CHOOSING THE DAIRY HERD

The choosing of the sire is un doubtedly the most important factor in a constructive breeding policy. is the sire with his influence over the whole herd rather than the female with her limited sphere of influence that raises the standard of the herd when the choice is good, or lowers it in the herd is to take place, then the when the choice is a poor one. Not only is the sire the most important factor in a constructive breeding policy but he is, in addition, the most economical one. More rapid improvement in a herd could be made by the addition of high class females, but such a method requires much more capital than the average farmer has at his disposal these days.

In choosing a herd sire, pure-breed ing, size, type, character, individuality, quality, record backing and if possible, proven breeding ability are the main requirements that must be kept in mind. The successful buyer is the one who has the ability to know ar the above requirements, and the coursuch an animal is worth.

late that the animal must embody ed as soon as possible. some specific character such as a The best time to cull is during the they get heavily contaminated with many misfits as regards conformation which have started to molt and have in most breeds at present without per- stopped laying. petuating them. Size without quality is even less desirable than size with- acteristics or a combination of such out desirable conformation, for the characteristics should be culled as big, rough, coarse animal is rarely a poor producers: sick, weak, lacking good producer.

and milk record backing. In sizing breeds, poor producers also should the earmarks of an experienced vis- with visiting either, but we had sew should be remembered that the im- yellow beaks and vent. production records in the dam and the rather than on any one point alone. another home, so a few neighbors in "Many things are made possible honey and saw him there idling. two grand dams. If such records can It will be found that birds of the our locality decided to co-operate. through the co-operative training daughters they have sired. Such in- A moist mash, being stimulating, is or two. We were formal in our table she realizes that home effort is unitformation is now available for prac- of greater value at this-time as an service during the stay of these little ing with hers in teaching spiritual

Bone-Dry Crib Floors.

cement floor in the corncrib may be rat proof, but if constructed carelessly it will absorb moisture from the ground and cause the grain to mold. engine, transmission and the like on dations, and floors of this sort, the ed, as it not only preserves the metal concrete is mixed and poured directly from corrosion or rust, but it also upon the ground so that when the job makes them easier to clean and keep is completed rain or surface water clean and to work on. will be carried up through the porous! However, the job must be done cement in the same manner that ker- properly or the paint will not stick. osene is drawn up through a lamp First remove the battery or at least

To overcome any such possibility, avoid any danger from sparks, as the strips of tar paper should be employed, engine must be cleaned thoroughly in the building of the foundation with gasoline and a brush. Then go floors. A layer of concrete is poured over it again with hot water and a in the usual manner and smoothed good washing powder so as to wash carefully so that no sharp stones will off any traces of gasoline or oil. Then protrude. Over this surface the lay- rinse carefully with clean hot water an inch or so to cover safely every it is ready for the application of a square inch of the concrete. Several good metal paint which will adhere inches of concrete are added to com- perfectly. plete the work.

cult to provide accommodation for. Wherever these factors can be overcome, the purchase of such a proven fine range for gosings. A field prosire is undoubtedly a move in the right! tected by an evergreen windbreak will direction, for, apart from his desir- help induce them to range in the early ability as a proven sire, there is the spring when the days may be windy. added desirability of breeding from a mature bull which undoubtedly has its advantages. An important point herd sire must be of better quality than any of the other animals in the the herd is to continue each successive be placed rather deep in the young sire must be at least equal and preferably superior in all points to his immediate predecessor.

CULLING THE LAYERS.

be continued throughout the year and phur, one-fourth pound of epsom salts should include the elimination of hens and two ounces of powdered copperas that are non-productive, sick, thin, of to twenty-five pounds of their mash. ever, the whole flock should be given be given once each day, when the a careful and systematic culling. Each birds are quite hungry. animal with the proper combination of hen should be gone over carefully with the object of picking out and retaining the better producers and marketage of his convictions to pay what ing the others. At this time it is advisable to select hens that will be great carriers of putrefactive and as the seventy-five recipes, directions It is the experience of the Central needed. for breeders the following other contaminating bacteria. Hun- are given for canning, drying and Experimental Farm and no doubt of spring. These should be leg-banded dreds of thousands of these bacteria storing. many breeders that individuals in- and their eggs savd ofor hatching. may be found on one leg of a fly. Flies quiring re breeding bulls often stipu- The poor producers should be market- breed and feed-on manure and filth

