

MODERN BARN IS FARM NECESSITY

Type Shown Here Has Advantages That Will Appeal

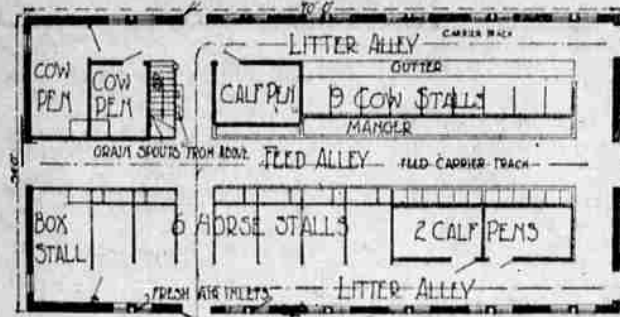
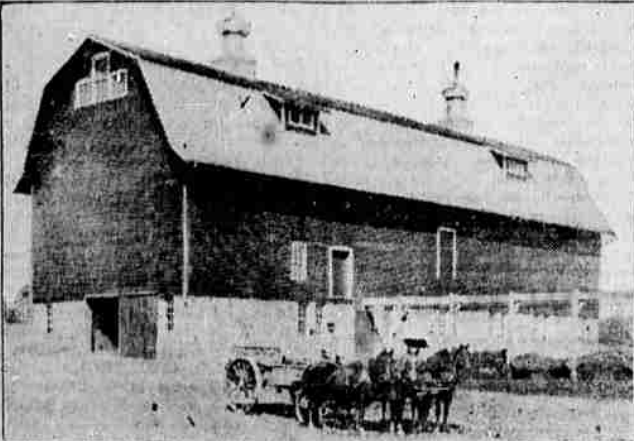
LATEST DEVICES INSTALLED

It is of General B. H. Frame, Construction With Hollow Tile Foundation and Will Accommodate Horses, Cows and Calves.

By WILLIAM A. RADEBOLD.
Mr. William A. Radford will answer questions and give advice FREE OF CHARGE on all subjects pertaining to the subject of building work on the farm, for the readers of this paper. On account of his wide experience as Editor, Author and Manufacturer, he is, without doubt, the highest authority on all these subjects. Address all inquiries to William A. Radford, No. 122 Prairie avenue, Chicago, Ill., and only include two-cent stamp for reply.

When planning a new barn the average farmer has to consider his limitations in the way of cost and utility. On the larger dairy farms the dairy barn is built for the exclusive use of the dairy herd and no provision is made for other animals. On the general-purpose farm, however, where the farmer has a small herd and also a few horses he generally wants a barn that will take care of both. The general type of dairy barn is needed with pens for horses. Such is the barn shown here with floor plans.

A light-colored looking structure, built of frame, with a substantial hollow tile foundation, it has been designed to accommodate nine cows, six horses and several calves. The roof is the familiar gambrel shape with modern



roof ventilators and roof dormers providing excellent ventilation for both lower floor and hay mow. Fresh air intakes located at the proper intervals along the lower barn floor furnish a continual supply of fresh air, while four air flues carry off the impure air which is so dangerous in buildings where animals are housed. While barns are built more for utility than appearance it is wise to make them appear somewhat attractive. This building is an excellent addition to any farm.

Modern barn construction lays particular emphasis upon interior arrangement and labor-saving equipment. These two points should be kept foremost in mind when designing the buildings. Upon them depends the efficiency of production and the satisfaction of both. That is why carrier tracks for litter and feed carriers have been installed in feed and litter alleys. The track running through the feed alley runs to the grain points at one end of the building. The carriers are filled from these points which are the grain bins on the floor above. The litter track carries each litter alley with the manure pit on the outside of the barn. These carriers have helped to lift a very heavy burden from the shoulders of the farm help and the farmer's boys who take an active interest. It is less likely that they will seek the alluring positions of the city if modern labor-saving conveniences on the farm make their work more pleasant and give them more time for amusement and pleasure.

All cow stalls, horse stalls, pens, etc., are divided off by modern steel stall equipment. The floor is concrete with sanitary manure troughs and gutters. Stanchions and water cups are an essential part of this barn equipment. At one end of the barn are the cow pens and box stalls. The effect of this sanitary and efficient equipment has been demonstrated in the increased production of the animals. Contained cows will not only produce a high-grade milk, but plenty of it. Drinking cups provide a continual source of fresh clean water.

