

Suggestions in Foal.

Oats, being a light, palatable and well-balanced feed, are by far the best being a bulky substance, is very important in the mare's feed because it keeps from overfeeding and is a good regulator. Barley is also a good feed and being more bulky than wheat is very much like oats in composition: times it is cooked and fed for

medical purposes. Timothy hay is used as roughage

for horses. Sudan grass is safe for mares in foal. If cut in early bloom. orchard grass is about equal to any of the grasses for hay. Clover is good, and possesses great fattening qualities, but owing to the fact that it is likely to be dusty, great care should be exercised not to feed it to brood mares. Corn fodder and straw are fed to idle horses in winter, but have not enough nutrition in them for mares in foal. Soybean hay is quite a nice hay, threshed or uneshed, and liked by most horses; but, never feed it if there is any sign of mold. Alfalfa is on excellent feed if it is fed once a day with timothy hav or corn fodder at the other times. Due to weather conditions it is sometimes not properly cured; then it should never be used to feed mares in crop was applied 15 tons per acre of There have been complaints foal. from farmers that it makes the kidneys act too freely, but if it does not was made during a five-year period make up more than one-half of the roughage it is not likely to be noticed.

The mare will be healthier, foal stronger at birth, and parturition will be easier if she is used at some slow work almost every day. If the mare is idle in winter, most of the feed may be roughage, but the ration should be increased when the mare is worked. The quantity of feed is determined by size and condition of the animaldroppings and whether the animal is easy or hard to keep .- M. W. B.

My experience in feeding mares in foal, which covers a period of over have the right kind of mares to breed and then feed them enough to keep them in good healthy growing condition, but not too fat, as a mare "hog is almost sure to drop a small and sometimes very weak foal.

I have fed nearly everything, but find oats, with a feed once a day of bright alfalfa or clover, about the best | yet. Any kind of roughage, such as corn-stalks or oat straw, will do in between the alfalfa or clover. I find alfalfa or clover takes the place of bran in keeping the bowels loose.

If the mare is working regularly, a quart of wheat shorts twice a day, mixed with the oats, makes a strong ration; but I would not advise feeding this if the mare is standing any length of time between working periods. If the mare does not foal until afte

the grass starts in the spring, turn a profit at a decreasing ratio, amounting in 1918 to \$6.14 per ton, in 1917 her out on pasture for at least part to \$3.74 per ton, and in 1916 to \$3.58 of the day, as I find that green grass, sunshine and fresh water are the best per ton of manure applied to the mangel crop. renovators for any horse, whether a

the bowels in good working order.

Not much trouble will be found in this way where alfalfa is fed, but do not feed too liberally as it will cause the grain for horses. Corn can be used if bowels to become too loose. By care-it only forms about one-third or one-ful observaton, the groom is usually half of the grain ration of the brood able to tell whether or not the feeds mare. When wheat is fed, it must be in small quantities and ground. Bran, quires, for if her coat is smooth and to pursue. One thing to be especially watching the small details and con-that the fur crop produces for the she continues to carry the same am-ount of flesh, not too fat nor too thin, the chances are she will bring forth a vigorous foal .-- D. H.

I find it good practice to give feeds rich in mineral matter. Oats, bran, lover and alfalfa are to be preferred.

A grain ration may consist of five parts ground oats, four parts wheat bran. and one part linseed meal, with bright clover or alfalfa hav for roughage. I find the above formula good. -M. B.

