

USEFUL AND SUGGESTIVE.

To Peel Peaches.—Dip them a minute in hot water, then in cool, and the skin peels off readily.

To mix oils with water, first combine them with milk, then dilute to the desired degree with water.

Always have the patch run the way of the cloth, set evenly, without puckering. White muslin, etc., should always have a patch of thinner goods than the original material.

Millet is excellent for small chickens, being easily swallowed by them. Sunflower seeds may be fed freely. It promotes laying, increases the gloss of the plumage, and the general health.

Farmers who have tried the use of a few rods of portable fence for making a small enclosure for hogs and moving it around as circumstances require have found it much more profitable than keeping hogs in a pen all the while.

Prepared chalk for the toilet may be made as follows: Tie up in a little cotton bag five cents' worth of common white chalk and boil it all day in clear water. Next day put it in the oven and bake eight or ten hours with a slow fire. It will come out firm, hard and free from impurities.

Sweet apples make delicious pickles. Peel and quarter them, boil them until tender in vinegar and water; to one quart of vinegar add two pounds of sugar; heat the vinegar and dissolve the sugar in it; add cloves and cinnamon, and pour over the apples while hot.

Pepper Sauce.—Take twenty-five peppers, without the seeds, cut them pretty fine, then take more than double the quantity of cabbage, cut like slaw, one root of horseradish, grated, a handful of salt, rather more than a tablespoonful of mustard-seed, a tablespoonful of cloves, the same of allspice, ground; simmer a sufficient quantity of vinegar to cover it, and pour over it, mixing it well through.

Our readers must remember that only recently has it been clearly demonstrated that a dead branch on a tree makes almost as great a strain on the main plant for moisture as does a living one. It is one of the most important discoveries of modern botanical science to the practical horticulturist, as by this knowledge he can save many a valuable tree. When one has been transplanted some roots get injured, and the supply of moisture in the best cases is more or less deficient. Any dead branch, or any weak one, should therefore be at once cut away.

Cure for Lockjaw.—Here is the Scientific American's remedy for lockjaw. It is certainly very simple, and easily tried: "Let any one who has an attack of lockjaw take a small quantity of turpentine, warm it and pour it on the wound, no matter where the wound is, and relief will follow in less than a minute. Nothing better can be applied to a severe cut or bruise than cold turpentine; it gives relief almost instantly. Turpentine is also a sovereign remedy for croup. Saturate a piece of flannel with it and place the flannel on the throat and chest, and in every case three or four drops on a lump of sugar may be taken inwardly."

What Causes the Blood to Circulate.

To what degree the heart is aided by other forces is yet a matter of investigation. Probably there are several forces assisting. The elasticity of the arteries increases their carrying capacity. They are firm, elastic tubes, which expand under the pressure from each heart-contraction, and then by their own elasticity contract and help the onward flow of the blood. In the smaller arteries the flow loses the intermittent character it possesses in the larger arteries, and becomes a steady stream. The elasticity of the arteries serves precisely the purpose as the air-chamber of any force-pump, that of equalizing the flow, and so increasing the amount delivered. The whole force is derived from the heart; the arteries cause the force to act continuously.

The veins are lax tubes, somewhat larger than the arteries, and capable of holding all the blood of the body. They convey the same amount of blood as the latter, but more slowly. In the larger veins, however, near the arteries, the velocity may be two hundred millimeters per second. They are provided with valves which effectually prevent the blood from flowing backward toward the heart. Any compression, produced by muscular contraction, or otherwise, will, therefore, assist the forward flow of venous blood. This is one explanation why exercise hastens the circulation. The movement of the chest in breathing probably aids the pulmonary circulation, the blood, as well as the atmosphere, tending to fill the vacuum during inspiration.

Physical capillary force is not generally regarded as an active force in the circulation. But there is an admitted force in the capillaries, resulting from the attraction of the tissues for the arterial blood, containing the required oxygen and nutriment. "The vital condition of the tissue becomes a factor in the maintenance of the circulation." It is this force, primarily, which adapts the amount of blood to the varying needs of any organ; the nervous system regulates the supply by varying the caliber of the vessels.

The force in the capillaries, or some other force, carries the blood, after leaving from the arteries, where the heart leaves it, into the veins. Finding arteries empty after death gave rise to the idea that they conveyed only air; hence the name. It was this belief that Harvey overthrew in 1629.

The Demand for Bullet-Proof Vests.

The following letter was recently received at the Sun office from Indian Territory: "I have the honor of addressing you a few lines in regard to what is commonly called a steel jacket. I am an officer of this country, and there are so many desperadoes to contend with there have been three officers killed here in the last six weeks that you will oblige me by letting me know where I can get such a jacket."

A Sun reporter visited gunsmiths' shops to learn whether life-saving apparatus was known to the trade as well as life-destroying appliances. He visited eight first-class shops of this kind, and no one in them had ever heard of such steel jackets made or sold in this country. Some bullet-proof vests, it was said, had been made at one time by a firm in London, which is now out of the business. Such things are made now in Paris, and might be imported.

