Canada, showed an r 10 bushels per acre at half this may be ize of the fields and saying nothing of strains which have or five years since, gin of five bushels in r taking the above ars per acre over the

Dow Bros.

fested Farm

farmer do when his with weeds that half. veeds of one kind or ng in those circumitable returns, is one ious ways. The old as to go into mixed :ed" farming and our t of it as quickly as kind. Growing half nd of "mixed" farm-

weedy farm has this to clean the place up ne of farming that he on is :--how can this raising beef cattle, at to prove a profitable of dairy cows always ep cows means that cops, which of course f a man has a good olts each year, which,

le. Hogs, too, are To raise hogs we ring barley-if we do of weeds

ue in fighting weeds. generally pretty well We aim to keep one imothy all the time. leat again, it always as high as 40 bushels duable agent in the ied it for a few years ory results. If the a success with this hem and to the proerious drawbacks to e of seed.

ate for the old and e crop, more barley, w. Also the proper os that the most may ng of weeds and the r soil.

ırd Pan

zzling over the con-1, when we come to r inches on top that I, but the plow runs nto which we cannot

F. A. J.

y our correspondent s of the West, and is of grain year after them. By this plan, s vegetable fiber and as very little ability badly with the wind. ted to the locality ee years and it will er which, later on, his humus is full of er of soil moisture. er of grass roots, it

wind. ottom of the furrow depth at all seasons an recommended by that from the time should be gradually reached, which will enerally about six or uld be made in fall This enables the il before the seed is is made with spring surface a hard cold after harrowing and favorable conditions Vhen the maximum e plowed at varying deep and the spring d furrow sole being

S. A. BEDFORD.

DAIRY

No questions come to us more frequently than headway in our herds. questions along the line of milk and cream testing. We presume that the reason for this is that people in side by side, packed like sardines in a box, their Editor Farmer's Advocate: do not understand this part of dairying. They think heads held securely by rigid stanchions, has little to there is some mystery about it which they cannot understand, and that it is impossible for the layman to grasp the theory and practice of milk and cream test
The some mice day and note how many have their heads get eggs in the winter, I may say the first thing the animals are too.

The some mice day and note how many have their heads get eggs in the winter, I may say the first thing the animals are too.

The some mixed to darrying. They time heads need securely by figld stantenents, has need to be animals are too.

Having been asked by the editor of the PARM
to the property of th ing. If cows always gave milk of the same composition; if cream separators or gravity methods of creaming always produced cream of the same richness or putting on beef. I tie mine in double stalls eight feet wide and consider that none too much room for strain, and now that I have got one it is little or strain, and now that I have got one it is little or strain, and now that I have got one it is little or strain, and now that I have got one it is little or strain, and now that I have got one it is little or strain, and now that I have got one it is little or strain. or containing the same percentage of fat; and if all feet wide and consider that none too much room for two big cows, especially if they are heavy in calf. brains over testing problems.

The mine in double stalls eight careful selecting to build up my good laying feet wide and consider that none too much room for two big cows, especially if they are heavy in calf. If I were doing it over again, I would make single brains over testing problems.

Any old hen will lay a few eggs in the summer.

Feed For Dairy Cows

EDITOR FARMER'S ADVOCATE

February 10, 1909

I am thinking of going into dairying next fall. What kind of feed would spring rye make, cut for hay? I also intend growing flax, barley, oats and rye to chop and using straw and rye hay for rough feed. I want to grow all the feed required. As much infor-mation as can be given on these points will be appreciated.

COWMAN. fair hay, but is more readily eaten if fed green. allowed to become at all mature, it is very woody and

your cows? I followed that plan for years. My system was about as follows: For spring feeding, I first cut fall rye, which was fed three times a day as long as it lasted. This was followed by green oats, then clover, vetches, second crop of clover, corn cut the yard, but if not, they are put back in the stable every day as required until it reached the roasting and fed. In that case, they are turned out for water stage, when I cut and stooked it all and fed dry corn stalks until rye came around again. My summer cow pitching off the loads of green feed directly into this milking by lantern light for the first part of the winter. manger. I found that the cows gave large returns of But if you tried milking by daylight during the shortmilk when this plan was followed and only a limited area of land was required.

