

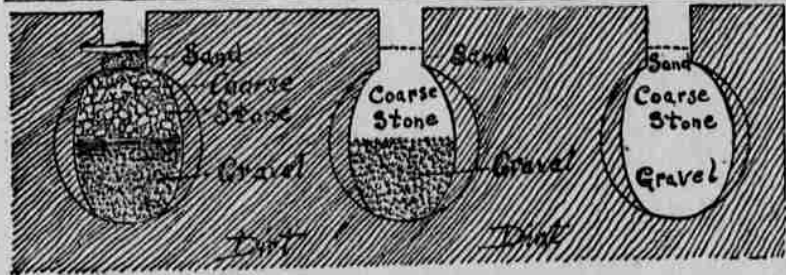


Planting Early Potatoes.

The earliest planting of potatoes ought always to be much shallower than late in the season. If the seed is planted deep, with the freshly cut pieces in contact with wet and cold soil, the potato will rot instead of growing. This can be prevented by cutting the seed a number of days before planting, and leaving the cut pieces in a place where they will dry out rapidly, and also be warm. Under such conditions the buds will start slowly and be of dark-green color if the cut pieces are exposed to light, as they always should be. The more thoroughly the pieces are dried out, the better it will be for early planting, provided the buds have not started so far as to begin to wither from lack of support. In the damp soil the cut potato absorbs some of the moisture. This not only dries the soil around it, but increases its warmth also, for as the water is dried from the soil surface air, which in spring is always warmer than the soil, comes in to take its place. If potato seed for early planting is managed in this way, the seed will not rot in the soil. Besides, the crop will be two weeks earlier than from unprepared seed.—American Cultivator.

Sub-Irrigation.

Sub-irrigation by means of lines of tile is too expensive. I find the cheapest way to sub-irrigate is by using ditches filled with clean gravel with coarse stone on top of the gravel. These ditches are made with a mold ditcher constructed for the purpose. A double hopper is attached to the ditcher and kept full of gravel and sand, which fills the ditches as the machine advances. The ditches should have about three



SUB-IRRIGATION WITHOUT TILE.

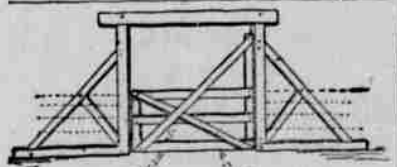
inches of fall to the 100 feet. At the upper end of the gravel ditch place a six-inch tile and keep it full of water during the dry time. Also place a line of tile at the lower end of the ditch to act as a drain during wet weather. Place the gravel ditches about six or twelve feet apart and about two feet deep. On a small scale for gardening this plan will work very well.—J. B. Hill, in Orange Judd Farmer.

Girdling Fruit Trees.

There is a common opinion that girdling, or the removal of a small ring of bark from a limb or the body of the tree, will induce fruiting the coming season, as the sap coming back from the blossom is retarded and blossom buds are formed for the next season. The common practice is to remove a ring of the bark. Mr. Dart, however, advises removing a spiral and finds that this gives better satisfaction from the fact that there is less danger of injuring the tree. To make a barren tree bloom, girdling should be done the last of July or the first week in August. About the only excuse for this practice is when it is desired to induce early fruiting, so as to learn the value of a variety as soon as possible. Cut out one-fourth inch of bark around some branch that will be removed anyhow in pruning. This has been practiced by experimenters, but it invariably results in causing a dead spot difficult to heal over when the branch is finally removed. It is generally agreed that the spiral system of girdling is the most satisfactory.

Substantial Farm Gate.

The illustration shows a farm gate that cannot sag, cannot "leave its moor-



GATE THAT CANNOT SAG.

ings," and gives, moreover, a substantial and finished air to the surroundings. It is useless to make a gate that will not sag, and then hang it to support that soon bend under the weight pulling upon them, or lose their footing and slide out of place. The gate and gateway here figured are braced from every point, as can be seen, and so must always remain firmly in position. It takes more time and lumber to build such a gate, but it is time and lumber profitably spent.—Farm and Home.

Care of Sitting Hens.
All the necessity for care is not ended when the hen is duly installed in her three weeks' task, and is sitting faithfully. The Asiatic breeds of fowls, including such crosses as the Plymouth Rock, are so persistent in sitting that

unless the poulterer tempts them off to eat they may addle the eggs by too much warmth and exclusion of the air. The egg is porous, and the young chick must get all the air it requires through the shell. As hatching time approaches, there is less danger of adding the eggs by cold, even if the hen is off some time. The warmth from the chick will keep the egg from getting cold, anyway. Sprinkling the eggs with tepid water is useful where the sitting is too persistent.

