avoid pecuniary loss on the start, but he considered there was a strong general feeling among the people for public ownership. The professor hinted that his ideas were rather socialistic. Mr. Partridge agreed to furnish figures and estimates as to details of the scheme proposed by the Saskatchewan Grain Growers' Association, of which he is a

Provincial Good Roads

Gradually the Manitoba Good Roads Association is asserting itself along lines that are sure to result in an improved condition of rural highways in the province. At a meeting of the executive and municipal representatives in Winnipeg on Wednesday of last week, it was decided to make a special effort to show municipalities in all parts of Manitoba the advisability of becoming members of this young organization. In order to further impress upon the people of the province the need for better roads, an horn Breeders' Association. attempt will be made to have A. W. Campbell, who until recently was the leader in the good roads movement in Ontario, come to Winnipeg during the industrial exhibition to deliver an address. This function it is hoped will take the form of a huge

provincial good roads convention. A general discussion on the construction and maintenance of satisfactory roads was entered into with enthusiasm. Captain Smith, reeve of St. Paul's, said that in making roads the tendency was to make them too narrow. Near a city 22 feet should be the limit. In rural parts, far removed from town or city, 18 feet was advocated. He also pointed out that it was necessary to have thorough drainage and culverts that are large enough to carry away the biggest flood. Reeve Chapman, of Assiniboia, opined that a good clay road was superior to gravel roads such as he had seen. The former was good during dry weather, while the latter was not suitable for fast driving with light vehicles at any time. In reply Reeve Henderson, of Kildonan, said this statement of the said the the sai said this statement with regard to gravel roads held good only for the first year or two. When a gravel road was carefully built and properly looked after it was almost as good as asphalt the third year.

The new commissioner of highways, A. McGillivray, gave an outline of his plans to be used in an endeavor He stated that with a money supply any number of miles of good roads could be built. In some parts of the province, however, it was difficult to get suitable material. He suggested that the association approach the railway authorities with a view to getting a reduced rate on broken stone, gravel and other materials. The railways always were anxious to assist in providing good roads.

Secretary Bentley was instructed to write clerks of all municipalities, giving particulars of the work to be carried on and enclosing a copy of the constitution. All are requested to forward the membership fee (not less than \$20 per municipality) at once. Winnipeg has shown a practical interest in the organization by making her membership donation \$200 tion \$200

of the four municipalities. Judges appointed are tricts of large surplus supplies of oats of the crops of A. McGillivray, S. R. Henderson, W. F. Tallman and 1909. R. D. Waugh. Three inspections will be made, one before June 1, one during the competition and the final on or about September 1.

Ninety-three per cent. of the wheat crop acreage, or 4,317,000 acres, was sown prior to May 1st this year. In 1909 only 62 per cent. was sown prior to

Falsifying Pedigrees

Sown by May 10th. One acre in every 20 of the area sown to wheat was sown in March. The acreage canada has recently come before the courts in Alberta. S. R. English was charged and found guilty of falsifying a pedigree or pedigrees, contrary to the provisions of section 14 of the Dominion Live Stock Pedigree Act, in the police court at Strathcona, Alberta. A fine of \$100.00 and costs, which will run up to probably \$300.00, was imposed. The evidence disclosed that in May, 1908, the accused brought from the Winter Fair at Calgary three of his young Shorthorn bulls which he had not disposed brought from the Winter Fair at Calgary three of his young Shorthorn bulls which he had not disposed of there, sold one at Vegreville on his return and turned the other two out on his range with his stock bull and his purebred females. During the period that these young pulls were said to have run with the herd, some seven or eight purebred cows were served, conceived and subsequently had calves, which were registered on application of the accused. All were registered as the progeny of his chief stock bull, Cracker. The accused denied this in part, and said that only one of the young bulls had run out, and that he had only registered the calves where he had some Cracker serves the dam and where there was

at the trial on behalf of the Dominion Short-

We understand Mr. English has appealed.

Dairy Special Train

Arrangements are being made by the authorities at Manitoba Agricultural College to send dairy special trains by C. P. R. and C. N. R. lines during June, to give advice and demonstrations along dairy lines. A passenger coach, from one end of which the seats will be removed to give space for the use of

the winter in a modern stable, where everything is convenient and nothing is wasted. The bunch are in fine shape, and go to market this week. Mr. Rice is another Westerner who believes thatfit pays to feed stock, because he understands his job and realizes that it pays to finish the animal before selling.

Arrangements are being made for a demonstration in road-making near Manitoba Agricultural College next month, when the provincial weed inspectors are in the city for a short course. Teams are to be provided by the college, and the board of control of Winnipeg have instructed Street Commissioner Tallman to provide the necessary road machinery.

Object lesson.

Arrangements are being made for a demonstration in road-making near Manitoba Agricultural College next month, when the provincial weed inspectors are in the city for a short course. Teams are to be provided by the college, and the board of control of Winnipeg have instructed Street Commissioner Tallman to provide the necessary road machinery.

Saskatchewan Crop

The Saskatchewan department of agriculture, through its statistical and crop-reporting service, has completed its estimate of the acreage sown to wheat and oats in the province this year. The esti-

The competition is confined to June, July and August. Individuals in each municipality entered and barley. This movement is almost entirely a will have charge of one mile of leading highway, and they are allowed \$15 each to recoup them for the various grains during the past six or eight months.

Three is a widespread tendency this year to neglect oats in favor of flax, wheat and barley. This movement is almost entirely a will have charge of one mile of leading highway, and the various grains during the past six or eight months.

Other causes tending to a decrease of oats acreage. Three prizes of \$25; \$15 and \$10 are offered in each are the early spring and the presence in many dis-

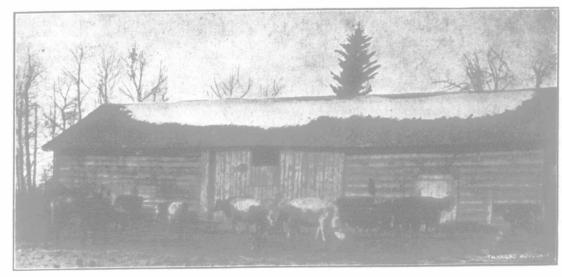
year. In 1909 only 62 per cent. was sown prior to May 10th. Of the acreage sown to oats, 45.5 per cent., or 956,000 acres, was sown prior to May 1st, 1910. In 1909 only 11 per cent. of the oats acreage was sown by May 10th. One are in every 20 of the area

crop correspondents.

Canadian Pacific stock has shown marked advances lately, and has been selling as high as \$195.00 per share for shares of one hundreds dollars par value. Rumor has it that the company will shortly increase its capital stock, allotting the new stock to shareholders pro rata to the shares now held. This and expected increase in dividends is the cause of the sudden strengthening in the stock.

A deputation consisting of Colonels McEwen and McCrae, A. W. Smith, M.P., and John Campbell, seen Cracker serve the dam, and where there was McCrae, A. W. Smith, M.P., and John Campbell, any doubt about the service he had not recorded the waited on the Dominion government last week to ask calves. The court, however, preferred the state-that a duty of five cents per pound be placed on ments of the witnesses for the prosecution, and held wool coming into Canada. The government made that such careless methods had been adopted by no definite answer to the request of the deputation, that such careless methods had been adopted by no definite answer to the request of the deputation, English that it was impossible for him to say with the probability being that they will adhere to the the requisite certainty what the breeding of these stand taken some time ago that increased duties on calves was, and in the face of this impossibility hav- wool will be followed by requests for increased protections. ing made a declaration that they were all sired by tion from the woolen manufacturers and that the "Cracker" constituted an offence under the Act.

Peter White, Esq., K. C., of Pembroke, Ont., was will be to increase the cost of woolen goods to the cost of the property consumer, while the wool raiser will only benefit to a limited extent and the manufacturer be placed in a position to unduly enhance the price of goods.



to work out an improved system of road construction. Modest barn and part of stock belonging to michael csversko of the mountain road district.

Extending Agricultural Service at Ottawa

The department of agriculture at Ottawa is administered on a more or less conservative basis. The department of agriculture at Ottawa is administered on a more or less conservative basis. That is to say, lines of advancement are cautiously and safely pursued. Each year a small number of new acts and amendments to old ones are put through by parliament, and each session the vote for carrying on the work of the department is a little larger than that of the year before. The following table shows the amount of the vote sanctioned by parliament thfordsa to the Meat and Canned Foods Act. It is of a verbal character, and does not affect the meat and Canned Foods Act. It is of a verbal character, and does not affect the principle of the bill. Game is added to the meat and Canned Foods Act. It is of a verbal character, and does not affect the principle of the bill. Game is added to the meat and Canned Foods Act. It is of a verbal character, and does not affect the meat and Canned Foods Act. It is of a verbal character, and does not affect the meat and Canned Foods Act. It is of a verbal character, and does not affect the meat and Canned Foods Act. It is of a verbal character, and does not affect the meat and Canned Foods Act. It is of a verbal character, and does not affect the meat and Canned Foods Act. It is of a verbal character, and does not affect the meat and Canned Foods Act. It is of a verbal character, and does not affect the meat and Canned Foods Act. It is of a verbal character, and does not affect the meat and Canned Foods Act. It is of a verbal character, and does not affect the meat and Canned Foods Act. It is of a verbal character. the present year.

				of 1909–10.
		1909-10	1901-11	Increase
Experimental farms	9	98.000	\$110,000	\$12,000
Experimental farms. Experimental farms, towards establishment and maintenance of add	ditional	, 00,000		
branch stations	iditional	30,000	75,000	45,000
Printing and distributing reports and bulletins of farms		8,000	10,000	2,000
Exhibitions		75,000	100,000	25,000
For renewing and improving Canadian exhibit at Imperial Institu	to Lon	10,000	100,000	,
		8,000	8,000	
don, and assisting in the maintenance thereof			50,000	50,000
Grant to Dominion exhibition		* * * * * * *	10,000	10,000
Grant to P. E. Island Exhibition		- 000	5,000	10,000
Fumigation stations		5,000	5,000	
For the development of the dairying and fruit industries, and the i				
ment and transportation of, the sale and trade in, food and ot		00 000	100.000	10,000
cultural products		90,000	100,000	10,000
Towards the encouragement of the establishment of cold-storage				
houses for the better preservation and handling of perishal			000	
products		75,000	75,000	* * * * * * * *
products For experiments in cold storage for fruit		7,000	7,000	
To encourage production and use of superior seeds, and for the enfo	rcement			
of Seed Control Act		49,000	50,000	1,000
For the development of the live-stock industry		52,000	52,000	
Health of animals		250,000	250,000	
For the administration and enforcement of the meat and canned foo	ods act.	110,000	120,000	10,000
To encourage the production and sale of Canadian tobacco		5,000	5,000	
Contribution towards maintenance of, and expenses of represent	tative at			
International Institute of Agriculture		10,000	10,000	
	car service		nut on	two weeks
MONE BRAINCH BAI BRIMBITAL PARMS ICC-CHECSE-(car service	WIII DC	Put on	T. '11 1

needed for the carrying on of four additional farms, established a short time ago, at Lacombe and Lethbridge, Alberta; Rossland, B. C., and Charlotte-town, P. E. Island.

for some time been considering this question, and of apples in approved cold storage and in ordinary has decided that the varying character of the soil and conditions in the different provinces demand a considerable extension to the present farm system. west. Already, one has been located at Scott, Sask. on the Grand Trunk Pacific, north of Moosomin. He mentioned that one or two farms may be established in the dry belt of British Columbia, in perhaps the thousand dollars for his general work, which is Counties of Kootenay and Okanagan. Then, again, taken advantage of by a very large number of farmers a dwelling-house, granary and horse stable. It is of seeds sold throughout Canada. not the intention to do much, if any, work with live

EXHIBITION GRANTS positions have been found to give excellent returns must be capable of germinating in the proportion of in advertising Canada for industrial and immigra-tion purposes. This year two great fairs are re-ceiving attention, at Brussels, Belgium and the Festival of Empire, at London. Then it will be be so marked. observed that the Canadian exhibit at the Imperial Institute, in London, is to be renewed and improved. It is hoped to make this a standing, fresh and telling

advertisement of the resources of the Dominion. Certain additional noxious weed s Last year no Dominion Exhibition was held. amongst those previously named. This year St. John, N. B., is to receive the usual vote of \$50,000 towards the prize list and the providing of necessary increased accommodation. of what was done the year of the Dominion Exhibition at Halifax.

provided for the development of the dairy and fruit industries, and the transportation of food the branch of the dairy and cold storage commissioner. Additional fruit inspectors will be employed at various points in British Columbia, to the salaries and expenses of a large staff of in where the bedy was observed as a holiday in all the British dominions. The King's funeral in London was dominions. The King's

The \$12,000 increase for experimental farms is earlier than usual, commencing June 20th. It will be and passed with little discussion.

The ceded for the carrying on of four additional farms, continued for eleven weeks. The ice-butter-car and The Destructive Insect and Pest Act is a meathe ice-fruit-car services will be the same as last year. The amount available for bonusing cold storages tioned by parliament, authorizing the governor-infor food products is the same as last year. Last council to make prohibitory regulations in relation

storage cellars, and the shipping of the fruit to distant markets. Shipments are made in the winter, a considerable extension to the present farm system. early spring and late spring. Most shipments the In the House, Mr. Fisher stated that he had in mind past season went to Great Britain, but some to Calsome half dozen new farms, distributed from east to gary. The cold storages used are located at London, and covers the Brown-tail and Gypsy moths. Ont.; Montreal, Que., and St. John, N. B. SEED CONTROL ACT AMENDED

seed commissioner commands an extra Vancouver Island is likely to have a farm; also and others to determine the vitality of seeds of vari-Northern Manitoba, Northern Quebec, and Western ous kinds. One-quarter of this vote is applied to New Brunswick. The locations for these, it is unseed fairs and field competitions. The inspection of derstood, have not been decided upon. The farm seeds exposed for sale in connection with the adat Scott is now being broken, and ordinary farm ministration of the Seed Control Act is having a buildings will be put up this summer, including marked influence upon the cleanliness and vitality

An amendment to the Seed Control Act was passed stock at these farms, but to carry out experiments during the session. Its main feature is the provision and demonstrations in the cultivation of the soil and of a standard of germination of seeds that may removal of some 28,000,000 cubic yards of sthe growing of grain crops.

be lawfully sold. The amendment requires that will provide irrigation for some 540,000 acres. the seeds of cereals, grasses, clovers, forage plants, Displays at the great national and world's ex-field root and garden vegetables offered for sale

The amendment also provides a classification for alfalfa seed in relation to purity, the same as was previously given for timothy, red clover, alsike seed. Certain additional noxious weed seeds are also listed

LIVE STOCK AND VETERINARY WORK ote for the live stock Prince same as last year. This includes a grant of some Edward Island, in not expecting to hold a Dominion \$7,000 towards the work of the National Live Stock on May 18, and astronomers are still trying to figure Exhibition, is taking advantage of the big show at St. John by asking a grant of \$10,000, so as to attract exhibits agrees the Straits. This is a strait of \$10,000, so as to attract exhibits agrees the Straits. St. John by asking a grant of \$10,000, so as to at- winter fairs, co-operative provincial auction sales of brushed through the tail. Reports from foreign tract exhibits across the Straits. This is a repetition purebred stock, and expert judges and lecturers will observatories indicate that satisfactory observations second and shotographs seco be supplied for fairs and series of agricultural meet- of the phenomena were made and photographs seings throughout the Dominion, more especially sured of the nucleus of the comet as it crossed the The government has five stations for fumigating nursery stock entering Canada. These are situated at Nelson and Vaucouver, B. C., Windsor and Niagara Falls, Ont., and St. John, N. B. It is to carry on these that \$5,000 are required.

TO DEVELOP DAIRY AND FRUIT INDUSTRIES

TO DEVELOP DAIRY A The government has five stations for fumigating where the live-stock industry shows a tendency An additional \$10,000, it will be observed, is every province except Manitoba and Saskatchewan.

employed at various points in British Columbia, to the salaries and expenses of a large staff of in-where the body was interred, and the representatives Ontario and the Maritime Provinces. These men, spectors, large sums of money are needed to comwhen not inspecting fruit, are engaged in lecturing pensate for animals destroyed, such as horses for
other orchard work. A cheese inspector will be of the last few years leads to the conclusion that
placed at Halifax for a portion of the season, to inplaced at Halifax for a portion of the season, to inspect Island and other Maritime cheese for export. Heretofore, a cheese inspector at Montreal only was employed.

The policy of testing horses for glanders at the employed.

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Plans are being made to carry out experiments in creamery working various parts of the country. The struction of money paid for compensation.

Onted States boundary, and the tracing and destruction of affected animals in Canada, instituted through the streets of the metropolis was one of the most impressive pageants that has been witnessed in England.

pointed out by the minister to the house, only some \$40,000 was paid last year for compensation, as against nearly \$200,000 the first year compensation was paid. An amendment was made to the Meat and Canned in what is technically called an establishment

Compared The amendment, therefore, does away with the words defining an establishment. The act permits the slaughter and the sale of animals by farmers without inspection, and this called for wording which would define clearly what constitutes a farmer. The following definition was then incorporated in the amend-"A farmer is a person whose recognized occupation is that of farming, and who slaughters only such animals as are fed by him on his own premises.

GLASSWARE MUST BE TESTED

An act, to be administered by the dairy and cold storage commissioner, to provide for the testing of glassware used in connection with milk tests, was passed. It provides for the sale and use for testing milk and cream of only such test bottles, pipettes, measuring glasses, as have been tested for accuracy and marked in a per cent: scale. It prohibits marking these glasses that have not been officially tested. The act will probably not come into force before January 1st, 1911, in order to give dealers time to get rid of present stock, and secure fresh, properly tested and marked supplies.

A bill which has attracted much attention throughout the country, and which is said by some to be likely to injure certain branches of the horse breeding industry, after a long fight, passed the two houses of parliament. The bill, as first prepared, was considered by the majority too drastic, and was defeated. A compromise measure was brought on,

sure introduced by Hon. Sydney Fisher, and sanc-An item of considerable importance is that for year only some \$25,000 were taken up for this work. to importations or sale, inspection, treatment, dethe establishment and maintenance of additional branch experimental farms. Hon. Mr. Fisher has stand the same. This work includes the storing granting compensation not to exceed two-thirds the value; confiscation, appointment of officers, and providing penalties for contraventions. Previously, the operations of the act which this one supplants

Events of the Week

A Chinese loan of thirty million dollars for railway construction was successfully negotiated last week. Great Britain, France, Germany and the United States are providing the loan, which will be used in building railways in China.

The Canadian Pacific Railway have contracted for large extensions to their irrigated area in the Calgary district. A contract was let last week for five and a quarter millions dollars, which calls for the removal of some 28,000,000 cubic yards of soil and

The United States government have taken steps looking to the negotiation of a trade treaty with Canada, and have invited tariff negotiations between the two countries at the earliest time agreeable to the Dominion. It is not expected that the Dominion government will be in a position to consider tariff proposals called the Country of the consideration of the consideration of the country of th proposals earlier than next September. The United States are anxious to secure more favorable treatment on wood pulp and pulp wood, and desire some understanding with regard to the killing of seals.

Halley's comet passed between the earth sun's face, but little was seen in this country. to Monday the comet has been something of a disappointment, conditions not being favorable in this part of the world for observing this famous celestial

Friday was observed as a holiday in all the British

ouse, only some sation, as against nsation was paid. Meat and Canned

racter, and does Game is added oill applies. The

have never been establishment y with the words ict permits the farmers without ing which would armer. The foled in the amendvhose recognized who slaughters him on his own

dairy and cold or the testing of milk tests, was id use for testing

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Argentine

May 25, 1910

WEEKLY MARKET

in Russian ship	ments foresna	adowed last w	eek.	
	VISIBLE S			
Canadian-	Last week.	Previous weel	Last year.	
Wheat	7,134,895	7,142,911	6,756,464	
Oats		6,652,944	3,427,382	
Barley		949,770	433,761	
Durie	Wheat	Oats	Barley	
Fort William .	. 2,623,704	2,057,755	227,051	
Port Arthur		2,598,610	431,606	
Meaford		8,602	13,227	
Midland, Tiffin	506,779	511,967	10,438	
Collingwood	19,551	1,529	59,902	
Owen Sound	131,000	156,000	23,000	
Goderich	71,742	157,558	37,411	
Sarnia, Pt. Ed.	66,886	94,809	12,017	
Pt. Colborne	200,000	70,000	14,000	
Kingston	81,000	251,000	70,000	
Montreal		438,400	402,036	
Ouebec	27,000	57,000	2,100	
2,	AMERICAN V	VISIBLE.		
	Last week	Previous	Last year.	
Wheat	22,867,000	24,584,000	24,160,000	
Corn	7,779,000	9,300,000	1,658,000	
Oats	7,275,000	8,118,000	7,373,000	
	WORLD'S SHI	IPMENTS.		
America	3,808,000	1,952,000	2,656,000	
Russia	5,088,000	3,168,000	3,416,000	
Danube	312,000	576,000	1,032,000	
India		536,000	1,096,000	
The state of the s	1 010 000	0 100 000	1 0 = 0 00	

Australia Various. Total. STOCKS IN TERMINALS.

Total wheat in store, Fort William and Port Arthur, on May 13, 1910, was 5,178,807.20, as against 5,321,469 last week, and 5,872,575.20 last year; two years ago 6,816,597.40. Total shipments for the week were 979,610, last year 1,660,564. Amount

of each grade was:			7
0	1910.	1909.	Ţ
No. 1 Hard	32,633	5,873	
No. 1 Northern	2,049,994	1,063,157	1
No. 2 Northern	1,635,555	1,406,205	,
No. 3 Northern	375,622	1,262,831	-
No. 4		784,355	1
No. 5	55,817	295,026	1
Other grades	833,843	1,055,126	1
Stocks of Oats-			J
No. 1 Extra	1,993		(
No. 1 White C. W.	372,712		
No. 2 White C. W.	3,453,486		,
No. 3 White C. W.	497,092		- 1
Mixed	23,559		1
	4,656,365	2,826,952	
Barley	658,657	227,112	J
Flax	379,666	905,442	J
Shipments—	010,000		
Oats	923 200		
Barley	19.027		N
Quantity of breadstuffs	shipped for	orders in-	J

cluded in above 632,000, last week 1,664,000, last year 1,872,000. Total wheat taken by continental countries 5,496,000, last week 4,184,000, last year 4,696,000.

On passage—Wheat 49,576,000, last week 50,-088,000, last year 43,176,000; decrease 512,000. Corn 6,308,000, last week 4,786,000, last year 14,-403,000; 403,000; increase 1,522,000.

BRADSTREET'S VISIBLE United States and Canada 42,576,000, year ago Values were not much disturbed during the past

tinued cold weather, but higher temperatures now offering.

The present outlook is for about an average crop.

Germany-The crop outlook is very favorable,

the acreage. Holders are firm.

Grain markets have been declining almost steadily since last report. Wheat is under bombardment of bear influence which threatens to send values for this cereal still lower. Livestock markets are steady.

GRAIN

Wheat markets opened under conditions that had been general in Western Canada and the spring wheat country of the United States; world's shipments were two million bushels over the previous week, the increase due almost entirely to the increase in Russian shipments foreshadowed last week.

Argentine—A good increase in the acreage under wheat is less favorable for the harvesting of corn, it being cold and wet.

CHICAGO MARKET CONDITIONS

An American market authority, writing of the market situation in Chicago, has this to say:

The concentrated holdings in the wheat at Chicago, continue to overbalance the bearish conditions surrounding the position of this speculative cereal. The May future as well as the September are in the iron grasp of the market situation in Chicago, the previous week, the increase due almost entirely to the increase in the acreage under wheat is expected. The weather is less favorable for the harvesting of corn, it being cold and wet.

CHICAGO MARKET CONDITIONS

An American markets are several factors that may influence to lower values. American markets are several factors that may influence to lower values. American markets are several factors that may influence to lower values. American markets are several factors that may influence to lower values. American markets are several factors that may influence to lower values. American markets are several factors that may influence to lower values. American market at Chicago, ontinue to overbalance the bearish conditions surrounding the position of the position of the position and the logical influence to lower values. American market authority writing of the market situation in Chicago, the previous with veal. Hogs supplies are less strained, with veal.

Market situation of the united States and supplies are less of the united States showed marked improvement west of the Mississippi, fair. and in the spring wheat states the conditions are reported as almost perfect. George M. LeCount, the crop expert, who is now in Kansas, says that the crop is improving daily and that with a spell of warm weather in that state further improvement will be Some fields are expected to show a yield of thirty bushels. CASH SITUATION POOR

No demand exists for cash wheat. European buyers under the promise of heavy Russian shipments are not anxious to get a line on North American wheat, and the fact that Liverpool was badly broken, owing to the King's funeral, and another public holiday falling in the week, so that the market did not get settled down to its pace.

