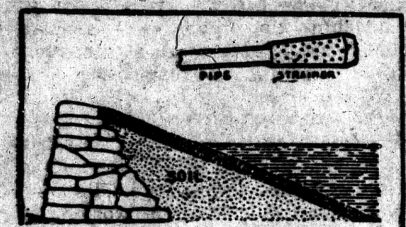


ROAD AND FARM IMPROVEMENT

STORING WATER.

How a Reservoir Can Be Cheaply Built at the Spring.

An easy way to make a reservoir at the spring, is to throw up a bank, perhaps laying a wall first, founding at below the surface. I have seen many reservoirs excavated at great expense, sometimes in the solid rock, at the useless expenditure of money. By going down hill a few feet it would have been simple and inexpensive. Should the soil be such that water seeps through it, face the soil with loam on top and puddle it well. It this leaks too it with clay and puddle the clay, as shown in cut. These



Dam for Spring Reservoir.

rules apply to all dams made of stone and earth.

Pipes entering the reservoir should enter at the bottom and the soil be well puddled around them to prevent the water working through beside the pipe. Each pipe must have a strainer over its supply end and have no airholes in its entire length.

A good strainer can be made from a piece of large lead pipe punched full of holes, as shown, says Farm and Home. One end may be flattened or turned over and the other drawn on over the end of the water pipe. Let nobody suppose that simple, inexpensive arrangements are faulty because primitive. If constructed correctly and in line with natural laws they are not only all right, but are preferable to fancy, complicated devices that get out of order easily or in a year or two require a master mechanic to put them into working condition again.

DUST PREVENTION ON ROADS.

Application of Tar Being Tried in the Vicinity of Troy, N. Y.

A modification of the common method of using tar on a public highway for the purpose of laying dust is reported from the vicinity of Troy, New York state. The experiment is being tried by State Engineer Van Alstyne, in a village of considerable size. The first step is to sprinkle hot tar on the road, and then to fill up low spots with screenings. When the surface has been well packed by teams, a second application is made. The job is not considered complete, though, until there has been a third coating. Before being used, the tar is boiled to drive off any water it may contain.

This road is much used by automobiles, whose owners found the dust as unpleasant as did the local residents, and consequently two classes of people are watching the experiments carefully. The extraordinary increase everywhere in the number of horseless carriages of late has made the suppression of dust as important to their drivers as to residents along the roads frequented by them. Formerly the man in an automobile did not appreciate what a nuisance this dust was, but now that many cars are running over each good road there is no longer any tendency to deny that these vehicles are responsible for a somewhat serious action on the surface of the highway, and that steps should be taken to prevent it. It is not wear in the usual sense of the term, but rather suction, and as its effect can be checked by the same means that are used to lay dust, the importance of these experiments can be readily appreciated.

AGRICULTURAL POINTS.

The farm is what a fellow makes it. Faith is the father of profit in farming.

The frost strikes deep in well-drained soil.

Advice to those about to farm—Keep your tools bright, your fences tight and your heart light.

Stone harvest lasts from November to March. During the rest of the year other things interfere with it.

It is poor management to go without things that are needed, in order to board up money. Human necessities come first.

The depth of the water table in the soil will regulate to a considerable degree the moisture of the soil. The water table should not be nearer to the surface than 30 inches and may be ten feet below the surface in very fine soils.

Gutters in Stables.

Many of the old-fashioned stables have no gutters, the floor behind the standing platforms of the cow being a dead level. The liquids flow over all and this is constantly wet during the time the cows are tied up. It is always advisable to construct gutters behind the cows, thus keeping the level part dry and clean at all times. This gutter will catch the liquids and will carry them to one end of the stable where they can be made to run into some kind of a receptacle or some absorbent that will preserve them for fertilizing purposes. The gutters greatly facilitate the cleaning out of the stables.

Why Poor Cream.

The Iowa dairy commissioner says that one of the causes of thin and poor cream is the so-called water "separator." It is liable to be 24 hours older than hand-separated cream, for one thing.