specified color, regardless of his mer- latter part of August or the first part the putrefying bacteria present in its otherwise. In other words, they of September. Hens that show indica- such substances. Unfortunately, flies are following a fad. Color is not im- tions of laying at this time have as a will also feed on good human and aniportant so long as it is within the rule been the better producers for the mal foods, and when they settle on or cerned, such an orchard might stil requirements for the registration of year. Hens that have been good lay- fall into such material they naturally be put to profitable use and be less the breed. Pure breeding, size, con- ers during their first laying year are contaminate it with the bacteria that unsightly. First cleaned of dead trees, formation, quality and record backing generally the ones that will be the they have picked up from manure or brush and trash, it makes a fine place should be given first consideration. better producers in the second and filth on which they have previously for a few ewes and lambs. Not only The desirability of pure breeding lies third years. Good producers through- been. In the summer time they are will the sheep keep down the weed in the fact that a bull whose ancestors out the year should be retained for present in great numbers around growth but will thrive on such forage have been bred for many generations the next year regardless of age. Re- stables and manure piles and milk as blue grass, oats, rape, Sudan and for one purpose (milk production) is latively few hens, however, will prove houses, and it is very common for a the like, any of which may easily be more certain to transmit that char- to be profitable producers beyond number of them to get into milk. acter than one whose ancestry is mix- their second laying year, if they are Hence, as each fly is liable to have ed. Size for age is important, for, of the heavier breeds such as the Ply- hundreds of thousands of bacteria on grove or woodland is good for a truck other things being equal, the larger mouth Rock or Wyandotte, or beyond its legs, mouth and body, when a load of sheep every year, and a truck the animal the more economical the their third laying year, if they are of production. Size without the recog- the lighter breeds, such as Leghorns. the milking or handling process, the the old dumping ground for discarded nized ideal dairy conformation for the It is also advisable to cull thoroughly milk becomes badly contaminated. So farm machinery into a profitable corbreed-is not desirable. There are too during July in order to eliminate hens every care should be taken to keep ner of the farm.

Hens possessing the following charvigor, inactive, poor eaters, those that While an animal embodying the have molted or started to molt early, above characteristics in high degree those with small, dry, puckered vents, is to be preferred to one with these with small shrivelled, hard, dull color- poise of a young child who visited these little folks understand wondercharacteristics in lesser degree, never- ed combs, with thick, rigid pelvic in my home. She had been unexpect- fully well all the simple rules for theless he is not to be compared with bones and rear end keel, and small edly left by her mother who had been model visitors. an animal that has both individuality hard abdomen. In yellow-skinned called away suddenly. She had all "The co-operative plan did not stop up the milk records on a pedigree, it show yellow or medium yellow shanks, itor, although to my knowledge she ing classes where each child demon-

had never been out of town before, strated the making of a simple garportant records are those close up. In a good producers, when laying, When her mother returned I asked if ment. This idea of learning some-Too many animals are bought and the abdomen is soft and flexible, owing it had been home training that had thing first and then teaching the sold on the strength of the record of to its increased size, and there is less made her so careful, so observant, so method was very inspiring to them. the breeze on the end of a spray of to sleep again. some individual three or four genera- tendency at this time to put on fat. much a model visitor. tions removed. The influence of such As laying ceases, the abdomen be- "Oh, that is a result of our neigh- found that the group idea worked out he did not feel at all like gathering it was no longer dark in the flower. an individual on the value of the ani- comes smaller, feels harder. When borhood co-operative training," the well, and one mother's idea stimulated honey, for it was such sticky, hot The sun had risen, and its light penemal bought is so small that it hardly culling, remember to depend upon a mother replied. "You see there are others mothers' children to real en- work! His mother, Mrs. Busy trated the blue walls of his prison. merits consideration. Insist on high combination of these characteristics some things children learn better in deavor.

be obtained for individuals further smaller breeds lay very few eggs Occasionally one of us would invite plan. A cheery little group of chil back in the pedigree as well, so much after the molting period starts, week-end guests; these guests were dren who meet in a neighborhood fivthe better. In the case of the sires in whereas the general-purpose breeds the neighborhood children. They ing room to study the Sunday School the pedigree, some stress should be such as the Plymouth Rock, Rhode Is- were required to pack their own bags, lesson on Saturday night will put relaid on their breeding qualities as land Reds, Wyandottes and Orping- see that their clothes were in shape, newed zeal into the heart of a Sunand be prepared to visit for a day day School teacher the next day when represented by the number of qualified tons often lay well into the molt.