OUTLOOK BEARISH Review of the situation in grain at this junctiure indicates the probability of lower prices. Conditions here and in Europe are indicative of declining values. With the crop of Europe coming along in fair order, and with good harvest prospects; with the 728,000
1,312,000
264,000
40,000
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	active to ac	cicasc	values	Call D	CILCCH	CU.	
		WINNI	PEG CA	SH PR	ICES		
	Wheat.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
	No. 1 Nor No. 2 Nor No. 3 Nor	973	971	961	953		941
)	No. 2 Nor.	941	945	931	931		943
,	No. 3 Nor	93	995	911	911		895
	Oats.	00	028	012	014		008
		203	203	201	$32\frac{1}{4}$		32
	Doglar	021	028	027	027		02
	Barley.	4.5	4.5				
	No. 3	40					
			LIVER		1001		1005
	No. 1 Nor		$109\frac{1}{8}$	1098	1098	4. 1. 1. 1.	1085
	No. 2 Nor .		107 §	$107\frac{3}{8}$	108		$106\frac{3}{4}$
	No. 3 Nor .		105%	$105\frac{3}{8}$	$105\frac{3}{8}$		$104\frac{3}{8}$
	May		$100\frac{1}{8}$	$100\frac{7}{8}$	997		$99\frac{1}{8}$
	July		$100\frac{7}{8}$	$101\frac{3}{8}$	$99\frac{3}{4}$		$99\frac{1}{8}$
	October		102	103	$101\frac{1}{2}$		$100\frac{5}{8}$
		AMERIC	CAN WH	EAT O	PTIONS		
	Chicago.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
	May	1131	1123	1123	112	1111	1101
	July	$103\frac{3}{8}$	1037	1025	1025	$102\frac{3}{4}$	101
	Sept	1011	1011	1003	$100\frac{1}{2}$	$100\frac{1}{2}$	
	Minneapoli	S.					
	May	. 109	109	1 108	1 1081	109	1081
	July	1087	1087	1071	1073	1081	1085
	September	100%	100%	991	991	991	975
	New York		1002	008	008		
	May		116	1151	115	115	1143
	July		$110\frac{7}{8}$		$109\frac{3}{4}$	1097	
	September.	$017\frac{3}{8}$			106	106	
	Duluth.	0118	1018	1004	100	100	1008
		1003	1091	1085	109	1081	1095
	May		$109\frac{1}{8}$			1081	
	July				1007	983	100
	September.		$100\frac{7}{8}$		100	308	100
	3.5		UTH FI		000	210	915
	May	226			208	210	
	September.	1712	$170\frac{1}{2}$		170	$169\frac{3}{4}$	171
			LIVES	TOCK			

Values were not much disturbed during the past 38.748,000. Europe and afloat 86,500,000, year ago 64,100,000. Wheat decrease, 3,931,000; corn decrease, 2,453,000. Last year wheat decrease, 5,681, about on the same basis. At Winnipeg, fair supplies have been received at prices close to those of a week ago. Outside markets report the same basis. The same basis of a week ago. Outside markets report the

The calf run at Chicago, which has been a feature France—The growing crop shows further de- of that market since January continues. It is diffiterioration as a result of the continued cold weather. cult to explain why American stock raisers should be slaughtering the calf crop as persistently as they The weather now shows some improvement, follow- have been doing, but the fact is that calves have been ing very unfavorable weather conditions. Holders in heavier delivery at Chicago than they are in the fat years. And this is a lean year in live stock.

CATTLE SHOULD GET DEARER although the crop is somewhat backward due to the cold, wet weather. The weather now is summerlike.

Now that shipments of winter-red stock are waining, it is evident that there is a scarcity of choice grain-tied cattle, and unless packers have sufficient beef Now that shipments of winter-fed stock are waning, Hungary—The crop outlook is good, with the fed cattle, and unless packers have sufficient beef weather conditions favorable.

Australia Drought still prevails, which hinders the sowing of the new crop, and also diminishing the acreage. Holders are firm.

* * *

Indeed cattle, and unless packers have suincient beef in storage to tide them over till grass-made beef comes to markets, cattle prices should go some higher than they are. This paucity of choice beef and Lacombe on June 1, under the auspices of the cattle is not confined to the West alone. Eastern Manitoba and Alberta Live Stock Associations.

lower or higher level without as much as an effort liberal, and quality fair to good. The market was on the part of those who are long. The one word "manipulation" probably covers the situation in plain and medium, 15 to 25 cents lower. Hog wheat better than would a column article. With receipts of cattle for the past week were fairly liberal, and quality fair to good. The market was on the part of those who are long. The one word steady this week on all classes of good killing cattle; "manipulation" probably covers the situation in plain and medium, 15 to 25 cents lower. Hog wheat better than would a column article. With market steady. Very few selves were offered, and quality fair to good. The market was on the part of those who are long. The one word steady this week on all classes of good killing cattle; "manipulation" probably covers the situation in plain and medium, 15 to 25 cents lower. Hog market steady. Very few selves were offered, and quality fair to good. The market was on the part of those who are long. The one word steady this week on all classes of good killing cattle; "manipulation" probably covers the situation in plain and medium, 15 to 25 cents lower. Hog market steady. Very few sheep or lambs are arising the part of those who are long. in Illinois, where losses are claimed, the reports riving. Very few calves were offered, and quality

	Idii.			
2	Choice export steers, freight as-			
	sumed	\$5.75	to	\$6.00
3	Good export steers, freight as-			
	sumed	5.50	to	5.75
5	Choice export heifers, freight as-			
f	sumed		to	5.75
	Choice butcher steers and heifers,			
	delivered	5.50	to	6.00
1	Good butcher cows and heifers	4.50	to	5.00
-	Medium butcher mixed cattle	3.50	to	4.00
-	Choice hogs	10.25	to	10.50
7	" lambs	7.00	to	5.70
	" sheep	6.50	to	7.00
t	" calves		to	5.00
	Medium calves	4.00	to	4.50
	REPRESENTATIVE PUR	CHASES		
	No. Hogs. Ave	. weigh	t.	Price.
-	196 Medium hogs	210		\$10.65
7	55	213		10.60
	624 "	225		10 50

740.	HOES.	2 x v C	. WCIZIIC.	I IICC.		
196	Medium hogs		210	\$10.65		
55	" "		213	10.60		
634	44 44		225	10.50		
78	** **		216	10.25		
7	Light hogs		114	9.50		
1	Stag hogs		300	8.00		
	Cattle.		500	0.00		
4			1175	\$6.25		
2	Steers					
			1188	5.00		
1	74.27.24.21.21.21.21		800	4.00		
1	Cow		1250	5.50		
3	************		1017	4.50		
5	**		912	4.00		
1			1000	3.50		
1	Heifer		980	5.00		
2	Bulls		1638	5.25		
3	**		1043	5.00		
2	11		1525	4.75		
8	**		1148	4.00		
14	Steers and cattle		1137	6.40		
47	11 11 11		1170	6.35		
15	a		1150	6.25		
4	0 0 0		1127	6.00		
				5.65		
20			795			
14			943	5.50		
4			900	5.25		
37			993	5.00		
2	Calves		150	6.00		
32	**		117.	5.85		
2	**		125	4.50		
8	Lambs		36	12.41		
1	Sheep		80	6.25		
	TORONTO					

Receipts, cattle, 5,274; calves, 779; sheep, 317 hogs, 618. Prices: Export steers, \$6.60 to \$7.50; export heifers, \$6.30 to \$6.75; cows, \$5.50 to \$6.00; bulls, \$5.00 to \$6.25; prime butcher cattle, \$6.75 to \$7.00; medium to common, \$5.50 to \$6.75; cows, \$5.00 to \$6.00; bulls, \$5.60 to \$6.00; calves, \$3.00 to \$6.50; feeders, \$6.00 to \$6.80; stockers, \$2.60 to \$5.00; sheep, \$5.00 to \$5.50; spring lambs, \$3.00 to \$6.50; hogs, fed and watered, \$9.65; off cars, \$9.90. MONTREAL

Receipts: Cattle, 1,500; calves, 525; sheep, 125; hogs, 1,560. Prices: Prime butcher, \$7.00 to \$7.25; medium to choice, \$4.25 to \$6.25; bulls, \$3.00 to \$5.30; calves, \$2.50 to \$6.00; sheep, \$4.00 to \$6.50;

Latest London cables quote Canadian steers at 15½c.; American, 15½c. Liverpool cables: Canadian steers, 15c. to 15½c.; American, 15c. to 16c.

Receipts: Cattle, 63,246; hogs, 109,378; sheep, There was a substantial increase in live 70.011. stock at the principal American market last week. Prices were down on all but best quality cattle. Sheep continue in increasing delivery, and are declining steadily in values. Prices are as follows: Choice steers, \$8.00 to \$8.70; medium steers, \$6.00 to \$8.00; cows, \$3.00 to \$6.75; heifers, \$4.50 to \$7.00; bulls, \$4.75 to \$6.50; calves, \$6.00 to \$7.50; stockers, \$4.00 to \$5.75; feeders, \$5.65 to \$6.60; hogs, \$9.60 to \$9.80; sheep, \$5.00 to \$6.25; lambs, \$8.50 to

monarchs. Em-European count. George Chapel, ne representatives took part in the d by High Commembers of the land. Theodore sador to England don was thronged uneral procession is was one of the been witnessed in

Home Tournal

People and Things the World Over

E. W. Day, of Daysland, Alta., has offered a valuable site of eighty acres upon which to erect faithfully done. And if one girl can do it an- object of the League is to promote mutual unthe proposed Presbyterian Ladies' College in other can. Then why not allow women to take derstanding, help and intercourse among all

Dr. Mawson, who was with Sir Ernest Shackleton, on the famous journey to the South Pole, says that evidences of plant life were plainly visible there.

"We have the richest language that ever a people has accreted, and we use it as if it were the poorest. We hoard up our infinite wealth of words between the boards of dictionaries and in speech dole out the worn bronze coinage of our vocabulary. We are the misers of philological history. And when we can save our pennies and pass the counterfeit coin of slang we are as To as happy as if we heard a blind beggar thank us for putting a pewter sixpense into his hat."— Morals of Marcus.

On the occasion of celebrating his 81st birthday, General Booth sent the following message: The secret of long life and happiness lies in these rules: Eat little, drink water, work hard, keep warm, make God your friend, get your name into the Book of Life, keep a good conscience, do your duty to those over or under you, use your money, your time and your influence to help Jesus Christ to save the world from misery; do these things and your peace shall flow as a river, and you shall live as long as God wants you on earth, and then go to live with him in Heaven forever.

A scholar named Renshaw, aged 12 years, who attends the Wesleyan day schools at Ashburne, Derbyshire, was asked along with other lads to write a short essay on the budget. The following is his unaided production: The budget is a finance bill. It is drawn up by the premier and the chancellor of the exchequer to pay away part of the national debt, and all the officers engaged by the crown, such as judges, policemen, postmen and the army and navy. In the present budget the old age pension act must be provided for. The present budget (brought about by the Liberals) is known as the to His Mercy Our late Sovereign Lord King not so much for financial help as for the social people's budget. First of all it leaves the food of the people untaxed; second, it lifts the burden off the poor; third, it unlocks the land to the people; fourth, it adapts the burden to the land and all other His late Majesty's Dominions In Canada the intention is not to form branches backs that are able to bear it; fifth, it is a is solely and rightfully come to the High and which will conflict with other organizations triumph of justice; and sixth, it is the final Mighty Prince George Frederick Ernest Albert, doing a somewhat similar work. Where the unanswerable argument for free trade.

A Successful Waiting

is in an excellent location though as yet unbroken, death of our late Sovereign of happy and glorious try schools could do an immense amount of emthat for twelve days and nights she remained at memory become our only lawful and rightful pire building by arranging with the league the door of the land office, staying faithfully at Liege Lord George the Fifth by the Grace of to have their pupils begin a correspondence with her post until the homesteads were thrown open. God, of the United Kingdom of Great Britain school children in other British possessions. Those twelve days and nights contained much of and Ireland and of the British Dominions beyond The scholars are always intensely interested and inconvenience and difficulty, but her friends, the seas, King, Defender of the Faith, Emperor absorb the history and geography of sister lands admiring the pluck of the girl, provided her with of India, Supreme Lord in and over the Dominion with avidity, and to keep up their side of the as much comfort and companionship as pos- of Canada, to whom we acknowledge all faith correspondence they will be eager to get more and sible. Once she had to defend her position and constant obedience with all hearty and accurate knowledge of their own country. Its against a man who had ambitions to own that humble affection, beseeching God by whom all value, especially among the children of foreigners strip of land, but who war a little late in arriving Kings and Queens do reign to bless the Royal who have come to this country in total ignorance on the scene. But he retired more or less un- Prince George the Fifth with long and happy of the Empire and its meaning, cannot readily gracefully and left Miss Williams in possession years to reign over us.

of the field and of the half section. She is going to do homestead duties upon it during the next three years, by the end of which time it should be greatly increased in value. There isn't much doubt, from what the lady has displayed of her character, but what those duties will be well and up homesteads on the same conditions as are citizens of the British Empire. Half a world's allowed to men?

Proclamation of George V in Canada

By His Excellency the Right Honorable Sir must be based on knowledge. What real in-Albert Henry George, Earl Grey, Viscount Howick, Baron Grey of Howick, in the County of Northumberland in the Peerage of about? the United Kingdom, and a Baronet; Knight of Saint Michael and Saint George, Knight Grand Cross of the Royal Victorian Order, etc., etc., Governor-General of Canada.

all to whom these presents shall come-Greeting:

TEARS.

(By Lizette Woodworth Reese.) When I consider Life and its few years— A wisp of fog betwixt us and the sun; A call to battle, and the battle done Ere the last echo dies within our ears; A rose choked in the grass; an hour of

The gusts that past a darkening shore do beat;

The burst of music down an unlistening street-

I wonder at the idleness of tears. Ye old, old dead, and ye of yesternight, Chieftains and bards and keepers of the sheep,

By every cup of sorrow that you had, Loose me from tears, and make me see

How each hath back what once he stayed to weep Homer his sight, David his little lad!

Edward the Seventh, of blessed and glorious privileges and friendly relations that can thus memory by whose decease the Imperial Crown be almost immediately established by strangers of the United Kingdom of Great Britain and Ire- in a strange land. Now Know Ye that I, the said Sir Albert Henry Daughters of the Empire have societies establish-George, Earl Grey, Governor-General of Canada ed the league will carry on its work through these. as aforesaid, assisted by His Majesty's Privy But even if there is no Daughters of the Em-Up at Saskatoon last week a school teacher, Council for Canada, do now hereby with one full pire, or no Victoria League, anyone who is in-Miss Williams, was successful in filing on a half- voice and consent of tongue and heart publish terested can get into touch by writing to the section of South African scrip. She was so and proclaim that the High and Mighty Prince Victoria League, 2 Millbank House, Westmuch in earnest about obtaining this land, which George Frederick Ernest Albert is now by the minster, S. W., London, Eng. Teachers in coun-

For Britons the World Over

my with con win drin lov

You Rig

The aims of the Victoria League are being set forth in Canada by Miss Talbot, the energetic and capable secretary of the organization. The distance cannot break the ties of common nationhood that hold together the dominions of the Empire, but the truest sympathy and loyalty terest have we in a thing we know nothing

The membership of the Victoria League, Grand Cross of the Most Distinguished Order which for nine years has been endeavoring to promote the happy project mentioned above, is composed of both men and women. The headquarters are in London, Eng., and there are many branches, both in and out of the home Whereas it hath pleased Almighty God to call land. The actual work is divided among various committees. The education committee organizes meetings and lectures to labor unions, reading circles, societies of all kinds, on the geography, history and resources of the parts of the Empire; promotes the study of Imperial subjects in schools, gives prizes for essays and manages a lending library. The literature committee collects and despatches to the country districts of the colonies good English books; it provides colonial school lending libraries and sends books and newspapers to settlers in remote places. It arranges for the interchange of newspapers and magazines among the various countries. The hospitality committee does very important work. It welcomes visitors from any part of the Empire who arrive in any English town where the league is organized, and especially in London, if they present reputable introductions. They take pains to introduce these visitors to residents who can give them most help or information along the particular line they desire. This acquaintanceship is of mutual benefit. Help is also given when the difficulties that often accompany travel occur. Settlers going out to the colonies can obtain letters of introduction to the branch organizations in the country to which they are going. This is

be estimated.

Id Over

gue are being set ot, the energetic ganization. The note mutual unurse among all Half a world's of common nadominions of the thy and loyalty What real ine know nothing

Victoria League, 1 endeavoring to ntioned above, is men. The head-, and there are out of the home divided among cation committee to labor unions, 11 kinds, on the es of the parts of udy of Imperial es for essays and ne literature coms to the country English books; it ing libraries and settlers in remote erchange of newsthe various counee does very imrisitors from any e in any English inized, and espect reputable introintroduce these give them most ie particular line eship is of mutual when the diffily travel occur. s can obtain letters 1ch organizations tre going. This is) as for the social ns that can thus ishd by strangers

t to form branches her organizations vork. Where the societies establishork through these. nters of the Emanyone who is iny writing to the ik House, West-Teachers in counise amount of emwith the league rrespondence with ritish possessions. sely interested and ohy of sister lands their side of the ger to get more and own country. Its ildren of foreigners in total ignorance ng, cannot readily

EAT, O FRIENDS!

I am come into my garden, my sister my spouse: I have gathered my myrrh with my spice; I have eaten my honeycomb with my honey; I have drunk my wine with my milk; eat, O friends; drink, yea, drink abundantly, O be--Cant. v.: 1.

You say, "Unless a man shall work Right earnestly and never shrink, He may not eat"—Now look, the change

And yet the truth is plain to see, Inless man eats, and frequently-He cannot work at all.

-CHARLOTTE P. STETSON.

Bride continually call to the feast, and this world-wide invitation is respected by all who accept it for themselves—
"let him that heareth say, Come."
"let him that heareth say, Come." Over and over again, the servants of the King — Apostles and prophets, preachers and teachers, learned leaders and ignorant disciples—call to the hungry: "Come and eat!" to the thirsty: "Come and drink!" The cry resounded from east to west, and now itis echoed back from west to east again.
"Ho, every one that thirsteth, come ye to the waters, and he that hath no money; come ye, buy, and eat; aye, come, buy wine and milk without money and without price. Wherefore do ye spend money for that which is not bread? And your labor for that which satisfieth not? Hearken diligently unto me, and eat ye that which is good, and let your soul delight itself in fatness.

And yet everywhere we see men and women devoting all their energies to the pursuit of "that which satisfieth not," growing careworn and weary from the toil of climbing up the hill of earthly greatness, paying little heed to the wonderful invitation of Him who is "altogether lovely," to feast with Him in His garden. He cares—what a wonderful thought that is. It is not only for our joy and profit that the Bridegroom awakes our careless souls with His pleading call: "I am come into my garden, my sister, my spouse

eat, O friends; drink, yea, drink abundantly, O beloved!" It is not only the necessities of life that He has provided for His bride. In the text are mentioned such luxuries as "spice, honey and wine.'

When the disciples were overpressed by work, so that "they had no leisure so much as to eat," their Master always watchful and considerate—said to them, "Come ye yourselves apart into a desert place, and rest a while." It is a wrong to our dear Lord to act as though He cared only to have us work for Him. Like any other bridegroom, He seeks out opportunities of quiet, refreshing communion with His beloved—and only He knows how often His voice is drowned or unheeded in love our Master, and we try to prove our love by working for Him. That is a good thing—in moderation. A wife husband; but they drift apart if she is working too incessantly to be his com-The sweetness of fellowship should not fade when the betrothal blossoms out into marriage, but should grow stronger and more satisfying all through the years. And marriage is the earthly shadow of our fellowship with God. He desired to eat the passover with the Apostles—"I have heartily desired" is the marginal rendering of S. Luke xxii.: 15—and He heartily desires also to keep life's feast of joy

are provided for the poorer children, man knew his business. Quick as a transformed into the likeness of the

Hope's Quiet Hour

that they can't learn their lessons properly unless they are properly fed.

the natural life without food and fresh

because it has been proved so certainly flash he answered: "It is in the houses where there are lots of books that I find it easiest to sell—the people there are readers." He was quite right, and my And this rule holds good in the readers." He was quite right, and my spiritual life. To do good work for remark was proved a foolish one. The God, and to grow in holiness, we must people who surround themselves with God, and to grow in holiness, we must people who surround themselves with come to Him regularly and frequently. books will want more books, and will The attempt to live a Christian life secure them—where there's a will there's without conscious communion with a way. The people who pray, and read God is as foolish as to attempt to live their Bibles, will grow more and more hungry for the food which is like the The Bible is full of invitations to the marriage-feast of the King's Son. In the beginning of Genesis we read how those who are trying to follow Christ. God prepared for His beloved friends God prepared for His pleasant to the sight a mere formality hyperial through as a mere formality hyperial through a mere formality hyperial "every tree that is pleasant to the sight a mere formality, hurried through as a and good for food; the tree of life also duty, and forgotten very quickly in the midst of the garden" (that tree day's rush? And yet there is no need for my hich man, by his own sin, barred from which man, by his own sin, barred for us to wrong ourselves and Christ accordingly—if our prayers are formal, himself). In the last chapter of the in this way. Lack of time is not the more eagerly come to the smitten Rock may help some who are weary and heartsick to see more clearly the Face of the King." Many will be grateful accordingly—if our prayers are formal, book; a great deal of it, indeed, we do not hesitate to describe as beautiful."

—Publisher's Circular.

"IT WAS THE TIME WHEN LILIES BLOW AND CLOUDS ARE HIGHEST

meeting fill the whole day? But love chine neglect. der if it is poor and thin and weak.

When lovers are parted, if No one is too sinful to be included in they seldom meet in spirit, or neglect the invitation; but the King provides a opportunities of sending messages, they suitable robe for each guest, and anyone usually drift apart. And, if we are care-less about meeting with Christ, or hurry place—the pace especially provided for through the occasional talk with Him him. Over and over again in S. Paul's because -- like Martha -- we are too "cum- epistles, men are told to "put off the old bered about much serving" to enjoy man and put on the new man," to "put sitting quietly at His feet, then we are on Christ." What does that mean? starving our spiritual life. Little won- How can we be "clothed with Christ?" One way, at least, of "putting on" an- Into the woods my Master came, Do you think it is an unjust law that other person is to be constantly in his Forspent with love and shame. "to him that hath shall be given," more company. Slowly, but surely, the But the olives they were not blind to and more abundantly? It holds good weaker nature catches inspiration from always. If your mind is well stored the stronger. The high ideals of the The little grey leaves were kind to Him with knowledge, it will continually leader become the ideals of his followreach out to grasp more; if your body ers. If this life be a trysting-place with When into the woods He came. is strong and healthy, it will find health Christ, then it can no longer be a desert

And what infinite loss we sustain if we pay no attention to His gracious invitation!

"Unless man eats, and frequently—He cannot work at all."

This is self-evident in the natural life. In order to do good work—either manual or brain work—it is necessary that sufficient nourishing food be eaten and digested. In many city schools, meals are provided for the poorer children, and health, it will find health chrive in cold and thrive in cold and thrive in cold and everywhere, and thrive in cold and thrive in cold and thrive in cold and thrive in cold and everywhere, and thrive in cold and thrive in cold and thrive in cold and everywhere, and thrive in cold and thrive in col

Master. Then the eager soul will joyfully accept the invitation to become one with the Beloved in the mystery of the Lord's Supper, saying, with George Herbert, in wondering faith:

"To me dost now Thyself convey;

By the way of nourishment and strength Thou creep'st into my breast, Making Thy way my rest."

DORA FARNCOMB.

"The Vision of His Face," by Dora Farncorab. The Farmer's Advocate, Winnipeg, Man. Price, \$1.00; 224 pages;

"The purpose of the authoress is expressed in the preface; it is that she may help some who are weary and -Publisher's Circular.

THE HOME OF THE KING

Sandringham Hall was in an especial sense the home of the King, the place where he could forget, for the time,

that he was a royal person and could follow his own inclination as a man.

The Hall is not a dwelling of great splendor. Its chief glory consists in its surroundings, and in this respect England con beaut of fow constant. surroundings, and in this respect England can boast of few country seats that are better provided. The property was acquired by him when he was Prince of Wales, about forty years ago, and was largely rebuilt. The house is a long low pile of red buildings, faced with white stone following the Elizabethan style, but nevertheless frankly modern. Over the entrance door is the inscription: "This house was built by Albert Edward and Alexandra his wife, in the year of Our Lord, 1870."

The hour of breakfast at Sandring-ham was half-past nine. The meal was usually served in continental fashion at a number of small tables holding four persons each. After breakfast, in the shooting season, the men were out with their guns until about 2 o'clock, when luncheon was sent out to them. Tea was served indoors at the approach of darkness, the favorite place for the purpose being the entrance hall. When the meal was over, everyone retired to dress for dinner, meeting again in the drawing room. Dinner was a somewhat cere-monious function, lasting usually about an hour and a half.

Sunday was observed strictly as a day of rest. A rule was in force that no carriages should be used on that day except in case of necessity and the household went to church on foot. With a natural anxiety to catch a glimpse of royalty, the country people usually assembled outside the church gates to watch the royal party enter.

After the pronouncing of the benediction, the royal party would leave by

a private door, the congregation stand-

ing during its departure. The remainder of the morning was usually occupied by a stroll around the gardens or a visit to the stables. The afternoon was spent reading or walking in the grounds and a quiet dinner in the evening brought the day to a conclusion.

A BALLAD OF TREES AND THE MASTER

In to the woods my Master went, Clean, forspent, forspent.

