

# GOOD BARN FOR THE DAIRY FARM

Accommodates 30 Cows and Mow and Silo Hold Feed.

HAS LABOR SAVING DEVICES

Modern, Sanitary, Well-Ventilated and Conveniently Arranged Cow Stable Is a Good Investment for Any Farmer.

By WILLIAM A. RADFORD.

Mr. William A. Radford will answer questions and give advice FREE OF COST 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. 1827 Prairie avenue, Chicago, Ill., and only inclose two-cent stamp for reply.

While consumers have been complaining of the increased cost of milk, the lot of the producers has not been a bed of roses. High prices of feed and the greatly increased cost of labor are two factors that have made milk and the other dairy products cost more.

There is one way in which dairymen can reduce their costs of producing milk. That is by cutting the labor cost. That can be done by conducting his operations in a modern building—the barn.

Experience has taught dairymen the value of a modern, sanitary, well-ventilated and conveniently arranged cow stable. One observer on a recent trip through the middle west remarked on the number of barns that were being built. That is not surprising when it is considered that the modern dairy barn will save 30 per cent in labor costs, and increase milk production from 10 to 20 per cent.

One type of the modern dairy barn is shown in the accompanying illustration. Here is a frame structure, set on a masonry foundation that is only 30 by 72 feet in dimensions, but will house 30 milking cows and enable the owner of the herd to do the work necessary in caring for the animals a great deal more quickly and with a smaller number of men. It is so de-

signed and constructed that the cows will be healthy and more productive. In exterior appearance this is a good barn. It has a gambrel, or roof with broken lines, and is attractive in appearance. Adjoining is a silo, 42 feet in diameter, of hollow city building iron, wherein is stored the winter's supply of fresh feed for the cows. Above the stable is a roomy mow for hay and other roughage.

The floor of the stable is of concrete with steel mesh protrusion. At the foot of the stable, along either side of the litter alley is a gutter, which is a drain, making it an easy matter to flush out the stable. It is a profitable plan to have the drain connected with a sewerage tank for liquid manure.

Nothing and fresh air are two things that nature provides that cows need indoors as well as out. At the same time there should be no drafts on the animals, especially in winter. This barn is equipped with a modern ventilating system. In the side walls and following the slope of the roof are ventilator shafts that are connected with the suction ventilators on the roof. These ventilators suck out the hot air through the ventilating

shafts, and keep the air in the stable sweet and clean. Seven windows on each side of the stable permit the entrances of sunshine, which helps to keep the stable sanitary. When it is considered that fresh water is one of the necessities for healthy, high-producing cows, it will pay every dairyman who has a herd of any size to equip his barn with running water connected with automatic drinking cups at the stall heads. How much water a cow will drink when it is available, is shown by a 24-hour watch that was kept on a stable containing 21 animals. There was not a minute in the 24 hours when one of the animals was not drinking. Tests also have shown that a continuous supply of fresh water in the stable will increase the flow of milk 10 per cent.

Such a barn as this is not expensive to build. Costs, however, vary in different localities and it is not possible to give figures on the cost of construction of this building. A consultation with the local contractor and lumber dealer will bring an estimate. This should be done at once, if the barn is to be finished by the time the herd is brought into winter quarters. Such a barn as this is a good investment on any farm where special attention is paid to dairying. It will save its cost in a few years in the saving made in labor and in the increase of milk production. To save labor requires that the labor saving barn equipment be installed.

Costs of material that go into buildings have been greatly reduced during the last few months and a better supply of lumber and other materials now is available. A visit to the local material dealer and the contractor will show that this is a good time to build, whether a new barn, home or any other farm building is needed.

### FINDS LONG-SOUGHT SECRET?

Woman Said to Have Discovered the Tree That Produces the Cacique-Carey Wood.

Since Columbus crossed the ocean blue the world had sought in vain, until last year, for the tree that produces the cacique-carey wood, which wood, though few of us have learned the fact, is one of the strongest, most durable, most beautiful woods that botany can boast, says the New York Evening Post.

When Christopher visited Central America local "caciques" or Kinglets

## THE RAILROADS ARE DOING THEIR BEST

### But Time and Enormous Expense Will Be Required to Restore Pre-War Efficiency.

Philadelphia, Sept. 27.—Although there has not yet been time for the benefits of the Transportation Act to be of material assistance to the railroads, some of the larger systems are anticipating the future by proceeding at once with marked improvement of freight and passenger service.

This improved service, however, cannot be had as if by magic. It will require time to secure engines and more cars, and to construct additional and enlarged facilities. Much hard work confronts the railroad managers before the transportation machine can be put into complete repair so that it can meet the demand placed upon it by our ever growing industries.

More locomotives and freight cars are the primary demands to today's transportation situation. To meet these demands several very extraordinary orders have been placed with the big equipment producing concerns. One definite instance is the Union Pacific System which has just purchased 102 locomotives, including 19 Mallet, 16 Mikado, 10 Pacific Type, and 30 switching locomotives; 6169 freight cars, and 72 passenger cars.