tically all the dairy breeds of cattle. emergency feed, that is, during the people and planned special entertain- truths. It may be possible in some cases to production decline, than when fed ment for them. In fact they were "The talent of one mother often purchase a proven sire, that is, one daily during the year. If a moist treated throughout their stay as real finds a quicker response when shared that has proven his ability to get mash has not been fed, it may be used company. calves, and possibly old enough to to maintain a higher and more steady "And you know children delight in tion in child training is a worth while have daughters that have proved lay during the summer and fall living up to an ideal. The training experiment as we have proved." themselves heavy producers. When months. Most poultry men prefer to was splendid for them and the sight. I felt sure she was right. As my such a bull goes on the market, it is give a moist mash feed at noon. The seeing trips we took about the town little guest bade me a cordial good-bye usually because it can no longer be regular dry mash is mostened to a were instructive. There was no let- she told me she had enjoyed her visit used in its owner's herd, and he, crumbly consistency, with either sour ting down of the company attitude "besides learning a new dessert." knowing the value of the bull, offers it milk, buttermilk or water. This sysfor sale for breeding purposes rather tem followed during the summer than for beef. Many buyers are diffi- months in connection with a reasondent about buying such bulls on ac- able amount of culling proves very count of their being vicious and diffi- successful.

> will remain as dry as when placed upon a flooring of boards or planks.

Painting the Engine.

It is a good practice to keep the In the general construction of foun- the farm tractor and truck well paint-

make sure to disconnect it in order to ers of tar paper are laid, lapping them and let dry thoroughly, after which

A floor of this kind, when finished, The farm premises can be made will be insulated against all moisture brighter; and cleaner by the liberal from below and grain stored upon it use of some good whitewash.

POULTRY.

Weak and stunted goslings often result from the efforts of the owner to keep them in small fenced enclosures where they will not be harmed by other farm animals. They often do well on limited range until a week or ten days old, and then some will stand humped up with drooping Bacteriology, Ontario Agricultural wings. Exposure to the hot sun may cause the same result.

An orchard where there is plenty of shade and fresh clover sod makes a

When the goslings become weak and throw their heads back and die in a short time it is probably due to conkeep in mind is that if improvement gestion of the brain caused by intestinal worms or indigestion. If the droppings indicate the presence of worms, try giving each gosling a halfherd. Similarly, if improvement in teaspoonful of turpentine. This can

bird's throat with a medicine dropper Two teaspoonfuls of castor oil will sometimes improve the digestive system of a weak gosling and cause it to return to normal. When a large number of goslings require treatment for Culling, generally speaking, should worms add one-fourth pound of sulpoor vitality. At some one time, how- The mash containing the medicine can

Bacteria From Flies.

of all kinds, and from these sources number of flies get into milk during load of sheep these days will convert

flies out of the milk. Manure piles, the breeding place of flies, should not be allowed near the milk house. Windows and doors of milk houses and stables should be screened, milk cans should be kept covered and every other precaution necessary to prevent flies getting into the milk should be taken, so says the Department-of College. Consult Bulletin 265.

Eat More Canadian Fruit and Vegetables.

"Eat Canadian fruits and vegetables while they are in season, and little relation between the size, costli- an attractive, prosperous farm home can, dry, and store the surplus for winter use," is the sound advice given in a book of recipes issued by the Dominion Fruit Branch. It also points out that Canadian-grown fruits and vegetables are conducive to health, and that greater and more regular use of them throughout the year would have a positive beneficial effect. It is further pointed out that Canada produces, cans and preserves more than enough of these garden and field commodities, unexcelled in quality, flavor, and attractiveness, to supply all the possible home demands, and that, is spite of this fact, the amount of these products imported is rapidly increasing. This increase is largely in the canned, dried and dehydrated fruits and vegetables, and it is in the hope of encouraging Canadians to demand and consume more of the products of their own country that the booklet, which can be had free on application to the Publications Branch, Dept. of Agriculture, House flies and stable flies are Ottawa, has been published. As well

Sheep in Orchards.