Fait to Hasten Decomposition.

It is only when used in large amounts as a pickle that salt retards decay. Used in small amounts on either animal or vegetable matter, with enough water to dissolve it, salt will always hasten decomposition. For this reason it is an excellent plan to use it wherever it is desired to have manures act more quickly. A little sprinkled over a manure heap with water enough to wash it down will set it to fermenting. It will do the same when a tough sod has been plowed under which it is necessary to rot quickly.

Poultry House Rake.

The poultry quarters should have four or five inches of loam or road dust on the floor for the fowls to scratch in and dust themselves in, but this soon becomes covered with feathers and masses of droppings. A fine-toothed rake is serviceable in raking over the pens, thus collecting all feathers, etc.,



POULTRY HOUSE RAKE.

when they can be put into barrels with the dressing. An ordinary rake, and even a garden rake are too coarse for this purpose. The sketch shows a good homemade rake that answers well for this work. Wire nails, driven very close together, form the teeth. A strip of hard wood should be used for the head, while an old hayrake handle can be pressed into service for the handle.—American Agriculturist.

Pruning Currant Bushes.

It is very hard to keep currant bushes thrifty and productive when anywhere from six to ten or a dozen sprouts are allowed to grow in each hill. These conditions are just right for the currant worm to do a good deal of injury before he can be found and killed with hellebore. We always cut

Chronic Rheumatism.

The Patient Had Suffered for Over Thirty Years and Now Enjoys Perfect Health.

From the Industrial News, Jackson, Mich.

The Industrial News, ever on the alert to bring its readers all items of interest, learned of the entire cure of one of Jackson county's prominent citizens, Mr. Lorenzo Neely, of Liberty township, who had suffered with the twangs and pangs of rheumatism for over thirty years.

In order to give authentic facts, an Industrial News representative interviewed Mr. Neely and elicited the following facts:

Mr. Lorenzo Neely is 56 years of age, and actively engaged in farming. When 17 years old by an unfortunate accident he hurt his shoulder, and a few years after that he commenced to have rheumatic pains in his shoulders. This would not always trouble him, but on taking a slight cold or the least strain, or sometimes without any apparent cause the trouble would start again and he would suffer the most excruciating pains.

For over thirty years he has thus suffered, and for the last decade has suffered continually so that he was unable to do any work. To this the frequent occurrences of dizzy spells was lately added, making him almost a helpless invalid.

He tried the best physicians but without getting any help, and has tried several specific rheumatic cures, but all without any appreciable relief. About one year and six months ago he read in the Jackson Industrial News of a case somewhat similar to his which was cured by the use of Dr. Williams' Pink Pills for Pale People, and he concluded to try this remedy.

After the first box he felt somewhat better, and after taking three boxes the pains entirely disappeared and the dizzy spells left him, and he has now for over a year been entirely free from all his former trouble and enjoys better health than he has had since his boyhood.

Dr. Neely is loud in his praises of Dr. Williams' Pink Pills for Pale People, and will gladly corroborate the above statements. His postoffice address is Lorenzo Neely, Horton, Jackson county, Michigan.

Dr. Williams' Pink Pills for Pale People contain, in a condensed form, all the elements necessary to give new life and richness to the blood and restore shattered nerves. They are also a specific for troubles peculiar to females, such as suppressions, irregularities and all forms of weakness. They build up the blood, and restore the glow of health to pale and sallow cheeks. In men they effect a radical cure in all cases arising from mental worry, overwork or excesses of whatever nature. Pink Pills are sold in boxes (never in loose bulk) at 50 cents a box or six boxes for \$2.50, and may be had of all druggists, or direct by mail from Dr. Williams' Medicine Company, Schenectady, N. Y.

All Fools' day is 200 years old. Brady's Clavis calendar, published in 1812, mentions that more than a century previous the almanac designated the first of April as "All Fools' Day."