First American Post System
The first successful postal system established in any of the American colonies was that of William Penn, who, in 1680, appointed Henry Waddy of Tekonny, to carry a post and deliver passengers with horses from Philadelphia to New York in the Gulf of Delaware.

which is an important factor in milk production. Because of the many factors entering into farm production at the present time, it pays the farmer to install the best equipment he can procure at the very beginning. While the initial expense is larger than if he had used old material, the results will soon pay for the difference in cost. Not only will he get better products, but more of them and at the same time he will be protecting himself against future desertion of the property which he has worked so hard to build up. The younger generation has become educated to the advantages of modern conveniences and if they cannot get them on the farm they will go to the cities and towns. Unfavorable conditions heretofore have been largely responsible for this exodus which threatens the very foundations of our rural order. Progressive farmers have learned the lesson of well-built buildings and modern equipment. In time all of the farmers will demand the best buildings and the best equipment.

OF INTEREST TO TRAVELERS

Brander Matthews' Suggestion of a "Guide Book to the British Isles" Is Worth While.

Among the "general hints" prefixed to the English version of Brander Matthews' "Guide to the United States" there is to be found a cautiously selected glossary, to enable the wandering Briton to translate the unaccustomed Americanisms he is likely to hear into the corresponding Britishisms with which he has always been familiar. And there ought to be a similar glossary in the "Guide Book to the British Isles" for the benefit of the voyaging American, writes Brander Matthews in Scribner's.

We may assume that this Brander Matthews glossary was prepared by Mr. Philip Head, an Englishman long resident in the United States. It catalogues about

LIVE STOCK NEWS

INCREASE LAMB PRODUCTION

Sheep Can Successfully Be Raised Without Danger of Stomach Worms or Other Parasites.

(Prepared by the U. S. Department of Agriculture.)

Specialized sheep farming, in which forage crops were used for the summer pasture, and a study of the relation of nutrition of ewes at breeding time to the percentage of lambs produced were included in the experimental work conducted last year by the United States Department of Agriculture at the government farms at Beltsville, Md., and Middlebury, Vt.

Data were obtained relative to the comparative results with sheep raised on different forage crops and the gains made while pasturing upon them. It was demonstrated that with the frequent rotation necessary in



Sheep Club Member and His Pet.

pasturing forage crops, sheep could be successfully raised without danger of infection by stomach worms or other internal parasites. Experiments in the last four years to test the effect of feed at breeding time upon the size of the lamb crop have shown an increase of 18.8 per cent of lambs produced by increased nutrition of ewes during mating season for both Beltsville and Middlebury. This is an increase of 25.9 per cent in the Beltsville flock and 8.55 per cent in the Middlebury flock.

In experiments with 120 Western ewes at the Middlebury farm to test the effect of running sheep in permanent pasture upon the growth of weeds, and the carrying capacity of the fields, it has been demonstrated that sheep are benefited in cleaning pastures of weeds, but that it must be accomplished gradually and should not be overemphasized as a reason for engaging in sheep raising.

NEW BREEDS OF LIVE STOCK

Columbia Sheep Are Particularly Adapted to Range Conditions—New Type of Horse.

The United States Department of Agriculture is developing types of live stock believed to be more useful than some now represented by present breeds.

Range sheep breeding conducted in Clark county, Idaho, is resulting in a type which has become so fixed as to warrant its classification as a breed. These sheep, known as Columbia sheep, are particularly adapted to range conditions and are believed to be profitable both for mutton and wool production.

A new type of American utility horse is rapidly being established in cooperation with the state at Buffalo, Wyoming. Among the characteristics of the type—possibly entitled to the term "breed"—are activity, strength, endurance, and reasonable speed. The horses are believed to meet a demand for general farm and ranch work, delivery purposes, and for certain classes of military service.

Poultry breeding at the bureau farm, Beltsville, Md., shows progress in the establishment of a new breed of fowl. Certain characteristics, such as white plumage and yellow legs and skin, are now well fixed, but there is still considerable variation in the type and in color of eggs. The birds developed this year show improvement over those of a year ago.

JOINT OWNERSHIP OF SIRE

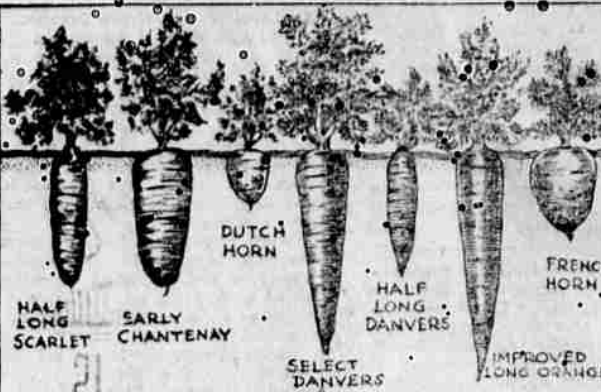
Nebraska Live Stock Owner Lists Among Other Purebred Fractional Ownership of Jack.