The thorn-tree had a mind to Him

MORE BOYS WANT HOMES

There are at present in the shelter of the Children's Aid Society, Regina, six boys ranging in age from three to eight years. Five of these are brothers, Edwin, Kaspar, Oliver, and Elmer and Ezekiel who are twins. These are fine healthy boys in good condition; any father or mother would be proud of them. Their own mother is dead and the father is not able to care for them. Applications may be made to Mr. Theo. Zeats, Sec'y Children's Aid, Regina, Sask.

The subject of hospitality has been

always lived on the farm. Now we are before using living in the "city." It makes us Onare times when we would like to have one or two people perhaps, in to dinner or tea. The good man of the house sometimes wishes to bring a gentleman

able to entertain anyone properly cheerful alacrity.

Now, I do not feel at all badly because Any guest when the control is the control in the control is the control in th quite contented so long as what we without help is almost impossible if made from jelly powder with whipped oil and bathbrick. have is the best we can afford, but I do meal. Will you help me? For a num ber of years I have been so closely at home that I have not been able to learn those things I wish to know by observation, and any menus I have seen printed are mostly elaborate. We have four children and I do my own work, except washing. I am not every strong and tire easily. Dame Durden, if it is not asking too much, will you tell me how a table also what is nice to have for tea? On the farm our meals had to be so very substantial for laboring men that I am at a loss to know what to get here tea? And when during the meal are

they served, and how? Are cold meats served at tea time and if so are the tea plates removed after that course? Are bread and butter plates used now and are they used

for both dinner and supper

one tablespoon cornstarch and two on the table when setting it, also pepages. Cook together until thick, stirpers and salts, pickles, pitcher of water to a house here where the family are place. I was glad to hear about that ring constantly. Cut up one or two and glasses. Let a guest or one of the very fond of company, but the mistress I wish some of the members would have a constantly below the country to single the country to shill remark the last that the country to shill remark the last that the country to single the country to shill remark the last that the country that the country to shill remark the last that the country to shill remark the last that the country to shill remark the country that the country to shill remark the country that t ring constantly. Cut up one or two and glasses. Let a guest or one of the very fond of company, but the mistress I wish some of the members bananas, according to size in the crust, children look after the last named. has neither daughter nor maid. But tell more about their gardens. cover with the custard and frost with Guests in a house were no help is kept she rarely leaves the table during a come again?

Therefore were glad to the control of the rarely leaves the table during a come again?

The Ingle Nook

fresh roasted peanuts after skins and peeled and cut across) to each guest, that had some ideas in it. Hope you Dear Dame Durden:—What a pleasant surprise I had when I turned to the Ingle Nook in the Advocate of May 4! The subject of hospitality has been the peans after skins and peered and cut across) to each guest, that had some ideas shells have been removed. Chop very A small teaspoon is best to eat it with got it safely.—D. D.)

FROM BONNY States that had some ideas and cut across) to each guest, that had some ideas and cut across) to each guest, that had some ideas and cut across) to each guest. The subject of hospitality has been shells have been removed. Chop very A small teaspoon is best to eat it with got it safely.—D. D.)

FROM BONNY States are skins and cut across) to each guest. The subject of hospitality has been shells have been removed. Chop very A small teaspoon is best to eat it with got it safely.—D. D.) heaping tablespoonful of cold butter, and vegetables. Don't feel panictroubling me somewhat for the past three tablespoonfuls of sugar, one teasefew weeks.

Until the last two years we have always lived on the farm. Now we are before using.

The past three tablespoonfuls of sugar, one teaseful was stricken if your guests have to wait a spoonful of flour, two eggs, one-half moment between times. Such breathing spaces are good for conversation, and if they are accustomed to living

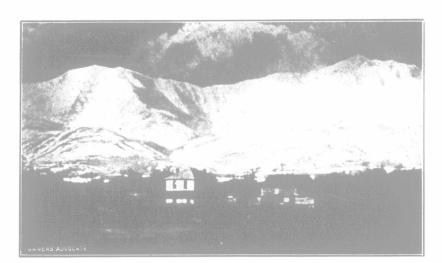
ALEXANDRA. tario people smile to hear a small place
like this called a city. We are not very much acquainted as yet, but there and I debated whether to put it in the the meal with the roast and follow it water, not only brightens a carnet but water.

to serve the meal nicely. I am always head of the table. And a formal meal plates upon which to serve it.

Take two bananas, sliced thin, and dishes and platters warming. The next issue if I have time and the memore-half cup English walnuts chopped bill of fare you give for your ordinary medium fine. Mix all together, add enough for any guest, to it. I hope I have helped. I put enough sugar to taste and leave standbut if you want some extra touches your letter in Ingle Nook in case some. ing two hours and serve. This makes there are several ways of accomplishing one else had experienced your difficultion a nice dessert.

This makes there are several ways of accomplishing one else had experienced your difficultion without too much work. If it is ties, too. Used your addressed entering the several ways of accomplishing one else had experienced your difficultion without too much work. If it is ties, too. Used your addressed entering the several ways of accomplishing one else had experienced your difficultion. Peanut Sandwiches.—Take a glass of a hot day serve half an orange (un-velope to send a copy of a magazine in hotels or restaurants they are used thought I would drop in for a talk with

paper or in the W.P.B. It has ap- with a salad, or celery or tomatoes, water, not only parently justified its existence since it crackers and cheese, which can all be prevents moths. drew such a nice long letter from you. put upon the table to begin with and Your dinner menu sounds good to me, can be served on the bread-and-butter yield to soaking in salt water. Camphor home to dinner and I would like to be and I'd accept an invitation to it with plates. In the meantime you can among your silver will keep it free remove the dinner plates (taking the from tarnish. Any guest who isn't entirely given plates from the left side of each guest) my house may not be furnished as over to the worship of his digestion platter, vegetables, gravy and pickles, by flouriely, or because my dishes and linen would prefer a simple meal and an untraction. Then pour the tea and remove the are less costly; it is the getting or having worried hostess to the most elaborate small plates and salad bowl, bringing who was a superfect of the most elaborate small plates and salad bowl, bringing who was a superfect of the most elaborate small plates and salad bowl, bringing who was a superfect of the most elaborate small plates and salad bowl, bringing who was a superfect of the most elaborate small plates and salad bowl, bringing who was a superfect of the most elaborate small plates and salad bowl, bringing who was a superfect of the most elaborate small plates and salad bowl, bringing who was a superfect of the most elaborate small plates and salad bowl, bringing who was a superfect of the most elaborate small plates and salad bowl, bringing who was a superfect of the most elaborate small plates and salad bowl, bringing who was a superfect of the most elaborate small plates and salad bowl. the table set properly and being able feast and a tired, hot woman at the on the dessert of pudding or pie and sprinkled and rubbed with hot flour.



be as simple as that? I think I may say that my cooking usually tastes good. I feel almost silly writing all good. I feel almost silly writing all feetly clean table napkin either onto this, but I am sure you will understand my difficulty.

I will send an addressed envelope as I have asked so many questions you may not wish to take up the space may put in any of my letter if you wish to I would like you to ask the mem
The only linen necessary beside the may and another for the with the dessert spoon. Put a personal biscuits, etc., and bring on the feetly clean table napkin either onto fruit and cake. If it is preserved fruit turn out badly; but if you think only of what you are going to get out of the experiment it may be found biscuits, etc., and bring on the feetly clean table napkin either onto fruit and cake. If it is preserved in small dishes, each dish should be set on another plate, but if had a chance you will be doing a good at the dishes are large the bread and butter the dishes are large the bread and butter and biscuits, etc., and bring on the feetly clean table napkin either onto fruit and cake. If it is preserved fruit the dishes, each dish should be set on another plate, but if had a chance you will be doing a good at the dishes are large the bread and butter and biscuits, etc., and bring on the feetly clean table napkin either onto fruit and cake. If it is preserved fruit the dishes, each dish should be set on another plate, but if had a chance you will be doing a good at the dishes are large the bread and butter and biscuits, etc., and bring on the feetly clean table napkin either onto fruit and cake. If it is preserved fruit and cake. If it is preserved, leaving to the dishes are large to the dishes are large the bread and butter and better and biscui

the whites of two eggs beaten with two teaspoons sugar; spread on pie and return to oven and brown. The ingredients given in recipe only make one pie. I made one of these pies and we pie. I made one of these pies and we real cold.

Fruit Salad.—For a family of two the spiral salad.—For a family of two the spiral salad sala

If a couple or more, say, young people are in and spend the evening, should I always serve refreshments before they go away? What should one serve for refreshments?

We usually have for dinner, potatoes, roat meat, vegetables, pickles, then pie or pudding, bread and butter and tea. Would you think it would do to ask anyone in to dinner when it would be as simple as that? I think I may say that my cooking usually tastes

I the usually have for dinner, potatoes, roat meat, vegetables, pickles, then pie or pudding, bread and butter and tea. Would you think it would do to ask anyone in to dinner when it would be as simple as that? I think I may say that my cooking usually tastes

I the disner and use is always relished for supper, such as always relished for supper, such as is always relishe

who board. But they can be light and varied, such as a dish of home-made candy or popcorn, a plate of fruit, cake and lemonade, cookies and tea, or bread and butter, olives and cocoaany one of these combinations is quite

I'll make a list of salads for you for

FROM BONNY SCOTLAND

Dear Dame Durden:-Although I live in Scotland we get The Farmer's Advocate and I enjoy reading the "Ingle Nook" very much. I think it is a very helpful corner and so I

water, not only brightens a carpet but

Blood-stains of long standing will

Lemons may be kept fresh for weeks by floating them in a basin of clean

White furs may be cleaned by being Zinc should be cleaned with paraffin

Keep an apple in your cake box. This will prevent it turning dry.

A friend suggests that the milk used as a finishing polish for linoleum should be boiled. This makes it thicker and gives a glossier surface. It may either sprinkled over the floor and then rubbed in with a flannel or the cloth

may be dipped in the milk. Give a final polish with a soft dry cloth.

Now, I will close with best wishes to Dame Durden and the Ingle Nook

(You are as welcome as the flowers whose name you took, and we are glad to welcome you to our Ingle Nook. Tell us something of Scottish rural life,

A PLEA FOR THE CHILDREN

Dear Dame Durden:-I have been sorry to see the Ingle Nook letters growing fewer and fewer every week, but until now have not been sorry enough Perhaps I had better tell you that we are just in moderate circumstances, of the visitor's presence. I know just able to have things comfortable, but nothing elaborate.

If a couple or more, say, young people the location of the visitor's presence. I know just one woman who can accomplish it, and she is a genius in that particular or by pie. In cold weather, a hot dish we can't spend the necessary half-hour in sending a message to Dame

tablecloth and napkins are a tray cloth to. I would like you to ask the members of the Ingle Nook to send in some nice salad recipes, also recipe for salad of dressing.

Now I will send you three recipes and plates and no butter, only a little wou may like to try yourself.

Banana Pie.—Bake a crust as for lemon or cream pie, make a custard of one cup sweet milk, one cup sugar, one tablespoon cornstarch and two on the table when setting it, also pep-

May 25, 1910

can be light and n of home-made ate of fruit, cake es and tea, or ves and cocoainations is quite

ilads for you for ne and the memd their favorites helped. I put ok in case some-ed your difficuladdressed enof a magazine n it. Hope you

COTLAND

n -Although I t THE FARMER'S oy reading the much. I think corner and so I n for a talk with

be of some use: ens a carpet but

ig standing will water. Camphor ill keep it free

t fresh for weeks a basin of clean

cleaned by being ned with paraffin

your cake box. s it thicker and It may either floor and then ie milk. Give a with best wishes the Ingle Nook

OF SCOTLAND. and we are glad our Ingle Nool cottish rural life

CHILDREN

vook letters growevery week, but een sorry enough ourse we are all vinter, but after tre so rushed that necessary halfressage to Dame which we all find

y enquiries came Iv hands are full and boys, but I ouple should have their home. If at you are going if you think of child who hasn't be doing a good nan whose own p and she adopts years, and gives Another odd case i girl was taken the Aid Society people. She had d been taught to ter-parents were grew into a fine, an and married died when a few me straight to the en her a chance to fill the vacant hear about that. members would gardens. May I

THERESA. are glad to have little bit disapers grow few, but pect many during y all come troopand work is done. I make their rene 1st. -D. D.)



LIGHTS THE FIRE

Dear Cousin Dorothy : - I am a tenyear-old boy and live on a farm. My year-old boy and live on a farm. My father has taken the Farmer's AdvoOne day my father went to Lacombe our school.

We catch gophers at CATE for some time. I go to school and and hired some Indians to chop brush light the fire there. I get ten cents a for us. Then they came and camped in our hay field. On Sunday, Miss morning for it. There is a river flowing B.—, Lizzie and two of my sisters,

to the Ashfield school. We all like our five years and have a boy four years old teacher very well. Since this cold I had one baby die when it was three weather came all the little birds are months old." He said the man with but it put its head under its wing and Ah, here is one now for milk! went to sleep. After a while in the evening it died. I think it was too sudden a heat that killed him. Man. MARY CORRIGALL (14)

NO SCHOOL NEAR

Dear Cousin Dorothy: -I have come

I do not go to school now, as we are to found in pen. I like reading the West-school near us some day soon. I am very fond of riding and we have a little white pony. She is a little hard for kerchief. I wish the club success.

Annie Woosnam.

Annie Woosnam.

Annie Woosnam.

Annie Woosnam.

Dear Cousin Dorothy:—This is my second letter to your beautiful club. I received my button all right, and many thanks for it. I did not see my first letter in print, but will hope to wery much like to have a post card shower on my birthday.

Well, Cousin Dorothy, I would like many thanks for it. I did not see my first letter in print, but will hope to wery much like to have a post card shower on my birthday.

Well, Cousin Dorothy, I would like a correspond with any of the readers who would like a correspond with any of the readers who would like a correspond with any of the readers. We call her Fannie. We have two other orses besides, and we had another black pony that we used to ride most but dad sold it. I think I have called long enough this time, but I will call again if I may. I am sending an addressed envelope and a two-cent stamp for a badge.

DESTRUCTION AMONG BIRDS kind of a meeting. A man with one arm was reading. He would read some and pass the book around to the others first letter to your club. I would like and when it came to him again they to become a member, and I would like would sing a song, and so on. When the get a button. I go to school and I and asked us what we wanted. We seeking shelter. We caught a flicker in our stable. A few days after it chickens with him. He was in front of ceased snowing we could catch birds one and he shot at a chicken and hit his bird, so we brought the other one in the to see his brother, so we didn't bother

SHOOTING STAR.

(Won't you tell us something about the flowers in your part of Alberta?
The only ones I have seen yet round Winnipeg, are the anemone and the sweet coltsfoot. I like your pen-

A BIG DOLL

Vigwam. and her baby was not as large as my I do not go to school now, as we are doll. I am writing this letter with my

A PAIR OF BANTAMS

Dear Cousin Dorothy: - This is my second letter to your club, and not seeing mot to write till April, so I thought that my others in print I thought I would write once again. My father has taken the Appocate for a long time. second letter to your club, and not seeing my others in print I thought I would taken the Advocate for a long time.

DOES HER BEST

Dear Cousin Dorothy:—This is my first letter to your club, so I do not come Wig for the "wam"? I have

GOOD FOR SIX YEARS

spelling and writing, and I am six years bake? I can, a little.

We have fourteen horses, counting my pony and the four colts. I have a

ARTHUR HENDERS.

A NICE VISIT

past our door, and it also flows past the school. It is very nice here in the summer.

CECIL LOXES.

B.——, Lizzie and two of my sisters, my brother and myself, went to see them. We combed our hair in two braids and let it hang over our shoulders as they do. We went and sate deers as they do. We went and sate deers as they do. We went and sate deeps as they do. down on a brush pile in front of the My sister and I have been home from geese, ducks, meadow larks and other



had a fine time.

EDITH M. WADGE.

A FINE CALF

Dear Cousin Dorothy :- As I have not written to the Western Wigwam for a long time, I thought you would think I was not a very good member. I have been away to Ontario with my never written to your corner since it mamma and papa for a visit. We had has changed its name, I thought I a nice time, but think we would rather would write a short letter. My home

WILLING TO TRY AGAIN

see this one.

I was very much pleased to see as many letters on the page this week as there was after you put that note in writing as my pen is spoilt.

Man. Fred Dodge.

A BUSY GIRL

know much about it. I will do my best. I go to school every day. I am in the third grade. The school is just a mile away. We are three miles from the third grade. The school is just a mile away. We are three miles from the third grade. The school is just a mile away. We are three miles from the third grade is the school in grade. The school is just a mile away. We are three miles from the third grade is the school in grade. The school is given by the school is given by the school in grade. a mile away. We are three miles from vice, but I went to school a little last town. We have thirty-six horses and winter. I like schooling very much. I am in the third grade at school. It HAZEL HAYLOCK. will be seven years next July since I came to Canada from Somerset, England. I was thirteen years old on the Dear Cousin Dorothy: -I go to 1st of March, and have four brothers school and study arithmetic, reading, and two sisters. Can any of the Wigs

Busybody.

A NEW MEMBER

Dear Cousin Dorothy :- I have been dog called Joe, and a cat called Tan, a constant reader of the Western Wigbut the little pups and kittens died wam and enjoy reading the interesting and I was sorry. It rained all night, letters. My father has taken The and this morning you cannot step any FARMER'S ADVOCATE for over five years, and thinks there is not another paper to beat it.
I have four sisters and one brother.

My oldest sister is married and has a little baby boy. My brother, sister and I go one mile to school. My brother and I are in the fourth book. They seemed to be holding some of a meeting. A man with one meeting. A man with one meeting in the fields out here now. Our teacher's name is Mr. R. H. F——, and we like him fine. I hope this letter will escape the waste-paper basket, as would like to see it in print. I am enclosing a two-cent stamp for a button. We get nearly forty eggs a day now. I would like very much to receive a post-card shower. Now, as my letter is getting long, I will close and leave room

EMMA ATCHISON.

A FINE BROTHER

Dear Cousin Dorothy :- I live on the farm, eleven miles from Edmonton. My papa has 320 acres of land. I have outside, because they were so numbed with the cold. Something ate a little bird, so we brought the other one in the season visiting our grandma in the am to put the money in the bank. I States, and friends in Winnipeg, and have a brother, Vernon, and a sister, had a fine time.

Mildred, and a dear little baby brother Russell, ten months old. I have two miles to go to school, but the school is closed now for the measles

ALTON JOWIN. Alta.

WHO WILL WRITE TO CARRIE? Dear Cousin Dorothy: -As I have

You have improved the Wigwam very much since last time I wrote. When I wrote you did not have a new name, it has made a great improvement to the Wigwam.

Dear Cousin Dorothy:—I have not been going to school for a long time. I have a red calf, a year horses now. I have a red calf, a year horses now. I have a red calf, a year horses now. I have a red calf, a year horses now. I have a red calf, a year horses now. I have a red calf, a year horses now. I have a red calf, a year horses now. I can also ride on its back. Sask. Charles Metcalfe.

Wigwam.

Charles Metcalfe. of age on the fourteenth of this month, Dear Cousin Dorothy: This is my and if you get this letter I would be

I think I will close for this time.

From your cousin, CARRIE HORNE, 100 Bloor St. W., Toronto.

THREE CATS

taken the Advocate for a long time. Please, Cousin Dorothy, when you draw for the Wigwam can you paint it? I would like to correspond with any girl of my own age (thirteen) if they will write.

CANADIAN SCOTCH LASS. (Had to change your name a little, Don't paint your drawings for the Wigwam. C. D.)

INTERESTED IN FLOWERS

Dear Cousin Dorothy.—It has been taking it since New Year's letter to your club. Wy father to your club. Wy flather to your club. Well, the crocus and buttercup are out again. We have all our grain planted and most of the garden. I must new make up lost time by trying a way of my Western Wigwam. How many of my Western Wigwam in 1910. I have the form and he has shories best. How many of the members with me is Alice. I am the eldest, and be many of the members. Would the control many of my Migr. The name is form the down of the members working on the land. How the club, I hope it with first letter to your club. My father the club, I hope it wight in the letter, I am in grade VII. My father were working on the land. How the wifits letter to your club and the farmers are working on the land. How the wifits letter to Dear Cousin Dorothy and Wigs



NOT SUCH A BAD TOWN

Dear Editor:—This is my first letter to the Boys' Club. I have always been just going to write all the time, but have always put it off till now. out for wrong grammar and spelling, for I am not very good in either, especially grammar, which I do not like. My father has taken The Farmer's Advocate for eight or nine years.

Our town is what Mark Twain called a one-horse town. I like it pretty well anyway though, because we have ducks and all kinds of shooting and in the winter there are lots of prairie chickens, and sleigh-riding, skating and all kinds

of games. I think I will keep up a correspondence with the Boys' Club. I am thirteen years old and go to school. I will now have to close, but before I do I would like to tell that farming is one of the highest occupations, because if it was not for the farmer we would all starve to death, because "the farmer feeds them all." I will end with a

question or two. 1. Which side of a tree does the most

moss grow on?
2. If fifteen cows are on a hill feeding how many face the same way?

PRAIRIE BROTHER.

(I was in your town once and can testify that it is very hospitable and kind to strangers.—Ed.)

A PASTIME AND PROFESSION

Dear Editor:-I must write again to your interesting club and I hope this letter will escape the waste paper basket. I am also fond of taxidermy and think it a pleasant pastime as well as a profitable profession. I would like if the editor would send me E. J. A.'s address, as I wish to correspond with

There are not many ducks around here so I will not attempt to answer Pat's question, but I have heard that

more work, and if used right will do it cruel to our fellowmen. willingly, where an ox has to be urged in. And there is profit in raising colts at the price horses are now. Also your columns of the Boys' Club. If a horse is a pleasure to drive.

GRAYDEN WOODS (14).

THE FIRST DEFENCE

Dear Editor:-I am pleased to have the opportunity in your valuable paper in the Boys' Club of defending myself and everyone who loves to trap, hunt

trapping in your columns, as it en- about what someone told you of huntcourages a boy to be cruel and savage ing making people cruel, and I guess As time goes on the horsemen know in his nature.

The oval teeth three-sided grow; in his nature.

hunt, fish and trap.

this game if they do not want them minute longer than he can help. Just caught again? Because they do not to have a gun and be able to load and want them extinguished. Some of fire it is not enough to be a hunter the pleasure resorts just to be caught not be ignorant or greedy. again in the summer months.

The hunter kills thousands of birds that destroy crops, such as geese, and (Correct spelling and grammar are many different kinds of small birds, time things but ideas are finer, and for But here with you I watch each pair They also kill many hawks that other- the sake of your good idea I was glad take all of his profit.

Then there are the wary coyote and wolf, which take the stockman's calves and the poultryman's chickens. The weasel, mink and skunk also come at alum makes a good preservative. night and kill the chickens and suck their blood. Sometimes the daring a success of mounting. badger will visit the hen-roost at night and not have enough for a start. He will sometimes dig a hole in the bottom dress of the firm you mentioned on our pose pervading the room; the furniture of the coop and live there on the chick-

At the same time we are getting rid of these animals they are increasing in numbers and they seldom get any fewer. The beaver and buffalo are exceptions. They also bring the trapper and hunter some profit and help him to get a livelihood, which all human beings and animals must have.

But as far as cruelness and savage-

I have done a good deal of hunting, of horses by their teeth. The following fishing and trapping. It is cruel to old English rhyme will be useful: trap the way that some trap. Some that are careless and do not go to their To tell the age of any horse, traps often enough to take the animals Inspect the lower jaw of course; that are caught and get them out of The six front teeth the tale will tell,

ANOTHER TAXIDERMIST

Dear Editor:-Being an interested reader of the club I thought I would write a few lines. I notice by E. J. A.'s letter that he is interested in taxidermy I have taken this course also and find it very interesting. But I think if E. J. A. was to read Lesson 31, Book VIII. he would find it reads: A grotesque VIII. he would find it reads: A grotesque object and deserves a better (not "bit-who carried her years remarbably well ter") fate." A first-class course in this and that she was over fifty and had art can be obtained for the sum of grown-up sons and daughters was a twenty-five dollars

I think Arthur Wright would have better success skinning a bird if he grown old and tired. Life had proved was to make the cut from the end of the breast bone to the vent. Powdered

I will now close, hoping Arthur makes

TAXI.

(I could not put the name and adpage, or the advertising department was old-fashioned, but handsome, and would be after us, but I am keeping it the Turkey carpet looked warm and so that if any boy wants it he has only cosy, despite the fact that in places to drop me a postcard and I'll send the it showed unmistakable signs of wear; address to him. The error in E. J. A.'s for many feet had trodden it in days letter was not of his doing; it was the gone by when this room had been printer's mistake.—Ed.)

TO TELL A HORSE'S AGE

Dear Sir:-I see in the issue of May ness goes, I think it is an instinct in all 4th, one of your youthful correspondmankind to kill birds and trap animals. ents wishes to learn how to tell the age tary meal.

misery. I cannot see I am any more And every doubt and fear dispel



READY FOR THE RUN

they can be caught by fish-hooks with savage or cruel now than I was when Two middle nippers you behold they can be caught by fish-nooks with frog baits placed in water where ducks alight to feed. I have never got ducks any way but with a gun, which I think is the best and fairest way.

I think the horse is the most profitable animal on the farm. It can do not want to kill them. I don't think for a minute that we will get any more work, and if used right will do it cruel to our fellowmen. hate them, but because I want to Before eight weeks two more will come, their own, and never by word or deed ake their fur. It may be that the Eight months the corners cut the gum. had the brave little mother, who felt

we get too cruel and savage I hope the At three the second pair can't stop; officers of the law will put a stop to it. When four, the third pair goes; Now, boys, write up, and make this officers of the law will put a stop to it. I hope we will continue to correspond At five a new full set he shows. through your paper, and wishing the Club every success, I will close.

