

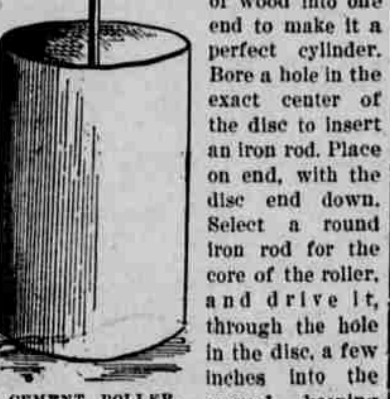


**Farm Conveniences of Cement.**  
The use of cement for stable floors is becoming more and more general each year. There are other uses for the same material about a farm, two of which are suggested in the accompanying illustrations. One is a cement watering trough made by using two wooden boxes of different sizes to form a mold. Put in a thick layer of cement, sharp sand and sharp gravel well mixed upon the bottom of the larger box, then set upon this the smaller box, as



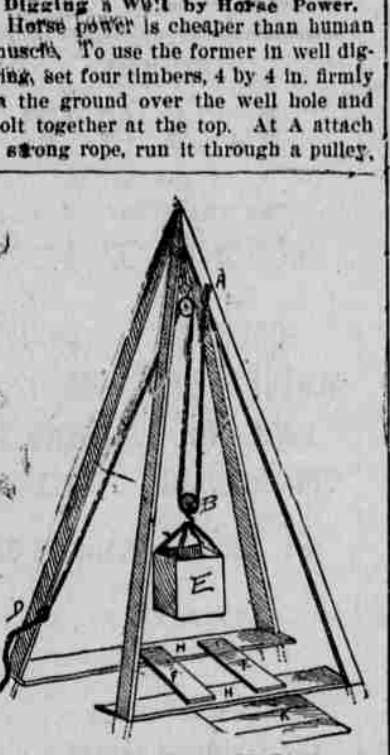
**CEMENT WATERING TROUGH.**

shown in the first picture, and fill in about the sides. If a vent is desired, in the bottom or side, put a round bit of wood in the position where the opening is desired, as the cement is being filled in. The second convenience is a lawn and garden roller. Get a sheet of sheet iron and fit a disc of wood into one end to make it a perfect cylinder. Bore a hole in the exact center of the disc to insert an iron rod. Place on end, with the disc end down. Select a round iron rod for the core of the roller, and drive it, through the hole in the disc, a few inches into the ground, keeping the rod exactly in the center of the cylinder at the top. The mold, as seen in the second illustration, is now ready to fill with cement. A light handle is attached to the iron center, and the roller is complete. Use the best cement, the sharpest of sand and gravel and mix thoroughly, that every particle of the cement may be wet. Round off all sharp edges when the articles are taken from the molds.



**CEMENT ROLLER.**

**Digging a Well by Horse Power.**  
Horse power is cheaper than human muscle. To use the former in well digging, set four timbers, 4 by 4 in. firmly in the ground over the well hole and bolt together at the top. At A attach a strong rope, run it through a pulley,



**WELL DIGGING MADE EASY.**

as at B, through another suspended from the top of the framework, and finally through a pulley at D and to the whiffletree. The horse can easily raise the dirt which is shoveled into the box or other carrier, as at E, after being lowered. Two 2 in. boards are laid as at H H in the cut. F F are also 2 in. boards, fastened at one end and loose at the other so they can be spread apart to allow the box E to descend into the well. When it comes up loaded they are again placed as shown in the illustration and the box rests upon them. The track, K, is of plank and convenient for drawing the box over it to be emptied. A small truck can be run under the box after it is raised, over the track K and on the cross pieces F F. This makes unloading much easier. A short sled, built after the fashion of a stone boat, has also been found convenient for dragging it away by horse.—Farm and Home.

**Well-Managed Orchards.**  
An orchard well managed may be made to pay several times as much for the land occupied and the labor spent as the best field on the farm. But it will be a poor investment if it is neglected and suffered to go to ruin. Cultivation is indispensable to enable the soil to contribute its fertility to the trees. The surface must not be left untouched to become covered with rank weeds or moss, to lie bare and barren. There is nothing better than a crop of clover, and this should be permitted to die down and decay on the surface. A plow should never be suffered in an orchard, says the New York Times. Only the surface should be stirred, lest the

fine feeding roots may be injured and the trees checked in their growth. A good harrowing in the fall and two or three in the summer will be all the cultivation an orchard requires.