In this country I have found brome gives the earliest and best pasture, and if kept thinned out by an occasional plowing with a breaking plow, it will remain productive for a number of years. Timothy

Essex rape, or rape alone, but I have found this to of our most progressive farmers is to sow about a bushel or less of wheat on the partly prepared summer bushel or less of wheat on the partly prepared summer fallow and feed it off before winter. If the land is not in winter dairying is much greater with fresh cows. in spring before seeding, otherwise the surface will

S. A. BEDFORD.

Winter Dairying on a Pioneer Farm

EDITOR FARMER'S ADVOCATE:

asking what was the best course to pursue in a dischase high-priced, special purpose cows, and few of trict that was liable to be frequently hailed or frozen us have time for the first few years to care for these out. A few weeks ago, I noticed that you were asking hot-house plants. The winter is generally a busy for suggestions for the benefit of homesteaders. I time with us getting out building materials, firewood have had experience in a district where hail and frost and such like. A man who will not make the best of a up, are not much use to farmers' wives.

The writer started on a homestead some years ago by and by.
ith little capital and very poor health. He has been There are many things to discourage the beginner, with little capital and very poor health. He has been met our household expense and such like with the they do not make enough, and consequently give up. we aim to have returns the year round, in fact, find who is always boasting of the fabulous sums he the returns during the winter months the most satisfactory. Some months our sales of butter are not talk disheartens the new man, and he usually falls very large, but they always balance the outlay for to running down his own cows and wishing he had get suitable buildings before they try winter and they that although Ananias has been dead over nineteen but the longer they wait the longer they will have to hundred years, he still has a strong following. My Personally, I do not believe in too warm a stable, advice is to buy a small pair of spring balances, just so long as the droppings do not freeze, (unless get a pencil and note book and start out to do a little during one are invalidable to the property of the property fortable and feels smart. In a close, badly ventilated weight each cow's milk, weigh your cream before time comes round, they become fretful and unstable she is liable to go off her feed, at any rate, churning, weigh your butter. Note any difference easy, and the result is loss. The her appetite will be dull. You will find that the apin yield if the ration is changed, figure out just what the her house should be dry and not too warm; during an occasional cold night) a cow is quite competite of the cow in the well ventilated, moderately it is costing you to produce the butter. Study how just warm enough so that their combs will not warm stable will be first class from fall till spring. to increase the yield and lessen the cost of production. And not only her appetite, but as the little boy said Make a good quality of butter and put it up in neat about his father, her "drinkatite" will be all right, and attractive form. Try to sell to good advantage, scratch for it. Fresh air is a very difficult prob-

of ventilation is equally so, but it answers the purpose. I just leave some of the filling out from between the

joists, where there will not be any direct draft on any animal. It is an easy matter to shove a little hay or straw into the opening when a cold snap comes. I would emphasize these points, for when one reads of the ravages of bovine tuberculosis in other places, = it is well to be on guard and see that it does not gain

The prevailing custom of tying a long row of cows

stalls as they are much cleaner.

The problem of a balanced ration has to be practi-Much depends on the kind and quantity of seed available, but by juggling around a little and carefully noting results, one can generally make a good milking ration from the feeds found on the ordinary farm. I have found it best not to feed green feed too exclusively, have obtained better results by feeding hay once a day. The system we follow is somewhat like this: As soon as the fall nights get quite cool, we commence stabling those cows that we expect should that they get birds from a heavy laying strain. milk all, or at least part, of the winter and feed a little Spring rye cut just as the heads are forming makes green feed morning and night to each. They run out all day as we still have a good range around us, but the feed in the stable is increased as the grass drys off. cattle reject it. Spring rye makes very fair pasture During severe spells we keep them stabled all day, while it lasts, but the crop is not generally heavy. for fear of getting their udders or teats frozen. Once Could you not grow fodder corn? It is by far the the winter has fairly set in, we do not allow them too. and bed them afresh. After breakfast, we milk. That is between seven and eight. Later on, they are the house so that it will not be much trouble turned out for water. If the day is fine and warm they remain out to feed around the straw rack in again towards evening, and their night's feed put in the following spring. their mangers while they are out. Milking time is All the eggs from est of the winter days it would mean the morning milking about nine o'clock and the evening about four, and that division of time would be unequal. I always try to feed a little chop, even when feeding kno green feed, and if it does not constitute part of the fall ration, I give a liberal allowance of chop twice a day. comes next and Western rye grass last.