Apples Good for Cows.

It has been found from feeding tests that apples are worth as much as roots or silage, ton for ton, in feeding the milk cows. This is a pointer to those whose windfalls are going to waste.

CONVICTS AND GOOD ROADS.

Suggestion That the Labor of the Former Be Utilized in This Way.

In nearly all sections of the country the necessity of better roads is fully appreciated, yet the problem of securing them is continuing a difficult one. Farmers are too busy in most sections most of the year to devote all the time necessary to make the roads what they should be, though there is much improvement since the use of the split-log drag and similar devices has become more common.

Figures recently issued on the results of convict labor in American prisons carry with them a suggestion of what might be accomplished for the betterment of roads if some of the labor performed by convicts should be devoted in that direction, says Chicago Sun. It is shown that convicts in America produced \$34,276,205 worth of manufactured goods last year. Boots and shoes came first, with a value of \$8,527,599, with clothing next at \$2,644,511. There were 8,341 convicts employed at farming, producing \$2,982,875 worth of farm products, while 3,507 worked on roads and highways, giving value of \$1,557,170. Missouri led, her 1,973 convicts earning a value of \$2,451,939. The average cost of keeping a convict one year is given as follows: Food, \$51.63; clothing, \$18.02; guarding, \$56.36.

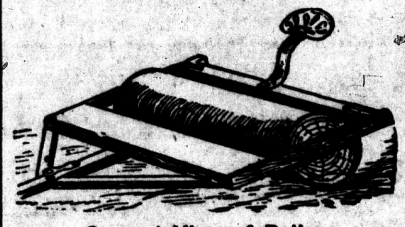
Manufacturers who have invested money in plants naturally have strong objections to the competition they are compelled to meet from prison-made goods. There is no question that they seriously interfere with regular trade in many lines. One case is reported where in a prison the yearly make per convict is 1,679 pairs of shoes, or 45 pairs more than the average daily output in free labor factories.

Should more of the convict labor be employed in the work of improving our public roads the general public would be benefited rather than a few labor contractors who secure big service from state convicts. In that way they would compete less with free labor than in any other line. The slogan, "Good roads made by bad men," has been taken up and should be given more general attention in every state.

BUILDING FARM ROLLER.

Convenient Machine With Which to Crush Clods on Plowed Ground.

I have a roller which I have used for some time, and find it very satisfactory, writes a correspondent of Prairie Farmer. The form of roller I made is original, and is perfectly well bearing for a man 150 pounds weight. The end beams are three feet nine inches long. The board in front is 14 inches wide, six feet six inches long.



General View of Roller.

The rear beam is six feet long, the front beam being mortised into the two end beams. The tongue and braces are placed under the board in front so top of frame will be all lined. The general method of placing is shown in our second illustration.

The entire frame is spiked together with 60 penny spikes, except where two bolts are used in the tongue. The rear corners are strengthened with old strips of iron fixings from front wagon hounds. This material can be bought at most any junk shop or blacksmith's iron yard.

The rock roller must not be more than 20 inches in diameter. Your space in frame is only 24 inches wide

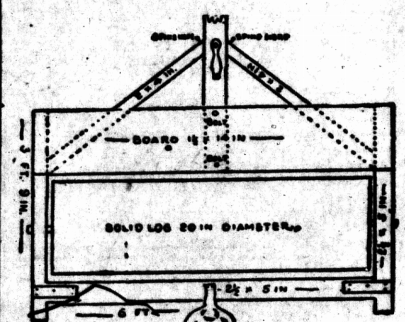


Diagram of Roller.

and six feet long. A roller of this size will give two large horses all they care to handle on freshly plowed ground, and will mash practically every lump that it passes over. An old mowing machine seat is used for seat on this roller.

THE TINKERING WOMAN.

Get Her a Kit of Tools and Teach Her How to Use Them.

See to it, good farmer friend, that your wife or handy daughter has a kit of tools for her own use.