**Feeding Stock on Browse.**  
In times of scarcity cattle are sometimes driven to the woods and allowed to feed on the twigs of young trees growing near the ground, or of the top boughs of trees that have been felled for this purpose. The bass wood is the best of trees for this purpose, though twigs of the beech were often thought nearly as good. It is on such feed as this that deer largely subsist in cold weather, when the snow is too deep for them to reach the ground. But if much stock has to be kept on browse, it requires more labor than to cut and cure hay after the ground has once been seeded, and the hay is also much more nutritious than the twigs, which are very largely only woody fibre.—Exchange.

**Farming with One Horse.**  
There are already very many small farms where the expense of keeping two horses is greater than the profit from the land will stand. As population becomes more condensed the number of such farmers is sure to increase. With light plows suitable to be drawn by one horse a good deal of plowing may be done. If still faster plowing is desired, two farmers, each working a single horse, may unite their forces. This is the way that French farmers do, and we have seen the same practice near some American cities. It is chiefly in drawing manure that the two-horse team is most essential, for it is the practice to make the manure box very large so that two good horses are required to draw it.—Cultivator.

**What to Do with Fat Hens.**  
When a hen becomes very fat she not only is a poor layer, but will become broody, have leg weakness, and be unfit for anything but the pot. Such hens should be fed only once a day, at night, the meal to consist of a pound of lean meat to twenty hens, with a handful of grain scattered for them to hunt up. They will then be hungry during the day, will search and work for food, while the inducement of a few grains thrown out at night will cause them to keep at work until late. Meat contains little fat-producing elements, if lean, and will greatly promote laying as soon as the surplus fat is removed, which can only be done by compelling the hens to exercise.

**Planning for Soiling.**  
It is very rare of late years that a season is found when there is good pasture all through the year. Usually the dry spell comes late in summer or early in the fall, just the time when the best soiling crops are ready to help out the deficiencies of pasture. The reason why more farmers do not sow soiling crops in spring is because their land is not ready to produce the crop that will make soiling profitable. Preparations for soiling ought to begin at least the fall or winter before. Draw out and spread a good coating of manure on land to be drilled with corn next spring, and it will do far more good than if the manure were applied then.

**How to Improve a Lawn.**  
Lawns can be kept green and thickest without the use of stable manure. City and village people who have a few square rods of grass, usually imagine it necessary to keep the plot covered for weeks with badly scented and ill-looking manure, when the fact is that one-half the money's worth of nitrate of soda and powdered phosphate of lime will answer better and create no nuisance. They furnish to the soil what is most needed, an alkali, phosphoric acid and nitrogen. Both of them are inodorous and show their effects immediately on application.—New York Tribune.

**Horse Notes.**  
If you raise the right kind of horses the buyer will hunt you up.  
See that the shoer fits the shoe to the foot, and not the foot to the shoe.  
The cause of a vicious disposition in a horse is often rough treatment in grooming.  
Too much feed is as bad as too little, especially when the horses have but little to do.

Never allow anyone to tickle or tease your horse in the stable. The animal only feels the torment, and does not understand the joke.  
The farmer who has the care of young colts should make up his mind not to let them lose a pound of flesh at weaning time. The colt should pass his first winter in the best of condition, and without a hitch in his growth.—Western Rural.

**Poultry Points.**  
Filthy houses—lice.  
Wet weather—plp.  
Misty food—canker.  
Overfeeding—apoplexy.  
Impure water—cholera.  
High roosts—bumble foot.  
Damp quarters—diarrhoea.  
Close confinement—debility.  
High feeding—leg weakness.  
Drafts in the henery—roup.  
Want of exercise—black rot.  
Pullets are not good breeders.  
Unwholesome diet—indigestion.  
Exposure to cold—rheumatism.

**The French Queens.**  
Of sixty-seven queens of France only thirteen have died without leaving their histories a record of misery. Eleven were divorced, two executed, nine died young, seven were soon widowed, three cruelly treated, three exiled; the poisoned and broken-hearted make up the rest.  
You can make lots of headway sometimes by admitting you are wrong when you are not.—Life.

