

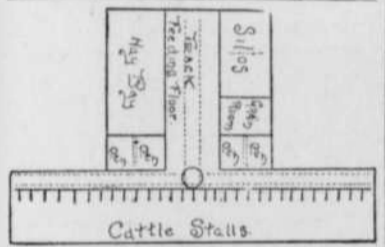
Barn for Dairy Purposes.
A common barn can be easily and cheaply changed into a dairy barn of large capacity, by employing such a plan as that shown in the first illustration. Two wings, with "shed" roofs, are extended out at right angles from each side of the old barn at one end.



ENLARGED BARN.

The interior arrangement is shown in the floor plan. A feed car, with a track, is arranged for the feed floor and the feeding alley in front of the cows.

A double silo, grain room and calf pens, with lofts over them, occupy one side of the barn proper, while calf pens and a hay bay occupy the other side. Thus the main barn is used mainly for the storing of feed, while the addition is given up to the stalls. The expense of such a plan will be very



GROUND PLAN.

much less than would be entailed by the building of a new barn, or even a lengthening of the old one, while the plan shown herewith gives a much more convenient arrangement than could otherwise be had.

Why Fruit Trees Die.

Why so many nursery grown trees die when transplanted is tersely and truthfully stated in Bulletin No. 20, of the Oklahoma Experiment Station. It says: Among the causes of failure have been the following: Failure to prepare the land before trees arrive; hurried and imperfect planting; high heads, exposing the body of the tree to sunscald and attacks of borers. Planters are urged to set strong, healthy trees, in well prepared soil, plowed deep and sub-soiled, first pruning the roots to one or two inches in length, which will cause them to strike down deep into the soil. Start the head fifteen to eighteen inches from the ground and lean the tree to the southwest. Then the top will shade the trunk, prevent sunscald and attacks of borers. Give frequent and shallow cultivation to keep in the moisture which the deeply soiled land has caught during winter and spring. Grow only hood crops, if any, in a young orchard, and none at all in an old one, except peas or clover to be cut and left to decay on the land.

Sheep Per Acre.

It is frequently asked how many sheep can be kept on an acre of land. Prof. Shaw tells us that on the experimental farm last year they kept six ewes and ten lambs on one acre of land for five and a half months. This, however, we think would be too high an estimate for the ordinary acre and ordinary management. The best way to estimate any kind of herbivorous or grass-eating stock is by the pound rather than by the head. There will not be a very great difference between the amount of grass consumed by a thousand pounds of beef, horse, or sheep. With hogs it is different because they are not usually dependent on grass for their feed, and hence a greatly increased number of pounds can be kept per acre when hogs are fed a grain ration. We are, of course, speaking of stock animals and not of cattle that are kept on full feed, corn, and other grain, and allowed all the grass they will eat.—Exchange.

Nature of Sandy Soil.

Sand has a great power for the transportation of water. It will convey water quicker than any other soil, but it will not hold as much. A clay soil holds more, but water will pass through more slowly. Sandy soils take in all the rains that fall, and if there is a subterranean supply within ten or fifteen feet of the surface, it seems to have a power to pump the water up to the roots of the plants. If, however, there is no such supply, the higher temperature of summer will usually increase the temperature of the top sandy soil and gradually dry it out faster than a fine, clayey soil. Clay will hold more moisture, and hold it longer than any

other form of soil, but it must be protected by surface cultivation.

Wheat Will Fatten Hens.

While it is true that wheat is a better feed than corn for egg production, some caution needs to be used in feeding it too liberally. Hens are more greedy for wheat than for any other grain, probably because instinct teaches them that this grain contains just what they need for every purpose. But it is a mistake to suppose that wheat with the phosphate of lime it contains does not also furnish the fat-forming nutrition that needs to be given to fowls in moderation. Hence there ought to be light rations of wheat, with some chopped clover hay and vegetables like cabbage or turnip, to give variety and fill the gizzard without furnishing too much nutrition.

Hints from Horsemen.

There is undoubtedly a scarcity of first-class horses in the leading horse markets, and a surplus of inferior ones.

There is nothing so good for bedding as good, long rye straw, and it has the preference over anything else, peat moss included.

The colt should be educated from the start not to be afraid of anything, and should be handled and driven when not over one year old, just enough to teach it what it means to be hitched and driven about the road and the city.

