



Bread Like Mother Used to Make

You can have it if you use our famous

WHITE STAR Flour

For Your Baking

We have just received a car load of Spring Beardless Barley for Seed

We pay highest cash prices for Hides, Pelts and Furs

Heppner Farmers Elevator Co.

MODERN DESIGN FOR DAIRY BARN

Arrangement Will Conveniently House 24 Animals.

PLANNED TO SAVE LABOR

Winter Home for Dairy Herd and Storage for Their Feed Keeps the Cows Healthy and Production High.

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. 127 Prairie Avenue, Chicago, Ill., and only include two-cent stamp for reply.

Dairy barns that are being built on up-to-date farms are a great deal more than shelters for the animals and a place in which to store their winter's supply of hay and other forage. They are modern farm factories for the efficient and economical production of food.

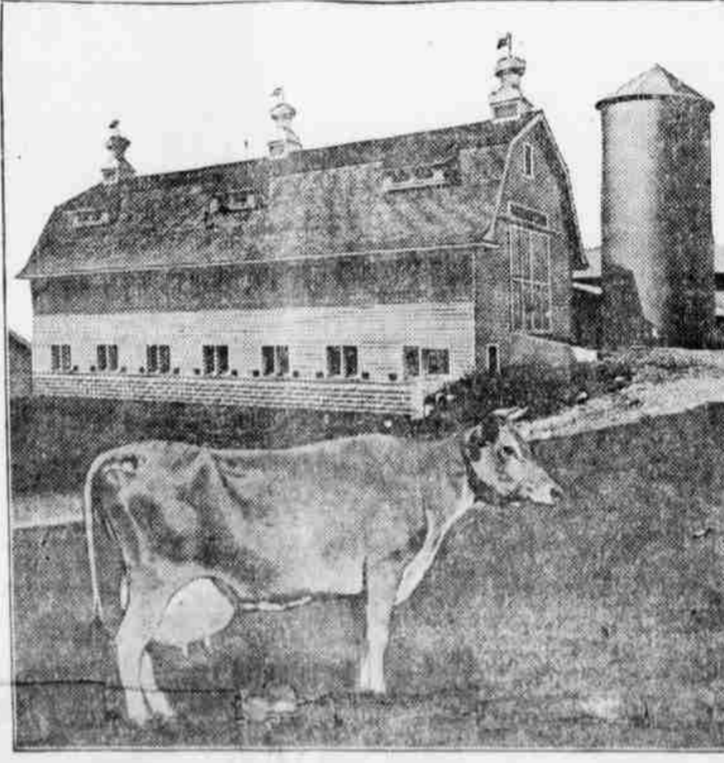
The dairy industry has made some rapid advances during the last few years. It no longer is a "side line" on the farm, but a profitable and important part of the farm work. And well

make cows productive—fresh air, plenty of fresh water and good feed. The latter is supplied in part by the silo shown at one corner of the barn. This silo has a capacity ample to keep the cows in fresh, green ensilage throughout the winter. Fresh water, fresh air, good feed and comfort go a long way toward increasing the dairy farm profits.

Labor has been and will continue to be a large item of farm expense. Wages are high and men hard to get. But in the modern dairy barn a great deal of labor is saved by its equipment. The floor of this barn is of concrete, with gutters at the rear of the stalls. These gutters collect the manure, from which it is forked to the carrier that runs on the overhead track, shown on the plan by dot-and-dash lines. The carrier is a great barn labor-saver. It not only removes the litter to the manure pile or shed at the back of the barn, but conveys the feed and forage to the stalls. After the litter is removed the gutters are flushed and the barn is as clean as most cellars.

Plenty of windows to admit sunshine are also shown in this plan. Sunshine is valuable in the dairy stable, not only for its warmth but also for its germ-killing quality. The windows allow the sunshining to strike the litter alleys and go a great way toward keeping the stable free from disease germs.