## The Value of Farm Manure.

While it has long been known that farm manure profoundly increases the yields of farm crops, definite information is scanty regarding the value of such increase expressed in dollars and cents. For ten years the Central Experimental Farm at Ottawa has been conducting experiments to determine the value of farm yard manure applied to the mangel crop, which was the first crop of a rotation consisting of mangels, oats, clove hay, and timothy hay. To the mangel farm yard manure. A comparison between the crops produced on this land with similar crops on unmanured land, that was in an equal state of fertility

when the experiment began. With mangels, the large labor ex-pense for hoeing and cultivating are the same whether the crop is large or ture of every province, either in persmall, while, of course, the prepara-tion of the land and the seeding of sentatives of all the principal packthe crop entail equal expenses. Only ing houses, attended a conference or in pulling, loading and hauling would the bacon hog industry, called by the much difference exist. With oats there Dominion Minister of Agriculture, whether fat or thin—the work it does, would not be a very marked difference and presided over by the Deputy sick or well, appetite, condition of the in the expense incurred in handling Minister of the Department, Dr. J. H. a large crop as compared with that Grisdale, at Ottawa on November 2nd required for a small crop. Hay, to and 3rd. After a thorough discussion greater extent than the two pre- of the present situation as regards vious crops, would necessitate more the bacon trade, grades and standards twenty years and several different expense for a larger crop, but the were adopted as follows and recomshows that it is important to proportion of total expense would not mended for recognition; (1) A select be very great on high-priced land bacon hog was defined as with jowl where rental charges are high.

In 1920, farm manure produced the from neck to tail evenly fleshed, side following increased returns per acre: long, medium depth, dropping straight an increased crop of 15.5 tons of manfrom back, ham full, good general fingels at \$2.88 per ton, worth \$44.64; ish, no excess fat, and weighing from an increased crop of 8.8 bushels of 160 to 210 pounds. (2) Thick smooth oats at 58 cents per bushel, worth hog, not conforming to Wiltshire \$5.10; an increased crop of 1.7 tons of standard but of smooth fleshing finish, clover hay at \$24.30 per ton, worth weighing from 160 to 210 lbs. (3) \$41.31. As the second year crop op Heavies, any type of smooth fleshing the unmanured plot was pastured and and finish, weighing 210 to 260 lbs. not cut, it was necessary to make an (4) Extra heavies, any type of smooth estimate of the increased yield in this fleshing and finish, weighing over 260 crop over the unmanured crop. This lbs. (5) Shop hogs, any type of has been placed at \$20.65 per acre. In smooth conformation, finished weight the previous year the increased value 120 to 160 lbs. (6) Lights and feed-

of the four crops amounted to \$77.51, ers, any type of smooth conformation, which gave \$5.17 for each ton of manure used. During each of the three previous years the manure gave any weight. (8) Sows, all females

#### **Breeding Turkeys.**

No. 1 sows of smooth finish and under With turkeys retailing at 58c and line up to 350 Hbs.; No. 2, all other oc and over per pound, it would suresows. (9) Stags, hogs that have been ly seem worth the while of breeders castrated and are well healed before to pay them every possible attention. being offered for sale. The packers Above everything, it is unwise to agree to pay a minimum premium of dispose of the best and to retain only 10 per cent. for hogs of the first class, the culls. This policy, if followed, as in order to stimulate the production in the case of every other species of of hogs suitable for the best quality ivestock, leads to depreciation of the bacon flock and a lessening of demand and

that have raised one or more littlers:

price. In fact, of recent years there Specializing in Poultry. has been a noticeable decrease in quality, if not in price to the consumer. One reason for/failures in the spe Inbreeding is another inadvisable cialized poultry business is the fact course. If a breeder is to get the that it is a mass of small details. Men ed by means of hunting and trapping, with the first market buy—and choose best, he needs to breed to the best, who can succeed in the dairy business. The statement is made by those who The introduction of new blood of a often make a failure with poultry be- have got into the statistic side of pelt sleek, the bowels in good condition and avoided is the selection of immature sider some very important parts of farmers of Canada nearly two millions hens for the production of eggs to be the work as rather fussy labor which of dollars each year. used for hatching. Hens, two years will cause no trouble if neglected.

> eggs can be hatched in incubators, re- to the small items and apply their sults reached at the Dominion Experi- tact and perseverance in housework do much better if brooded by the of their policy flocks. turkey hens. When the chicks are A poultry keeper h

> before wandering away and liberally cows of good producing ability and he in the evening to encourage them to return. Water should be available at rences, he has an equipment for the all times.