Alta. JOHN BURNS.

THE TRUE SPORT

Dear Editor: I am not very good on From middle nippers upper jaw and fish.

You say that some say that you are not to encourage hunting, fishing and ideas are any good. I was thinking Eleven finds the corners clear. He will be doing nothing but taking seen lots of fellows who get hold of a They longer, too, project before, the life of what our Great Creator put gun and go out and kill everything Till twenty, when we know no more upon the earth for us to use. Did not they see just because it is alive. Just Sask. Fred Stafford, P. M. our Saviour once catch fish to eat? to kill something is all they want, and it something worth while using it on, and to have his answer in rhyme. - Ed.) Why do the governments protect he will not leave his game to suffer a them go so far as to buy fish to put in a man must have common sense and

TWENTY-TWO. Alta.

(Correct spelling and grammar are wise, if they had lived, would kill the poultryman's fowls. Therefore it would somebody would write something about take all of his profit.

In two years from the second pair, In three years "corners" too are bare.

At two the middle nippers drop;

The deep black spots pass from view to make a wedding day successful, Molly had left her, too. The second pair at seven years; At eight the spot each corner clears.

(It is very kind of you to take an Then why not we follow His example? seems to me that is ignorant and cruel, interest in the boys and their young It also affords one much pleasure to The real hunter will save his skill for club and the enquirer will be delighted

IN LONDON TOWN

BY THOMAS JONES, JR. The road leads straight, the road leads

far,
To London town; And there the knights and ladies are And brave renown

-Everybody's Magazine.

Pass up and down, ider what they find so fair In London town.

After the Wedding

Mrs. Kirby sat in an easy chair with her hands idly folded on her lap. constant surprise to strangers. But to-day she seemed to have suddenly disappointing to her, and she was feel-ing depressed and wretched. The fire burned cheerily on the hearth and a well polished brass kettle stood in the fender.

On a little table at her elbow was a daintily arranged tea-tray.

There was an air of comfort and re-

Sanctuary for all the children.
She was thinking of them now as she waited for her husband's step outside

He had promised to come home and join her in what would else be a soli-

A tear slowly found its way down her cheek. This is what she dreaded. this loneliness, and a fierce rebellion rose in her heart against the men and women who had taken her children

First it had been Kathleen, her bright and bonny Kathleen, who had loved a soldier, and gone away to India with him. She was happy, certainly, and wrote home glowing accounts of her life as an officer's wife, but the mother had missed her sorely and had pined in secret for her first-born who had left her so blithely.

Fred had been the next to go.
She remembered how he had brought his little sweetheart to her with pride and love shining in his honest brown eyes, and she had tried to be kind and to love the little doll-like creature for her boy's sake, but the girl was so unsuitable. Mrs. Kirby shook her head sadly as she thought of them both. They were absurdy gone of one another, but how could any girl help

loving Fred — her handsome, clever son? And the mother sighed. Three more had left homestead one her heart was breaking, shown to the world what the wrench had cost her. And the day had arrived, the day that had loomed dark and threatening on the horizon, the day which she had dreaded ever since children had first

played about her knee. Molly, her darling, her baby, had

Yesterday with wedding bells and bridesmaids, and everything that helps

How sweet she had looked in her simple satin gown with the wreath of orange blossoms trailing on her shin-

Admiration for the bride had been heard on all sides, and the mother's heart, despite her agony at the parting, could not but feel proud and pleased at the praise which her darling's beauty called forth. She had even smiled when one of her friends, who had four daughters of uncertain age who were unmarried, came up and congratulated her on getting her family off her hands so quickly and well. The good lady would have been considerably sur-prised if she had known that Mrs. Kirby almost envied her—that what she considered a trial, her friend would

have welcomed as a blessing. In the excitement and bustle of the wedding the mother had contrived to put away from her that awful fear of loneliness which she dreaded so much. but now, the day after, it came to her with an overwhelming rush, and with Molly far away, the lonely mother sat and brooded over her sorrow.

She had been an exceptional mother. who had simply lived for her husband and children. They had been everyelbow was a

ndsome, and gns of wear:

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athleen, her tway to India py, certainly, ing accounts wife, but the rely and had born who had

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Isome, clever sighed. omestead one to homes of word or deed her, who felt hich she had Iren had first

er baby, had

ing that helps ay successful,

looked in her the wreath of on her shin-

ride had been at the parting. d and ple-sed arling's beauty even smiled , who had four age who were congratulated The good lady wn that Mrs. er-that what er friend would

I bustle of the d contrived to t awful fear of eaded so much. it came to her rush, and with lonely mother er sorrow.

ptional mother. or her husband thing to her, and their home life had been almost ideal. Yet they had left the home which she had spent her life to make comfortable and happy for them, and they had left her. She had not been sufficient for them, as they had been for her, and the thought was ness on her wind had been for her, and their home life had been for her home life had left filling God's words."

The tired old voice died away, and Mrs. Kirby looked up in alarm.

The old lady was leaning back in her chair with a smile of ineffable sweet.

May 25, 1910

Mrs. Kirby started up in surprise.
"Mother!" she cried, "Mother!"

with tears in spite of herself, and she

bowed her head She felt the frail, trembling fingers kissed her affectionately. caress it when she was a child, and

thinking about you and wondering. I been helped to

house, and felt my life was ended. played nervously with a button of his painting. Ah! the dear Lord was very good and coat; even as she had in the old court-

who had no one to lean on but her.

Mrs. Kirby did not move from her tency to spread. seat, her heart was too full, but her husband bent over to the old lady and

"Yes, mother, you have Ellen and caress it when she was a child, and somehow it didn't seem so very many of remorse for neglecting her so long years ago.

"I could not sleep last night," the trembling voice went on.

"I kept of remorse for neglecting her so long made him feel vaguely uncomfortable.

An hour later when the mother had

own," she went on wistfully.

"Oh! mother," cried Mrs. Kirby, looking up with the tears raining down her face. "Do not speak like this, I never meant to neglect you and leave you aime. I really loved you dearly. It was only that Fred and the children took up so much of my time, and I never seemed to realize that I had never seemed to realize that I had own," she went on wistfully. Oh! I am so the manufacturing lighting and the manufacturing Company, Ltd. Toronto, Montreal, Winnipeg or Vancouver.

Then mother came in, and although how terribly she must have felt when I left her all alone and came to you, for the manufacturing Zone the Far off in the Frigid Zone the Far off in the Far off in the Frigid Zone the Far off in ties."

left her all alone and came to you, for parties in the Frigid Zone, the Est of investigation we have decided to no, dearie," said the mother, she had no Darby to comfort her as I quimaux builds his house or Idloo from make a reduction of 20 per cent. from

Selected Recipes

than perfectly happy.

All her life she had kept her troubles to herself and had the satisfaction of knowing that many women envied her.

As the old lady came towards her,

As the old lady ca

Mrs. Kirby started up in surprise.

"Mother!" she cried, "Mother!"

The little old lady sank into a chair almost exhausted; her daughter knelt beside her.

"Mother!" she cried, "Mother!"

There was a step outside the door, and Mr. Kirby entered. He was a into one cup of granulated sugar, the grated rind and juice of one lemon, two with a kind, benevolent-looking face, and deep honest grey eyes. There was a very tender light in the old lady's eye, which were as bright His wife rose hurriedly to meet him.

There was a very tender light in the one-fourth a cup of melted butter. Turn into individual tins, lined with and keen as her daughter's. She noted the signs of agitation on Mrs. Kirby's face with a mother's eye, quickened by love.

This whe lose nathedry to meet than, and then rich pastry, and let bake in moderate oven about twenty minutes, or until firm in the center. Brush the top of the mixture with a little white of egg, "Are you pleased to see me?" she Why; it is years since you were last here!"
"Can you ask, mother? How did "Yes," said the old lady, brightly; to color the top delicately. Re-heat,

asked, somewhat wistfully.

"Can you ask, mother? How did you manage to get here?"

"I came in a taxicab all the way," said the old lady, brightly; if they become cold, before serving.

"I came in a taxicab all the way," so that I don't visit much, but I thought I'd like to see my Ellen again, and so I've given her a surprise visit."

"Well, you are a marvel," said here to color the top delicately. Re-neat, if they become cold, before serving.

"Welles to see my Ellen again, and so I've given her a surprise visit."

"Well, you are a marvel," said here to color the top delicately. Re-neat, if they become cold, before serving.

"Welles Ley Fudge Cake.

Two-thirds a cup of butter, one cup of sugar, one-quarter cup of chocolate, melted over hot water, two yolks of eggs, one cup of milk, two and one-half eggs, one cup of milk, two and one-half

TRADE NOTES

FREE SAMPLE OF AMATITE

thinking about you and wondering. I daresay you think it is silly, but you were my only child," she added apologetically, as if excusing herself for her weakness.

"Well, little mother," said Mr. Kirby, as he drew his wife close to him, and I had seen you and your husband drive off so happy and contented with one another, I crept back into the empty house and follows with a button of his pointing.

This new type of roofing came upon the market a few years ago and has found wide favor on account of its mineral surface, which needs no painting.

This new type of roofing came upon the market a few years ago and has found wide favor on account of its mineral surface, which needs no painting.

This new type of roofing came upon the market a few years ago and has found wide favor on account of its mineral surface, which needs no painting.

"Well, little mother," said Mr. Kirby, as he drew his wife close to him, and kissed her tenderly. "We are Darby and makes a kind of pitch-concrete surfaceable to withstand all sorts of weather year after year without any properly installed effectively protect."

"We believe that lightning rods properly installed effectively protect."

Next time you paint your roofs rekind to me then, for he gave me many ing days so long ago. She was naturally member that painted roofings are no friends, but even they are not like your reserved, and to talk about herself at longer the only kind you can buy. In property he should be entitled to a own," she went on wistfully.

Wext time you paint your roofs rea property owner has so protected his a property owner has so protected his a property he should be entitled to a reduction in rate. While there are

passing her thin, transparent hand over the daughter's scant grey hair. "You must not reproach yourself. You have done your duty to father and children. Does not our dear Lord say that a man shall leave father and mother and cleave to his wife? So also Globe.

she had no Darby to comfort her as I quimaux builds his house or Idloo from blocks of snow. When the short the regular fire and lightning rate where blocks of snow. When the short the regular fire and lightning rate where are not ungrateful, dear," Aretic summer arrives and the sun's buildings are rodded with Dodd & rays melt the roofs, the Esquimaux Struthers' rod and system, manufacturabandons his home. In the South their destiny, praise God,"—Christian mud huts with roofs and cane brake. This affords protection from the ingred their rods, that we give them

tenso heat of the tropic sun, but when the heavy rains set in it is frequently necessary to build several new roofs in a season. Among civilized people where permanent and substantial homes are established, it was necessary to get a roof for the home that would with-

The old lady was learning back in her hem, and they had been for her, and the thought was very bitter.

And the years of her life which she had sacrificed for them they dold ascertificed for them they dold them had sacrificed for them they dold was the ming back and a light down and healthy they left her. They were strong and they they only gave her part. She further the healthy they left her. They were strong and healthy they left her. They were strong and they be the them had adalyted the sacrification they had they

firm for further particulars.

CONFIDENCE RESTORED IN LIGHT-NING ROD PROTECTION

There is a genuine renewal of interest in the matter of protecting buildings from lightning. Lightning rods on houses and barns are becoming the rule instead of the exception. Confidence is being restored. People are rodding their buildings who wouldn't have thought of it a few years ago. Unquestionably this restoration of confidence in lightning rod protection is due to the fact that the men have made lightning a study for many years, and have perfected a complete system for the protection of buildings.

"Oh, mother, it was very risky," said Mrs. Kirky, shaking her head.

The old lady fumbled with her bonnet strings with trembling hands.
"I am a silly old woman," she said in a quivering voice. "You were always so practical, just like your poor father. I daresay you'll think I'm foolish, but I couldn't keep away. I was so afraid you might feel lonely without Molly, and I wanted to comfort you."

The trembling voice was very sweet and eager, and Mrs. Kirby's eyes filled with tears in spite of herself, and she as energetic as you when I'm your eggs, one cup of milk, two and one-half eggs, one cup of mi Prof. West Dodd has not only perand with what precision he does control lightning. They have been made to see with their own eyes that Dodd Lightning Rods are effective and they have been made to understand the reasons for it. Among those convinced were the fire insurance companies.

Some 2,000 mutual fire insurance companies have honored Prof. Dodd and This new type of roofing came upon system; many of them grant low rates

properly installed effectively protect buildings against lightning, and where

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pose. Their advertisements, to which generous ration of soft food, with green readers may well give careful atten- stuff, or raw potatoes cut up fine. tion, are now running in this paper. improvement should quickly follow, Look up the advertisement and write if the ailment is not due to brain affecto the firm for their "Lightning Book," tion, for which there is no cure. But giving all particulars.

BUYING WIRE FENCES

wire fences in the Canadian West, progressive fence firms are making an effort enormous business that is bound to develop within a very few years. E. L. Dyer, manager of the Crown Fence Supply Company, 47 Wellington Street, East Toronto, on another page of this issue has an attractive offer of gates in which he agrees that purchasers can send them back if they are not satisfactory. Prices quoted on guarsatisfactory. Prices quoted on guaranteed gates are worth considering. A fine wire gate adds greatly to the appearance of a place. Write this firm for catalog and prices.

GENERAL

Questions of general interest to farmers are answered through our columns without charge to bona-fide subscribers. Details must be clearly stated as briefly as possible, only one side of the paper being written on. Full name and address of the enquirer must accompany each query as an evidence of good faith but not necessarily for publication. When a reply is required by mail one dollar (\$1.00) must be enclosed.

WEEDS IN ALBERTA

plant is giving the farmers in some parts of the province a lot of trouble. Alberta.

Ans.—The plant you enclose is Vein towards flank, gave injections and ap-Dock (Rumex benosus). It is a per-plied hot fomentations to bowels. Nothing came through him, but he did of nothing better than thorough sum-mer-fallowing for this purpose, where of small intestine discolored and con-the plants are numerous. Where there are only a few scattered plants they was no hard substance. Castors on should be dug up bodily, taking care legs came off before he died. What Otherwise this tuber will start afresh M.W. and give trouble. This plant is not common in Manitoba, but possibly it flammation of the bowels). It is doubt-

is more plentiful in Alberta. M. A. C. S. A. S. A. Bedford.

MANURE ON GROWING CROP

wright, Man.

on a field of fall wheat. It apparently averted if these precautions are taken way or the other. If properly spread CONTAGIOUS ABORTION IN MARES imagine it would prove a benefit on give the best results. Manure spreadthan can be done with forks.

S. A. Bedford. M. A. C.

LIMBER-NECK

all of a sudden they sit down for about year? Is the stallion likely to spread a day and die, with no other apparent the disease?—R. B. symptom than to have their heads Ans.—This is contagious abortion,

neck, a peculiarly fatal disease. It is in possession of certain data. But the usually the result of intestinal irritacause is infection, possibly brought into tion and this irritation and this irritation. tion, and this irritation may be the re- the district by an animal previously insult of several causes. A frequent fected. If a stallion was used on an cause is acute indigestion, caused by in- infected mare, he would carry the disdiscretion in feeding. Sometimes a ease to healthy mares and they would ration will be continued, without varia- abort. Abortion in the mare usually tion, or the birds may have been eating takes place either at the fourth or the impure animal or vegetable food, which ninth month. It is impossible to deall tend to bring on the disease. The tect the affected mare prior to abortion, most effective and easily-administered as she does not show any symptoms of treatment is to give one or one and a half teaspoonfuls of oil of turpentine, mixed with equal terms of the same of perfect health, and yet be a note of perfect health. with equal parts of sweet oil. Half an serious danger to a whole district. By

this endorsement in the way of a re- hour afterwards give a tablespoonful to each fowl of the following mixture, duction in rate."

The Dodd System of lightning protection and control is operated by Dodd & Struthers, a company years ago organized in Des Moines, Iowa, for that purious divertisements to which give the treatment a trial

Realizing the increasing demand for Questions & Answers

BREEDING MARE WITH TORN PASSAGE

Would it be safe to put a mare to a horse if she was torn behind? She is a Clydesdale and I would like to get her in foal if it is safe to breed her .- P. H.

Ans.—It depends entirely upon the Questions & Answers extent of the tear. If it is only on the external genital organ, possibly no bad results would follow; but if the laceration is extensive, trouble may be ex-

to be weak in legs, but could walk after being helped up. He would hold nose against mare's teats but would not open mouth; would suck tongue. After I enclose herewith a plant having about ten hours fed him mare's milk, a very large jointed root stock. This which he drank greedily out of dish Next morning he appeared sick; gave him soda in milk and a little sweet oil. Will you kindly let me know the name He gradually got worse, heart palof it and the remedy?—W. G. W., patating fast and hard* appeared to be in a good deal of pain, turning nose Owing to its extensive root system it not bloat; died that night. On opening s very difficult to eradicate. I know him I found greater part of oil in stomto remove the tuber on each root end. treatment should have been given?-

ful if any treatment would have been successful in a colt so young. The cause was likely a congenital injection of the intestinal tract by virulent micro-Have you had any experience in organisms. Or the infection may have spreading well-rotted manure on a crop gained entrance to the abdominal of grain? I think of giving it a trial visera through the umbilicus (navel). if you think it is safe.—B. H., Cart- The umbilicus should always be well wright, Man.

disinfected with pure carbolic acid, or Ans.—About ten years ago I tried tincture of iodine, immediately the spreading well-rotted barnyard manure cord is broken. Much trouble may be

A large percentage of the mares in light land by acting as a mulch. About this district which were in foal the last ten loads to the acre would, I think, year, have slipped their foals from some unknown cause. Mares apparenting machines do much better work ly well one day, would lose their colts the next, and if one mare in a bunch lost her colt, the others invariably went too. Sometimes all the mares in a ranch lost their foals in a few days. My hens are dying they seem to be Kindly advise as to treatment of mares all right and appear healthy, and then Is it safe to breed mares again this

twisted down over their breasts.— and appears to be a very bad outbreak
J. S. A. of the disease. It is difficult to tell the Ans.—The symptoms point to limber- source of the outbreak without being

Counded 1866

tablespoonful ving mixture ely powdered into a half may be reours. Give a d, with green up fine. An ickly follow, o brain affec-10 cure. But

nswers

or so of a veterinary ar columns by a charge to bona-symptoms must by one side of the so of the writers a guarantee of for publication.

TH TORN

t a mare to a nd? She is a ke to get her d her.—P. H. ely upon the is only on the ssibly no bad if the laceramay be exbecome preg-

NTERITIS

iled; appeared uld walk after uld hold nose t would not ongue. After mare's milk, out of dish. ed sick; gave ttle sweet oil , heart palappeared to turning nose tions and ap to bowels m, but he did On opening greater part ored and con atter. There Castors on

f enteritis (in-It is doubtild have been young. The nital injection rirulent microion may have e abdominal ilicus (navel) ways be well rbolic acid, or nediately the ouble may be ons are taken.

e died. What

een given?-

IN MARES

the mares in n foal the last ir foals from ares apparent-ose their colts re in a bunch variably went mares in a a few days. nent of mares es again this tely to spread

ous abortion, bad outbreak cult to tell the without being ata. But the y brought into previously inis used on an carry the disd they would mare usually fourth or the possible to deor to abortion, symptoms of t the appearand yet be a e district. By

is worth

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way of prevention, if a newly acquired pregnant mare is kept by herself until parturition, and her uterus and vagina irrigated daily for a week with some mild disinfectant (after foaling), then delay having her served for a month may prevent the spread of the disease. The horse should be thoroughly disinfected after service. If these precau-tions were taken there would be very few outbreaks of contagious abortion in either mares or cows. The dead foetus, together with the membranes, should be destroyed by fire. pox in which the mare foaled should be thoroughly disinfected with a strong solution of carbolic acid, and the floor covered with air-slaked lime. The bedding must be burned, also the man-The external generative organ of the mare, together with the tail hips and thighs, must be washed twice daily with a three per cent. solution of either carbolic acid or creolin. The uterus should be irrigated once daily for a week with a one per cent. solution of the above disinfectant. Internal if you want fair treatment medication is useless in contagious aborton. The disease must be prevented and overcome by disinfection.

GOSSIP

McGREGOR'S IMPORTATION

Not satisfied with gathering in the lion's share of prizes at leading shows in the West from his present holdings J. D. McGregor has made an importation from Scotland that contains a few specimens that are said to be select individuals from choice breeding Violet 3rd of Congash is said to be the best of the breed since Waterside Ma-tilda. A heifer, Our Pretty Rose, a two-year-old heifer, is branded as the best of the age; while a yearling, Edith Rose, is placed in the same class. Other five are animals of merit. George Sinclair, manager of Lord Rosebery farm, did the purchasing. Three of the heifers are from the Dalmeny herd. With this addition to an allike hungry wolves at all seasons if you use FISH LURE. It keeps you busy pulling them out. Write tohonors at next fall's Chicago Interna-

MINNESOTA STATE FAIR

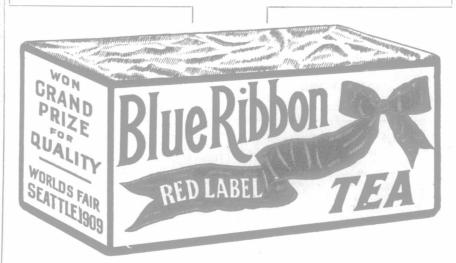
The management of the Minnesota State Fair give special boosting in the form of *The State Fair News*. Due prominence is given to attractions and educational features. Live stock departments promise to be stronger than ever. The Navassar Ladies' Band, last year at Winnipeg, will provide music, and Wright Bros. are billed to give an exhibition of flying in an aeroplane. A Curtiss aeroplane also will give daily demonstrations. The dates

FARMERS' CO-OPERATIVE SOCIE-TIES IN SOUTH AFRICA

Co-operative societies to the number of 28 registered in the Transvaal in 1908 for the purpose of disposing the agricultural produce of their memsound stock-getter. Winner first, Win-nipeg and Brandon, 4th Calgary, 1910. the agricultural produce, iority deal in agricultural produce, such as maize, wool, fruit, cattle, sheep, etc. Two are creameries, two confine their operations to fruit, one purposes to deal with tobacco, and angreat quality and action, is sure, sound central agency has been established in Johannesburg to dispose of the produce of societies generally.

A co-operative agricultural society may be organized under the act for all or any of the following objects: (a) Disposing of the agricultural produce and Three of live stock of any of its members in the Perfection, rising 10 years. Three of live stock of any of its manner most profitable to the association and the second manner most profitable to the association; or, (b) manufacturing or treating the second manner most profitable to the association; or, (b) manufacturing or treating the second manner most profitable to the association; or, (b) manufacturing or treating the second manner most profitable to the association and the second manner most profitable to the association and the second manner most profitable to the association and the second manner most profitable to the association and the second manner most profitable to the association and the second manner most profitable to the association and the second manner most profitable to the association and the second manner most profitable to the association and the second manner most profitable to the association and the second manner most profitable to the association and the second manner most profitable to the association and the second manner most profitable to the association and the second manner most profitable to the association and the second manner most profitable to the association and the second manner most profitable to the association and the second manner most profitable to the second manner manner manner most profitable to the second manner lst, 2nd and 3rd for best foal of any light stallion. In 1910 his get again took first in Coloran discount the agricultural produce of its members and of disposing. duce of its members and of disposing, championship. This horse is very sure, stands 16.3 hands high with great with the manner most profitable to the society, of the produce so manufactured or partly manufactured; or, (c) initiating schemes of irrigation or several prizes in harness and saddle in the manner most profitable to the ing existing irrigation and water boring schemes; or, (d) purchasing, hiring, or otherwise acquiring and working on behalf of its members, agricultural implements or machinery; or, (e) purchasing, hiring, or otherwise ac-

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and if you don't find it satisfactory your money will be promptly refunded by your grocer.

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Of course it is too early yet to give entire sway to our optimistic hopes for an enormous wheat yield this year; but it is not too early to estimate what twine you are going to need, basing calculations on last year's yield and your extra acreage this year.

Placing your orders now entails no responsibility, and ensures your safety.