Never strike or in any other way abuse or frighten a colt as it is impossible for him to understand why you are doing it, and it will only make him wild, timid, or vicious, and cannot possibly do any good, and is bound to do harm. Use patience and kindness, and you will be sure to conquer in the end.

An old broncho driver gives the following as a sure way to cure a horse of kicking: "The way we fix a kicking horse is to the one of his forelegs with a rope to the hind leg on the other side. Then, as soon as he starts to kick, he jerks his front leg off the ground, and goes down in a heap. Two or three doses of that kind will cure the worst case you can find."

Horticulture.

Burn all the wood cut out of black and raspberries, so as to destroy the eggs of insects.

Keep it in mind, that like begets like, as much so among plants as it does among animals.

There is no advantage in mulching strawberry plants or fruit trees until the ground freezes.

Bank up young apple trees to the height of fifteen inches; it will have a great tendency to keep the mice and rabbits from gnawing them.

With a growing young orchard the farm will augment in value in your own eyes as well as in those of your neighbor, and you will be very independent in naming a figure.

Too little attention is paid to the quince as a market fruit. What few growers there are in the country find the business a very paying one, and there is room for more without crowding the market.

Dogwood.

The West Indies are very rich in forest trees. Many of these are turned to singular uses. The bark of the prune tree is used in the making of a liquor suggestive of cherry brandy; the wood of the ironwood, which sinks in water, is turned into massive mallets for the heavy work of the carpenter; the rubber tree is tapped by the negro boys, and its oozing juice is made into balls for their games, or, if near the seaside, for dressing the oakum with which the cracks in the fishing canoes are calked. The calabash bears a fruit, the skin of which, when dried, gives the natives drinking vessels and water bottles; the fustic gives a beautiful yellow dye, and the logwood dyes a rich purple, and is much used in the manufacture of crusty old port. The West Indian negro is a born poacher. He catches the quail by the cruel expedient of strawing finely powdered cayenne or bird pepper in the little dust pits where the birds "wash." The burning powder gets into the eyes of the bird, which, confused and helpless, is then easily caught. When he wants a wholesale supply of fish, he explodes a piece of dynamite, which was probably intended for the making of new Government roads, over a hole in a mountain stream, and the fish are killed by the concussion. But his favorite resource is the bark of the dogwood, one of the most plentiful of the forest trees. This he drops into a river hole, and the mullet, intoxicated, come to the surface of the water. This singular property of the dogwood has been made the subject of recent experimentation, and it is now found that the sap of the tree specially prepared gives a solution which acts as a powerful local anesthetic, and it is expected that the new extract will be of great service in dentistry.

Before the invention of the barometer and the thermometer, which are the basis of meteorology, there could be no question of water predictions; prophetic almanacs existed none the less, but their authors confined themselves to speaking of the influence of the planets or of the signs of the zodiac; they spoke also of the character of the individuals who should be born in such or such a part of the year.

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Try Paine's Celery Compound, the Most Advanced Remedy That Science Can Give.



MRS. E. R. PRATT.

There are very intelligent men and women who still prefer open fires to steam pipes and furnaces.

But only a very shallow-minded person would deliberately choose an old-fashioned remedy in case of sickness.

Sufferers from neuralgia, rheumatism or kidney trouble want the surest and most advanced remedy science can give them. Getting well is not a matter of sentiment, but the most seriously practical matter. That is why the most thoughtful and conservative people now use Paine's celery compound, and recommend it to friends and relatives who are threatened or afflicted with nervous exhaustion, sleeplessness, disordered liver or blood diseases.

That wonderfully acute and patient investigator, Prof. Edward E. Phelps, M. D., LL. D., of Dartmouth college, embodied in Paine's celery compound the most progressive, yet thoroughly es-

tablished, views on the cure of diseases of nervous origin.

All of the imitators of Paine's celery compound—every one knows how many there are—have proved to be entirely wide of the mark. Their promises of astonishing curative abilities are easily made on paper; but they are not kept.

It is easy to verify every claim made by Paine's celery compound. There is no village so small but it contains families in which this wonderful remedy has made some member well. Men who weigh their words and are careful what they write above their signatures have publicly given this great invigorator its deserved credit for health-making powers such as no other remedy ever received.