A ration consisting of equal parts of finely ground oats, commeal and a large flock of high-producing hens middlings mixed into a crumbly mass with boiling hot water or milk and and their best laying period is over fed a little warm is an excellent fattener for turkeys intended for the market. Separate those intended to be kept for breeding from those it is many of them to make a large and proposed to sell before commercing the fattening process, which should be started as soon as the weather threatens change in the fall. It is well for commercial breeders to confine themselves to one variety, as thereby they obtain a more uniform grade.

#### The Bacon Hog.

The Deputy Ministers of Agricula luxury, but soon found it to be a business proposition. In all, there are about fifty lights. We have one at the north and one at the south away, controlled from the kitchen. At

night these light the lawn and porches and by being a little distance away, and shoulder light and smooth. back all insects are attracted to the lamps and do not bother the porches. On the east and west corners of the barn there are large lights used only in emergency, and they are controlled by a switch at head of bed. A small

-M. C.

faults in your neighbor. No chance! This has ever been the excuse of weak men

We were so

# **Right After the Pelt Crop**

## A Profitable Side Line for Winter Time. By GEORGE P. GOODRICH.

There is a crop adjacent to or | without any care on our part, and is should prove profitable to the boys and young men of the family and even to "Dad" himself, if so he has

You may do all these things very

shape, not baited right, not rightly set. Of course, you can make this whole matter of pelt-production a

whole matter of pelt-production a mere incidental of the winter's work

and reap accordingly, a small reward.

Or you can get down to brass tacks

and by studying the habits of the prey,

closely inspecting trails and tracks

and spoor, dens and haunts; by having

the traps you need and in excellent

condition, by placing them wisely, by

inspecting them promptly and regu-

larly-win the game. No-not win it

either, for even then, unless you know

how to handle your prey after it is trapped, how to get the pelt without

spoiling it, how to stretch and other-

wise prepare it for the market, you

can easily lower its value if not lose

Everything operates according to law and the hunter who knows the rules

of the hunting game, or in other

words, the law, and meets that law,

will get the game. He is taking a poor chance whose knife is dull or

not the right size and shape, whose

hatchet is an old thing with hacked

edge and a handle liable to go back

on him when he needs it most. Poor

I saw a new word the other day:

I have a sister who traps with me

does what

trapperette. It made me a little mad.

and why she should be called an "ette"

I do not understand. She goes where

tools, poor workman.

There is no such thing.

it altogether.

Luck?

good

failed because it was not in

the time to give to it and has still Know your hunting ground and its retained enough of the snap of youth to get out of the rut of his daily work. I refer to the fur crop to be harvest-I refer to the fur crop to be harvestto harvest. Attention to Details

well irdeed and yet not make good for several reasons. Many a trap has

There are pelt-hunters of all sorts old, or even older, of good average size for the variety to which they with poultry than men because they belong, will lay eggs that will hatch are familiar with housework which out stronger and better poults than hens a year old or younger. While the not fitted to corn production, is bound to fail. If you live in a section where mental Farms proved that the poults to the management and development there are very few or no fur bearing animals of any kind, then why waste turkey hens. When the chicks are A poultry keeper has a constant time hunting for them? But in those old enough, they should be given a fight on his hands to develop new sections where certain of the furry sections where certain of the furry wide range of pasture or woodland. flocks of breeding stock. The dairy-tribe are plentiful enough to consti-They should be fed in the morning man can accumulate a nice herd of tute a real menace to the farmer, it becomes his duty to be rid of them and it is a duty which if fulfilled in-dustriously and intelligently will pay knows that, barring unusual occur-

dairy business good for several years. him for his time and effort. The poultry keeper no sooner obtains Furriers tell us the outlook of the fur market for the coming season, considered from the trapper's standwhen they reach an age of two years point, is excellent, and that right now and a new flock of pullets must be it is wise to get outfits into shape and