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GOLDEN MANILLA 550 feet to the lb.	\$8.59	\$8.70	\$8.92	\$9.02	\$9.23	\$9.23
EATON STANDARD 500 feet to the lb.	\$8.09	\$8.20	\$8.42	\$8.52	\$8.73	\$8.73

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The confidence a man holds in the goods he wants to sell is expressed in the extent to which he is prepared to be their guarantee. The Eaton guarantee is the fullest that can be given. We replace free of all cost to you any article with which you are dissatisfied, with one which will please you, or refund your money in full, reimbursing you for any charges you

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Size	Wi	thou	it extra me	With Fra	
Sulky Gang Triple		\$14 \$15 \$16	.00	\$17 \$18 \$19	
Write	for Circular	Α.	Satisfaction	Guaran	teed

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quiring, and using and controlling on behalf of its members, breeding stock; or, (f) purchasing or otherwise acquiring on behalf of and supplying to its members agricultural implements and machinery, stock, feeding stuffs, seeds, fruit trees, manure, and other farming requisites; or, (g) commencing, acquir ing and carrying on supply stores under a co-operative system for disposing of and supplying agricultural produce; or (h) commencing and carrying on insurance societies for its members under a co-operative system; or, (i) acquiring distributing information as to the best manner of carrying on farming operations profitably; or, (j) acquiring by lease, purchase, or donations, and holding, and immovable property in the colony for the better carrying on of any of the objects of the society or, (k) raising money on loan for any of the lawful objects of the association or, (l) any other lawful object which the minister may from time to time permit for furthering the interests and development of agriculture in the

Financial assistance is afforded by the government in the form of loans from the land and agricultural bank for any one or more of the objects in respect of which that society, has regulations registered under the Co-operative Agricultural Societies Act, 1908, or any amendment thereof. A cooperative society may also obtain a loan from the bank for any one or more of the objects aforesaid, upon the security of the joint and several liability of the members of the society, and o such additional security as the board may acquire. A loan made upon this security shall bear interest at the rate of five per cent. per annum, payable periodically on such dates as the board may prescribe. It shall be repayable with any interest due thereon within five years, unless the board for good reasons extends the period. No such loan exceeding £5,000 shall be made

of every society that all its members dianford Orange Hall, 2 p. m., June shall be jointly and severally liable 15; Treherne, Matchitville School, 7.30, for payment of the obligations of the June 15. association, provided that the liability of the estate of any person who has died, or any person who has resigned his membership, or has been expelled from the society shall cease, in respect

MEETINGS IN MANITOBA

Forty-six agricultural extension meetings have been arranged to be held in Manitoba during June. Following is a list of speakers and subjects and places and dates of meetings

of Crystal City, on "Soil Cultivation" Deloraine, 2.30 p. m., June 2; Deloraine, 8.00, June 2; Boissevain, 2 p. m., it desirable that two or three car load

Circuit 2.—Prof. F. G. Churchill, from the East and sold by auction in Agricultural College, on "Alkali, Its cause and Control," and Prof. L. J. Smith, ber of important points in Saskatcheagricultural college, on "Use of Concrete for Building": Cartwright, 2.30 an enterprise it is desirable that the June 6; Mather, 8.30, June 6; Pilot farmers who are in the market for Mound, 2 p. m., June 7; Marringhurst, breeding stock should express an opin-School, 8, p. m., June 7; Marringhurst, breeding stock should express an opin-school, 8, p. m., June 7; Marringhurst, breeding stock should express an opin-school, 8, p. m., June 7; Marringhurst, breeding stock should express an opin-school, 8, p. m., June 7; Marringhurst, breeding stock should express an opin-school, 8, p. m., June 7; Marringhurst, breeding stock should express an opin-school, 8, p. m., June 7; Marringhurst, breeding stock should express an opin-school of the production of the p Circuit 2.-Prof. F. G. Churchill,

Birtle, 2 p. m., June 7; Strathclaire, 8 those in the province that have them p. m., June 8; Minnedosa, at A. Grant's for sale. The association does not farm, 3 p. m., June 9; Minnedosa, C. wish to take any step that will preju-Meadow's farm, 3 p. m., June 10; dice the interests of sheep breeders. Bethany, 3 p. m., June 10.

The secretary of the Sheep Breeders Bethany, 3 p. m., June 10.

of any of its obligations incurred after and G. A. Todd, of Hillview, at Oak his decease or after he has ceased to be Lake, 3 p. m., June 3; J. C. Noble, of a member and, in all respects, as soon as the financial statements of the asso-district, 7.30 p. m., June 7, 2 p. m., ciation, signed by its auditor, discloses June 8; at Morden, 3 p. m., June 10; a credit balance in favor of the company.

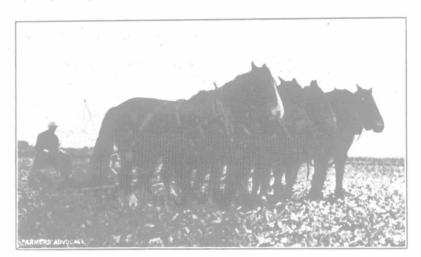
Buttlet, 130 p. m., June 10; assistant agricultural engineer at Agricultur cultural College, at Sanford, 2, 30 p. m., June 14; Jas. Murray, Brandon, at Vir-den, June 17; Prof. Bedford, at Hartney, June 22.

WILL IMPORT SHEEP

The Saskatchewan Sheep Breeders Circuit 1.—Prof. C. H. Lee, of the Association decided at their annual meet-Agricultural College, on "Identification and Control of Weeds" and J. B. Ring, the control of Weeds and J. B. Ring, the sheep for breeding purposes and the unprecedented demand for them makes of pure-bred sheep should be imported from the East and sold by auction in School, 8. p. m., June 7; Manitou, 2 ion as to their requirements, the breeds p. m., June 8; Manitou, 8, June 8. they favor, and whether or not they School, S. p. m., June 7; Manitou, 2 ion as to their requirements, the breeds p. m., June 8; Manitou, 8, June 8.

Circuit 3.—A. Rigby, farm foreman would be prepared to endorse this acManitoba Agricultural College, on "Breeding Care and Feeding Live Stock," and W. R. Clubb, of Morris, on persons desirous of purchasing sheep "Growing of Cereal and Fodder Crops": for breeding purposes as well as from Rightle 2 by M. Live 7. Strethelding 2 to their requirements, the breeding between the breeding and whether or not they would be prepared to endorse this action as to their requirements, the breeding the breeding and whether or not they would be prepared to endorse this action by the Sheep Breeders' Association.

Correspondence has been invited from personned the purchasing sheep as the proposed as well as from the prepared to endorse the proposed as the proposed as



ENOUGH HORSES FOR A THREE DISK PLOW ON THE FARM OF H. T. S. SMITH

Circuit 4.—Jas. Murray, superin- Association, F. Hedley Auld, Regina, tendent Experimental Farm, Brandon, will be glad to hear from Saskatchewan on "Growing Meadow and Fodder farmers in regard to this question. Incrops," and J. A. McGreggor, Manitou, terested persons would do well to write on "Soil Cultivation": Arrow River, today and tell the secretary what they 2 p. m., June 6; Hamiota, in town, 2 p. m., June 7; Hamiota (Scotia School), 8 p. m., June 7; Harding, At Saskatoon's summer fair this afternoon June 8; Oak River, 3 p. m., year, August 9, 10, 11 and 12, \$20,000 June 9; Rapid City, 2 p. m., June 10, are offered in prizes and attractions. loan exceeding £5,000 shall be made without the approval of the governor.

The co-operative associations of farmers in the Transvaal are duly registered as unlimited liability societies. It is, however, a condition of prophersion of the biggest fairs in the transvaal are duly registered as unlimited liability societies. It is, leave and Control": Glen-boyever, a condition of prophersion of the biggest fairs in the West.

Circuit 6.—J. C. Noble, of Brandon, on "Stock Judging Demonstration," and W. W. Thomson, Agricultural College, on "Alkali, Its Cause and Control"

on "Demonstration in Judging Stock":
Roland, 2 p. m., June 10: Macgregor,
2 p. m., June 14; Meadow Lea, 2 p. m.,
June 15: Woodlands, 2 p. m., June 16.
Circuit 8.—Prof. F. G. Churchill, Agricultural College, "Alkali, Its Cause and Control," and R. A. Storey, of Franklin, on "Soil Cultivation": Plumas, 2 p. m., June 15; Kelwood, 2 p. m., June 16; Kelwood, 8 p. m., June 16

Circuit 4.--Jas. Murray, superin- Association, F. Hedley Auld, Regina,

HOW FARMERS CAN PRACTICE CONSERVATION

Canada, being a nation of farmers, has to pay a very large seed bill each year. Last year our crops called for 33,000,000 bushels of seed grain-wheat oats and barley and we are constantly increasing our agricultural acreage. This being so, the economy of sowing good clean seed is at once apparent The advantages to be derived from it are like the proceeds of a sum of money ago a competition was carried on in some 450 places in Canada to see just what the actual results of using clean pure seed would be. If we reason from the results obtained from it, we would have been increased by 190,000, Circuit 9.- Prof. W. H. Peters, Agri- 000 bushels had clean, vigorous seed Circuit 9.- Prof. W. H. Peters, Agricultural College, on "Breeding, Care and Management of Stock," and A. Campbell, of Hanlan, on "Soil Cultivation": Morris, 2 p. m., June 11: Emerson, four meetings under the an pices of this society, June 15 and 16. Meetings not in circuits will be held that it would pay our farmers to be par-follows: Jas Murray, Brandon, ticular about the kind of seed they sow.



A flavor used the same as lemon or vanilla. By dissolving granulated sugar in water and adding Mapleine, a delicious syrup is

made and a syrup better than maple. Mapleine is sold by grocers. If not send 50c. for 2 oz. bottle and recipe book. Crescent Mfg. Co., Seattle, Wn.

COURSE AT SASKATOON

The calendar of the University of Saskatchewan at Saskatoon for 1910-1911 recently sent out, clearly outlines the courses offered at that institution. The college of agriculture has the following staff: Dean and professor of animal husbandry, W. J. Rutherford, B.S.A.; professor of field husbandry, John Bracken, B.S.A.; professor of agricultural engineering, A. R. Greig, B.A.Sc.; secretary and assistant pro-fessor of natural history, T. N. Willing director of extension work, F. Hedley Auld. A professor of agricultural chemistry is to be appointed

It is the intention to have arrangements made for a three-year course to open next fall. This course will be adapted to the young man who purposes making farming his life work. As soon as the demand warrants it, a course leading to the B.S.A. degree will be established. Successful competition of the three-year course brings a certificate in agriculture. Short courses of two or three weeks' duration, will be given from time to time. These courses will include one in winter for general farmers who cannot remain long away from home; one in July for threshermen; one in winter for creamery workers; one for weed inspectors; one for extension workers and fair judges, and, in connection with the course for farmers, one for women in which subjects pertaining to woman's work in the home, on the farm and in the community will be dealt with.

Referring to the college of agriculture,

the calendar says:
The college of agriculture is an integral part of the university; it stands in the same relation to the university as does the college of arts and science. It will have almost a complete outfit of buildings planned and equipped for carrying on its particular work. It will also have a staff of its own for the purpose of giving instruction espec-cially in the technical subjects and elementary work in English, mathematics and the sciences. Its laboratories and equipment will, under certain limitations and restrictions, be available to students in the other colleges of the university for the purposes of scientific research.

The aim of the college will be at all times to give the students under its care a good practical training in the different technical subjects applied to the various phases of agriculture,



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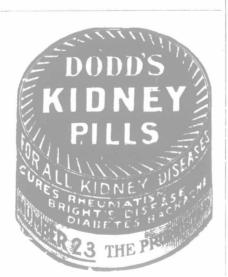
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sed the same as anilla. By disanulated sugar d adding Mapleicious syrup is a syrup better Mapleineis cers. If not send oz. bottle and Crescent

Seattle, Wn.

ATOON University of on for 1910clearly outthat instituulture has the ind professor Rutherford. 1 husbandry professor of A. R. Greig, assistant pro-Γ. N. Willing; k, F. Hedley cultural chem-

have arrangeyear course to ourse will be who purposes ork. As soon ; it, a course egree will be competition of igs a certificate irses of two or 1 be given from ourses will ineneral farmers g away from eshermen; one workers: one for extension and, in conor farmers, one ojects pertainthe home, on

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foot or hand-e of strong white won't crack or ckery—and will

ot handle them D. . Hamilten Opf. such as animal husbandry, field hus- conventions during the winter

May 25, 1910

science; to test old methods and devise casses may be brought there from the new ones for putting agriculture on a saughter house for demonstration.

sane, safe basis. Regular courses of instruction and laboratory practice each for horses, cattle, sheep and swine, will be provided for students enrolled with suitable and adequate provision including poultry, dairying, meat curfarm in Saskatchewan.
ing, horticulture and other matters

LIVE STOCK AND MA pertaining to agriculture; and will carry practical and helpful information into the most remote parts, and thus bring the people of these districts into close relation with the work that is being promoted and carried on by the university. Summer and fall fairs stall the stall of the stall the stall of the stall college.

The university estate consists of the by these various types of animals. campus, about 293 acres, and the college farm, 1,040 acres. The college college is to foster the sheep industry farm proper consists of 880 acres, in this province, and to this end there make for a permanent system of agri- demonstration work. culture on the prairies. Another quarter-section lying close to the campus mens of Yorkshires, Tamworths, and will be devoted to demonstration and possibly other breeds suited to western investigation work in field husbandry, conditions. plant breeding, methods of tillage, etc. In order to promote the poultry point. A portion of this quarter-sec- Orpingtons, Rhode Island Reds, Leg tion which lies close to the barns, will horns and turkeys. be used for pasture purposes. On the southeast portion of the campus a plot of ground comprising about fifty acres to-date machinery. The size of the will be used for the farm building, in-cluding the indicate a size of the southeast portion of the campus and at the campus time.

laboratories for animal husbandry, veterinary science, field husbandry, horticulture and tree-planting, testing and curing. An auditorium with seating capacity for about six hundred is being provided. There will also be a sea to be a work in connection with field hus-

gine construction; the second floor as follows:
to wood-work, carpentry, pumps and farm-barn equipment; the third floor will be levoted entirely to farm implements, or 714,000 acres (2.5 per cent.)
ments.

be two In these rooms, which will acres.

The average condition of winter wheat of seating about five hundred, has been made for holding hort courses and live stock.

The average condition of winter wheat on May 1 was 82.1, compared with 80.8 on April 1, 83.5 on May 1, 1909,

bandry, farm mechanics, farm engineer-ing, dairying, horticulture, tree plant-ing, dairying the winter season. This part of the pavilion is being pro-ing, dairying the winter season. ing and others; to give them a good all demonstrating the action of horses inround education in various other doors. This building will be lighted branches, such as will enable them to adapt themselves readily, without great loss of time and energy, to new and as light is concerned. In another porvaried conditions, and at the same tion of the building facilities will be protime fit them for their duties as citizens, vided for slaughtering, cooling, cold The college will carry on its work storage, cutting and curing rooms and along three lines—investigation, teach-smoke house, so that students may ing, extension work. It will endeavor receive demonstrations in the meat by means of its staff, laboratories and producing capacities of the different equipment of various kinds, such animals. Tracks will be hung from as lands, crops, animals and machinery, the slaughter house into the arena in the to make its contribution to agricultural judging pavilion proper, so that car-

in the university. The college, through for yards, paddocks, sheds and housing its extension department, will compile for one hundred and fifty head of poul useful practical information; will sum-marize in simple form the results of in-buildings suitable in structure, equip-vestigation in soils, crops, live stock, ment and lay-out, for any well-appointed

LIVE STOCK AND MACHINERY

disseminate this in the form of bulle-tins through such organizations as chased. In horses it is not intended Good specimens of purebred horses, agricultural societies, farmers' clubs, to maintain at first a large number women's clubs, grain growers associatof breeding animals, but to have good tions, live stock associations, boards of specimens of the leading draft breeds, trade and schools. It will endeavor, as well as typical animals of the differby means of well informed speakers, ent classes, such as roadsters, carriage with illustrated lectures and charts, to and saddle horses, and ponies, with the

university. Summer and fall fairs, stal- have a well equipped dairy stable, with lion shows and judging demonstra-tions, good farming and standing grain field competitions, winter poultry and field competitions, winter poultry and seed grain fairs, plowing matches and purpose or the western farmer's type. demonstrations at fairs and on farms A number of steers of the various are a few of the various activities which market classes and grades will be kept, will be undertaken and looked after fed and slaughtered at the college, in by the extension department of the order that the students may study not only the methods of production, but also the quality of the meat produced

Its soil is a clay loam with clay sub- will be maintained representative flocks soil. Here and there patches of heavy of the more important mutton breeds, hummocky clay appear. The main especially Shropshire, Oxfords, Hampfarm will be devoted to diversified shires and Leicesters, all of which are farming; quite a large acreage of wheat suited to this country. A number will be raised each year. A rotation of of range-bred wethers will be kept to be crops will be planned such as will tend used in the live stock class-room to maintain the fertility of the soil and and afterwards slaughtered for carcass

This quarter-section is virgin prairie industry there will be maintained and on this account will be very val-representative flocks of the different uable from an investigation stand- utility fowls such as Rocks, Wyandottes,

harns tion engine, and at the same time The part not occupied by the buildings provide sufficient work for a large will be laid off in yards, paddocks, lanes and small pasture fields.

The part not occupied by the buildings provide sufficient work for a large number of hores. The buildings, too, will be equipped with the most modern to the part of the part The college building at first will be used by the college of arts and science as well as the college of agriculture. Provision is being made in it for offices for members of the staff, class rooms and laboratories for animal buckandary wet laboratories for animal buckandary wet.

CROP CONDITIONS MAY 1

The Crop Reporting Board of the bandry.

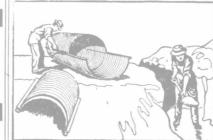
In the agricultural engineering building the lower floor will be given over to blacksmithing, cement work and engine construction; the ground floor as follows:

more than the area harvested in 1909, live stock pavilion there will and 4,439,000 acres (13.3 per cent.) les

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C. McG. SANDERS, Fortier, Man., breeder of Yorkshire hogs and Pekin ducks. Young stock for sale. Eggs, \$1.50 per setting.

GASOLINE ENGINES—1½ horse power \$65.00 complete. 2½, 4½, 6, 8, 12 horse power, at proportionate prices. Pumping and Sawing outfits. Get our catalogue. Bates Motors, Petrolea, Ont.

EXCHANGE OR SALE—Good second-hand traction, steam threshing and plowing outfit, near Winnipeg. Want land or registered cattle or draft mares and a stallion. Address Box 14, Lake Wilson, Murray County, Minnesota.

FOR SALE—Twenty head choice Berkshire pigs, age three to five months. Will be sold close. All registered as sold. Satisfaction guaranteed. W N. Crowell, Napinka, Mar.

WANTED—Nation's Custard Powder, now sold by all grocers; 5-cent packets, ½ lb. and 1 lb. patent measure tins, wholesale. W. H. Escott, Winnipeg.

WESTERN RYE GRASS SEED for sale at 8 cents per lb in bran sacks, f. o. b. Virden. W. Dillon, Box 657, Virden.

Lost, Strayed or Impounded

This department is for the benefit of paid-up subscribers to the FARMER'S ADVOCATE, each of whom is entitled to one free insertion of a notice not exceeding five lines. Over this two cents per word

LOST 4 WEEKS AGO brown mare, 9 years old hind feet white; also black mare, eight years old. Both had halters on; branded I. K. Good reward. Joseph Zacharias, Wilkie Bay Good reward. P. O., Sask.

POULTRY AND EGGS

BATES—Two cents per word each insertion; cash with order. No advertisement taken less than fifty cents.

REDUCTION ON ROSE-COMB RHODE ISLAND RED EGGS, \$1.50 and \$2.00 quality, new \$1.25 per fifteen, \$2.00 per thirty. Exhibition pen, \$3.00. 100 egg lots, \$5.00. Henry H. Pearson, Stonewall, Man

Show on six entries, five firsts, one second and all specials offered. Birds and eggs for sale.

Correspondence solicited. W. J. Currie, Lauder.

8. C. BLACK MINORCA EGGS \$1.50 per 11, \$300 per 300-Also Collie Pups&Yorksh for sale. R. D. Laing, Stonewall, Man.

PUREBRED BUFF AND COLUMBIAN WYANDOTTES, Brown Leghorn and Buff Cochin eggs; equal to most three dollar eggs. Fifteen, \$150; thirty, \$2.50. Jas. E. Sinclair, Stonewall, Man.

setting eggs—Buff Cochins, scoring 95 points; bouncers, imported from prize stock, \$3.00 for thirteen; B. P. Rock, massive, \$2.00 for thirteen. C. Taylor, Dominion City, Man.

R. P. EDWARDS-South Salt Springs, B. (Now is your time to buy Cockerels for next spring. Buff Rocks, Rhode Island Reds, Black Minorcas, Blue Andalusians, Speckled Hamburgs; also a few early pullets.

ROSE-COMB RHODE ISLAND REDS-Splendid layers. Eggs, \$1.50 and \$2.00 per 15; \$7.00 per 100. Exhibition pen, \$3.00. Quick shipment, Good hatch guaranteed. Circular free. Henry H. Pearson, Stonewall,

EGGS FOR SALE—Purebred R. C. Rhode Island Reds, \$2.00 per setting of fifteen. Also Hawkins' prize strain of White Wyandottes. From pen No. 1, \$1.50 per setting of fifteen; pen No. 2, \$1.00 per setting, Only tested eggs sold. Rev. W. Bell, Abernethy, Sask.

Goodeve, Stonewall, Man.

BARRED ROCKS—Bred to lay, \$1.50 and \$2.00 for 15 eggs. Mrs. Montague Vialoux, \$2.00 for 15 eggs. Mrs. Montague Vialoux Littlecote Poultry Yards, Sturgeon Creek, Man.

DIRECTORY

BREEDERS'

D. SMITH, Gladstone, Man., Shires, Jerseys and Shorthorns, Yorkshire hogs and Pekin ducks.

GUS WIGHT, Evergreen Stock Farm, Napinka, Man. Clydesdales, Shorthorns and Berks. Write for prices.

W. J. TREGILLUS, Calgary, Alta., breeder and importer of Holstein-Friesian cattle.

McKIRDY BROS., Mount Pleasant Stock Farm Napinka, Man., breeders and importers Clydesdales and Shorthorns. Stock for sale

D. P. WOODRUFF, Caldwell, Alta., breeder of Kentucky Saddlers; young registered stallions of best breeding for sale.

H. C. GRAHAM, Lea Park, Alta., Shorthorn's Scotch Collies and Yorkshires for sale.

C. BULSTRODE, Mount Farm, South Qu'Ap-Sask. Breeder of Berkshire Swine.

Breeders' name, post office address and class of stock kept will be inserted under this heading at \$4.90 per line per year. Terms cash, strictly in advance. No card to be less than two lines.

D. SMITH. Gladstone, Man., Shires, Jerseys and Hartney, Man.

HEREFORDS—Pioneer prize herd of the West. Good for both milk and beef.

SHET-LAND PONIES, pony vehicles, harness saddles. J. E. Marples, Poplar Park Farm, Hartney, Man.

BROWN BROS., Ellisboro, Sask., breeders of Polled-Angus cattle. Stock for sale.

J. MORRISON BRUCE—Tighnduin Stock Farm, Lashburn, Sask., breeder of Clydesdales and milking Shorthorns.

WALTER JAMES & SONS, ROSSER, MAN. Young Yorkshire and Berkshire boars and sows ready for shipment about first week in June. Price \$10.00 each, including registered

K. McIVER, VIRDEN, MAN.—Shorthorns, a few two and three-year-old heifers for sale at a little over beef price. Three-year-olds in calf or calved. Write for particulars.

H. W. BEVAN Duncans, Vancouver Island, B. C., breeds the best strains of registered Jerseys. Young stock for sale.

years on May 1.

The average condition of rye on May 1 was 91.3, compared with 92.3 on April 1, 88.1 on May 1, 1909, and 89.4, the average for the past ten years on May 1.

The average condition of meadow (hay) lands on May 1 was 89.8, compared with 84.5 on May 1, 1909, and a ten-year average on May 1 of 89.5.

The average condition of pastures on May 1 was 89.3, compared with 80.1 on May 1, 1909, and a ten-year average on May 1 of 87.6.

Of spring plowing 80.3 per cent. was

completed up to May 1, compared with containing 112.142 lbs. of butter-fat; 51.9 per cent. and 54.7 per cent. on May and in sixty consecutive days, 5,473.7 1, 1909 and 1908 respectively.

REALIZING WHAT'S WHAT

The United States are waking up to the fact that Canada is fully competent to conserve her natural resurces for the use of her own people. Time was when popular opinion in the United States tended to regard Jack Canuck as a hewer of wood and a drawer of water for Uncle Sam. But certain expressions of opinion of a contrary sort that are now continually cropping up in the American press show that this attitude towards Canada is fast giving way. Here is a sample from the editorial columns of the American Forest Review

"Canada is measuring her timber resources and preparing to protect them over 100 lbs. of milk per day. In dis-by progressive and drastic measures placing Colantha 4th's Johanna and against exploitation for the benefit taking her place as holder of the 30-day of wasteful foreign countries, including record, Blanche Lyons Hengerveld her next door neighbor. We cannot gains very high honor. look to the north for our salvation.

M. H. GARDNER, look to the north for our salvation. We must husband all our remaining resources and plant trees wherever they can be grown more profitably than other crops, in order that our own future may be assured. This is the only way. Canada has not the resources for her own needs and ours too, and she is sufficiently wide awake and intelligent to guard her own. The only way that our timber resources and Canada's can be made inexhaustible is by the application of the highest scientific knowledge and the broadest common sense.

RECENT HOLSTEIN RECORDS

During the period from April 20th must wake up if she intends to mainto April 29th, 1910, records for 167 tain her old position of pre-eminence fourteen days, eleven to thirty days experiences which we have had during and one to sixty days. The averages our tour could fail to be struck with

by ages or classes were as follows: Sixty-one full aged cows averaged fat, 3.40; fat, 10.895 lbs.