Part of this equipment has already been put to work. All of it will probably be in use within the next 60 or 90 days, and every reasonable effort made to move all traffic offered even before that time.

Left to their own initiative for a reasonable time the big railroads will demonstrate the wisdom of the Congress in restoring their property to the control of the owners.

### TO KEEP YOUNG

Keep in the sunlight; nothing beautiful or sweet grows or ripens in the darkness.

Avoid fear in all its varied forms of expression; it is the greatest enemy of the human race.

Avoid excesses of all kinds; they are injurious. The long life must be a temperate, regular life.

Don't live to eat, but eat to live. Many of our ills are due to overeating, to eating the wrong things, and to irregular eating.

Don't allow yourself to think on your birthday that you are a year older and so much nearer the end.

Never look on the dark side; take sunny views of everything; a sunny thought drives away the shadows.

Be a child; live simply and naturally, and keep clear of entangling alliances and complications of all kinds.

Cultivate the spirit of contentment; all discontent and dissatisfaction bring age furrows prematurely in the face.

Form the habit of throwing off before going to bed at night all the cares and anxieties of the day—everything which can possibly cause mental wear and tear or deprive you of rest.—Chicago Daily News.

### MATERNITY HOME

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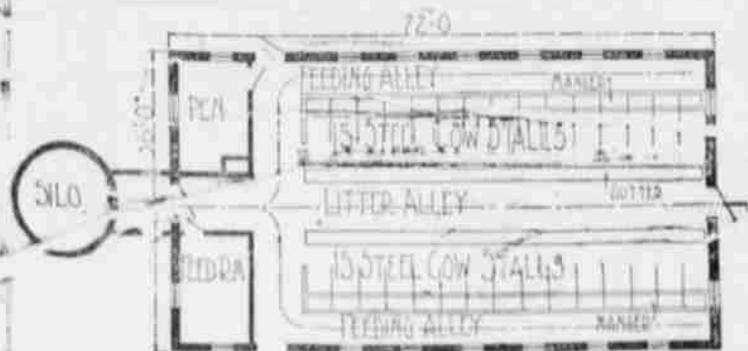
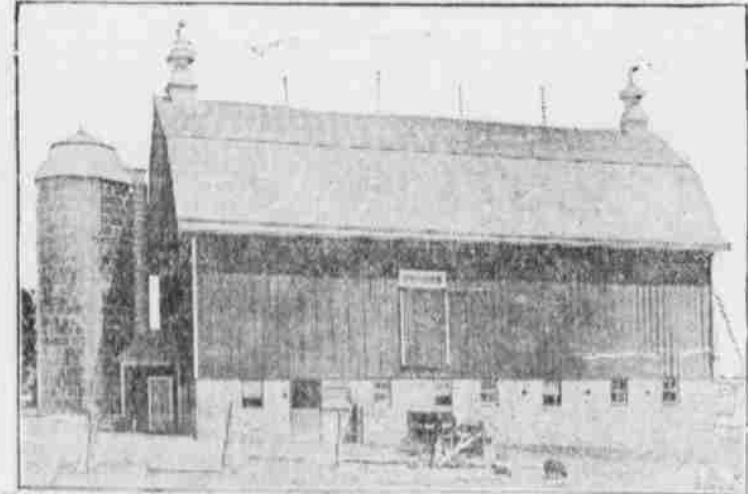


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# Central Market

McNAMER & SORENSON, Props.



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were widdling scepters made of "cacique" wood called "cacique-carey," or royal turtle wood, later, because of its resemblance to the mottled shell of a sea turtle. It was dark red wood harder than mahogany, but it could readily be worked. It would not crack or warp. It exhibited remarkable strength without brittleness and it frayed refused to decay. But it appeared only as the heart wood of decayed trunks, which the natives would not or could not identify.

English and American curiosity discovered the secret three months ago, when Mrs. S. F. Vernon of Cincinnati, in the sand bars, asked her husband for the name of an impressively looking tree in a Panama village. An experienced husband by dint of an answer promptly "cacique-carey," but as a curious footnote he explained the strategy with a knife and he found within his center the suspicious "cacique-carey."

### Into Unknown Australia.

An extraordinary party, representing a West Australian railway league and the Commonwealth government, has been traveling in the Northwest and far north of western Australia. Some idea of the immensity of this little-known corner of the Commonwealth may be gathered from the fact that the party covered 1500 miles by steamer along the coast, thence by a motorcar traversed 1000 miles of country. A vast belt of country was found stretching eastward from the Liverpool ranges into the northern territory, capable of carrying 20,000,000 sheep if opened by railway. In the driest season on record not one lamb of pure condition was seen by the party, a striking proof of the richness of northern Australia.

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