arrange the program. ready to take their place. The kinds of fur in demand this A hen is a small unit and it takes year are coon, mink, skunk, muskrat, profitable flock. The poultry keeper without experience who starts with opossum, fox. These animals are more or less common throughout Canmany birds is unable to quickly ada; more or less they are the farmer's enemies and take free tool of his understand their management. There is so much detail to the business that labor. Since their extermination is therefore more or less a necessity and it must be started on a small scale and built up as the knowledge of the since their pelts have a commercial value, the boys and men-and not inbreeder accumulates. It is possible to succeed with poultry as many are do

frequently the girls-have reason for ing, but no prospective breeder must a systematic search for pelts. assume that the work is easy if he Every boy knows-or should know expects to master the details and -that while these predatory animals ruin the peace of the poultry yard and would steal our Thanksgiving turkey-feast from under our noses, if Lighting the Farm Home. they could, still there are laws that About a year ago we installed an protect them in certain seasons and electric power and lighting plant. At laws governing how and when they the time we felt it to be somewhat of can be hunted

### Know Your Hunting Ground.

The first thing to do then is to Sir Skunk are thinking about and learn the game laws of the section spoil their thinks for 'emcorner of the house, about fifty feet of the province where you wish to has me pretty well buffaloed. trap. Copies of these can be secured trap. Copies of these can be secured from game wardens or from leading ly in value. Where formerly the anfur houses.

> home where you know the hills and hollows, streams and trails and hidieholes, well and good. If you want to actual hunting and trapping but in make an expedition far afield, then the fur market. Still, so long as fur you have the fun of locating the trap- is used, as it is now-and that will be ping ground and establishing your so long as there is fur-for warmth centre of operation. Perhaps most of and ornament, there will be selling the work will be done, however, right and buying, and since the fur-bearing around "the old home place" and then animals the whole family can have an active the farmer's family is the one that share in it.

Although the pelt "crop" grows of animals who prowl and prey.

## the Central Experimental Farm, Ottawa.

new, medium high-flavor cheese has been orginated by the Animal Husbandry Division of the Dominion Experimental Farms System. It is called "Meilleur Cheese," or "Le from- ranged in a building where very little

go, knows what I know, I do. She wears proper clothes for the job. She is a trapper, straight out, with no "ette" in the business. Indeed, when it comes to real agility, delicate skill, a fine sense of direction and a queer intuition that seems to make her know what Brer Rabbit or -well Sister nual catch of pelts was in the hun-

If you are going to work right at dreds of thousands, it is now in the tens of millions. Therefore, competition is keen, not only in the field of "live in the country" surely logically should profit by these pelts

Y

Ground oats are probably the best fattening food for poultry for market. Buckwheat comes next. For better results, fattening coops should be ar-

light enters and the food should be



A New Cheese Originated at |

age Meilleur,

What the Delta Junior Institute is Doing

plant is a blessing to the farm home

Don't strain your eyes looking for

## motor is used to run the washing machine, grindstone, sausage-cutter, grain-cleaner and sheep-clipper. There is a vacuum cleaner, which is a wonderful labor-saver and a sanitary way to do the work. A power and lighting

mare in foal or one that has been of ther raced out or worked out.

Another thing, allow plenty of salt. Have it where the mares can get it possible extent. For the five-year perat all times and do not forget to give some knicknacks once in a while, such apples, carrots, etc. If mares are In the stable, keep the stable clean. -W. Y

Mares in foal require a balanced ra tion. Simply filling them up on corn fodder or straw will not bring the desired results; the mares must also have some feeds which contain pro-

tein, such as alfalfa or clover hay and among fruits and vegetables, and it is to be the girls' social centre, where oats. A ration composed of straw and therefore interesting to note the recorn will not furnish the necessary turns from the different provinces of we meet at the homes of our memfood elements, for they contain only carbohydrates which alone do not yields of these given by the Dominion bers and enjoy one another's society carbohydrates which alone do not Fruit Commissioner. Dealing with We find that our membership is grow-make a balanced ration. Mares in foal apples first, British Columbia exports ing so large that we can no longer be require more feed than do geldings or mares not in foal. We allow our mares to run in the crop of 60 per cent compared with which will be furnished and maintain-