Gladness Comes

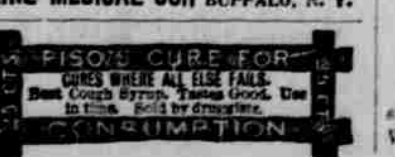
With a better understanding of the transient nature of the many physical ills, which vanish before efforts—gentle efforts—pleasant efforts—rightly directed. There is comfort in the knowledge, that so many forms of sickness are not due to any actual disease, but simply to a constipated condition of the system, which the pleasant family laxative, Syrup of Figs, promptly removes. That is why it is the only remedy with millions of families, and is everywhere esteemed so highly by all who value good health. Its beneficial effects are due to the fact, that it is the one remedy which promotes internal cleanliness without debilitating the organs on which it acts. It is therefore all important, in order to get its beneficial effects, to note when you purchase, that you have the genuine article, which is manufactured by the California Fig Syrup Co. only and sold by all reputable druggists.

If in the enjoyment of good health, and the system is regular, laxatives or other remedies are then not needed. If afflicted with any actual disease, one may be commended to the most skillful physicians, but if in need of a laxative, one should have the best, and with the well-informed everywhere, Syrup of Figs stands highest and is most largely used and gives most general satisfaction.

THE TRIUMPH OF LOVE! Happy and Fruitful Marriage.

Every MAN who would know the GRAND TRUTHS, the Plain Facts, the Old Secrets and the New Discoveries of Medical Science as applied to Married Life, who would alone for past follies and avoid future pitfalls, should write for our wonderful little book, called "Complete Manual of the Marriage Bed and How to Attain It." The earnest man will mail one copy Entirely Free, in plain sealed cover.

ERIE MEDICAL CO., 45 N. W. ST., BUFFALO, N. Y.



LINCOLN MEMORIAL CHURCH.

Finest Structure Ever Built for Use of the Colored Race.

The finest church ever built for the use of the colored race is soon to be erected in Springfield, Ill., as a monument to the great emancipator. It will be known as the Lincoln Memorial African M. E. Church. The superstructure is to be built of Bedford stone, and will be covered with a slate roof. There will be an auditorium which will hold 700 people, a Sunday school room which can be thrown into an auditorium, giving the whole space a capacity of 1,000; a reading-room, a library, a gymnasium and a night school. A memorial-room and a museum will be provided which will contain relics of slavery, such as the auction block, the slave chain, the manacles and the whipping post. There also will be



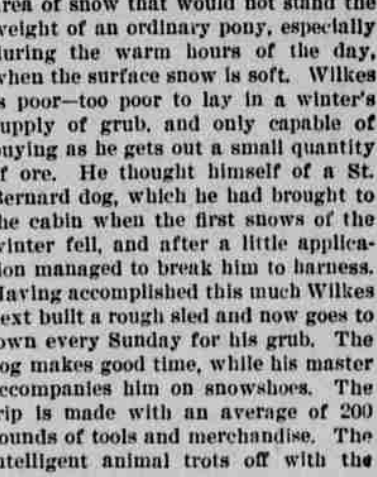
LINCOLN MEMORIAL CHURCH.

seen the obverse of the picture; that is, a collection of books by negro authors and other signs of the character growth of the race since its emancipation. Above the memorial-room will be a large triple window containing life-size figures of Lincoln, Frederick Douglass and John Brown. Other ornamental windows will symbolize the history and progress of the negro race in America. Twenty-eight windows will be named in honor of great abolitionists, American and foreign, and of a few prominent Illinoisans. The material for the pulpit will be brought from Harper's Ferry, while the pulpit chairs will be made of material from Lincoln's old home at New Salem, Ill. The entire cost of the church is estimated at \$25,000.

A HANDY DOG.

Draws a Prospecting Outfit for a Colorado Miner.

A novel prospecting outfit may be seen once a week at Sawpit, a mining camp in the San Juan country, Colorado. Every Sunday a miner arrives from Deep Creek, where he has several claims that are in process of development. Harry Wilkes is the name of the hermit, whose life seems bound up in that of his prospects and his humble four-footed companion, through whose services he is able to prosecute his work in the middle of winter in a country where the whirl of the snowflakes passing down the adjacent mountains is the only music that enlivens the tedium of the long evenings. Deep Creek is off the regular trails that lead to Sawpit, and thus is separated by an area of snow that would not stand the weight of an ordinary pony, especially during the warm hours of the day, when the surface snow is soft. Wilkes is poor—too poor to lay in a winter's supply of grub, and only capable of buying as he gets out a small quantity of ore. He thought himself of a St. Bernard dog, which he had brought to the cabin when the first snows of the winter fell, and after a little application managed to break him to harness. Having accomplished this much Wilkes next built a rough sled and now goes to town every Sunday for his grub. The dog makes good time, while his master accompanies him on snowshoes. The trip is made with an average of 200 pounds of tools and merchandise. The intelligent animal trots off with the



BETTER THAN A HORSE.

load at a gait that makes it warm for Wilkes to keep up with, and often necessitates a wait on the part of the dog for his owner to overtake him on some of the steep hillsides.