The herd of 167 animals, of which longed cheers.) two-fifths were heifers with first or secutive days 67,622.5 lbs. of milk conquarts of milk per day, and over 16½ dairy industry.

and 86.7, the average for the past ten | lbs. of the best commercial butter per week. Considering that the herd ported is older, the averages do not quite equal those given in the last issue of these reports; yet the averages are very large, and no other breed has ever been able to show such results.

In this issue of the official reports, I have the pleasure of announcing the greatest of the short-time records since Colantha 4th's Johanna made her sensational run—a record of the sort that has given the breed the commanding position that it now holds, and such as all owners of Holstein-Friesians may well look upon with pride. Blanche completed up to May 1, compared with 64.1 per cent. on May 1, 1909, and a ten-year average on May 1 of 66.

Well look upon with pride. Blanche Lyons Netherland produced in seven consecutive days 746.7 lbs. of milk containing 27.489 lbs. of butter-fat; in thirty Of spring planting 65 per cent. was consecutive days, 3,084.1 lbs. of milk lbs. of milk containing 206.569 lbs. of butter-fat. Her average per day was almost 107 lbs. of milk for the sevenday period, and almost 103 lbs. for the thirty-day period; while it was over 91 lbs. per day for the sixty-day period.

The attention of critics is specially called to this test; and they will note that the seven-day period began 34 days after freshening, while the thirty-day period began 19 days after. They will also note that these great quantities of milk showed no abnormal per cents. of fat, but just plain, normal Holstein-Friesian averages of 3.68 per cent., 3.64 per cent., and 3.77 per cent. fat. Note the uniformity, and that another Holstein-Friesian cow has produced much over 100 lbs. of butter-fat in 30 consecutive days, while averaging

Superintendent

KING GEORGE ON EMIGRATION

On his return from a tour of the Empire the present King, George V. at the Guild Hall, on December 5, 1901 expressed his sentiments as follows:

To the distinguished representatives of the commercial interests of the Empire, whom I have the pleasure of seeing here today, I venture to allude to the impression which seemed generally to prevail among their brethren across the seas that the old country cows have been accepted for entry in in her colonial trade against foreign the Holstein-Friesian Advanced Regis- competitors. (Hear, hear.) No one ter; four of which were extended to who had the privilege of enjoying the one all-prevailing and pressing demand —the want of population. Even in the age, 6 years, 11 months, 4 days; days oldest of our colonies there were from calving, 24; milk, 458.1 lbs.; per abundant signs of this need. Boundales tracts of country yet unexplored, trees, senior four-year-olds averaged and described to the se senior four-year-olds averaged : age, 4 hidden mineral wealth calling for deyears, 9 months, 29 days; days from calving, 39; milk, 422.3 lbs.; per cent. ready to yield profitable crops to the fat, 3.49; fat, 14.738 lbs. Nineteen settlers; and these can be enjoyed until the control of the con PUREBRED S. C. BUFF ORPINGTON eggs \$1.50 for 13: also Bronze turkeys eggs \$1.50 for 12. Mrs. W. H. Read, Nanton, Alta

Rev. w. ben, Abernethy, Sask.

Rev. w. ben, Abernethy, Sask.

Rev. w. ben, Abernethy, Sask.

Fat, 3.49; fat, 14.738 lbs. Nineteen settlers; and these can be enjoyed unstrain in Western Canada. Eggs, \$2.00 for junior four-year-olds averaged: age 4 der conditions of healthy living, liberal strain in Western Canada. Eggs, \$2.00 for junior four-year-olds averaged: age 4 der conditions, in exchange for years 2 months. 26 days; days from laws, free institutions, in exchange for years 2 months. calving, 22; milk, 424 lbs.; per cent. the overcrowded cities and the almost fat, 3.53; fat, 14.966 lbs. Thirteen hopeless struggle for existence which, senior three-year-olds averaged age, alas, too often is the lot of many in the 3 years, 9 months, 13 days; days from old country. (Hear, hear.) But one calving, 19; milk, 383.3 lbs.; per cent. condition, and one only, is made by our fat, 3.41; fat, 13.052 lbs. Twenty colonial brethren, and that is: "Send junior three-year-olds averaged age, 3 us suitable emigrants." (Hear, hear.) years, 2 months, 25 days; days from I would go further, and appeal to my calving, 17; milk, 393.9 lbs.; per cent. fellow-countrymen at home to prove fat, 3.62; fat, 14.276 lbs. Thirteen the strength of the attachment of the senior two-year-olds averaged and a senior two-year-olds a senior two-year-olds averaged : age, 2 motherland to her children by sending years, 10 months, 5 days; days from calving, 20; milk, 354.9 lbs.; per cent. fat, 3.61; fat, 12.823 lbs. Thirty-one inner two-year-olds averaged area. junior two-year-olds averaged : age, 2 that pride of race, that unity of sentiyears, 1 month, 20 days; days from ment and purpose, that feeling of calving, 26; milk, 320.1 lbs.; per cent. knit together and alone can maintain the integrity of our Empire. (Pro-

ENQUIRY INTO HOG-RAISING

(Continued from Page 772) taining 2386.634 lbs. of butter-fat; in the way of producing the thick fat hogs of the corn belt states without the thus showing an average of 3.53 per aid of skim milk or whey in liberal cent. fat. The average production quantities, it is questionable whether for each animal was 404.9 lbs. of milk the industry of producing hogs of containing 14.291 lbs. of butter-fat; pronounced bacon type, such as Canadian markets in general call for, can ever equivalent to 57.8 lbs., or nearly 28 reach large dimensions apart from the

il butter per ie herd portdo not quite last issue of iges are very as ever been

ial reports, I louncing the ime records na made her of the sort ie commandlds, and such riesians may Blanche ed in seven of milk con--fat; in thirty lbs. of milk of butter-fat; days, 5,473.7 6.569 lbs. of per day was or the seven-3 lbs. for the was over 91 lay period.

s is specially ney will note od began 34 le the thirtyafter. They great quantiabnormal per plain, normal s of 3.68 per and that anow has proof butter-fat nile averaging day. In dis-Johanna and of the 30-day Hengerveld

RDNER. perintendent

MIGRATION

tour of the g, George V. ember 5, 1901 as follows :

representa iterests of the ie pleasure of ture to allude seemed generheir brethren e old country ends to main pre-eminence gainst foreign r.) No one enjoying the

ve had during e struck with essing demand Even in the there were need. Boundt unexplored alling for de-

crops to the e enjoyed unliving, liberal exchange for d the almos sistence which, of many in the ar.) But one s made by our lat is: "Send (Hear, hear.) appeal to my ome to prove chment of the en by sending (Cheers.) By rther strength. on unimpaired, unity of sentiat feeling of

G-RAISING

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npire. (Pro-

age 772) g the thick fat tes without the they in liberal nable whether ucing hogs of uch as Canadian for, can ever apart from the

HEADACHE

May 25, 1910

Burdock Blood Bitters.

The presence of headache nearly always sells us that there is another disease which, although we may not be aware of t, is still exerting its baneful influence, and perhaps awaiting an opportunity to assert itself plainly.

Burdock Blood Bitters has, for years, been curing all kinds of headaches, and if you will only give it a trial we are sure it will do for you what it has done for thouands of others.

++++++ and

Mrs. John Connors, Headache Burlington, N.S., writes:—"I have been constipation troubled with head-Cured. for a long time. After ♦ ♦ ♦ ♦ ♦ ♦ trying different doctors' medicine a friend

asked me to try Burdock Blood Bitters. I find I am completely cured after having taken three bottles. I can safely recommend it to all."

For sale by all dealers. Manufactured only by The T. Milbum Co., Limited, Toronto, Ont.

B. P. RICHARDSON BARRISTER, SOLICITOR.

NOTARY PUBLIC, GRENFELL SASK.

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Dominion Express Money Orders

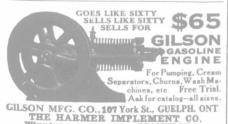
Foreign Drafts

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STAMMERERS

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The methods employed at the Arnott Institute are the only logical methods for the of stammering. They treat the CAUSE, not merely the habit, and insure NATUR-AL Speech. If you have the slightest impediment in your speech don't hesitate to write Cured pupils everywhere. Pamphlet, particulars and

references sent on request. THE ARNOTT INSTITUTE Berlin, Ont., Can.



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can always be identified by the large picture of the RUBEROID MAN on the outside of each roll and the word "RUBEROID" stamped on the underside of the material every few feet.

Ask the Ruberoid dealer in your neighborhood to show you a sample of Ruberoid that has actually given service for 17 years. If he does not happen to have a sample write direct to us and we will send you one by mail.

We want every house-owner to read our book, "All About Roofing." It gives valuable information as to cost and service of all kinds of Roofing.

Sent free on request. Write to-day.

The Standard Paint Company of Canada Limited

Manufacturers

Agents Everywhere

The testimony of the Canadian com- duction fully as much as do any ques- katchewan, and how they may be stimmission recently appointed to discover tions of greater economy in production ulated. It is evident that no era of the reasons underlying the success at or available supplies of feed. Once let high prices for hogs alone has much present attending the hog-raising a man get the feeling firmly lodged effect in increasing production. A cerndustry in Great Britain, Ireland in his mind that he is not receiving a tain number of men keep more live and Denmark on these points is of industry that the price for which his stock than their own immediate needs and Denmark on these points is of indue share of the price for which his stock than their own immediate needs terest and value. This report says: product ultimately sells, and he will demands, because they are fond of live "Roughage in the form of roots or soon drop out of that line of production stock and prefer to be surrounded with other green fodder is considered an if at all possible. This is exactly what horses, cattle, swine or sheep. To essential part of the successful pighas occurred in Eastern Canada, and is such men the financial aspect of the raiser's food supply, These, it is what is today tending to keep down hog generally believed, help materially to production in Saskatchewan. The cure they will keep live stock in any case.

The larger number of the farmers of the price for which his stock than their own immediate needs to the production has because they are fond of live stock and prefer to be surrounded with horses, cattle, swine or sheep. To essential part of the successful pighas occurred in Eastern Canada, and is such men the financial aspect of the question is of secondary importance; they will keep live stock in any case.

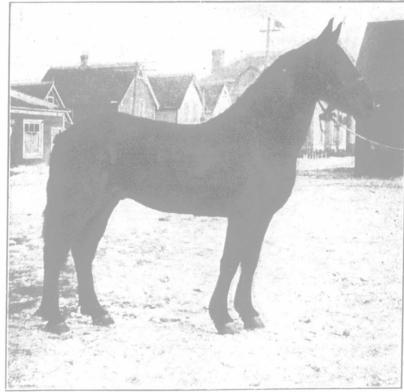
The larger number of the farmers of the price for which has been as to considered an if at all possible. This is exactly what horses, cattle, swine or sheep. To essential part of the successful pighas occurred in Eastern Canada, and is such men the financial aspect of the question is of secondary importance; they will keep live stock in any case. ing stock. Nowhere can these be mission found in England was co-cheaper grown than in Canada, and no operative selling on the part of farmers, ers by temperament or training. They pig-raiser can afford to be without and an attitude of sympathetic and the will only keep live stock as they are them." The hog-raisers of Saskatche- far-sighted co-operation with the prowan confirmed that statement as above ducers upon the part of the best packers. ditions, or driven to by decreasing grain set forth. But the commission also In Denmark the cure was found in co- yields. At the present time conditions reports: "The value of milk and whey operative packing houses. There is of soil and grain markets are such that in pig feeding was everywhere ex-little in the present outlook throughout a farmer in most parts of Saskatchewan emplified. The commission saw very Canada to encourage the belief that need not keep live stock unless he so few pigs being fed without one or the stability in the industry can be se- desires. He can do well and make other, and no where were these foods cured, and confidence in the packers re- money by exclusive grain growing.

portion to the products of the dairy, stock production and dairying in Sas- to a permanent system of farming. It does not follow that because dairy production is large, hog production will be proportionately heavy; there of the dairy can be put than the feeding of pigs. But it does appear that the industry of producing bacon hogs is not likely to reach large proportions on many farms where dairying is not also extensively carried on. Therefore it would appear that an excellent method of stimulating hog production is to first stimulate dairy production, Then, if market conditions are at all equitable, or on a par with those existing in connection with other kinds of stock in the production of which the skim milk or whey might be utilized, increased activity in the bacon hog industry may be looked for. When such a basis for swine-raising exists, too, another condition of affairs alluded to by the swine commission above referred to is more dency to intensive methods which demand careful attention to details. Nowhere was haphazard work associated with satisfactory result s Swine rearing as examined in Europe is a highly organized branch of agriculture

in the last few years that the marketing end of the business re-acts upon pro-

other, and no where were these roots fed without a care for the greatest profit."

The experience of the countries in which the producing of bacon hogs has longest and most successfully been in the producing of bacon hogs has longest and most successfully been impression that the question of hog-lurements of better markets are likely received to this enquiry confirms the force of circumstances, and the allorest when the force of circumstances are likely to be gradual, and confidence in the packers remoney by exclusive grain growing. But the change from this state of affairs, though it is likely to be gradual, it is certain. The influence of education, the force of circumstances, and the allorest when the force of circumstances carried on is that, as a general rule, the raising merges into, and is only one to be the factors most prominent in produce of the pig-pen will be in pro- form of the whole problem of live effecting this change from a transitory



STYLISH COACHER BROUGHT WEST

Make this 60-Day Test of Brantford Roofing—then Test Any Other Make

Write us, or your dealer, for sample of Brantford Asphalt Roofing. Place it in water for sixty days,
When you remove it, rip open with heavy knife, and you'll find insides—the vital part—perfectly dry.
life-like, solid—as before test. Just think of severeness of this test! The result is evidence you cannot overlook. Then make this test with any other Roofing. You'll find the wood pulp—jute or cotton-cloth

insides soaked—softened—lifeless. It cannot withstand severe weather, which is, at its worst, not one-twentieth so severe as Brantford's Test. Wood pulp is like paper. It acts like paper, when soaked-wilts away. How could you expect such a foundation to fight off Roofing Enemies! For resistance, it wast depend upon animal fat, grease, or other refuse coating, themselves veritable mines of danger. They

evaporate—wear off—expose shameful foundation to awaiting enemies. This coating cannot prevent penetration-protect defenceless insides from harm. But Brantford Asphalt Roofing Foundation is one sheet of evenly-condensed, long-fibred pure Wool, with life and body of its own. A secret mixture of Asphalt is forced into it, soaking every fibre. After mixture dries, foundation possesses resisting-power so amount of soaking or bending can effect.

after special Water-proof Coating, into which Silica Sand is rolled under pressure, is applied, becomes a solid mass of resistance. It is weather, acid, alkali, frost, water-proof. Cannot freeze, crack or melt, Wonderfully pliable, Brantford, has but one cost-first. Write for free Book and Samples. Winnipeg Agents: General Supply Co. of Canada, Limited

Brantford Asphalt Roofing, No. 1, 2, 8. Brantford Rubber Roofing, No. 1, 2, 8. Brantford Crystal Roofing, one grade only, (heavy). Mohawk Roofing, one grade only.

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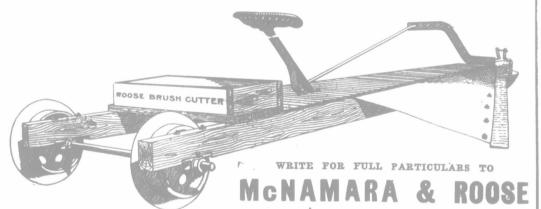
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THE IMPROVED ROOSE BRUSH CU

Corner Market and Louise Streets.

A solid steel machine, easily worked with four horses. Takes the place of thirty men cutting by hand. Will clear from five acres a day up. Get the brush off your land. It is no good for any purpose and it's hard to sell brushy land.



Manufacturers

Every Year We Add New Stripes to the Gaar-Scott Tigers

and Touch up the Old Ones. They are the Marks of

75-Year Quality

SOME BIG STRIPES ON THE TIGER THRESHER

A newly designed and greatly strength-ened frame from best select hard wood throughout—nothing stronger nor more lasting.

Narrow matched and beaded siding that will not warp nor split.

Double-trussed steel axles and steel wheels

A faultless, breakless swivel-rocker bearing on front bolster, giving unhampered motion. Large, 16 double-bar cylinder that gets all he grain and gets it whole.

Our own patent double-bladed, reversible Tiger Teeth.

97 per cent. of grain separated on large concave and grate surface, with perfect front and rear adjustment.

3-way-crank separation—the crankiest of Il about getting the last grain from the

Independent mounting and motion of end-shake chaffer and side-shake shoe, producing the cleanest possible cleaning. The only self-feeder that is on the job every

A gearless straw stacker that will not choke

Book. See the **PROOFS** in TIGER TRUTHS

Our Big Free Cataleg shows all the stripes from t ih to tail.

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BULLETIN REVIEW

Bulletin 394, of the United States department of agriculture, deals with the use of windmills in irrigation. The bulletin was prepared as a guide to settlers entering the semi-arid regions of the West and contains useful information on irrigating by well water windmills being the power used to raise the water to the surface, where it is available for distribution over the area to be irrigated. Advice is offered on sinking wells, both by boring and digging on casing and curbing and arrangement of the machinery necessary. The work contains many suggestions on erecting windmills, sizes of mills and pumps required, quantity of water that will have to be pumped to irrigate given areas, construction of reservoirs to hold reserve supplies of moisture, maintenance of windmills, etc. The object of the bulletin is to give

some practical suggestions to those who are now using or are contemplating the use of windmills for pumping water for irrigation. Windmills are used quite extensively for this purpose already, and there is a wide field for extending their use. The data given for plants on the Great Plains show, however, that the windmill is not a cheap source of power, and that it will not, as is often claimed, run without attention. A windmill should be looked after as carefully as any other piece of machinery, and if this is done it will provide power for the irrigation of considerable areas at an expense which will be justified by the crops grown.

SANITARY COW STALLS

This is a bulletin issued by the Agricultural Experiment Station of Wisconsin. It discusses and describes the various forms of sanitary cow stalls that have been introduced from time to time. The models illustrated offer suggestions that should be useful to farmers contemplating building or rearranging dairy stables. All the leading so-called sanitary stalls are described, in addition to which information is given regarding sanitary stable floors, types of mangers, etc.

A careful study of this bulletin will convince the reader that the principles involved in the construction of a home made stall are equal to those of the patented stalls, and in many ways they are more satisfactory. Some of our more prominent dairymen are using such stalls in preference to those which are patented. The cost of the stalls described in the bulletin run from \$4.40 to \$6.00 per stall.

THE MUSKRAT

This is a bulletin of the United States department of agriculture which discusses the habits, economic relations and value of the muskrat, or musquash While this animal (Fiber zibethicus). does considerable damage in some place its harmlessness throughout most of its range and its increasing value as a ur and food animal justify its protection generally. Its wide distribution, prolific breeding and hardiness, together with the fact that the areas it inhabits are not available for agriculture, make it a resource whose value may be greatly increased by careful husbanding.

The muskrat is not generally regarded as a human food, though its flesh was highly esteemed by the aborigines of North America, and is said to have been used freely by the earlier colonists. Present-day opinion is divided as to the palatability of the flesh, and it is probable that it will require more than the excellence suggested for the flesh in this work to popularize it. Muskrats are, however, of much economic value, and as is pointed out should be protected by proper laws. Spearing and shooting should be prohibited. Muskrat houses

should be protected at all times.

Protective laws should contain provisions allowing corporations and individuals whose property is being damaged by muskrats to destroy the animals in the closed season, under the supervision of game wardens or other officers, but not for profit.

If properly protected the muskrat will continue to inhabit our rivers and ponds for an indefinite period, and to furnish a stock of furs for our own and future generations.

ounded 1866

EW nited States , deals with gation. The a guide to arid regions s useful inwell water used to raise where it is over the area s offered on

ing and arry necessary. suggestions s of mills and of water that I to irrigate of reservoirs of moisture,

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tin is to give to those who ontemplating imping water are used purpose ale field for exata given for is show, hownot a cheap t it will not, vithout attend be looked other piece of done it will gation of conxpense which

ops grown. STALLS

d by the Agation of Wisdescribes the cow stalls that rom time to strated offer be useful to uilding or re-All the lead-Is are describinformation is stable floors,

s bulletin will the principles tion of a home those of the any ways they Some of our ien are using to those which t of the stalls tin run from

· United States ire which disomic relations t, or musquash ile this animal lage in some roughout most ising value as a y its protection tribution, proreas it inhabits riculture, make may be greatusbanding.

nerally regarded the its flesh was aborigines of id to have been rlier colonists. ivided as to the and it is probmore than the the flesh in this Muskrats are, mic value, and be protected by and shooting Muskrat houses

all times. ld contain proations and inv is being damestroy the aniason, under the ardens or other

d the muskrat our rivers and period, and to or our own and

Roofing

Fire, Lightning **Rust and Storm Proof**

> Durable and **Ornamental**

let as know the size of any reof you are thinking of covering and we will make you an interesting offer.

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Barristers and Solicitors Office: CANADA LIFE BUILDING WINNIPEG MANITOBA



SYNOPSIS OF CANADIAN NORTHWEST LAND KEGULATIONS

ANY person who is sole head of a family or any male over eighteen years old, may homestead a quarter-section of available Dominion land in Manitoba, Saskatchewan or Alberta. The applicant must appear in person at the Dominion Lands Agency or Sub-agency for the district. Entry by proxy may be made at any agency, on certain conditions, by father, mother, son, daughter, brother or sister of intending homesteader.

owned and mother, sor

In certain standing may side of his Duties. — Mi years from the time reand cultivate

A homestern stead right and take a purchas Price \$3.00



COST OF PRODUCING EGGS

On most farms it is impossible to ar rive at a very exact estimate of the cost of caring for the fowls kept on it because this work is a part of the general routine, but when it comes to es timating the "feed-cost of eggs" we have some very reliable figures on which to base estimates.

In the Australian laying competitions the accounts kept show exactly how many eggs were produced and how much the feed consumed by the hens cost In the several competitions from 300 to 600 hens were entered and kept in confinement for a year, strict account being kept with them.

In one there were 300 hens in the annual contest. These were divided nto 50 pens of six hens each, no males

being kept with them.

These 300 hens produced during the year 54,070 eggs, equal to almost exactly 180 eggs each, or 15 dozen average to each hen. The cost of keeping them one year was as follows, counting the English pound sterling at \$4.86: Bran and shorts, \$194.40; grain, wheat and corn, mostly, \$321.70; meat, largely ox livers, \$14.58; green feed, chopped alfalfa, \$19.44; shell, \$19.44; sundries, \$4.86; total feed cost, \$549.18.

The average price of eggs in Australia for the year was about 301 cents per dozen, the total receipts being \$1,397.70 The feed cost of these eggs was almost exactly 12.6 cents per dozen, the price of feed not being very much different from prices for the same feeds in this

A series of experiments in this country, where two flocks were used during a period of four months showed some what different results. In this experiment each flock contained twelve hens and a cock. One flock was purebred by Plymouth Rocks and the other was purebred Andalusians.

The Plymouth Rocks produced eggs at an average cost of 61 cents, and the Andalusians at an average cost of 5 4-10 cents per dozen.

It is quite probable that the farmer who feeds his hens properly and regularly produces eggs at a cost of about 8 to 10 cents a dozen. All he receives above this price he must reckon as profit or as pay for his time in caring for his hens

CROOKED BREASTS

A British poultry expert writing of this subject in one of our English exchanges, has this to say:

A crooked breast-bone is a great deformity either to a turkey or a chicken and destructive to each from its market le value. In order to prevent this all young stock should be compelled to sleep on the floor, and on no account should growing chickens or turkeys be allowed to get into the habit of sleeping on thin branches of trees. The explanation is not difficult to find. During the time that chickens and turkeys are growing their bones are comparatively soft and flexible, and to allow them to sit on narrow perches during the night simply tends to encourage a bending of the breast-bone, with the result that the breast becomes permanthe land in each of three years, and the land in each of three years, and the land in each of three years, and consequently the ently crooked, and consequently the ently crooked, and consequently the bird with such a deformity is not likely to have so fine a breast of meat when to have so fine a breast of meat when to the comes to be killed. What may be said in this way of chickens applies even ently crooked, and consequently the said in this way of chickens applies even more forcibly in the case of turkeys, because their bodies are heavier, and fistricts a homesteader in good pre-empt a quarter-section alongments and. Price \$3.00 per acrebe to reside six months in each of six for one homestead entry (including tred to earn homestead patent) the case of turkeys, more forcibly in the case of turkeys, because their bodies are heavier, and it is easier for a turkey to get a crooked breast-bone than it is for a chicken, though both of them are very sustained. though both of them are very sus r who has exhausted his home-cannot obtain a pre-emption may d homestead in certain districts, r acre. Duties. — Must reside ich of three years, cultivate fifty a house worth \$300.00. Deputy of the Minister of the Interior.

N. B.—Unauthorized publication of this advertisement will not be paid for.

III Daths and other buildings of this description; the mischief lies in allowing them to roost on thin, narrow pieces of wood or branches of trees, round which they have to clasp their claws. Whilst

Hyslop Bicycles \$25

Everybody knows the Hyslop reputation when it comes to Bicycles. Last year we thought perfection had been reached, but this season we go it one better, with more of quality and value in

\$50 Wheels for \$25

than heretofore seemed possible. Buying in enormously large quantities and selling on the closest possible margin enables us to discount our own best efforts with the best Bicycles ever offered for the money. You can order by mail with assurance of entire satisfaction. Send your name and address for Bicycle

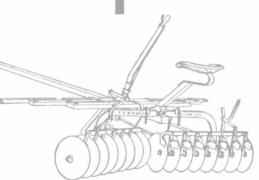
HYSLOP BROS., Limited BICYCLES AND AUTOMOBILES

TORONTO, ONT.