A mixture of one-third barley and two-thirds oats Many speak highly of a mixture of oats and dwarf has given me good results. Another important item, and one that is frequently neglected, is plenty of salt. taint the milk somewhat, and have always avoided We salt every morning and find it pays, the flow of it for milking cows. Another plan followed by some milk is heavier and the butter churns more readily

fallow and feed it off before winter. If the land is not in winter dairying is much greater with fresh cows. too heavy, this plan packs the soil about right, but But it is not always possible to have them fresh at the surface should be broken up with a cultivator the start, so one has to do the best with what he has. and try to arrange matters better for the next winter. bake and greatly reduce the amount of water in the Shippers and cows that will not be fresh till late in soil, this plan is not advisable for very stiff clay land. the following summer should be made to milk all winter if possible. They have to be fed a certain amount, anyway, and very little more added to that will make them pay their keep and likely a little more. Do not be afraid to start right in with the DITOR FARMER'S ADVOCATE: cows you have, whether they be good, bad or indif-Last fall, I noticed an inquiry in your columns ferent. Very few homesteaders can afford to purwere liable to occur, homesteaded in such a district, third rate cow would never make a success with a high and my experience may be of some use to others in a class one. If he looks after the third class cow, you thing to be thought of is, how are you going to may depend upon it he will have the first class one care for them?

twice hailed and once frozen out. We have always especially the inexperienced one, they usually think revenue derived from our cows. Consequently Another common cause of discouragement is the man There are those who are waiting till they those of the other man. It is always well to remember turnips or carrots, also any kind of meat you can practical experimental work on your own account. too. By babying a cow, one may get a little more If the local dealer will not pay enough, hunt around milk, but it costs too much in the long run.

for a market elsewhere. Get interested yourself,

LOCHINIVAR.

POULTRY

How to Get Winter Eggs

Any old hen will lay a few eggs in the summer, and many people think that because they do so cally solved by the individual dairyman himself, they should also lay in winter. But, to get eggs in winter in our cold climate is a very different

If our readers have hens that stop laying every fall after they have given them good care, it must be because they have a poor laying strain. In that case the best thing for them to do is to send to a breeder of pure-bred poultry and see

\$10.00 should buy a good pen of say, four hens or pullets and a good male to mate with them. Let them keep their other hens and make as much money as they can out of them as summer layers till they get a good start of winter layers from their new pen. The best plan, when spring best and most productive crop for feeding cattle, and is excellent for milk production.

Have you were considered the adventure of the winter has fairly set in, we do not allow them to comes, is to provide a small portable house for they will strike off with the young cattle. First thing the pen you have bought, and keep them right Have you ever considered the advantages of soiling in the morning, we feed, clean back the manure, away from your other poultry, unless you have suitable fencing. Keep them somewhere near

> to look after them during the hatching season. The first year you should be able to raise enough chickens from that pen to give you a good start

All the eggs from this pen should be marked stable was an open shed with manger running along immediately after tea, between six and seven. Some when gathered, and set them under a hen as soon the side facing the fields and it was very little labor may object to those hours for milking as it means as you get a setting of thirteen, but not before, as I never find hens sit well on any less or any

> When the chickens are a day or two old you can toe mark them, and in that way you will know all the chickens from your new pen in the

The next spring, after the pullets have been mixture of one-third barley and two-thirds oats laying all winter you will have no trouble in knowing your best layers. The best of the pullets should be put in a pen and mated up with a good cock or cockerel from a heavy laying strain. Send to the same breeder for your male bird to Looking at it from one point of view, the profit mate with them for you, and in a few years' time you will find that you are getting a nice income from winter eggs

I find that the pure-bred Barred Rocks are the best breed to keep in this country, and I am working for a heavier laying strain every year, as I know that is what the farmers want, when we have such a good market for fresh eggs in

So many poultry men tell me that I cannot produce standard plumage and good laying qualities in the same strain of fowls, but when find I can raise only correctly marked feathers, I will give up poultry raising, as I feel sure that feathers, without utility qualities to back them

After you have got your good layers the next

A laying hen must have a comfortable house and a good appetite all the time to do her best. I feed my hens three times a day, and give them all the skimmed milk and fresh water they want. They should have to work for their grain, and the simplest way to compel them to do this is to feed the grain in the sheaf.

They should have roots at noon-mangels, manage to get for them.

They must also have their food fed to them regularly. Hens have a better idea of time than you, and if they are not fed when the regular

lem in this climate, but no one need be afraid of My stable is only a primitive affair and my system get your wife and children interested and you will ventilation is equally so, but it answers the purpose. find dairying pleasant as well as profitable.

Using plenty of cotton screens on the south side of the buildings. The cotton allows fresh air to enter, and I am sure keeps out just as much cold