At two shops, one on Broadway and the other on Maiden Lane, it was said that such jackets had been made in America. In the Broadway establishment the proprietor described a vest that had been much used, he said, by officers in the late war. The vests were made to order, and were sent to the front. Privates never bought them, because they were expensive. Cavalry officers especially bought them, not only because they were heavy, but also because they kept the body as stiff as though it was in a steel jacket. The tailor's work was simply to make strong pockets on each side that reached to the bottom of the military jacket in front, and well around on each side. Solid plates of steel were slipped into the pockets, and when the jacket was buttoned the plates met in front. They reached from the collar bone to the groin. The steel plate was little more than twice as thick as a blotting paper. The inventor tested these plates by putting them into an old jacket, buckling it around a tree, and firing at it at point blank range. It was found that a twisting ball from a rifle would go through them as though they were sheets of paper, but a pistol ball, even at close range, would be stopped and the plate indented. A bayonet or knife would make no impression. This bullet-proof vest weighed about five pounds.

In the Maiden Lane shop it was said by the proprietor that chain armor vests had been made by him, although none were kept in stock, and the proprietor did not seem to be over-anxious to receive an order for one. It was more bother than it was worth to make them, he said, since inquiry was made for such wares only three or four times in a year. The inquiries always came from the Southwestern States, especially from Texas. The vests were made, the proprietor said, in this city by a man in the employ of this firm. The workman's name the proprietor refused to divulge, saying that the man was an artist in this and in other ways, and that it wouldn't be for the interest of the firm to make his name public. "The skill required to make these vests," continued the proprietor, "lay in the necessity of making a garment of steel that would fit the person so that it could be worn under the clothing without attracting attention by any bulging, wrinkles or bagginess in its appearance. The manufacture of a shirt of this armor is begun by linking four very short steel links into a central circle of steel. These four links point outward to the four points of the compass, and into the outer ends are linked other steel circles, and so on outward in every direction. By making the links longer or shorter, or by leaving out one here and there, the garment, which is sleeveless, is molded to the artist's design."

Ancient and Modern Proposals. NEW STYLE. Her eyes shone a beautiful, joyous light when he leaned forward and said: "Julia, I have something confidential to tell you."

"What is it, Augustus?" she asked, in a low, silvery voice—a kind of German silvery voice.

"Well, Julia, to be frank with you, I think"—and then he seemed to be thinking. "I think," he said, "that under some circumstances I might love you. Now, do you love me?"

"Yes, Augustus, I do love you—you know I do," and she flung her alabaster arms around his neck.

"I am very glad, Julia," he said, "for I like to be loved."

"Well, Augustus?"

But Augustus never said another word. Fashionable fellows never say more than that nowadays.

They were never married.

OLD STYLE. "May I call you Paula?" he asked, modestly.

"Yes," she said, faintly.

"Dear Paula! may I call you that?"

"I suppose so."

"Do you know I love you?"

"Yes."

"And shall I love you always?"

"If you wish to."

"And will you love me?"

Paula did not reply.

"Will you, Paula?" he repeated.

"You may love me," she said again.

How To Get Sick. Expose yourself day and night, eat too much without exercise; work too hard without rest; doctor all the time; take all the vile nostrums advertised; and then you will want to know.

Which is answered in three words—Take Hop Bitters! See other column.—Express.

"You can't come it," is what the astronomer says to our aerial stranger, as they observe his departure after vain efforts to reach the earth.

"Mother Has Recovered," wrote an Illinois girl to her Eastern relatives. "She took bitters for a long time but without any good. So when she heard of the virtues of Kidney-Wort she got a box and it has completely cured her Liver complaint."—Health and Home.

Red-bugs, Roaches, Rats, cats, mice, ants, flies, insects, cleared out by "Rough on Rats" 15c, druggists.

If afflicted with Sore Eyes, use Dr. Isaac Thompson's Eye Water. Druggists sell it, 25c.

REDDING'S RUSSIA SALVE is the universal remedy for burns, scalds, cuts, bruises, etc.

SAVE your wagons, your money and your patience by using Frazer Axle Grease.

THERE is a marked difference between an American hostman and an American owlbill-man.—De Wolf Foss.

The man who goes to a picnic and discovers the loss of his 25 bill just after treating seventeen handsome girls to the delicacies of the occasion has some slight idea of how it feels to be run over by a wagon-load of hay.

THERE was a fat fellow in Harwich who asked a stout lady in marriage: "But starting for church, I was late. There being no room in the church, I went to the graveyard."—Boston Transcript.

"PRETTY nice thing in your paper this morning," said Fogg to the editor of the Boston Herald. "Yes," said the editor, indignantly, his face glowing up with a glow of pleasure, "I suppose you refer to my leader on the situation?" Fogg shook his head. "Or perhaps it was that neat paragraph about the Bungtown Railroad?" "No," said Fogg, "it was a pound of beefsteak that I took home for breakfast. Nicest thing I ever saw in the Herald, from home." And Fogg went off smoking, while the editor lodged the police all the way home; he looked so much like a red-handed murderer that he expected to be arrested at every corner.—Boston Transcript.

"AMANTHA," he murmured, with pathos in his voice, "why do you quiver at my touch? Why do you shrink from my embrace as the startled fawn trembles at the rustling of the autumn leaves?" "I've been vaccinated," she said.

DR. THOMAS D. SPENCER says a man's birth is more painful than his death. This may be so, but we would rather be born twice than to die once.—Narrator's Herald.

RETH, although of a retiring disposition, succeeded as a cleaner in getting as good Boaz as any of them.

A HIPPOCRIT begins by cheating himself, and ends by trying to cheat others.—Josh Billings.

QUEEN VICTORIA does not like the Bartlett tail.—Victoria Courier.

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