Greater Capacity Lighter

Draught

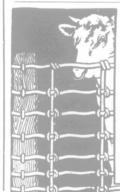
"Bissell" Disk Harrows have greater cutting capacity than any other. All the weight falls on the rear, where the work is being done, taking it off the horses' necks, making it easier for them. The plates are so shaped that they go further under the soil, making an even, clean cut, turning the soil better than others, and pulverizing it thoroughly. Because the plates cut the surface clean off, the draft is relieved. In stiff, hard ground the "Bissell" doe its work wonderfully, without the need of Pressure



Springs or flimsy attachments. The "Bissell" has the peculiar knack of do_ ing its work with one-half the horse-power required by other Harrows.

Canadian farmers know that the "Bissell" is the best harrow in the West. We want to prove it to American farmers also. Free booklet does it. Write today. Dept. A.

T. E. BISSELL Company, Ltd., Elora, Ont. Jno. Deere Plow Co., Ltd., Winnipeg, Sole Agents



The fence that's strong all through

Every wire in our heavy farm fence is No. 9 hard steel, with uniform strength and lasting qualities in each strand. A fence with any small or soft wire in it is short lived. A chain is no stronger than the weakest link. Then PEERLESS Fence made from specially galvanized wire is rust-proof—that withstands more than double the endurance of other makes.

Peerless the tence that saves expense

The PEERLESS does not cost anything to keep—there are no repair bills—it is not affected by changes of temperature. The horizontal wires being crimped makes ample provision for all contraction and expansion. PEERLESS Fence, once well stretched, is always tight—no shock affects it. We are manufacturers of high grade form, poultry, ornamental fencing and gates. Write for Free Book, a sample of PEERLESS Fence and a simple method of testing any make of fence.

THE BANWELL HOXIE WIRE FENCE CO., LTD., DEPT. M., HAMILTON. ONT., WINNIPER, MAN.

The following are some of the lines we are constantly printing

ORDER BOOKS, STATEMENTS, INVOICES, BILL HEADS LETTER HEADS, ENVELOPES, NOTE HEADS, ETC.

THE FARMER'S ADVOCATE, LTD.

JOB DEPARTMENT

PHONE MAIN 9000 or 9001

14-16 PRINCESS ST.

The oldest Insurance Office in the world FOUNDED A.D. 1710 **BI-CENTENARY 1910** HOME OFFICE: LONDON, ENGLAND Canadian Branch, Sun Building, Toronto, H. M. Blackburn, Manager. AGENTS WANTED IN UNREPRESENTED DISTRICTS

The electrically-welded, solid-piece frame gives strength and stiffness to

Peerless Farm and **Ornamental Gates**

is especially constructed for Western prairie conditions and its merits are commendable. The important points are patented. These include the left hand coulter at an angle of 30 degrees.

made of heavy steel tubing electrically worlded into one solid piece. The Peerloss Cate, like the Peerless Fence, saves expense because it never needs repairs. We also We build Peerless Gates to last a life-time—handy, convenient and attractive. They remain staunch and rigid through all kinds of rough usage. The frame is

the under-cutting shear from the landside and the unique steering device. Numerous practical farmers testify as to its efficiency. Listen to what

THE BANWELL HOXIE WIRE FENCE CO., Ltd., Box M, Hamilton, Ont., Winnipeg, Man.

The Van Slyke Breaking Plow

PATENT

Dr J. W. Rowntee, President Van Slyke Plow Co., Red Deer, Alta,

Dear Sir:—

Referring to demonstration which was given by you of your breaking plow, a few days ago,

I noted the following conditions which recommended it to me very strongly.

The undercut share or fin on the landside, which prepared the next furrow for turning, would leave no possibility of any portion of the next furrow being turned without being cut loose from the adjacent sod. There seemed to be very little friction on the share and mold-board, it having so small an angle with the landside and the long sweep of the arms or rods back of the moldboard seemed to turn the sod with perfect ease and little friction, although turning the sod 20 inches in width, and a depth of not less than 4 inches, the draft was so light that it would appear one good team could handle it without very great effort. The coulter set at an angle and attached to the point of the share seemed to be a very good device, as it not only stiffened the coulter and kept it in exact position, but also cut the sod at an angle so it could less easily stand on edge. This assisted turning very much.

Owing to the soil which we have in the irrigation block, I believe you will find it to your advantage instead of cutting a furrow 20 inches in width to cut two furrows 12 inches in width. This will have a tendency to join the edges so as to leave flat the surface and where the sod varies as to its toughness, as it does here, it will turn the sod unbroken and leave a surface best suited for cultivating and would require less discing than it would if turned in wider furrows and not laid as regular.

If a few details are worked out I consider you have a plow that will eclipse anything that is now on the market and will work a revolution in breaking sod on this Western prairie.

With these few suggestions permit me to say, that any assistance I can give you in working out this point, I will gladly do at any time, and when a plow turning 12-inch furrows such as can be evolved from the plow

ing out this point, I will gladly do at any time and when a plow turning 12-inch furrows such as can be evolved from the plow shown in the present demonstration, has been made and is on the market, I want you to put me down for one for use on my farm. I understood that this company are going to make such plows. For scrub brush land an 18-inch furrow plow works better than the narrower furrow.

I remain, Yours very truly,

F. W. CRANDELL,

Superintendent of Department of Irrigation and Colonization Dept. Can. Pac. Ry. Others likewise testify, while hundreds are sending in their orders. We guarantee it to werk in all brush or gumbo soils:

WRITE FOR FULL PARTICULARS

RED DEER, ALBERTA.

VAN SLYKE PLOW COMPANY,

Dr J. W. Rowntee, President Van Slyke Plow Co., Red Deer, Alta.

on this subject, it might be well to point out the importance of having broader stouter pieces of wood than are gen erally to be found in poultry houses Nothing is more dangerous than to have the thin broomstick type of perch that one sees so often. A good, solid broad block of wood should be used for a perch, so that the poultry can sleep in comfort, which they cannot do unless they are able to balance themselves properly. No piece of wood is fit for



MAKING ADVANCES

an ordinary poultry-house perch unless it is quite some three and a half inches broad with a half-round surface, so that the feet can rest upon it without having to grasp it—a process which commonly accounts for crookedness in the toes.

RUSSIA'S EGG EXPORTS

Russia sends huge quantities of eggs to the United Kingdom, by far the largest exporting centre being Riga. Of the enormous quantity of 23,472,658 "great hundreds" (a "great hundred") being 120) of eggs exported from Russia, in 1909, 9,858,333 great hundreds were shipped from Riga. Of these the United Kingdom took 6,044,448 great hundreds.

In 1909 the export of eggs from Riga amounted to nearly three-fourths of the total export from Russia to England or over one-third of the total import of eggs into England.

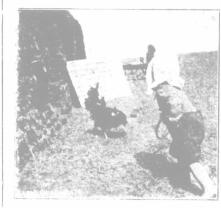
GROWTH IN HEN'S BEAK

Hen is unable to close its beak. There is a slight but firm swelling at both corners of beak. This is natural color. She eats and drinks very little, but makes every effort to do so. - A. N.

Ans.—Small growths, or cysts, frequently occur under the tongue and protrude between the beaks of fowls. Take a sharp pair of scissors and snip them off and stop the bleeding by touching the raw surface with a piece

CAPONIZING

I was thinking a few remarks on this subject might be of interest to some of our farmers who are interested in the raising of poultry, and who are subscribers to your valuable paper. I have performed this operation on



ones from which the greatest profit may be derived. The majority of birds I have operated on were Barred Plymouth Rocks. However, some of the cross-bred birds do very well. For excellent birds for capons, as they grow

BANK SHARES BOUGHT AND SOLD AMERICAN SECURITIES CO.

627 Confederation Life Bldg, Toronto

Nervous Women

will find that Nature responds promptly to the gentle laxative effects, and the helpful tonic action of



Creston Fruit Lands offer greatest inducements of any in Province.

Soil and climate unexcelled. Irrigation unnecessary and no summer frosts.

Nearest to Markets. Look at your Map. Fruit shipped at noon reaches Alberta before midnight.

Prices Reasonable.

Improved, partly improved and unimproved lands for sale.

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MILK FEVER OUTFITS, Dehorners. Test Syphons, Slitters, Dilators, Etc. Received Only Award World's Fairs, Chicago, St. Louis Write for Illustrated Catalogue.

HAUSSMANNI& DUNN CO., 392 S Clark St., Chic go



RESPONSIBLE MAN with team and wagon wanted who can give bond, as salesman for our Extracts, Stock, Poultry, Powders, Liniments, Spices, Talcum, Soap, etc. Write county. George Hassall, Sec., 221 Main St., Keokuk, Iowa.

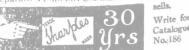
arator sold on discarded for a

It is very easy to make agents and makers of common cream separators squirm. If they claim their disk filled or otherwise complicated machines are simplest or easiest to clean, just you smile and remind them that

Sharples Dairy Tubular **Cream Separators**

have neither disks nor other contraptions. If they claim their common machines skim closest, smile again and remind them that Sharples Dairy Tubulars develop at least twice the skimming force and that all the skimming force and that the ming force, and that skimming force does the work. If they claim their many piece machines are most durable, smile some more and remind them that many parts mean rapid wear. When ou see how common sense and smiles make ents for common separators squirm, you'll not want a common machine.

Tubulars are The World's Best. The man acture of Tubulars is one of Canada's leading industries. Sales exceed most, if not all, others combined. Probably replace more common separators than any one maker of such machines



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Telephones and Switchboards Poles, Wire, Brackets, Insulators, Tools, Lightning Arresters, Ground Rods, Batteries, Insulated Wire, and everything necessary.

NO CHARGE for our experts' letters of advice, drawings, explainations, instructions, telling you in any language, nontechnical, just how to build, own and operate your rural, town or long distance lines in a good but economical way and at a profit, thereby getting your own telephone free.

We are the largest, exclusive and the only bona-fide Independent Telephone and Switchboard makers in Canada or Great Britain.

Our Telephones are extensively used in Canada, England, France and by the U. S. Government.

Our great illustrated book on the Telephone sent Free to anyone writing us about any new Telephone lines or systems being talked of or organized.

We have a splendid money-making proposition for good agents. The Dominion Telephone Mfg Co., Ltd. Dept. Q, Waterford, Ont., Canada.)

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ld's Best. The manu e of Canada's leading most, if not all, others eplace more commo aker of such machine



SEPARATOR CO. WINNIPEG, MAN.

No.:186

Was All Run Weighed 125 Lbs Down. Now Weighs 185

May 25, 1910

Mrs. M. McGann, Debec Junction, N.B. writes:—"I wish to tell you what Milburn's Heart and Nerve Pills have done for me. Three years ago I was so run down I could not do my own work. went to a doctor, and he told me I had heart trouble and that my nerves were all unstrung. I took his medicine, as he ordered me to do, but it did me no good I then started to take Milburn's Heart and Nerve Pills, and had only taken one box before I started to feel better, so] continued their use until I had taken everal boxes, and I am now strong and well, and able to do my own work When I commenced taking your pills I weighed 125 pounds, and now weigh 185 and have given birth to a lovely young daughter which was a happy thing in the family When I commenced taking Milburn's Heart and Nerve Pills, I could not go upstairs without resting before I got to the top. I can now go up without any trouble

The price of Milburn's Heart and Nerve Pills is 50 cents per box, or 3 boxes for \$1.25 at all dealers or mailed direct on receipt of price by The T. Milburn Co. Limited Toronto Ont.



pregnators. No experience necessary to use them successfully. Prices, \$3.00 to \$5.00 each prepaid. Popular SAFETY IMPREGNATING OUTFIT, especially recommended for impregnating so-called barren and irregular breeding mares, \$7.50 prepaid. Write for CATALOGUE which illustrates and describes our Impregnating Devices. Breeding Hobbles scribes our impregnating Devices, Breeding Hobbles, Stallien Bridles, Shields, Sumports, Service Books, Etc. CRITTENDEN & CO., Dept. 35, Cleveland, Ohio, U.S.A.

IncreaseYour Profits

Fleming's Lump Jaw Cure and it remains today the standard treatment, with years of success back of it, known to be a cure and guaranteed to cure. Don't experiment with substitutes or initations. Use it, no matter how old or bad the case or what else you may have tried—your money back if Fleming's Lump Jaw Cure ever fails. Our fair plan of selling, together with exhaustive information on Lump Jaw and its treatment, is given in

Fleming's Vest-Pock Veterinary Adviser Most complete veterinary book ever printed to be given away. Durably bound, indexed and illustrated. Write us for a free copy. FLEMING BROS., Chemists, hurch St., Toronto, Ontario

KENDALLS SPAVIN CURE

Sure Cure for Spavin Seattle, Wash. Nov. 1st. 1909
"I have used your Spavin Gure and find that it is
a sure cure for Spavin and Ringbone."
Yours truly, A. T. Lynch.

Equally good for Curb, Splint, Sprain, Swollen Joints and all Lameness. emedy. Good for man and beast. e-6 for \$5. Buy at dealers and get of our book—"A Treatise On The DR. B. J. KENDALL CO. Enosburg Falls, Vt.



LEASING OF LANDS

The company is prepared to lease for hay and grazing purposes all reserved quarters or half sections. For particulars apply the Land Depart ment, Hudson's Bay Company, Win gree plants" have not been borne out by trials made by Mr. Macoun. The

to be very large, and are plump and richly colored when dressed for market. I have not operated on the Wyandotte or Orpington birds to any particular extent, but I can see no reason why

they would not produce excellent

There are advantages in caponizing, viz.: The price which they bring on the market, as compared with ordinary pirds; they are worth from five to eight ents a pound more when dressed, and probably more, when people learn the difference between the flavor of their meat and others, they being more tender, sweeter and more juicy.

The increase in weight is considerable. It is not difficult to have a capon weigh from eight to twelve pounds. The heaviest I have yet known was ixteen pounds, being a cross with a Brahma. They grow for a few months onger than ordinary birds, and for this eason may be kept later in the season,

when prices are better and fowl scarce. They should be operated on at two to three months of age, just before they commence to crow. The operation is simple, and only takes from one to two ninutes after the bird is caught and neld in position. They must be fasted for at least twenty-four hours, then fed warm, soft feed for three days following. My fatalities have been less than one per cent. If the operation has been successful, the birds will commence to grow rapidly, sit around, become pale n the head, and have no desire to roam with other birds. Their combs do not grow, and a great many of them never crow. However, if the smallest portion of the testicle is left intact, it will grow to quite a size, and the bird crows, and is little different from a cockerel. They should be kept where they can be fed by themselves, for they will not push in and feed with the other fowl, the other birds all bossing them. Their inclination is to eat, sit around and grow, but will not search for food.

W. J. R. FOWLER, V.S. Note.—Ordinarily, caponizing does not pay, for the reason that it is difficult to get any more for capons than cockerels, when they are fattened for market. If one were into the poultry business where a house-to-house trade could be built up and where customers would pay a premium on quality, it might be an advantage to caponize Capons can be housed more closely than cockerels can, or even laying pullets, and they are very quiet; in fact, in many respects, are much the same as our correspondent writes. For home use, they are certainly worth a trial, and the same would apply to the firstclass retail trade.—Editor.



STRAWBERRY GROWING

Of the long list of luscious small fruits grown to such perfection in Eastern Canada, none equals the strawberry in general popularity. Though readily fruited under almost all sorts of conditions, the demand for home use, city and town markets, and canning factories, is such that there never seems to be enough to go round. Many new plantations will be started this season n farm gardens, and readers of THE FARMER'S ADVOCATE who are begin ning, or who wish to improve, will appreciate some practical suggestions, pased on twenty-one years' experience at the Central Experimental Farm and elsewhere, given by W. T. Macoun, the horticulturist, in his 50-page bulletin on strawberry culture. The usual meth-od of propagating is from runners. Those selected from the best plants year after year, and grown under favorable conditions, should show improvement over those not selected, but the principle of selection is good, however,

AUCTION SALE

200 ----- HORSES ------ 200

TO BE HELD AT

GLENDOR RANCH, 4 miles east of Calgary on FRIDAY, JUNE 10th



These horses are the property of Patrick O'Sullivan, and they weigh from 1100 to 1500 pounds; besides a big proportion of them are mares.

All must be sold. No reserve. Implements to be disposed of.

TERMS CASH

A. LAYZELL, Auctioneer CALGARY, ALTA.



HORSES

Shires and **Percherons**

In looking for stallions or mares, don't buy until you have seen what W. W. Hunter is offering, as he buys and sells every stallion himself.

Your first purchase at this establishment means another life-long satisfied customer. Some of the best stallions and mares that were imported to Canada are in the importation which arrived November 20, 1909. Address all correspondence to-

> W. W. HUNTER **ALBERTA** OLDS.



JOHN GRAHAM THE LARGEST IMPORTER IN CANADA

A few good stallions at attractive prices to clear before the season closes.

A fresh importation will reach Carberry the first week of May, mostly mares, and I will be pleased to hear from my old or new customers contemplating buying such. They will be up to the usual high standard.

Lord Guthrie in Action **MANITOBA** CARBERRY.



JACKS FOR SALE

Imported Spanish and mammoth American Jacks, at reasonable prices. I have also on hand some Imported Percheron, Belgian and Clydesdale stallions, a number of prize-winners.

NOTICE—A guarantee goes with every stallion sold, the buyer taking no chances. My prices are right and my terms are reasonable. I will take land or any kind of stock in exchange. All Jacks and stallions have first-class pedigrees. L. K. PARR, Stavely, Alta. Write me what you want.

PURE BRED YORKSHIRES FOR SALE



12 November sows, when bred, \$25.00 each; 20 April pigs, \$12.00 each. This stock is descended from the sow **Snowflake**, first at Dominion Exhibition, Winnipeg, 1907, and from an excellent sow bred by D. C. Flatt. These prices are f. o. b. Neepawa. Can ship via C. N. R. or C. P. R. Write for further exercised are

S. BENSON

NEEPAWA, MAN.

Horsemen

Now is the time to prepare a catalog of your stock. Write to us for prices, giving size and number you require.

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Melrose Stock Farm SHORTHORNS CLYDESDALES

Sold out of sheep. Six young bulls, a few heifer calves for sale; five young stallions, from one to three years old. GEO. RANKIN & SONS

Oakner P.O., Man. On the G. T. P.

SHORTHORNS

Great Private Sale

Special prices and terms for choice breeding Shorthorns to make room for winter. Come and see them, or write for particulars, also prize-winning Barred Plymouth Rocks. Eggs for sale in season. R W. CASWELL, Star Farm

Box 1283 Saskatoon, Phone 375 C. P. R., C. N. R., G. T. P.

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Ormstown, P. Que. Importation and breeding of High-Class Clydesdales a specialty. Special importations will be made for breeders at minimum cost. My next importation will arrive about 1st June. DUNCAN MCEACHRAN



ALSO FOR SALE

Ulencorse

Yorkshires

Holstein-Friesian bull calf, nine months old, sire Duke Varcoe Beryl Wayne (7718), dam Duchess de Kol (7158) and litter of registered Sable Collie

Glen Bros., Didsbury, Alta. Prices on bulls.
A. D. McDonald, Nap ol a, Man.

The J. C. Ranch

Breeder and importer of high-class Clydesdales. Young stock always for sale. Male and female. A car load of young stallions just arrived. I can supply, you with a show ring champion or range stallion.

JOHN CLARK, JR.

Box 32. Gleichen, Alta.

CHOICE SHORTHORN BULLS, \$35 to \$70. All stock registered.
These are a nice lot, six to twelve months eld.
Also a few young SHORTHORN COWS of

CLYDESDALE COLTS FOR SALE Yorkshire pigs, both sexes, ready to wean J. BOUSFIELD, Prop., MACGREGOR, Man

Messrs. Hickman & Scruby Court Lodge, Egerton, Kent, England EXPORTERS OF PEDICREE LIVE STOCK

of every description. Owing to the rapid increase in business, Mr. L. C. Seruby has been taken into partnership. During the spring months the export of herses of the light and heavy breeds will be a specialty. Write for prices, terms and references.



J. G. POPE Regina Stock Farm Regina, Sask. Breeder of

Ayrshire Cattle and Improved Yorkshire Swine Stock of both Sexes and all Ages for Sale.



Also three young Shorthorn bulls. Apply for

Perfect BLOSSOMS FROM "PERFECT" AND "IM-PERFECT' VARIETIES. formation of fruit. Insects, like bees,

and the wind, carry the pollen from "perfect" to "imperfect" flowers, and cause fertilization. By a reference to the illustrations, the difference between he two kinds of flowers is readily seen. It is not necessary to buy imperfect flowering varieties, as there are plants of good sorts with perfect flowers, but f for some reason a grower wants the ormer, they should be planted with the rows alongside the latter, but they should bloom at the same time.

and, if thoroughly carried out, will re-

sult in an improved strain. He points out, also, that the success of the so-

called "ever-bearing" berries is largely

Very often berries grow ill-shaped and

worthless, because the flowers of the variety are "imperfect"; that is, with

female organs only, and not provided with stamens, on which the fine dust

or pollen forms, and which, falling on

the pistils, causes fertilization and

a matter of climatic and weather.

ENRICHING THE SOIL.

The site of a strawberry bed should be where the snow will lie in winter, and be well drained. The latter is essential. Warm, sandy soils produce early fruit, but friable loams the best crops. The richness of the soil is the great factor. Land that will grow good root crops will produce good berries. A root crop&heavily manured, the previous season, or a clover sod fall plowed, will give satisfactory results. Nothing beats well-rotted stable manure, thirty tons to the acre being a fair application, put on early in spring so as to get it thoroughly incorporated in the soil by tillage. Fresh, strawy manure makes the land too loose, causing the young plants to dry out. Twenty-five to one hundred bushels of wood ashes as a top-dressing, when harrowing, will show beneficial results. application of 100 to 150 pounds nitrate of soda, broadcasted before the flowers open, is sometimes desirable, if plants are not making vigorous growth. Ground oone, applied at the rate of 200 to 300 bounds per acre, will supply phosphoric acid, before planting, and potash may be furnished by using 200 to 300 pounds muriate of potash, if wood ashes cannot be obtained. By way of preparation for next year's planting, if barnyard manure cannot be obtained, nitrogen and humus may be obtained by plowing down clover, peas, or other leguminous crops, and then using the artificials as suggested. The main thing is to have a rich, mellow soil ready early for spring planting. CHOOSING VARIETIES.

In the choice of varieties one mus be guided by circumstances, the purpose for which the berries are to be grown, kinds that do well in the locality and the best perfect-flowering plants avail able. In the past 21 years, 596 named sorts have been tested at the Experimental Farm. Only fourteen of those on trial during the first two years are yet under test. Better kinds have taken the place of the others. Of elevon varieties considered very promising twenty years ago, three are still considered most promising Rubach considered most promising, Bubach, Warfielde and Daisy. The Daniel Boone, after twenty-one years' trial, still does well, and the Williams, tested for eightee z years, still ranks as one of the best co Emercial shipping berries. The bulletin suggests the following lists

Commercial — Bederwood (per.) Splendid (per.), Warfield (imp.), (not suited to light soil), Williams (per.), Greenville (imp.), Bisel (imp.), Sample (imp.), Buster (imp.), Pocomoke and

Domestic — Excelsior (per.), Splendid (per.), Senator Dunlop (per.), Lovett (per.), Ruby (per.), Bubach (per.), Wm. Belt (per.).

Order your plants early and plant soon after arrival. If that is not con-

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A Safe, Speedy, and Pestitive Cr.

The safest, Best BLISTER ever used. Take
the place of all linaments for mild or severe action
Removes all Bunches of Blemishes from Horses
and Cattle, SUPERSEDES ALL CAUTER
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Every bottle sold is warranted to give satisfactor
frice \$1.50 per bottle, Sold by druggists, or senby express, charges paid, with full directions for
its use. Send for descriptive circulars.

The Lawrence-Williams Co., Toronto, One A Safe, Speedy, and Positive Car



Fleming's Spavin and Ringsons and make the to remove the lameness and make the horse go sound. Money refunded if it ever fails. Easy to use and one to three 45-minute fails. Easy to use and one to the fails. See well on the fails of the fails fails and one of the fails. Spavin and Ringbone Paste to remove the fameness and make the horse go sound. Money refunded if it ever falls. Easy to use and one to three 45-minute applications cure. Warks just as will off adobted and Bone Spavin. Bufore ordering or buying any kind of a memody for any kind of a benedy for any kind of a blemish, write for a free copy of Fleming's Vest-Pocket

Veterinary Adviser Ninety-six pages of veterinary information, with special attention to the treatment of blemishes. Durably bound, indexed and illustrated. Make a right beginning by sending for this book.

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and Henderson Bros. Co. Ltd., Vancouver.

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\$5.00 trainers on every kind of case. Fermanana, Splint, Capp. Thoroughpin, Ringbone (except low). Carb, Splint, Capiliock, Windpulf, Shoe Boll, Injured Tendons & all Lameness. sear or loss of hair. Horse works as usual. Dealers or Exp. pata.
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in prisewinners in numbers of sales, in dairy quality, in breeding cows, in breeding sires, in importation, in hour bred animals, in breeding results. Jerseys of all ages and both sexes for sale.