Many a once fine old orchard now a pitiful sight of dead trees tangled brush and weeds. Beyond redemption in so far as fruit is con-

An acre or two of old orchard;

with the child of another. Co-opera-

Home Education

Co-Operative Training - By Margaret Conn Rhoades

"The Child's First School is the Family"-Froebal."

THE FARM HOME ATTRACTIVE

Much Can Be Done Without Great Cost to Imprese the Farm Surroundings.

BY EARLE W. GAGE.

surroundings is not beyond the reach of any farmer who owns his home while several tenants have made their ness, or simplicity of a home and its is not needed so much as a neat and elevating to older folk and children well-kept appearance.

more to appreciate the value of home- will greatly improve an ugly house; a like and inviting surroundings as a pleasing house makes it far easier to background for family life. The ideal lay out an attractive yard. A house home is the reward for which we are with a poor yard, or none, is inhosall striving. Then, there is that pleas- pitable and forlorn. Both the house ure which comes to the family having and grounds must be kept in mind in home surroundings to be proud of. It planning. is an obligation which every citizen One of the surprising features owes his community to have his home about an attractive home surroundas attractive as possible. One little ings is that few people can describe it farm mother put the truth in a sen- when they have left it behind, wheretence: "Let the home beauty be its as, if we visit a homely and unattrac-

greensward about the house a a shel-| size: veritable garden may soon be de-led with trees and shrubbery.

The farm home is a combined resi- should have a good setting. the farm business is but a means to lawn. the home life, it is of first importance | 4. The trees and the smaller plants that the farm as a whole should make should be massed or grouped at the are the most important crop the mod- tered all over the place. the most important function of a farm fences, walks or drives. is that of supporting a good home. If | 6. There must be no curiosities conhome surroundings, many of the prob- piles or stones, odd rocks, or shells. ing the boys and girls on the farm.

The influence of farm environment The house being headquarters, this ably be planted near the farm home shaded corners.

The possession of attractive home to become a part of the background using trees for this.

The pleasant farm surrounding is vital, both for the present welfare of the individual home and for the future stay enjoyable by a few bushes here of country life. Wide-awake young and there about the yard. There is people will usually hesitate at leaving for uncertainties of city life. But consider the farm homestead as a whole. surroundings as compared with its at- It is not merely a question of a few tractiveness that may be given it by daisies here, fresh paint and new proper arrangement and careful up- porches, broad lawns or tidy doorstep, keep. Beauty is not to be measured but of having living places that, in by expense, and ornament of any kind their whole effect, are pleasing and

Farm folks are coming more and A well-planned and well-kept yard

tive farm home, we can usually give This is the proper spirit. The farm it a very vivid description. In planhome may be made beautiful by simple; ning farm homes, Professor Davies, of means. Neatness and orderliness come Cornell College, advises that there are first; these combined with a good seven points that we should empha-

tering growth of trees and shrubs, a 1. The place must be well furnish-2. The house should be prominent.

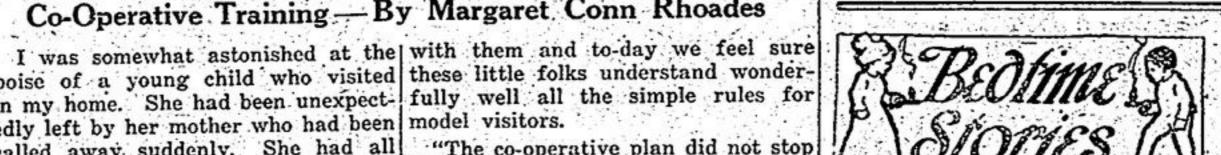
dence and business headquarters. As - 3. There must be an open space of

for pleasant home life. If children sides or at the rear rather than scat-

ern farmer raises, then it follows that 5. There must be no unnecessary

every farm child were in attractive spicuously placed in the yard, such as lems of life would be solved, and we - 7. The place must be neat and well would be facing the question of keep- kept so that it may look as if the residents gave it loving care.

has a subconscious but potent effect on should be connected with the highway children. Even while the barn is only and the surrounding buildings by a playground to the children, here serviceable walks and drives. It may be taught orderliness and thrift, should have an attractive setting. as also in woodlot, orchard, meadow That is the first and main purpose and field, all giving one grand ex- of the yard, by which is meant two ample in living object lessons of good distinct ideas: First, the house should farming. The orchards, while not have a background of sufficient primarily intended to serve as an growth of trees and shrubs to give it aesthetic purpose, may form the most a protected appearance; second, the beautiful part of the farm. An orch- setting should afford opporunity for ard of standard apples could profit outdoor life on the lawn and in the



Goldie Bumblebee and the Blue Flower.