This is a modern home for cows—one that keeps them comfortable and productive. A cold cow is an uncomfortable cow, and most of the feed she consumes in a barn that is not weather-tight goes to supply warmth for her body, rather than to the production of milk. Fresh water, it has been proved by test, increases the flow of milk as much as 10 per cent. By combining



It may be, for the prices now secured by the farmer for milk and butter and the by-products, such as cheese, make it well worth while to conduct this part of the farm activities in an economical, efficient and extensive manner.

The first requisite for the economical conduct of the dairy business is a weather-tight, modernly equipped barn. Cows spend more than half the year indoors, and it is during the time they are in the stable that the best prices are secured for their products. The greater the production at this time, the greater profits the herd will show at the end of the year.

Illustrated in connection with this article is one type of the modern dairy barn. This is a plank frame structure, 20 by 60 feet, with the cow stable in the basement. The grade entrance leads to the first floor, which is used for the storage of farm vehicles and machinery, and above is the mow for the storage of hay and other forage.

This barn is constructed so that it will be weather-tight. The cows will be kept warm and comfortable during the coldest of weather, and at the same time, will be supplied with plenty of fresh air, and the stable will be clean and sanitary. Three suction ventilators are located on the roof of the barn. These ventilators are connected

with ducts in the "dairy products factory" production is increased and the labor cost is decreased.

All of the advantages named make a modern dairy barn a profitable investment. And the sooner the barn is built, the sooner the extra profits will be reaped by the owners of dairy herds.

Problem for Inventors.

How can the captain of a dirigible balloon know his altitude? Is a problem that Cave Brown-Cave put to the British association for solution recently. The barometer is generally used, but as it registers the sea-level air pressure only of the point of departure, and as the balloon is moving at 60 or 70 miles an hour, it may be quite wrong after being up for a short time. A captain recently thought he was fully 300 feet up when actually he was almost touching the water.

If World's Diamonds Were Gathered.

If all the diamonds mined in history and existing today as cut and polished gems were gathered from the ends of the earth they would form a pile about as large as a wagonload of coal dumped on the sidewalk, says a Chicago statistical expert. The pile would contain 46,255,474 carats and the gems would weigh 10 1/2 tons. If



with double lines, and show the passage air out of the stable and show it to be replaced by fresh air.

The floor plan that accompanies the exterior view of the barn, shows how the stalls are equipped so that the work of caring for the herd can be done quickly and with less labor. The stalls are ranged along the sides of the barn, with the rows facing in. Each of the 24 stalls is divided by a steel wall partition, while at the manger head there is a continuous concrete manger, also separated by steel partitions. At every other stall head there is an automatic defeking box that supplies two animals with a continuous supply of fresh, running water.

These are the three requisites that

the pile were in the form of a cone it would have a base diameter of 8 feet and a height of 3 feet. Recalculating the diamonds at 8000 a carat, it would have a value of \$17,500,402,200. It would contain 710 1/2 gallons of diamonds, worth \$5,250,000 a gallon; or 70 1/2 bushels, valued at \$51,570,729 a bushel. All the world's diamonds could be packed in an ordinary clothes closet or a kitchen pantry.

What Do You Make of This, Watson? Blackout Times—The service was conducted by Rev. John Thompson, the bridegroom. The wedding was of a quiet nature, owing to the recent death of the bride.—Boston Transcript.

NOW is the Time to CLEAN UP

BRING IN YOUR RAGS AND WE WILL PAY YOU A GOOD PRICE

WE ALSO BUY ALL KINDS OF RUBBER, BRASS, COPPER, HIDES AND OLD SCRAP IRON

UP-TO-DATE SERVICE STATION FOR AUTOISTS AND TRUCK DRIVERS. ZEROLINE CUP GREASE, RED CROWN GASOLINE, PEARL OIL AND MICA AXLE GREASE

G. M. Schempp

Farmers and Stockmen It's Like This

If you are inclined to sell your ranches at all, now is the time, when everybody wants to buy. If you want to retire and take things easier for a while, take advantage of the present conditions and list your land with me at once. Let the other fellow or the younger men do the work and make the money for a while. The change will give you new pep and a more vigorous enthusiastic grip upon life again.