**Tea is better fresh—if it isn't, what does the grocer mean by telling you that he has some tea just come from abroad?**  
Fresh doesn't mean just picked; it means just roasted. *Schilling's Best* is roasted as fast as your grocer wants it—no faster—in San Francisco.

A Schilling & Company San Francisco 473

**Gladstone's Advice to Young Men.**  
Be sure that every one of you has his place and vocation on this earth, and that it rests with himself to find it. Do not believe those who too lightly say: "Nothing succeeds like success." Effort, honest, manful, humble effort, succeeds by its reflected action, especially in youth, better than success, which, indeed, too easily and too early gained, not seldom sows, like winning the throw of the dice, to blind and stupefy. Get knowledge, all you can. Be thorough in all you do, and remember that though ignorance often may be innocent, pretension is always despicable. But you, like men, be strong and exercise your strength. Work upward and upward, and may the blessing of the Most High soothe your cares, clear your vision, and crown your labors with reward.

**MOTOR AND MISERY.**  
Compressed air as a motive power for street railways will in time supersede electric wires and the trolley. Necessity and invention make rapid changes, but some old, sure, unerring methods will hold good for all time. The nerves are the electric wires of the human system, and often "jangle out of tune," as when neuralgia slips the trolley of the system and it grinds and groans with pain. The old motor for the cure of pain, St. Jacobs Oil, will always act as electric influence on the pain stricken nerves, and will send a current of cure through the disordered wires, and bring about a perfect restoration. Nothing new can improve upon what is known to be the best and surest in the treatment of painful diseases.

William B. Phillips, of New Madrid, Mo., is credited with a total of 1,350 squirrels in three days' hunting on Little river.

**ONE SECRET OF LONGEVITY.**  
Those anxious to prolong this rapid transitory existence of ours beyond the average span, should foster his digestion, negatively by abstaining from indigestions in diet, and affirmatively by use of that peerless stomachic, Hostetter's Stomach Bitters, when he experiences symptoms of indigestion. The impairment of the digestive function is fatal to vigor, and leads to the biliousness, fever and ague, biliousness and colic.

Typhusantitoxine is the latest medicinal discovery. It is alleged to be a sure preventive for typhus fever.

For lung and chest diseases Plac's Cure is the best medicine yet have used.—Mrs. J. L. Northcott, Windsor, Ont., Canada.

**CATARH CANNOT BE CURED**  
With LOCAL APPLICATIONS, as they cannot reach the seat of the disease. Catarrh is a blood or constitutional disease, and in order to cure it you must take internal remedies. Plac's Catarrh Cure is taken internally, and acts directly on the blood and mucous surfaces. Plac's Catarrh Cure is not a quick medicine. It is prescribed by one of the best physicians in the country for years, and is a regular prescription. It is composed of the best tonics known, combined with the best blood purifiers, acting directly on the mucous surfaces. The perfect combination of the two ingredients is what produces such wonderful effects in curing Catarrh. Send for testimonials, free.  
F. J. CHENEY & CO., Props., Toledo, O.  
Sold by druggists, price 75c.  
Hall's Family Pills are the best.

The light of the moon is only about one-six hundred thousandth that of the sun.



**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 every where 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 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.

**SURE CURE FOR PILES**  
INDISPENSABLE TO ANY PILE SUFFERER. "AWAY WITH MARKS!" Dealer's Best. Sample, 50c. One dozen, \$5.00. By Mail. Agents Wanted. Portland, Or., U.S.A.

**PRINCE OF MAGICIANS.**

The Great Herrmann Could Not Juggle with Death.  
The theatrical world and the thousands who had witnessed his wonderful art were shocked by the news that Prof. Alexander Herrmann, the great magician, had died suddenly. He was in his private car on the Buffalo, Rochester and Pittsburg Railroad and



PROF. HERRMANN.

going from Rochester to Bradford, Pa., where he was to give a performance that evening. At Elllettsville, Cattaraugus County, it was found that he was ill. A physician was called, but Herrmann was dead before he arrived. Up to that time he was in the best of health, having played in Rochester the night before. Heart trouble was the cause of death.

