

FARM AND GARDEN.

INFORMATION OF PRACTICAL IMPORTANCE TO RURAL READERS.

The Ground Floor, Kitchen, and Bed-Rooms.
View of an Ice House of Sufficient Capacity for a Large Family and Household and Farm Use.

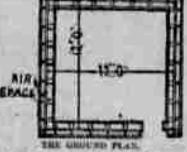
The capacity of the house is 11,000 cubic feet. This will hold over 100 tons of ice. It is 20 feet long by 12 wide by 12 feet high. The door opens which the house stands if no persons should be well situated by means of a foot or gravel, rock or other suitable material.



A BRIGHT ICE HOUSE.

with a depth leading away from it. The dimensions are as follows: Stalls are to be 8 by 12, bottom level on the ground; the inner stalls by 8, sheathed on both sides and roofed with shingles. These to be covered with felt paper, the spaces formed by sheathing to be filled with tan bark or sawdust. The outer studs to be 2 by 4, spaced to enable sheathing and covered with common shingles, leaving a space under eaves and above. The outer sheathing to be constructed by spreading from four to six inches of tan bark or sawdust; the eaves and cover with common boards, leaving a three-quarter inch space between each. The plates to be 8 by 12, 1 1/2 inches thick, 1 1/2 inches by 4, and studded. Ventilators to be 30 by 4, so placed that the top should be 8 feet 6 inches square. Double double and filled with sawdust.

The bill for lumber is as follows: Eight planks, 2 by 12 by 12, for walls and plates; 10 planks, 2 by 8 by 22, for inner stalls;



8 planks, 2 by 6 by 12, for back rooms and outer stalls; 10 planks, 2 by 4 by 12, for outer stalls; 10 planks, 2 by 4 by 12, for rafters and ventilators; 750 feet shingles; 14 feet long.

Two thousand four common boards, for sheathing, 8 by 12, 1 1/2 inches thick, surfaced, 12 feet long, for outer boards, etc., 90 yards building paper, \$2000 common shingles.

Our Agricultural Experts.

According to a report of the statistics of the department of agriculture, about one-tenth of our agricultural products is exported. The sum is, however, made up from a few new articles. These are cotton, tobacco, meats, breakfast cereals and cheeses. Beneath the surface of the culture products lie foreign markets. All our articles, however, are not equal when put together are not fit cost of the experts. The exportation of cereals is not increasing materially or so rapidly as home consumption. More cheese could be sold if its reputation for quality should be improved. There is a disposition to return to fastidious or particular foreign taste. Butter exports could be made larger if their were better quality. Our great American crop-sown is chiefly consumed on the spot, not more than 20 per cent of it is sent to market. The number of new articles which is grown, and only 1 to 2 per cent, being now exported. Nearly two-thirds of this crop is produced in seven states—Ohio, Indiana, Illinois, Iowa, Missouri, Kansas and Nebraska. Few others producing more than is required for home consumption, and testimony of its effectiveness on the exchange market is not wanting.

Breeding Stock.

There is an question about the fitness of removing stock, and especially grain, from a distance. Oats that have been repeatedly sown in the same vicinity will "run out"—that is, have a gradually weaker vitality, and in result these grains do not ripen. Returns, however, of the same country or the same variety of oats are not sufficient, but the new ones should be brought from a locality that has essentially different climatic conditions. The general principle is, selling the best stock possible. We must work from the stock toward the same, and then, but this rule, of course, has its limitations from natural causes. With wheat and oats the same seed should not be used for more than three successive seasons.

Raising Hogs.

It is not altogether easy to describe the process known as striking a hog, but with the audience of a crit. Prairie Farmer manages to make it understood. To begin right get the hogshead in a pen that will just hold him. Then in a sharp cut given to the forehead, between the eyes and top of the head, shoot him in the forehead with a revolver. Then before the animal begins to struggle turn his spine on his back, place a foot on each side of the head, facing the animal, and the last blow should hit the brain.



Killing a Hog.

down to the ground, by placing the left hand on the snout. Now place the point of the knife—a never fail blade it has ensured for any hogs—on the animal's neck, just below the jaw, and follow the curve, and push the knife in a straight line in the direction of the tail, as shown. Withdraw the knife quickly, and a gushing stream will follow.

The idea is to cut the snout, the nostrils, the mouth, and the base of the brain, the heart. If you do not stick just right the first time you will see why the knife is opened. A little observation, however, will soon enable you to become expert.

Agricultural Notes.

Feedback after winterization is claimed to be the earliest means of its sing and of the plant.

Dust is the most costly ingredient of manure. One thousand pounds of manure usually contains more than five pounds of alluvium, if not more. The best manure is that which has been well prepared, and the soil will give the best results.

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How to Cure Bacon.

Few farmers know much of bacon. They are acquainted with pork, and never took the trouble to prepare any. Philadelphia Farmers Journal says out the pig fat is still green, for the sides of the pig fat are still green, like bacon when cut with this part. For 100 pounds of bacon make a slice with six pounds of salt, four ounces of pepper, and one pound of brown sugar. Cover the meat and keep it in the larder six weeks and then add a few onions to give flavor. Let it stand three days and sow off lardons and gravy take them off bacon and salt them with lime and water.

HOW DEEP TO PLANT POTATOES.

Answer Satisfied by Some Very Interesting Experiments.

While no one depth can be named as best in all soils, it is a fact that the old method of shallow planting and often, as was the general practice, even by many potato growers, has been superseded by deep planting and especially heavy culture. In 1886, on The Strand New York's experiment grounds, three out of the four rows of a small potato were dug out and fertilizer added to prevent the growth of the vines. The vines were 10 inches and 8 inches in the rows, respectively. The root was planted in trenches 8 inches deep and 12 inches wide. No one has experimented more on the subject of deep or shallow planting than Mr. Charles F. Ladd, author of those experiments. The following are some of the interesting results for three seasons trial on the Rural grounds on a different soil.

All three rows had 10 bushels per acre. At 3 inches deep, 10 bushels per acre. At 6 inches deep, 10 bushels per acre. At 12 inches deep, 10 bushels per acre.

The soil was naturally poor and thin and the vines did not grow very well. The three trials mentioned, Manito potato seed was used each year at the rate of 1,000 pounds to the acre. One above, the furrows took up the largest yield on the average of three experiments on this kind of soil. As a result of these experiments, the late Alfred Ladd, Pennington, N. Y., raised, in 1889, to include a single season's deep rows separate plantings on the same area. These eight inches deep were graded and the vines were trained to them. The vines were developed in the rows of the trench and covered with two inches of tan bark. As the plants grew the soil was gradually filled in. Other experiments with large roots from similar species of potato, including the great crop of Mr. C. E. Clay of the broad beans from a single planting, an acre might, with a close

LOW COST POULTRY HOUSES.

Single and Double Poultry Houses That Are Both Good and Cheap.

It is not possible to present a design that is fit for everybody, as all, but birds, are two plans for poultry houses, each of

which has several recommendations.

These designs were specially drawn for The Farm and Garden.

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