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I have for sale some great, thick, robust, young stock bulls and some grand young heifers ready to breed. I can supply ranchers with bulls of a serviceable age at very reasonable prices. My herd won many prizes at the leading exhibitions in Alberta last season. Imperted Baron's Voucher, a champion bull in Scotland, heads my herd. Write

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CLYDESDALES. PERCHERONS

Our sales this year have been double any former year, but we have twenty-two stallions in our barns yet to sell.

These are from two to five years of age; have nearly all been winners in the Old Country, and will be winners here, and we will give you a bargain now to clean out.

We intend importing a large number of Clydesdale and Percheron mares this July, and will give you a bargain if you will write and tell us what you want before we go. We can get just what you need cheaper than you can buy in the ordinary way, and if it does not suit you are under no obligation to buy. Write now.

Branch at Vegreville, Alta. JAS. BROOKS, Manager. **VANSTONE & ROGERS** Head Office and stables, WAWANESA, Manitoba



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dly recommend it. Ship E W. LENOIR, Route 2. Horne St. Toronto, amton, N.Y.





venient, open the package, and put the taken to have the crown of the plant plants in a well-drained trench, covering the roots well, so that the crown just shows above the ground. Place them close together, but in single rows. Firm the soil. These plants will have begun to form new roots by the time you are ready to plant. The matted row is the most satisfactory plan. The plants are set from 15 to 18 inches or more apart in rows $3\frac{1}{2}$ to 4 feet apart.

May 25, 1910

PLANTING AND TILLAGE.

For a good-sized plantation, mark and cross-mark the rows. Long rows save time in cultivation. When planting with a spade, the man makes the hole, forcing the spade into the ground



proper depth. shallow. PROPER AND IMPROPER DEPTH FOR PLANTING STRAWBERRIES.

and driving it forward and backward As soon as withdrawn, a boy places the plant in position, and the man presses the soil firmly against the roots with his foot. A surer mode is with the trowel or dibble for opening the hole, whereby the plant is more likely to be set the proper depth, and the roots spread better in the soil. One person can do the job. Great care should be

GREAT CONTRIBUTION SALE

Purebred Shorthorn Aberdeen-Angus and Herefords BRANDON, JUNE 1st, 1910

by breeders and importers of Saskatchewan and Manitoba.

The best opportunity to secure animals from the leading herds in the West and be delivered at your Station in Manitoba for \$3.

Cheap Passenger Rates on Certificate Plan

Catalog of entries now ready.

A. W. BELL, Secretary, Winnipeg, Man.

SLOGAN PARK

The Choicest Fruit Land in the **KOOTENAYS**

New Map now ready giving particulars of

New prices and Terms

Many Lots all ready for the Spring work. Trees growing Write for particulars to

THE KOOTENAY-SLOCAN FRUIT CO., Ltd.

NELSON

just at the surface when pressed in f too high, it will dry out; if too l t will be smothered. Our illustration shows the three ways of setting the plants. Keep the soil loose and free from weeds by horse and hand hoe cultivation. Pinch off all blossoms that appear the first season; place the runners where they will root well, and ac cording to the plan (rows or hills) adopted. The plants should not form too dense a row if large berries are de-

sired. With good care and growth, a

row two feet wide by autumn should be

secured, leaving an 18-inch space be-

tween for the pickers next year According to a table given, the average crops obtainable, as reported by nine different growers in Ontario and Quebec, vary from 3,000 quarts to 3,600 quarts per acre in a season. Strawberries are a costly crop to grow, but very profitable. A detailed de-scription is given of 120 varieties out of the 596 named and grown at the farm. A post card to W. T. Macoun, Experimental Farm, Ottawa, would loubtless secure a copy of the bulletin No. 62), by anyone desiring more complete details on the subject than given in the foregoing article, which is intended for immediate application in the farm garden.

INSTRUCTIONS IN BEE-KEEPING

VI Agricultural authorities are frequently asked how a few hives of bees can best be handled. It is not an easy question to answer off-hand, but in a series of articles, interspersed with digressions, as the humor takes me, hope to answer "at" it.

The first things to be considered in attending the bees are to keep each hive strong in bees and free from disease, and to give them conveniences for storing honey in the most desirable form. The difference between strong colonies and weak ones is the difference between a honey crop and no crop. To have colonies in condition for the best work, one must attend to them the year around, have them strong all the time, and overflowing with bees at the right time. The year in the apiary really begins at the end of the honey crop. At that time each colony should have a good queen, preferably of that season's rearing. Each hive should contain all worker comb and have enough bees to cover six to eight Langstroth combs, and at least 35 bounds of well ripened sealed stores. Clover, basswood or even buckwheat noney will answer, if well-ripened, but the most satisfactory winter feed is sugar syrup, made of best granulated sugar and water, in the proportion of 50 pounds of sugar to 20 pounds of water. Boil the water and stir in the sugar till thoroughly dissolved, then add three teaspoonfuls of tartaric acid, previously dissolved in a little water. When bees are wintered successfully, they come out in the spring nearly as strong and quite as clean and healthylooking as they were in the fall.

They should be looked over on the first day of spring that is calm and bright and warm enough for them to be flying freely. Such days often come at the end of March in Southern Ontario, or early in April a little farther north. If wintered in the cellar, they should be brought out at this time and set in a place where they are well sheltered from cold winds, and supplied with water and artificial pollen right in the apiary. In this spring examination we must remember that the hive is an incubator, and that heat naturally ascends. On this account, do not keep the hive open at the top longer than is absolutely necessary, and have warm covers. A single thickness of board is not enough. It will pay well to use felt, carpet-paper, chaff, or whatever warm covering is most convenient to keep the tops of hives warm. The en-trances should be contracted to form a half inch to three inches, according to the strength of the colony; better

Successful management of bees requires a visit from the apiarist at least once a week, and careful inspection of every hive. If each hive has plenty open the hives again until the begin-ning of fruit bloom. In no case should the brood chamber be opened, except

The First Step

No one doubts that all physical life. animal and vegetable, is nourished and supported by food—which must be digested and assimilated. It follows, then, that the very first step backward in health is taken immediately when you fail for the first time to digest your food. If people would only bear that fact in mind and at once take a simple, helpful, curative remedy such as Mother Seigel's Syrup, they would never suffer the niseries, the weakness, the permanent ill-health, which Indigestion brings upon its victims. The first stages of Indiges-tion are just as easily recognized as the last-the windy pressure and distress, perhaps pains, in the stomach; the coated tongue; and bad taste in the mouth and the loss of appetite.

Look for example at the case of Mr. R. C. Welsh, Postmaster at Glenlea, R. C. Welsh, Postmaster at General, For this complaint. I have not experience of July 7th, '09, he writes:—
"About 18 years ago I contracted a your preparation seems to be a condisease which my doctors failed to queror of Stomach troubles. diagnose and from which, even in sore I could scarcely move about."

"One day I read one of Mother and quite often I would become dizzy. Seigel's Almanacs and feeling con-winced by the cures I read of there I your excellent preparation I was cured.

started using that medicine. A single bottle made me feel a great deal better, and after I had used up 3 bottles I could eat anything. I am now as hale and hearty as a twelve-year-old."

If Mr. Welsh had taken Mother Seigel's Syrup as this first step instead of a last step toward a cure he would have been saved much distress and some

Mother Seigel's Syrup is made from the extracts of certain roots, barks and leaves which exert a remarkable curative and tonic effect on the stomach, niver and bowels, and has no equal as a digestive tonic and stomachic remedy Take it daily after meals

From the bustling old city of St. John's P. Q., Mr. Aubin Dube writes January 26, 1909:

"For over two years I suffered with Indigestion, and I have found Mother \$eigel's Syrup to be the best medicine for this complaint. I have had experience in taking other medicines, bu t

"My case was as follows: - Acute hospital, I found no relief. Everything I ate seemed to hurt me. I had pains after eating, severe constipation, in my back for days at a time and a occasional headaches, and sometimes rattling noise in my stomach. When bloating in the stomach. Rheumagot a little better, my stomach was so tism in the legs bothered me at times,

"After two months' treatment with



OUT OF THE DARKNESS OF INDIGESTION

Out of the miseries of biliousness and constipation; away from headaches and pains that torture the stomach after meals; leaving behind you all sickness and wretchedness, sour stomach, bad taste in the mouth, palpitation, despondency and despair! If YOU want release from such troubles, put your digestion right. Mother Seigel's Syrup will bring you quickly, surely, as it has brought thousands, out of the gloom of indigestion

INTO THE SUNSHINE OF HEALTH

· Myriads of people have proved that Mother Seigel's Syrup is a remedy of the highest medicinal value for all stomach and liver complaints. Made of roots, barks and leaves it is unequalled as a digestive tonic. If your stomach ails or is weak, Mother Seigel's Syrup will strengthen it, will stimulate your liver and bowels to healthy action, restore your digestion, purify your blood, cleanse your system, give you vigorous, buoyant health

"For two years I had pains after eating, with headaches, and arose tired in the mornings from loss of sleep. My tongue was coated. I became pale and thin, with spells of dizziness and heart palpitation. I took Mother Seigel's Syrup and now, after that two years of misery, I am as well as I have ever been." M'me. Louie Lessard, Quebec City. 7.7.09.

MOTHER SEIGELS SYRUP.

A. J. WHITE & CO., LTD., MONTREAL

THE CHILLIWACK VALLEY

is the most fertile spot on the American continent. The temperature is extremely even and the climate is ideal.

Three new railroads in course of construction, two of these are transcontinental, the Canadian Northern and the Great Northern, and the other is the British Columbia Electric Railway, now practically completed, connecting us with Vancouver and New Westminster within a two hours' ride of our beautiful valley.

All the large farms are being cut up into five and ten-acre fruit, vegetable and chicken ranches.

We have a large list of these small farms to sell on the very easiest of terms. For instance, we have the very best of fruit land, all cleared, to sell at \$200 to \$300 per acre, one-fifth cash, balance in four years.

We have one of the finest lists in the province and we are making our terms to suit your circumstances.

As from \$350 to \$700 per acre can be realized from fruit and veget-

ables in this valley, we can recommend these small farms to anyone who wishes to engage in this most remunerative and pleasant vocation. No farm in the valley is more than ten miles from the city and the new railroads will establish stations throughout the district, so that there will be ample shipping facilities for all branches of farming, etc.

Write us about what you want in the way of a home and we will quote prices, terms and descriptions by return mail.

Come and see the valley for yourself or send a representative, and we feel sure that you will never want to live elsewhere

Address a postcard or letter to T. J. POLLEY & CO. to-day CHILLIWACK, B.C. P.O. Box 247,

WALL PLASTE

When figuring on that new house do not overlook the interior finish.

Ask for Sackett Plaster Board and the Empire Brands of Wall Plaster

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WINNIPEG, MAN.

MEN! BE STRONG!

TAKE THIS BELT FOR WHAT IT IS WORTH—WEAR IT UNTIL YOU ARE CURED—THEN PAY ME MY PRICE.



Every man should understand that physical power, large musstrength and endurance come from animal electricity. My treatment will pump every part of the body full of that, and perfection will result.

It not only restores vigor and increases nerve power, but it cures Rheumatism, Pain in the Back and Kidneys, Indigestion and Constipation, and all troubles which result from weakness of any vital I have learned to put a lot of confidence in men,

especially men who are weak, sickly and delicate, who have tried everything to restore their vitality and failed, who have lost faith in themselves and humanity in general, bzcause they have been led to try so many remedies which were no more use than as much water. These are the men I want to wear my Belt, and I will wait for my pay until they are cured. All I ask is that they give me reasonable security while the Belt is in their possession and use. If it don't cure you, it costs you nothing. Is there anything more

GET SOME LIFE INTO YOU

Where there is any physical constitution to work on, my treatment will develop perfect manhood. It will take the slightest spark of manly vigor and fan it into a flame which will encompass the whole structure and charge every nerve and muscle in the body with the vigor of youth.

Dear Sir:—After using your Belt for pains in the back for one month, I find it has cured me. I think it is the cheapest investment I ever made, as I have paid out more money for doctor's medicines which did me no good than would have paid for the Belt. Thanking you for your valuable service and wishing you success, I beg to remain, FRANK HOWARD, Woodbend, Alta.

Dear Sir :—I thought I would write to let you know that my back is much better since wearing your Belt. My back used to feel as if it would burst open. I used to be in agony sometimes. I never had anything wrong with my back until I met with my accident. I fell into a concrete dry tank and thought it was all over with me. Your Belt is the only thing that did me any good. You can make what use of this you wish.—W. CROW, Virden, Man.

Wherever you are, I think I can give you the name of a man in your Just send me your address and let me try. is my twenty-fourth year in the business of pumping new vim into worn-out humanity, and I've got cures in nearly every town on the map. All I ask is that you secure me and pay me only when your cure is complete.

FREE TO YOU

Get my 80-page book describing my Electric Belt, with illustrations of fully developed men and women,

showing how it is applied.

If you can't call, I'll send this book, prepaid, free, if you will enclose this coupon.

Consultation free. Office hours, 9 a.m. to 6 p. m. Wednesday and Saturday till 8.30 p. m.

DR. M. D. McLAUGHLIN, 112 Yonge St., Toronto, Can.

Please send me your Book, free.

NAME.....

ADDRESS.....

when the weather is really warm. This matter of conserving the heat of the hive in spring is of the utmost importance.

About the middle of May it will be seen that some colonies require more room. These hives are full of bees from corner to corner, or those which have been contracted in the fall may need to have the division board removed, and more combs added. On the other hand, some colonies will be quite weak, occupying only two or three spaces between combs. I have found it an advantage to remove a strong colony and make it change stands with a weak one. By the field bees returning and entering the weaker hive the forces are equalized.

When fruit bloom opens, and bees are getting honey, it is safe to open hives freely. The combs are then carefully examined for indications of disease. Anyone who does not understand the symptoms and treatment of brood diseases of bees should write to the department of agriculture, Toronto, for a free bulletin on the subject. This watch for disease should never be relaxed. If taken in time, it can be cured without very seriously loss, but if neglected, it will ruin the whole apiary, going from one hive to another, and also jeopardize the other apiaries in the neighborhood.

During this spring examination the combs should have their frames scraped free of all propolis and superfluous wax, and be transferred, bees and all, to a clean hive. Be careful to keep them in the same order. Do not transfer combs from one hive to another, unless necessary to feed a needy colony, and then not unless you are perfectly sure you have no foul brood.

Watch out for the queen to clip her wing, and when all is in the fresh hive, it is closed, tho oughly scrape the inside of the empty hive, preparing it for the next colony

The record kept of each queen should show her age and apparent value, judging by appearance of the queen and the appearance of the brood and eggs, also the strength of the colony

When all colonies were all nearly alike ment in the winter, the queen may be held largely responsible for the very weak condition of some colonies in leads in the production of shingles, proin the fall, and received the same treatspring. The eggs of a good queen are uniform in size, and stand evenly in the cells, one in each. The brood is uniform as to age of larvæ. Where eggs or very young larvæ alternate with eggs or very young larvæ alternate with capped workers, or, worse still, where drone brood appears in worker cells, interspersed with worker brood, the queen is failing, and should be replaced.

At any time bees are short of stores in spring, they can be fed by filling the cells of empty combs with syrup, and hanging these combs in the brood chamber. This should be done in the

evening, to avoid robbing.

All the old honey should be converted into bees before the opening of clover bloom. This is done by uncapping some every week, and placing next to the brood, so the bees will handle it over and use it. It stimulates the queen to greater action, and gets rid of dark honey in the hive. Do not spread comes in bloom, every vestige of dark Splendid results obtained by using honey must be removed from the hives This is one of the most important things in the production of white honey

MORLEY PETTIT.

CANADA'S FOREST PRODUCTS

The forestry branch of the department of the interior has just issued its eighth bulletin, entitled "Forest Products of Canada, 1908." This gives the result of the first year's work by the branch in the collection of statistics regarding the annual production in Canada of lumber, pulpwood, poles and other wood products. The figures have been compiled by H. R. MacMillan and A. Gutches.

These statistics have been compiled from answers to circulars sent out by the branch to manufacturers in the different wood-working industries. While it is not claimed that they are complete, yet the figures they give seem ant to use that it soon finds a perto be the most comprehensive yet published.

forestry branch. The work is to be Chase's Recipes.

STATEMENT

Tells Her Suffering Sisters to Use Dodd's Kidney Pills.

They Proved a Blessing to Her When Her Pains and Weakness Were Almost More Than She Could Bear,

St. George, Man., May 23- (Special). -Hoping to save her sister women in the West from pains and aches which come at the critical times in a wo-man's life, Mrs. Arsene Vinet of this place has given the following statement for publication :

I have brought up a large family and have always enjoyed good health until the last two years. I am fifty-four years of age and at the critical time of life that comes to every wominutes at a time without suffering the greatest agony. Sometimes I awakened with a feeling as if some one had laid a piece of ice on my head. Another time it would be a burning pain under the left shoulder.

"I took many medicines but could get no relief, till reading of cures of similar cases to my own by Dodd's Kidney Pills, led me to try them. They did wonders for me.
"I want all women to know what

Dodd's Kidney Pills did for me. Dodd's Kidney Pills cure the Kid-

The woman who has sound Kidneys is safeguarded against nine-tenths of the suffering that makes life a burden to the women of Canada.

continued, and increasing familiarity with the work, both on the part of the manufacturers and on that of the branch will doubtless bring about greater accuracy and completeness in the The total value of the production of

in their order, Ontario, with a production of 223,533,000, valued at \$461,155 New Brunswick, 109,913,000 worth \$325,865; Nova Scotia, making 33,141,000, valued at \$69,370; Manitoba, turning out 1,125,000, worth \$3,150, and Saskatchewan, which produces 592,000 valued at \$1,363. The total production for the Dominion was 1,499,396,000 shingles, the aggregate value of which was \$3,101,996.

Baby Eczema Skin Irritations

DR. CHASE'S OINTMENT the greatest of healers

Thoughtful mothers are forsaking pore-clogging and unsanitary powders for the use of Dr. Chase's Ointment and find there is no treatment so effective for chafed and irritated skin, scald head and eczema.

This ointment makes the skin soft and smooth and ensures healthful natural action of the pores of the skin.

A trial of Dr. Chase's Ointment is usually enough to convince anyone that there is nothing like it as a beautifier of the skin and as a means of overcoming painful and annoying itching skin dis-

It is so pure and clean, so delightfully soothing and healing and so pleasmanent place in every home where its merits become known. 60 cts. a box, The work was new, both to the manufacturers and to the officials of the forestry branch. The work is a few to the officials of the forestry branch. The work is a few to the forestry branch. The work is a few to the forestry branch. The work is a few to the forestry branch. The work is a few to the forestry branch. The work is a few to the few to the

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so delightand so pleasinds a perne where its 0 cts. a box, Bates & Co., copy of Dr.

IRRIGATION OF SUGAR BEETS

A bulletin of the United States De tpartment of Agriculture, prepion exhe official in charge of irrigatared by periments, is a practical manual, givng methods pursued throughout the irrigated beet-growing sections. Furnishing as it does information to new settlers in irrigated districts, as well as suggestions to beet growers as to the practices in districts other than their own, should be of value in introducing the growing of beets and improving the methods of handling this As the matter now stands, each community where this industry has found favor is proceeding along lines suggested by local conditions, which are more or less peculiar, and this bulletin is designed to be a compilation of the practices throughout the West, to which are added the results of experiments conducted by the department of agriculture in irrigation of sugar beets during the past four years.

The results of these experiments all point to the advantage of the control of the flow to furrows by lath boxes or pipes. The slowness with which the water moves permits of its deep penetration into the soil, prevents waste at the lower end of the field, and the use of the boxes saves considerable labor after they are once installed. Yields are better also, due to confining the water to the furrows and not permitting it to wet the top soil next to the beets. The thorough saturation which it gives is far better and less costly than a number of lighter irrigations, which are given in some of the localities. The number of irrigations needed depends largely on the season and whether the beets are paid for on a flat-rate basis or according to the sugar content. If on the flat rate, more water is required, but it must be remembered that keeping the soil continually wet will reduce the tonnage instead of increasing it, as the results at Loveland during 1906 clearly show, while there is the danger of ruining the land by raising the water table and producing a swamp. The beets under such conditions will be slow to ripen, and there is the liability of their refusal by the factory, due to too large size and low sugar percentage.

If a contract calls for percentage payments it will require a more thorough and careful understanding and study of conditions, so that both good tonnage and high sugar content may be secured. As has been shown, the beets must ripen at the time of harvest so as to contain their greatest values in sugar, and the application of water must be such as to cause a continuous healthy growth throughout the season, so that the tonnage is not sacrificed. A contract of this kind is equally beneficial to the factory and the grower who exercises care and judgment in the handling of the crop, which results in better returns on the average than the flat rate contract. For example, a 17-ton crop at \$4.50 per ton on a flat rate would bring \$76.50, while if the same crop contained 17 per cent. of sugar it would bring, on the percentage rate, \$4.50 for 15 per cent., and an increase of 25 cents for each per cent. over \$5 a ton, or \$85, which is equal to 11 per cent more than the flat rate.

DODDER ON CLOVERS Occasionally dodder is procured in

This parasitic

clover or alfalfa seed.

weed causes considerable loss and special care should be taken to avoid in-

ist as a pest in a number of Indiana little stem sways about looking for a ble begins in circular "spots" which meg this weed in relation to farm crops. G. M. Frier, assistant in agricultural extension work at Purdue University Agricultural Experiment Station, says:

So injurious is declarate to avoid in its as a pest in a number of Indiana little stem sways about looking for a ble begins in circular "spots" which support, or a host, as it is often called, gradually spread out. Examine a control of dodder seed is such, that where the pest exists in the fields and is allowed to mature, the seed of it is sure to when it reaches a clover or alfalfa, a much branched, tangled mass be in the clover or if the clover it sends out little stem sways about looking for a ble begins in circular "spots" which gradually spread out. Examine a coherence of dodder seed is such, that where the pest exists in the fields and is allowed to mature, the seed of it is sure to leave or alfalfa, a much branched, tangled mass be in the clover or alfalfa.

per cent, of the samples contained dodder, of the pifalfa, 61.5 per cent, contained dodder. It is not usual to find dodder. It is not usual to find dodder in Agerican-grown white clover same time as clover seed. Much of it same time as clover seed germinates are reaches the ground. The seed germinates are reaches the ground. The seed germinates are reaches the ground the seed in the seed is exhausted, the dodder plant becomes a complete parasite, at first getting nourishment living wholly on the host plant. It dies at the ground, thus cutting off all specific the state.

A slender, delicate shoot appears. This connection with the latter. The troughlets are they seed in the seed is exhausted, the dodder are heavy seed producers. As the case of manufacturing the parasite, and the state.

The flowers and is meapable of manufacturing to the suite seed into the juice-conveying tissues of the clover or alfalfa. As soon as the food stored in the seed is exhausted, the dod-stored in the seed is exhausted. The flower same usually many, and the provided in the seed is exhausted, the dod-stored in the seed is exhausted. The

injurious is dodder to clovers be in the clover seed crop, if the clover it sends out little suckers which enter of lemon yellow, orange, or pink threads be in the clover seed crop, if the clover and alfalfa that the presence of dodder of them, where crops or in the seed of them, even in small quantities, should be a matter of much concern. Of the red clover seed examined to date in the clover seed and of the dodder in clover seed examined to date in the plants in the fields will prove, if unseed laboratory of the samples contained dodder in the per cent, of the samples contained dodder in the state.

be in the clover seed crop, if the clover it sends out little suckers which enter of lemon yellow, orange, or pink threads attached to the clover at many points the host wherever the dodder touches the host wherever the dodder touches. Here it is a where the damage from dodder comes only cling, but extract the juices, and hence the vitality from the clover or suitable host, branches extensively, are to a wall, only the suckers of dodder is where the damage from dodder comes only cling, but extract the juices, and hence the vitality from the clover or suitable host, branches extensively, are to a wall, only the suckers of lenon yellow, orange, or pink threads attached to the clover at many points the host wherever the dodder touches the host wherever the dodder touches the host wherever the dodder touches attached to the clover at many points the host wherever the dodder touches the host wherever the dodder touches attached to the clover at many points the host wherever the dodder touches attached to the clover at many points the host wherever the dodder touches attached to the clover at many points the host wherever the dodder touches attached to the clover or seed samined to date in the plants in the fields will prove if unit. The dodder once attached to a wall, only the suckers, much as attached to a wall only the suckers of lenonts attached to a step of the host wherever the dodder touches attached to a wall only the suckers, much as attached to a wall only the suckers of lenonts attached to a wall only the suckers of lenonts attached to a wall only the suckers

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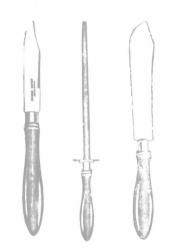
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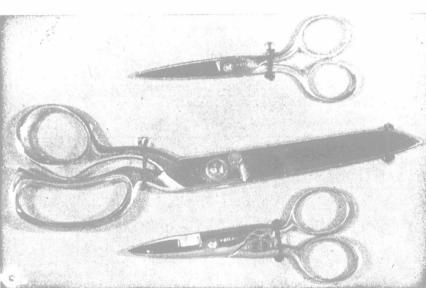
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