1920, or 960,000 barrels; Quebec, 35 ed by us, where we can hold stalk fields during the day if the to 40 per cent. of last year, or around regular meetings and entertain ou 35,200 barrels; New Brunswick about friends and other societies. weather is not stormy and then at night feed them some alfalfa hay and

**Apples and Potatoes.** 

Apples and potatoes are the crops

oats. Very little corn is fed to horses; 10 per cent in excess of last year, or a small amount is all right, but should 33,000 barrels; Nova Scotia 10 to 15 session after which we spend a social not be used as the exclusive grain per cent. in excess of last year, or hour in discussions and various kinds ration.

Toward the end of the gestation British Columbia's crop is about 75 says: "The reverence for the law eriod the mares require more feed per cent. of last year, or 1,800,000 should be breathed by every mother to period the mares require more feed than before, as the foal has now be-come of such a size as to require year, or 6,425,000 bushels; Manitoba, and we have completed a study of the more nourishment from the mother 90 per cent. of last year, or 5,115,000 and she must be fed more liberally in and she must be fed more liberally in order to keep her own system up, as year, or 10,783,000 bushels; Quebec, 75 per cent. of last year, or 28,225,000 well as to nourish the foal. Plenty of fresh water should be available for bushels; New Brunswick, 70 per cent. of last year, of 10,857,000 bushels; the mare at all times, and it should have the chill removed. Ice-water is Prince Edward Island, 80 per cent. of unhealthful for any stock and especi- last year, or 4,940 000 bushels; Nova Scotia, 50 per cent. of last year, or ally for mares in foal. A tank heater

can be used to take the chill from the 5,105,000 bushels.

Do not overfeed the mare. She The time taken for the current to should be kept in just moderate flesh, pass through the Atlantic cable be-tween Newfoundland and Ireland, a and when she is working her feed should be increased according to the distance of about 1,700 miles, is oneamount of work required of her. As fifth of a second, indicating a mean fooling this draws near, a laxative velocity in the cable of only 8,500 feed shows be fed, one that will keep miles per second.

The duty of presenting a report of a success. These experiments clearly show that the use of farm manure has a the activities of the Delta Junior Invalue in farm practice, and should stitute during the past year is a therefore be conserved to the fullest pleasant one.

Although on several occasions we iod from 1916 to 1920 inclusive, the have discussed the advisability of limfarm manure used produced an in- iting our meetings to one a month, creased monetary value on the four acres of land of \$391.29.

favor of meeting every two weeks have ruled, so we have 20 regular meetings to report, with an average attendance of 14. At present we have a membership of 22, which is an in that are in most general demand crease of eight over last year. Our Junior Institute is considered

the result of our sale that we im- tured at the Central Experimental mediately started preparations for a Christmas Gift Bazaar which, thanks

to the enthusiasm of the members of 90 degrees F. when it is renneted also proved a success.

nleased with

From our proceeds we donated lib and cut. The curds are then cooked at erally to the Navy League, Sick Chil-dren's Hospital, The Armenian Relief afterwards moulded and pressed, in Fund, Muskoka Free Hospital, and one and three pound sizes, ready for the curing room. The process of curwe saved the lives of some Chinamen. On several occasions we have sent ing is one of the most important feabouquets to sick friends. We consider of this high class product. our donation of \$20 towards educat-

This new cheese possesses a very pleasing and delicate flavor with no ing a talented young member of our neighborhood hardly worthy of menobjectionable odor, and has been protion, beside the time, effort and money spent by our Senior sisters in that nounced a very superior product by the numerous experts and connoisworthy cause which they have taken seurs by whom it has been tried. It

We are offering prizes at the Fall is a distinct and valuable acquisition Fair for the best pie and doughnuts to the cheese industry and the preand for the best fancy camisole, to be sent indications are that it will meet with a very popular demand. made by Juniors in each case.

