

Springs that Fire People out of Cannon.

In 1876 Sig. Farini invented the cannon for firing a performer from its muzzle to a considerable distance, with much noise and smoke, but without any danger to the projectile. The first cannon was operated by India rubber springs, but Farini's patents have covered two other modes of propulsion, one by special springs and the other actually by the force of gunpowder, which in the spring cannons is simply used to keep up appearances. When the performer is to be literally "fired out," a heavy barrel in the breach of the cannon is loaded with about twice as much powder as would constitute a charge for a shotgun. The gases produced by its combustion are set loose in an air chamber at the base of a series of telescoped shells surrounding the person in the cannon. As the shells extend toward the muzzle, like the lengthening of a telescope, they give a rapid impetus to the performer. Near the muzzle two openings are developed, through which pours the black smoke from the explosion, without any danger of burning or blackening the fired out, who is at the moment gyrating through space. The cannon is so arranged that the performer can be fired, and in that case the explosion of a smaller quantity of powder is required, merely to free the spring. Attempts have been made to get up the cannon trick in this country, but it is fully protected by patents, and the modes by which evasions have been sought have not been encouraging. In one case the performer was already darted out into the air when the explosion took place—another "give away," as showmen say, and in the other a rash performer had his legs driven into him.—From the New York Sun.

Mansuring Trees in Winter.

All fruit trees which do not make a growth of two feet for the longest shoots in a season, need additional stimulating with manure if the ground is clean and well cultivated; or if they stand in grass or happen to be encumbered with weeds, good mellow cultivation must be given them. This is the rule for young trees, and the best time, if manure is applied, is late in autumn or during winter, the earlier the better. But manure appears to do the most good on bearing trees, especially apple trees, often giving annual crops where poor and biennial crops were previously borne. Bearing trees need not grow so rapidly as young trees, but if they do not make annual shoots at least a foot long, they need more manure, or both manure and cultivation. The manure may be spread broadcast in winter, covering the whole surface.

Pipes by the Million.

The red clay pipe is made in this city at the rate of two million a year, worth five or ten cents apiece, or ten or twenty thousand dollars. The clay comes from Martha's Vineyard, Governor's Island, N. Y., and Lake Michigan. Three hundred tons are used a year. The three kinds of clay are mixed or ground together. A workman with a pile of clay beside him makes from it single rolls of pipe, each large enough to make one pipe. The next worker places the clay in a pipe mould, runs a wire into the stem part, puts under a lever and makes the bowl. Fifteen hundred a day are moulded by one man. The moulds may be of various designs to form the decorated bowl. The latest is the "Land League," representing a soldier on one side and a prisoner on the other. Pipes, as in other things, novelties must be given the smoking public, and as those interested in Land Leagues are fair smokers this pipe will be bought for use and for patriotism.

After the moulding process the pipes are laid away to dry, and when the water is well out of them they are then put in fire-clay receivers, one hundred and ninety in each, and placed in the furnace or kiln to be burnt. The oven holds seventy thousand pipes. They are then heated to a white heat. The red clay pipes have a wooden stem and a silver band. The stems are made by machinery designed for the purpose. They are made black by the process of enamelling. The band is made from a circular piece of brass without break of section, turned into a cylinder about an inch in length. Some of the other pipes are stained, while others are left in the color of the clay to be stained or colored by the smoker.—Providence Journal.

Ivy And Dampness.

It is a popular error to suppose that ivy growing on the walls of a house makes it damp. The attachment of ivy to walls, so far from injuring them and causing dampness, is an advantage. If the walls are dry when planted, ivy will keep them so. If damp, as the plant overgrows their surface the dampness will disappear. Where dampness prevails ivy sucks out the moisture, and its thick foliage will prevent the access of rain to the structure; and thus it is not only a remover but a preventive of dampness. The planting of ivy on buildings in which dampness occurs in the walls, in which case the shoots and roots will enter, and, if left undisturbed, their growth will soon begin to tell on the building, and, by increase of growth, push against the sides of the opening, thereby enlarging it and eventually weaken the wall as to cause it to fall. Where the wall is sound there is no such danger, for the plant does not make fissures, although quick to discover them.