By a "kit," I mean the very much-needed articles of your workshop that she has to use and borrow from you (perhaps forgetting to replace them). For instance: Hammer, gimlet, hand-saw (always kept in good trim), a box of mixed nails and screws, screw-driver, and, strange as it may sound, a miter-box and a double glue pot.

You will be surprised to find how much of your very valuable time will thus be saved; and you may also be astonished at the amount of good work in carpentering accomplished by the good ladies of your household.

A discarded miter-box and a few feet of molding, left by a busy workman as a donation to the good wife, resulted in a very durable and handsome picture frame that gave great pride to the home manufacturer.

The girl of to-day is beginning to look to cabinet-making and other branches of industry that heretofore were looked upon as the sole domain of her more favored brother. Well, encourage the girls in the use of necessary tools on a farm, writes Kendall Perry, in Farm Journal. Then perhaps we men folks shall have a few less hinges, knobless doors to look after on a rainy day. Or perhaps we might get the girls to repair a broken fence if the cattle got out when we were away thrashing.

CHICKEN WAS ALL RIGHT.

How One Woman Was Cured of an Old Prejudice.

"But I never eat fried food," said my guest, raising her hand in protestation when I said in pleasantry: "I have fried a chicken to-day in your honor." "But if you eat my fried chicken and have faith in my assertion that it will not harm you, you will be glad that you tried it," I replied, and went on helping her to the second joint and a piece of the breast, and added a generous supply of cream gravy for the baked Jersey sweet which was offered on another small plate. It was a moment when friendship of long years seemed about to be strained, and I would not have placed my guest in the position of taking Hobson's choice had I not known and felt that she was in a half starved condition through fear that different sorts of food might harm her. She had been seriously ill nearly two years before and could not quite shake off the effect so far as a lingering fear that she could not do this or that without evil result. This fear was principally in regard to food and her menu was pitifully limited.

The chicken in question was young and tender and had been plunged into deep smoking hot fat until the outside was seared, then the kettle was set back where the cooking would go on more slowly and reach the bone. In reality it was more delicate than most broiled chicken, for almost no fat had been absorbed and there were no hard, burned or dried portions.

While we were deep in conversation about some pleasant matters my friend tasted and picked until only the bones remained on her plate. Then after a light dessert we went out for a walk in the fresh air, and minor interesting sights along the way prevented dwelling on the anticipated troubles and they did not become real. My friend afterward alluded to it as "a successful treatment." But she added: "I wouldn't risk any other cook's fried chicken." However, she had learned that the digestive organs and nerves bear quite close relation, and given well cooked food, fresh air, and absence of fear will help digestion to unaccustomed or forgotten tasks.—Chicago Inter Ocean.

FOR THE SMALL HOUSE.

Advantages in Using Same Style of Wall Paper.

For the average small house, such as one finds in rows in every suburban town, according to Suburban Life, it is a very good plan to run the same wall paper through the entire first floor, including the hall. This makes the house seem larger, and, if desired, variety may be given by different ways of treating detail, different colored woodwork in different rooms, and different colored curtains in each room. For instance, if the walls are covered with a soft green throughout, we may have white paint on the parlor, dark green in the dining-room, natural wood finish in the hall; at the north windows, thin yellow silk or silklike curtains; at the south end, white muslin, or silk with a blue and green figure.

A house needs to be both large and spacious, with big, high-studded rooms, to look even passably well with the usual kaleidoscope method of doing each room in a different color without regard to the others. It would be much more harmonious to choose some keynote or tone, as gray, brown, or green, and lead from one room to another with variations, but with constant regard to the harmonious effect in passing through. With any of these colors as a ground tone, one can do much, or even the three well chosen would go well together; and blue may be carefully introduced—"carefully" meaning that with gray we need a cold blue, and with brown or green we should use a green-blue. Yellow here counts with the browns.

Pounded Cheese.