The name of Herrmann in connection with conjuring is over a century old, the art having been passed from father to son and from brother to brother. Alexander was born in Paris 50 years ago. His father was a distinguished German physician, but his knowledge of magic equaled that of medicine. His oldest son, Carl, 25 years the senior of Alexander, became famous as a magician when the latter was but a child, and he taught his brother. At 11 the pupil was more clever than the master and at 14 he made his debut before the Queen of Spain. Early in the '60s Alexander came to this country and here he had since lived, being naturalized in 1876. He made three tours of the world and spoke Spanish, German, French, Chinese and Russian as well as English. He made and lost fortunes, built and sold theaters and at the time of his death owned a villa and park on Long Island, several horses and a fine steam yacht. He belonged to over 100 clubs in Europe and America.

**RODE ON A DEER'S ANTLERS.**

A Hunter's Exciting and Perilous Adventure in California.  
William M. Stover, a mine owner in Tuolumne County, California, had an experience, recently, that he would not wish to repeat for all the wealth in the mountains of the State. While out hunting near the Stanislaus River he shot at a deer that was standing on the crest of a hill. The bullet went straight, and the deer plunged forward and fell. Mr. Stover laid his rifle down and hastened to his fallen game for the purpose of cutting its throat. Just as he reached the deer and leaned over to apply the knife, the animal leaped to his feet and glared at Mr. Stover. Instantly the man seized the beast by the horns. This action terrified the buck. He made a plunge, and down the steep sides of Devil's canyon he went, carrying the man with him on his antlers. The deer was madly frightened, and Mr. Stover was sore scared than the deer. He could not turn loose, and away went man and animal, over rocks, bushes and briars. When near the bottom of the canyon the deer fell against a tree, and before he could get up, Mr. Stover grabbed a large piece of quartz rock and killed the animal by beating it on the head.



Mr. Stover had his clothes badly torn, and his face and hands were scratched by the bushes like the results of a scrimmage with wildcats. He is unable to tell how he escaped serious injury while going down the side of the rough hill at a breakneck speed. After the deer was dead, an examination showed that the bullet had struck him square upon the horns near the head, which caused him to fall over in a stunned condition.

**Critical Moment.**  
Whittier, the poet, and Lucy Larcom were once driving in a buggy drawn by a restless animal. The horse became more and more vicious, and the buggy swayed like a ship in a storm. But never a word would Lucy spare on the high-erected theme which then engaged her mind. At last Whittier could stand it no longer, and as he redoubled his efforts with the reins, he exclaimed: "Lucy! If thee do not stop talking till I get this horse in hand, there will be to heaven before thee wants to!"  
We defy any man on earth to do up a package the way a woman does it.

**MIRACLES IN MEDICINE.**

The Wonderful Progress Made Within the Past Few Years.

Diseases That Our Mothers Thought Incurable Now Cured by Paine's Celery Compound.

It is difficult, almost impossible, to overestimate the importance of recent advances in medicine and surgery. In surgery there is the application of the X-ray in determining complicated fractures. In medicine there is the serum-treatment for germ diseases, and more important still, the extended use of Paine's celery compound in the treatment of the many diseases that arise from a faulty or impaired nervous system. This class of ailments causes more suffering and earlier deaths than all others, and that is why so much public prominence was at once given to Paine's celery compound when its discovery was first announced by Prof. Phelps of Dartmouth college. The rapid and sure way that Paine's celery compound cures neuralgia, rheumatism and nervous debility is marvelous even in the eyes of this working-quarter of the century. Ancient miracles were contrary to natural laws, whereas the remarkable power of Paine's celery compound to make people well, comes from a better understanding of the natural causes of disease. That wonderful set of nerves known as the "sympathetic nervous system," that knits every part of the body together and harmonizes all, is understood today as never before. Many persons are not aware that any such nerves exist. They do not know that nothing goes on in any part of the body that every other part does not instantly "know of." The closeness of this sympathy is familiarly illustrated by headaches, indigestion, rheumatism, neuralgia, etc. About every case of sleeplessness, nervousness and dyspepsia is a "sympathetic strike" by brain, nerves or stomach, induced by the lowering of the general health. People who think to get rid of these troubles by some medicine that disregards the general health of the body are on the wrong track. In getting such diseases as neuralgia and rheumatism out of the system Paine's celery compound proceeds at once to restore a normal appetite and regulate the nerves, as the foundation for building up the health and vigor. It regulates the bowels without delay, and sees to it that the poisonous humors that are bursting through the skin, in what are, for purposes of classifying, called skin diseases, are given a ready outlet. On this basis purified blood and regulated nerves the permanent cure of every form of blood diseases, such as eczema, salt rheum, bad complexion, is now assured by this really wonderful remedy. If the reader of this is not in perfect health let him simply try a first bottle of Paine's celery compound and carefully note the results.