The New Yankee Doodle.
The children of New York city are singing the following lines to the tune of Yankee Doodle:
Do not spit upon the street,
In cars or public places;
This is far from being neat,
And leaves unwholesome traces

Dread disease is spread about
By such selfish doing;
We will try to put to rout
Smoking, spitting, chewing.

Any Old Thing.
"Has your husband given much thought to the political situation?" said one woman.
"Yes," replied the other; "I guess he'll take any that's offered him after the election."
"Any what?"
"Any political situation. He says he needs the salary."—Washington Star.

Not Guilty.
Judge—Guilty or not guilty?
Prisoner—Not guilty, boss.
Judge—Ever arrested before?
Prisoner—No, boss. An' I nevah done stole nuffin before, needer.—Harper's Weekly.

DON'T TRUST IT.

Because the weather is mild and the air balmy we cannot count on being rid of rheumatism or neuralgia. The very sudden changes of temperature or exposure to draughts are both likely to increase rather than diminish both complaints. For this reason it is wise at this season to be well prepared for sudden attacks, and to have ready what is known as the best remedy for all visitations of aches or pains. All well regulated households ought to have a nook or corner for a bottle of St. Jacobs Oil. There are other reasons also why this Master-cure should be kept at hand; rheumatism and neuralgia are chronic, acute or in laminary, but to whatever degree of suffering they may come, the old reliable cure is the best for treatment and the surest to give permanent relief.

The wild tribes of the Caucasus, Russia, teach their children the use of the dagger as soon as the youngsters are able to walk. They are first taught to stab water without making a splash.

PHYSICIANS WISE IN THEIR GENERATION.

The above class of scientists recognize and have repeatedly borne testimony, to the efficacy of Hostetter's Stomach Bitters as a remedy and preventive of fever and ague, rheumatism, want of vigor, liver complaint, and some other ailments and infirm conditions of the system. Experience and observation have taught them its value. They but echo the verdict long since pronounced by the public and the press. Only the benefited now are ignorant of America's tonic and alterative.

The largest wolf ever killed in the northern part of Montana was roped and dragged to death near Nashua, Valley county, recently, and measured seven feet from tip to tip.

HOME PRODUCTS AND PURE FOOD.

All Eastern Syrup, so-called, usually very light colored and of heavy body, is made from glucose. "The Golden Drop" is made from Sugar Cane and is strictly pure. It is for sale by first-class grocers, in cans only. Manufactured by the FACTORY COFFEE SYRUP CO., All genuine "The Golden Drop" have the manufacturer's name lithographed on every can.

A French statistician has calculated that the eye travels about 6,000 feet in reading an ordinary-sized novel. No wonder the eye gets tired.

STATE OF OHIO, CITY OF TOLEDO, Lucas County.

FRANK J. CHENEY makes oath that he is the senior partner of the firm of F. J. CHENEY & CO., doing business in the city of Toledo, County and State aforesaid, and that said firm will pay the sum of ONE HUNDRED DOLLARS for each and every case of Catarrh that cannot be cured by the use of HALL'S CATARRH CURE.

Sworn to before me and subscribed in my presence, this 6th day of December, A. D. 1886.
A. W. GLEASON,
Notary Public.

Hall's Catarrh Cure is taken internally and acts directly on the blood and mucous surfaces of the system. Send for testimonials, free.
F. J. CHENEY & CO., Toledo, O.
Sold by Druggists, 75c.
Hall's Family Pills are the best.

Mr. Levat informs the Academic des Sciences that steel tempered in commercial carbonic acid is much superior to that tempered in water.

We will forfeit \$1,000 if any of our published testimonials are proven to be not genuine. THE PISO CO., Warren, Pa.

An electric underground railway under the present one is the latest project suggested in London. It would be used for express trains only.

To aid in filing saw teeth straight a new fileholder has a frame with two parallel guides, between which the file is fastened to make it run true.