This is a reliable recipe which may be made up in quantities and packed down in small stone jars, covered, and set away in a cool place. Place in a mortar with three ounces of butter about a pound of good dry cheese and pound it to a paste. Into this mix a half tablespoonful of black pepper and a teaspoonful each of mustard (made mustard), ground spice and curry powder; add, also, a wineglassful of sherry, and the cheese is ready for use. It is tasty if served on slices of bread and sprinkled over with a little paprika.

Cream Cheese and Gooseberries. This combination is one of the most palatable there is when it is a question of mixing cheese and fruit. It is much used for luncheons, as cream cheese is a sort of non-committal variety and the average woman is fond of it. Take one package of fresh cream cheese and beat in enough rich cream to make it soft and somewhat foamy. Pile it into a pyramid heap in the center of a plate and surround it with stewed gooseberries. The gooseberries should be cooked until they are quite done and plentifully sweetened. This is to be served on toasted saltines or water biscuits.

Plant for "Dark" Room.

Is there any plant which will flourish in a more or less dark room?

The aspidistra is the only plant that we know which thrives almost as well in the dark as in the light. Of course, this does not mean absolute dark, but away from the window. This plant, also, stands a good deal of neglect in other respects, not needing much fertilizer and it is almost free from insects.

Dado Is Economical.

Nothing is more economical in wall decoration than a dado, says an authority on house decoration. As the lower part of the walls become soiled more quickly than the upper, a room can often be freshened simply by renewing the dado, without touching the upper walls. Another advantage of the dado is that it gives a room a comfortable and furnished appearance without the addition of a lot of furniture. This is particularly true of a hall or stairway where there is a lot of space that needs breaking up.

WORD IS MODERN ENGLISH.

"Chap" To-Day Has Not Meaning Old Writers Gave to It.

The name of the new play at the Criterion, "Prince Chap," would have been quite unintelligible to an Englishman of Shakespeare's time. Not until the end of the sixteenth century did "chapman," a trader or peddler, get contracted into "chap" even in vulgar speech, and even then for a long time it did not advance beyond the meaning of buyer or customer.

In this sense Steele speaks of "hunting after chaps," and Wilkes writes that "perhaps Mrs. Mead would buy, but she would be a hard chap." "Chap" seems to have reached its ultimate stage as a casual equivalent of "man" through the intermediate sense of a man with whom one has dealings, not of business, but of good fellowship.

The case of "customer" is very similar. Shakespeare used it to mean a boon companion, but "a queer customer" now means little more than "a queer man." There is a trace of the old companionship idea, however, when a young woman speaks of "my chap," and in "Prince Chap" itself.—London Chronicle.

DISFIGURING SKIN HUMOR.

Impossible to Get Employment, as Face and Body Were Covered with Sores—Cured by Cuticura.

"Since the year 1894 I have been troubled with a very bad case of eczema which I have spent hundreds of dollars trying to cure, and I went to the hospital, but they failed to cure me, and it was getting worse all the time. Five weeks ago my wife bought a box of Cuticura Ointment and one cake of Cuticura Soap, and I am pleased to say that I am now completely cured and well. It was impossible for me to get employment, as my face, head and body were covered with it. The eczema first appeared on the top of my head, and it worked all the way around down the back of my neck and around to my throat, down my body and around the hips. It itched so I would be obliged to scratch it, and the flesh was raw. I am now all well, and I will be pleased to recommend the Cuticura Remedies to all persons who wish a speedy and permanent cure of skin diseases." Thomas M. Rosster, 290 Prospect Street, East Orange, N. J., Mar. 30, 1905.

Claim Nearly Cost Life.

Fred McNulty, of this city, had a terrible experience while holding down a claim which he has several miles east of here. He went to the claim just before the big blizzard of last week. The weather previously had been mild, and McNulty had no store of fuel in the shack. The storm was so fierce that he could not make his way home, so he went to bed in order to keep from freezing to death. For three days the storm raged, and McNulty lay covered up to his ears, without a bite to eat and only a small quantity of water. When at last the storm subsided he made his way to a neighbor's, a mile distant, freezing his face and ears while en route. When he finally reached Minot he was compelled to take to his bed as a result of his experience.—Minot Correspondence Duluth Herald.