AFTER SEVERAL MONTHS OF CAREFUL EFFORT, I HAVE SECURED A LARGE LIST OF OUTSIDE BUYERS WHO WILL BE HERE WITHIN THE NEXT 90 DAYS TO LOOK AT YOUR LAND. COME IN AND LIST NOW.

E. M. SHUTT

The Real Estate Man
Up-stairs in Court House

When your Plumbing goes Wrong Phone Us



We make a specialty of quick repair work, keeping always ready the materials and men for immediate service.

If you have new work that you wish us to figure on we will be very glad to submit prices.

Our work is guaranteed to give you perfect satisfaction and if you are not pleased in every particular we will spare neither time nor money to make it right.

Peoples Hardware Company

The Moral Risk

When the time comes to seek credit, a bank will want to know what you ARE as well as what you HAVE. That's where the moral hazard comes in.

And you can't establish credit over night. Rather, it is a matter of becoming KNOWN at your bank, of establishing confidence by the way in which you have kept your account, regardless of the amount you have in your credit.

Get acquainted—that's the first thing. Then develop that acquaintance into friendship. It will stand you in splendid stead when the time comes. Remembering also, that this bank offers you a complete banking service.

Farmers & Stockgrowers National Bank

HEPPNER, OREGON.

Choice Cuts of the Best Meats

EVERY HOUSEWIFE WANTS TO SERVE THE best in Meats to her family. She can be assured she is doing so if she buys her Meats at this shop which is conducted in conformity with modern methods of sanitary marketing.

Central Market

McNAMER & SORENSON, Props.

ELECTION, MAY 21

STATE ROADS

Vote 302 X Yes For 4% State Road Bond Limit

BALLOT TITLE IS AS FOLLOWS:

302 X Yes CONSTITUTIONAL AMENDMENT—Referred to the people by the Legislative Assembly.
303 No LIMITATION OF FOUR PER CENT STATE INDEBTEDNESS FOR PERMANENT ROADS.—Purpose: To amend Section 7 of Article XI of the Constitution of the State of Oregon so as to permit the creation of bonded indebtedness (including previous debts and liabilities) for the purpose of building and maintaining permanent roads to the amount of four per cent of the assessed valuation of all the property in the State of Oregon, in lieu of two per cent as now provided by law.

NO PROPERTY TAX—NO DIRECT TAX NO INCREASE IN AUTO LICENSE FEES NO INCREASE OF GASOLINE TAX

Keep these three facts in mind. The present auto license fees and gasoline tax will pay both the principal and interest on all the bonds under this amendment, and will yield an annual surplus besides for other state highway work. No additional taxation of any kind.

FEDERAL FUNDS MUST BE MATCHED

Oregon must have sufficient Highway Funds to match Federal apportionments or Oregon cannot get the benefit of Federal money for Oregon Roads. Increasing this constitutional limit is a necessity. Unless limit is increased, either state roads cannot be completed for many, many years, or must be financed by direct property taxation. This measure averts direct property tax for state highways and makes early completion possible. Let's get the roads built now.

Income from Present Sources Sufficient to Pay Principal and Interest.

The fact that revenues from auto license fees and gasoline tax, without increase of present rates, will be ample to pay both principal and interest on these bonds, as clearly set forth by official figures in the State Pamphlet, mailed to every registered voter. Refer to State Pamphlet for verification. Examine the table carefully. It proves that no property tax is required and that present rates for auto license fees and gas tax will reduce principal and interest and yield surplus bonds.

For Interest Tables, Pamphlets or Further Information, write to OREGON ROADS AND DEVELOPMENT ASSOCIATION, P. O. BOX 100, PORTLAND, OREGON. C. C. CHAPMAN, Oregon Executive Committee, 811 S. 1st St., Chicago Headquarters, 211 Westmore Building, Portland, Oregon.

VOTE 302 X YES—For 4% State Road Bond Limit