Two cows, two pigs, eighteen hens, a greyhound pup and a bull were given to an agent by an Abilene (Kansas) farmer for a cabinet organ.

While chopping wood a farmer living near Springfield, Ontario, Canada, was struck in one eye by a chip and made wholly blind in both eyes.

A man who has tried it says that two or three dandelion leaves chewed before going to bed will always induce sleep, no matter how nervous or worried a man may be.

WHEAT Make money by successful speculation in Chicago. We buy and sell wheat there on margins. Fortunes have been made on a small beginning by trading in futures. Write for full particulars. Best of reference given. Several years' experience on the Chicago Board of Trade, and a thorough knowledge of the business. Downing, Hopkins & Co., Chicago Board of Trade Brokers. Offices in Portland, Oregon, Spokane and Seattle, Wash.

RUPTURE and PILES cured; no pay until cured; send for book. DR. MANFIELD & PORTERFIELD, 328 Market St., San Francisco.



Certain Cure
Is your back weak? Have you Rheumatism or Kidney Trouble? Try Sanden's Electric Belt.

All other means have failed, but the thousands who have told of their cures by Dr. Sanden's Electric Belt give evidence that after everything else has been tried without results, the famous Belt will cure if a cure is possible. It has great electric power, is warranted to last one year, and is applied by a regular practicing physician. Those who use it have the benefit of Dr. Sanden's knowledge free of charge.

HERE IS A LATE CURE.
After suffering tortures from rheumatism, lame back and weak kidneys, I was induced to try your belt, and I would not give it up now for \$50 if I could not get another. My troubles had annoyed me for years, and my back was so weak I could not lift twenty-five pounds. The belt knocked the pain out in six weeks and the rheumatism in three, and I have not felt a return of either since then. I laughed at the idea when a friend of mine told me your belt would cure me, but I am changed now, and am talking for myself.—E. J. BURKE, S. F., Cal., April 27.

We have Thousands of Testimonials like the above at our offices. It has been prepared by Dr. Sanden, and contains valuable information to the young and old of both sexes, fully illustrated, and priced at and particulars about belts.
SANDEN ELECTRIC BELT CO., 253 West Washington St., Portland, Or.
When writing to Advertiser please mention this paper.

BROKEN DOWN HEALTH AND SPIRITS

—the unhappy and hopeless condition of many a wife and mother in the country home, all because they have not tried a remedy that is within their easy reach. One which has brought more health, happiness and sunshine into life than any remedy ever known. Its name is

WILLIAMS' SALT CURE

It never fails in BRIGHTS DISEASE, URINARY DISEASES, FEMALE COMPLAINTS, GENERAL DEBILITY, AND MALARIA.

It is a purely vegetable preparation, and numbers its cures by thousands. Try it and walk in newness of life.

Large sized bottles or new style smaller ones at your nearest store.

Eczema All Her Life.

Mr. E. D. Jenkins, of Lithonia, Ga., says that his daughter, Ida, inherited a severe case of Eczema, which the usual mercury and potash remedies failed to relieve. Year by year she was treated with various medicines, external applications and internal remedies, without result. Her sufferings were intense, and her condition grew steadily worse. All the so-called blood remedies did not seem to reach the disease at all until S.S.S. was given, when an improvement was at once noticed. The medicine was continued with favorable results, and now she is cured sound and well, her skin is perfectly clear and pure and she has been saved from what threatened to blight her life forever.

S.S.S. (guaranteed purely vegetable) cures Eczema, Scrofula, Cancer, Rheumatism, or any other blood trouble. It is a real blood remedy and always cures even after all else fails.

A Real Blood Remedy.

Take a blood remedy for a blood disease; a tonic won't cure it.

Our books on blood and skin diseases mailed free to any address. Swift Specific Co., Atlanta, Ga.

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Given Vigor, Health, Life and Strength. Easy to take and effective. Used and sold everywhere. If your druggist or merchant has not in stock the genuine remedy, which we will cure you for 9 per cent, address Purifier's Oregon Blood Purifier, Portland, Or. Send \$1 for a bottle or \$5 for a half dozen bottles and we will prepay express.

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We carry the most complete line of Gymnasium and Athletic Goods on the Coast. SUITS AND UNIFORMS MADE TO ORDER. Send for Our Athletic Catalogue. **WILL & FINCK CO.,** 818-820 Market St., San Francisco, Cal.

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