The Sunny South.

Now when all outdoor farm work has ceased in the north, the term "sunny south" and all that it means, appeals with full force to the northern farmer as he realizes that with him it is a case of remaining indoors for the next several months consuming everything that has been produced during the growing season. In the "sunny south" something can be raised every month in the year, and practically every day can be spent out doors. No blizzards. No sunstrokes. Cattle-raising is very profitable. Large profits are made with little labor in growing fruits, vegetables, etc., for northern markets. Strawberries and cantaloupes are great revenue getters. Water unsurpassed. Work plentiful. Lands cheap and productive. For reliable information, address G. A. Park, General Immigration and Industrial Agent, Louisville & Nashville Railroad Company, Louisville, Ky.

Girl Has Business Sense.

Mary Mauske, thirteen-year-old daughter of a Wheeler (S. D.) farmer, hauls a load of wheat daily to market and sees to its disposal.

Lewis' Single Binder straight 5c cigar made of rich, mellow tobacco. Your dealer or Lewis' Factory, Peoria, Ill.

Men who pose as judges of human nature get a good many hard bumps.

TO CURE A COUGH IN ONE DAY. Take LAXATIVE BROMO QUININE TABLETS. Druggists refund money if it fails to cure. E. W. GROVER'S signature is on each box. 25c.

He who envies the happiness of others will never be happy.

Mrs. Winslow's Soothing Syrup. For children teething, softens the gums, reduces inflammation, allays pain, cures wind colic. 25c a bottle.

Lots of women get married before they can afford to.

Dyeing is an easy job, washing when PUTNAM FADELESS DYES are used. Ask your druggist.

He hastens to repentance who hastily judges.—Publius Syrus.

Lewis' Single Binder straight 5c. Many smokers prefer them to 10c cigars. Your dealer or Lewis' Factory, Peoria, Ill.

A one-sided affair in all right if it happens to be a bright side.

Garfield Tea, the Herb laxative, is mild and potent; take it for constipation and to regulate a sluggish liver.

Any man who tries to dodge his taxes has no business to hanker for fame.

FILES CURED IN 6 TO 14 DAYS. PAZO OINTMENT is guaranteed to cure any case of itching, blind, bleeding or Prolapsing Files in 6 to 14 days or money refunded. 50c.

The skeleton of a megatherium has been dug up by excavators in the Avenue Bosquet, Paris.

FITS, St. Vitus Dance and all Nervous Diseases permanently cured by Dr. Kline's Great Nerve Restorer. Send for Free \$2.00 trial bottle and treatise. Dr. R. H. Kline, M.D., 381 Arch St., Philadelphia, Pa.

Luxury for Young Aristocrat.

The Duke of Bedford has presented Lord Tavistock, his eldest son, with a silver-mounted motor car for his use while at Oxford university.

How's This?

We offer One Hundred Dollars Reward for any case of Catarrh that cannot be cured by Hall's Catarrh Cure.

F. J. CHENEY & CO., Toledo, O. We, the undersigned, have known F. J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligations made by him.

WALDEEN, KIRBY & MARTIN, Wholesale Druggists, Toledo, O. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. Testimonials sent free. Price 75 cents per bottle. Sold by all Druggists.

Take Hall's Family Pills for constipation.

Money in Popular Songs.

According to a celebrated composer, the popular song, though sneered at by the superior, is in reality the ambition of most composers. Thousands of them, he says, "would give their ears to write a tune that reached the barrel-organs." And when it has been on the organs some little time a good many other people would wish to dispose of their ears.

Return in Age to Childhood.