Goldie Bumblebee sat rocking in They did this in cookery too. We goldenrod. It was a warm day, and When he woke up the second time Bumblebee flew by with a load of

> of a lazy bee in the Bumblebee family? If you do not bring home your share of honey to-night, you shall have no supper."

> "Yes, mother," said Goldie and stretched his wings slowly as he prepared for flight. "I'll go to work at once. Where do you think I can find the most honey?"

> "I should think there was enough right under your nose," she replied and hastened away to the clover field Goldie worked steadily for a time and then began to grow tired. "I think shall make a trip over to the pasture yonder," he said to himself. "I believe a piece of sky has dropped out or maybe there's a little pond there for I can see a big patch of blue."

Goldie sailed away in the direction of the patch of blue, and when he reached it he found that it was neither sky nor water, but made up of countless blue flowers, such as he had . The causic potash method of denever seen. They stood up very horning calves not only is the most straight and stiff in little groups, and humane but perhaps the easiest and the heart of every flower was protect- may be practiced without danger to ed by dark blue petals with silky blue the animal. The proper time to defringes.

look cool and pleasant down in the tons are easily located. depths of those flowers! I think I Older calves, having small horns, shall crawl into the biggest one I can may also be dehorned by this method. find and have a little nap. Then I but the operation is slightly more difshall feel more like work, and I can ficult and less likely to be as effective. finish filling my honey-pot before The hair should first be clipped from

the blue flower than he had thought. ped area to prevent burning of the The lovely silken petals protected him skin. from the sun and shed a soft light like . In case of the animal being only in a faint twilight.

so pleasant. The sun must have gone horn with a stick of caustic potash down, for it was very dark and he until it becomes white. could not find any way to get out of . If the animal has small horns the buzzed, but it was of no use. He could the fingers.

not get out of the flower. How he wished he had kept busy and filled his honey-pot as his mother had told him to do! If he had he would now have been safe and snug at home with the rest of his family. They could never find him away off in this pasture shut up in the heart of

He stopped buzzing and scolding at last and lay very quiet and even went

The blue fringes above his head began "Why, Goldie Bumblebee!" she slowly to unfold, and soon he saw a cried. "What do you mean by sitting tiny opening no bigger than the head there doing nothing? Who ever heard of a pin. It grew larger and a little larger until; with a great jump, Master Goldie pushed his head through the opening and found himself free.

.. Was there ever a happier young bee? He did not delay an instant, but flew home as fast as his gauzy wings could carry him.

You may be sure his family were glad to see him, for they had begun to be afraid that he was lost.

His brothers and sisters did not believe him when he told them of tho flower with fringes that folded itself up at night, but Mrs. Bumblebee said. "He is right. I know the flower well. It is called the fringed gentian."-

"I shall never go there again," promised Goldie. "Next time I will fill my honey-pot in the clover field and come right home with it."-Rose D. Nealley, in Youth's Companion.

Dehorning Calves.

horn is when the calf is from five to "My," Goldie thought, "doesn't it seven days old, at which time the but-

around the buttons or small horns It was even better in the depths of and vaseline smeared over this clip-

the button stage, scrape the button "This is pleasant!" breathed Goldie very lightly with a knife until the softly, and fell asleep. | blood oozes very little, moisten the When he woke up he did not find it clipped area with water and rub the

the flower. The silken fringes had coverings or caps of them must be retwisted themselves together tightly moved before the potash is applied. and Master Goldie Bumblebee was a The caustic stick should be wrapped prisoner. He buzzed and scolded and in paper or cloth to prevent burning



A photograph of Sir. Thomas Ward, who has arrived in Irak, with a technical staff, to commence work to stem the flow of the Diala River, so as to form a lake 400 miles square to aid irrigation. Copie, established a contract was entire to a contract of the