On St. Patrick's Day, in the even ing, we Juniors gave an Irish party

which was enjoyed by all in the good old Irish way and at which we were the gainers of four new members. Early in May we spent a very

given in troughs. Mix the ground Farm, Ottawa. The process of manugrain thoroughly to a crumbly confacture is, briefly, as follows: The milk is heated to a temperature

and is being manufac-

dition with hot skimmed milk or hot water. Feed a little at a time; always keep the fowls a little hungry.

It will require about two weeks to fatten young chickens properly, and during the last half of this period, prepared fat should be part of the mash. It is best to cook this fat in tures in the successful manufacturing a portable kettle out in the open, some distance away from any building. Place rough fat in this vessel and cover with cold water to a depth

of about five inches. A quantity of this fat may be prepared at one time, as it will keep in good condition for weeks and can be used as required.

After the fat and water have been placed in the kettle, start the fire and let the contents boil for two hours, after which the fat will rise to the top This should be skimmed off into a pail, from which it can be poured into available pans.

A Whole County Advertises. If it pays a manufacturer to display When the fat has cooled for a few his name and wares on a big sign minutes, and before it has commenced board, why wouldn't it pay livestock breeders to follow a similar idea in to set, a cupful of cold water should pleasant evening entertaining our Senior Sisters. We had hoped to have be poured into each pan. The water advertising their livestock? will sink to the bottom and prevent Thus the fat from sticking to the pan.

the pleasure of entertaining our Disreasoned the Gage County Livestock Breeders of Nebraska. For a starter trict President, but were disappointed, If old hens are fed on a good pro however, we hope to have that pleathey planned a county wide advertisportion of this fat for three weeks be sure in the near future. In passing, ing campaign. They placed seven fore being killed, their carcasses will interesting and beneficial discussions may I say we have remarked on a sign boards on the main thoroughbe quite tender and juicy. provided on this study. At each meeting a paragraph in a past report of one of fares, where they could be seen and they are steamed before being lunch is served which adds to the the Senior branches in which they read by the travelers through the day in the oven brown the Senior branches in which they read by the travelers through the ed in the oven. offered a handsome quilt to the first county.

Young chickens should be crammed The boards are painted with a black by hand for about a week before being may be of interest to you to know background, with the lettering in butchered. Allow them to eat all they in securing a prominent space in the Chub and Junior Institute, we have are easily read. lets so that their crops are well stuff-The breeders of the county are ed. Ground oats made into pelleta our fancy as well as useful articles. wedding presents to our members; unanimous in their expressions of from two to two and one-half inches

out of this number we have eight on satisfaction for this method of ad- long, and dipped into warm milk or vertising. By pooling their orders fat, will easily slip down the throat

The Delta Juniors are looking forthey have already sold six carload To prevent their getting lodged at lots of purebred cattle and swine to the bottom of the neck, work the pelother states, not altogether as a result lets down with the finger and we surely of the sign-board advertising, but the thumb. About once every three days add a little fine grit to the food. boards have helped in many ways.

Juniors, all helped to make our sale will gain our objective.

Exhibition Hall, where we displayed had the pleasure of presenting 15

During the summer of 1920 our committee purchased material which was our roll. very skilfully converted into sale articles by our members. Many lib- ward to being able to present a better eral donations were made by the bus- report of our work for 1921-22, and ness men and frinds of the Delta since "unity is strength,"

Our meetings consist of a business

1,300,000 barrels. Turning to potatoes, of work. It is Ruskin, I think who Laws of Ontario and have had several

pleasure of all.

When we found we were in need girl married in the community. It of funds we decided to hold a sale at

our