That Paine's celery compound certainly cures such diseases as neuralgia, sleeplessness and dyspepsia does not admit of a doubt. It builds up the entire



MRS. W. R. JOHNSON.

nervous system, plumps out the tissues, starts the blood into healthy circulation and regulates the action of the nerves. It makes people well, strong and energetic. Mrs. R. R. Pratt of Center Brook, Conn., whose portrait is given here, says plainly:

"I find Paine's celery compound a perfect medicine. I took several bottles for general debility, and it did for me all I could ask. It made me well. I have recommended it to my friends, and they all speak in its praise."

Paine's celery compound is the most assured and direct means of getting back a full store of vitality. It is a true nerve regulator. It exterminates all vicious humors that linger in the blood. It cures rheumatism, and is used by physicians as a specific for this disease. Says Mrs. W. R. Johnson of Cape Rozier, Me.:

"I was attacked with rheumatic

fever in its worst form. I employed the best physicians, but received no permanent relief. When I commenced to take Paine's celery compound my feet and hands were swollen so badly that they were useless. I could not walk a step, and was suffering very much. When I had taken four bottles of Paine's celery compound I could walk well, and I continued until I took six bottles. It made me perfectly well, and I have been so ever since. I wish the whole world might know of its great value."

Paine's celery compound makes people well!

Winter searches out the weak parts in the body; colds settle in the degenerated organs and develop disease. Make every part of the body sound; build up the strength and be ready for the shock of cold weather by taking Paine's celery compound.

Bill of Particulars.

Good minister (to a man wishing to be married)—Do you wish to marry this woman?

Man—I do.
Minister—Do you wish to marry this man?

Woman—I do.
Minister—Do you like the city as a place of residence?

Man—No; I prefer the suburbs.
Minister—Do you like the suburbs?

Woman—No, indeed; I prefer the city.
Minister—Are you a vegetarian in diet?

Man—No; I hate vegetables. I live on beef.
Woman—I can't bear meat. I am a vegetarian.

Minister—Do you like a sleeping-room well ventilated?

Man—Yes; I want the window away down, summer and winter.
Minister—Do you like so much fresh air?

Woman—No; it would kill me. I want all windows closed.
Minister—Do you like a light in the room?

Man—No; can't sleep with a light; want the room dark.
Minister—Are you afraid in the dark?

Woman—Indeed I am. I always have a bright light in the room.
Minister—Do you like many bed-clothes?

Man—All I can pile on.
Minister—Do you?

Woman—No; they suffocate me.
Minister—I hereby pronounce you man and wife, and may the Lord have mercy on your souls.—New York Weekly.

There is a little girl in Columbus, O., whose mother is in the habit of using the phrase, "Oh, don't mention it!" when any one apologizes to her. This little girl was naughty one day and her mother said to her: "Elsie, what will God think when you tell him tonight how bad you have been to-day?" "My mamma," said Elsie, "he will say: 'Elsie, don't mention it!'"

AN APPEAL FOR ASSISTANCE.

The man who is charitable to himself will listen to the mute appeal for assistance made by his stomach, or his liver, in the shape of divers dyspeptic quains and uneasy sensations in the regions of the gland that secretes his bile. Hostetter's Stomach Bitters, my dear sir, or ma'am—as the case may be—is what you require. Hasten to use it if you are troubled with heartburn, wind in the stomach, or note that your skin or the whites of your eyes are taking a sallow hue.

The production of Bessemer steel during 1895 amounted to 9,500,000 tons.

Piso's Cure for Consumption is the only cough medicine used in my house.—D. C. Albright, Millinburg, Pa., Dec. 11, '95.

STATE OF OHIO, CITY OF TOLEDO, ss. LUCAS COUNTY.

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FRANK J. CHENEY.
Sworn to before me and subscribed in my presence, this 6th day of December, A. D. 1895.

A. W. GLEASON, Notary Public.
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Hall's Family Pills are the best.

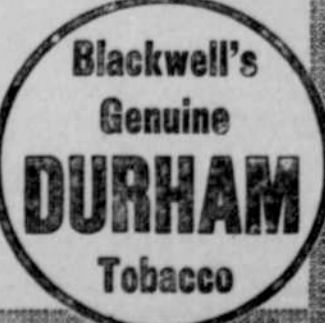
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