Attention has recently been called to the curious fact that the shells of certain animals, such as cephalopods, brachiopods and some bivalves, are commonly marked by retrogressive changes as age advances. "The old man returns to second childhood in mind and body," states a well-known scientist at Washington, "and the shell of the cephalopod has, in old age, however distinct and highly ornamental the adult, very close resemblance to its own young."

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Dr. J. C. Ayer

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900 DROPS

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Promotes Digestion, Cheerfulness and Rest. Contains neither Opium, Morphine nor Mineral. NOT NARCOTIC.

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CARTER'S LITTLE LIVER PILLS.

Positively cured by these Little Pills. They also relieve Distress from Dyspepsia, Indigestion and Too Hearty Eating. A perfect remedy for Biliousness, Headache, Dizziness, Bad Taste in the Mouth, Coated Tongue, Pain in the Side, TORPID LIVER. They regulate the Bowels. Purely Vegetable.

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What Joy They Bring To Every Home

as with joyous hearts and smiling faces they romp and play—when in health—and how conducive to health the games in which they indulge, the outdoor life they enjoy, the cleanly, regular habits they should be taught to form and the wholesome diet of which they should partake. How tenderly their health should be preserved, not by constant medication, but by careful avoidance of every medicine of an injurious or objectionable nature, and if at any time a remedial agent is required, to assist nature, only those of known excellence should be used; remedies which are pure and wholesome and truly beneficial in effect, like the pleasant laxative remedy, Syrup of Figs, manufactured by the California Fig Syrup Co. Syrup of Figs has come into general favor in many millions of well informed families, whose estimate of its quality and excellence is based upon personal knowledge and use.

Syrup of Figs has also met with the approval of physicians generally, because they know it is wholesome, simple and gentle in its action. We inform all reputable physicians as to the medicinal principles of Syrup of Figs, obtained by an original method, from certain plants known to them to act most beneficially and presented in an agreeable syrup in which the wholesome Californian blue figs are used to promote the pleasant taste; therefore it is not a secret remedy and hence we are free to refer to all well informed physicians, who do not approve of patent medicines and never favor indiscriminate self-medication.

Please to remember and teach your children also that the genuine Syrup of Figs always has the full name of the Company—California Fig Syrup Co.—plainly printed on the front of every package and that it is for sale in bottles of one size only. If any dealer offers any other than the regular Fifty cent size, or having printed thereon the name of any other company, do not accept it. If you fail to get the genuine you will not get its beneficial effects. Every family should always have a bottle on hand, as it is equally beneficial for the parents and the children, whenever a laxative remedy is required.

NO MORE MUSTARD PLASTERS TO BLISTER.

THE SCIENTIFIC AND MODERN EXTERNAL COUNTER-IRRITANT.

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EXTRACT OF THE CAYENNE PEPPER PLANT

A QUICK, SURE, SAFE AND ALWAYS READY CURE FOR PAIN—PRICE 15c.—IN COLLAPSIBLE TUBES—AT ALL DRUGGISTS AND DEALERS. OR BY MAIL ON RECEIPT OF 15c. IN POSTAGE STAMPS. DON'T WAIT TILL THE PAIN COMES—KEEP A TUBE HANDY.

A substitute for and superior to mustard or any other plaster, and will not blister the most delicate skin. The pain-alleviating and curative qualities of the article are wonderful. It will stop the toothache at once, and relieve Headache and Sciatica. We recommend it as the best and safest external counter-irritant known, also as an external remedy for pains in the chest and stomach and all Rheumatic, Neuralgic and Gouty complaints. A trial will prove what we claim for it, and it will be found to be invaluable in the household and for children. Once used no family will be without it. Many people say "it is the best of all your preparations." Accept no preparation of Vaseline unless the same carries our label, as otherwise it is not genuine. SEND YOUR ADDRESS AND WE WILL MAIL OUR VASELINE PAMPHLET WHICH WILL INTEREST YOU.

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Don't Suffer all night long from toothache neuralgia or rheumatism

Sloan's Liniment

kills the pain - quiets the nerves and induces sleep

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