**Thousands of Tons of Dust.**  
According to the estimates of Mr. J. A. Udden, who has studied the remarkable phenomena of dust and sand storms in the arid regions of the West, every cubic mile of the lower air during an ordinary "dry storm" contains at least 225 tons of dust, while in severe storms of this kind as much as 128,000 tons of dust and sand may be contained in a cubic mile of air. Dust storms sometimes last for twenty or thirty hours.

**Cycle Chair for the Ameer.**  
A strange vehicle, called a cycle chair, has been constructed in London for the Ameer of Afghanistan. It consists of a miniature carriage body, upholstered in green morocco and embellished with the Ameer's arms. This is placed in front of two parallel bicycles, to be propelled by attendants, and is steered by a small wheel in front. Holes are made in the floor, through which the Ameer can exercise his legs on treadles when he feels like it.

**\$250,000 To Be Given Away**  
this year in valuable articles to smokers of **Blackwell's Genuine Durham Tobacco**  
You will find one coupon inside each 2-ounce bag, and two coupons inside each 4-ounce bag. Buy a bag, read the coupon and see how to get your share.

**The Best Smoking Tobacco Made**

**Cheapest Power....**  
Rebuilt Gas and Gasoline Engines.  
IN GUARANTEED ORDER..... FOR SALE CHEAP  
**Hercules Gas Engine Works**  
405-7 Sansome Street San Francisco, Cal..

**Scrofula**  
Is a deep-seated blood disease which all the mineral mixtures in the world cannot cure. S.S.S. (guaranteed purely vegetable) is a real blood remedy for blood diseases and has no equal.  
Mrs. Y. T. Buck, of Delaney, Ark., had Scrofula for twenty-five years and most of the time was under the care of the doctors who could not relieve her. A specialist said he could cure her, but he filled her with arsenic and potash which almost ruined her constitution. She then took nearly every so-called blood medicine and drank them by the wholesale, but they did not reach her trouble. Some one advised her to try S.S.S., and she very soon found that she had a real blood remedy at last. She says: "After taking one dozen bottles of S.S.S. I am perfectly well, my skin is clear and healthy and I would not be in my former condition for two thousand dollars. Instead of drying up the poison in my system, like the potash and arsenic, S.S.S. drove the disease out through the skin, and I was permanently rid of it."  
**A Real Blood Remedy.**  
S.S.S. never fails to cure Scrofula, Eczema, Rheumatism, Contagious Blood Poison, or any disorder of the blood. Do not rely upon a simple tonic to cure a deep-seated blood disease, but take a real blood remedy.

**WHEAT.**  
Make money by successful speculation in Wheat. 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, and Spokane, Wash.

**FRAZER AXLE GREASE**  
BEST IN THE WORLD.  
Its wearing qualities are unsurpassed, actually outlasting two boxes of any other brand. Free from Animal Oils. GET THE GENUINE.  
FOR SALE BY OLEANS AND WASHINGTON MERCHANTS and Dealers generally.

**EVERY MEN**  
Bleached in Petroleum. Thousands use it and all right, and is better prepared to give profit. It is returned because these machines exclusively on body the clothes which produce the greatest number of vigorous children. Success from \$10 up.

**RODS**  
For tracing and locating Gold or silver ore, lost or hidden treasure. S. B. POWELL, Box 347, Huntington, Conn.

**OPIMUM HABIT DRUNKENNESS**  
Cured. DR. J. L. STEPHENS, LEANOR, OHIO.  
FOR PEOPLE THAT ARE SICK OF THE OLD DRUGS. **IMPROVED LIVER PILLS** are the One Thing to use. Only One for a Dose. Sold by Druggists at 25c, a box Sample mailed free. Address Dr. Rossie H. Co., Philadelphia.

**S.S.S.**  
Atlanta, Ga.