Enrolling recently in the "Better Stock Better Stock" movement, a live stock owner in Fillmore county, Neb., listed in addition to female stock, one bull, three hares, five rams, and one half interest in a turked Kentucky jack. The fractional ownership of purebred sires is common, the Department of Agriculture has found, among persons desiring to improve the quality of farm live stock, but who have an insufficient number of female animals to warrant owning purebred males in all classes. Fractional ownership of one purebred male is much more desirable than the complete ownership of several cross or grade sires.

The Number Isn't Limited
"One can get a lot of enjoyment out of a small place of misadventure," states a ship writer. So can two—living in London.

Want to...
...from Dead...
...the favorite poison used by the Australian bushmen in warfare is obtained from certain portions of a...
...treating corpse. It is said that a man...
...with a war-shaft poisoned with this...
...of stock...

THE HOME GARDEN



The Carrots Progress

SCALLOPED CARROTS AND ONIONS.

If you have never met this dish, you have a treat in store. Boil six fine-grained carrots and the same number of medium-sized white onions until tender. Do not scrape the carrots and they will retain their flavor; do not cover them and their color will be preserved. Use only enough water to keep them from burning. Peel carrots when done and cut or dice into small pieces and cover the bottom of a baking dish or individual dishes. Sprinkle with crumbs, a little salt and pepper and dots of butter. Then a layer of onions treated the same way, and another layer of carrots until all are used. Moisten with a cup of fresh milk into which an egg has been stirred. Spread a layer of crumbs over the top, dot with butter and bake until brown and the custard has set.

In boiling young carrots, their flavor is greatly improved by the addition of a little sugar to the water in which they are boiled; the addition of pepper corns and a leaf of parsley. The sugar adds to the flavor because the young carrot has not attained its natural sugar content.

Yankee prejudice against the carrot as "cow fodder" and the idea that only a fool muskrat which will travel for miles overland to get caught in a trap baited with a carrot can get very enthusiastic over this vegetable has been so thoroughly dissipated that carrots are now a regular staple in all markets and an almost indispensable article of cookery.

They now even put them in Irish stews despite the hostility of their complexions. The delicacy of young carrots is fully appreciated and the flavor of the mature vegetable in soups and stews is regarded as almost indispensable with present-day cooks. New varieties of carrots are being introduced from time to time and there is now almost as great a variety in the size and shape as there is in the radish. Early, late and mid season varieties in short stumpy roots, oblong roots, long tapering roots and intermediate shapes and sizes all with some quality or other to recommend them are found in catalogs.

Sow carrot seed and radish seed together by way of experiment, if you have never tried it. The radishes will be up a long time ahead of the carrots, which are slow germinators, and the more ambitious radish will have the soil broken up to ease the way of the infant carrots to the surface. By the time the carrots need space the radishes will have been pulled and eaten.

If your garden has light sandy soil, the carrot has an ideal situation provided there is plenty of fertility in the soil. It delights in light, firm soil, but it will grow anywhere else very well, provided the soil is well drained and cultivated. For the finest and tenderest carrots, it is necessary to irrigate in the hot, dry weather. The extra tenderness due to this care will be very noticeable.

Carrot seed may be sown as soon as the ground can be worked and at intervals until into July for successive crops of young carrots. It may sow for the main crop of fully matured roots. Give a foot and a half between rows, with the plants from 3 to 5 inches apart in the rows.



F. L. LILLY HARDWARE

according to the size wanted. A heavy growth of weeds is sure death to the carrot when it is just getting a start. As a rule, short, thick-rooted carrots are best for the early crop with the long and half-long varieties for the mature root crops.

PREVENTATIVE MEDICINE.

The tendency of medical science is toward preventative measures. It is easier and better to prevent than to cure. Pneumonia, one of the most dangerous diseases that medical men have to contend with, often follows a cold or attack of grip. The cold prepares the system for the reception and development of the pneumonia germ. The longer the cold hangs on, the greater the danger. Take Chamberlain's Cough Remedy as soon as the first indication of cold appears so as to get rid of it with the least possible delay. It is fully to risk an attack of pneumonia when this remedy may be obtained for a trifle—adv.



See Tomorrow's Paper



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United States National Bank



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