"Many cases of fever and ague, dumb ague and congestive chills, were promptly arrested and entirely banished by the use of your Simmons Liver Regulator. You don't say half enough in regard to the efficacy of your valuable medicine in cases of ague, intermittent fevers, etc. Every case has been arrested immediately. Believe me, when I say I was a sufferer for years with the liver disease, and only found relief by using your medicine."

—ROBERT J. WEEKS, Bata via, Kane Co., Ill.

An Animated Sledge-Hammer.

One of the most singular incidents that has been recorded in a long time occurred at Pataleska creek, in Talbot county, and not very far from Howard Station. Mr. William Heath was driving a cow and young calf along the road and when they came to the creek the cow stopped in order to drink. On the opposite side of the creek and a few feet off stood a large ram. As the cow was drinking she would frequently lift up her head as if she was uneasy about the calf. The ram took this as a bait to fight, and walking up near the cow reared up and gave her a butt centrally in the head and killed the cow almost instantly. Mr. Heath ran up thinking that the cow would soon recover, as he thought she was only stunned, but in this he was mistaken as it was a death-stroke.



Chills and Fever.

Simmons Liver Regulator soon cures chills and fever, and carries the power out of the system, even when all other remedies fail.

DYSPEPSIA.

The Regulator positively cures this terrible disease. We assert emphatically what we know to be true.

CONSTIPATION.

Should not be regarded as a trifling ailment. Nature demands the utmost regularity of the bowels. Therefore assist nature by taking Simmons Liver Regulator. It is harmless, mild and effective.

PILES.

Relief is at hand for those who suffer day after day with piles. It has never failed, and will cure you.

MALARIA.

Persons may avoid an attack by occasionally taking a dose of Simmons Liver Regulator to keep the liver in good order.

BAD BREATH.

Generally arising from a disordered stomach can be corrected by taking Simmons Liver Regulator.

Jaundice.

Simmons Liver Regulator soon eradicates this painful disease, leaving the skin clear and free from all impurities.

Colic.

Children suffering with colic soon experience relief when Simmons Liver Regulator is administered. Adults also derive great benefit from this medicine. It is not unpleasant; it is harmless and effective. Purely vegetable.

Caution.

No caretaker that you get the genuine Simmons Liver Regulator in its original wrapper, with red Trade-Mark Stamp and Signature of J. H. ZEILIN & CO.

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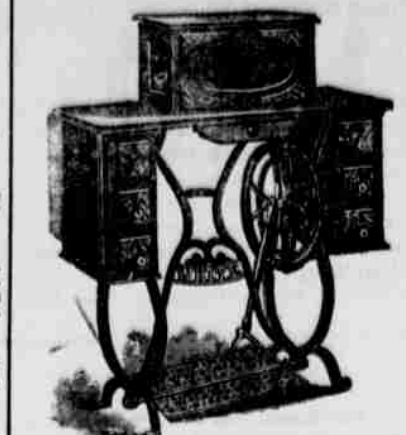
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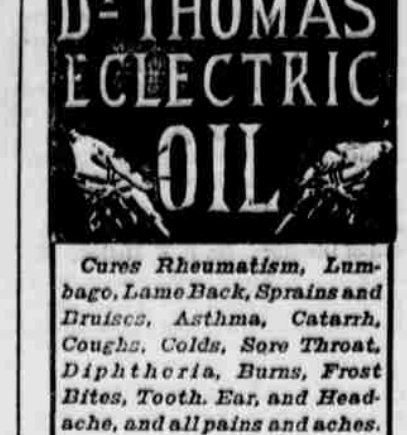
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