

SCIENTIFIC AND USEFUL.

A GLUE which will resist the action of water is made by boiling 1 lb of glue in 2 qts skimmed milk.

LIME water will relieve the burning sensation caused by wasp stings, but ammonia will be found more efficacious.

BOILED linseed oil will protect instruments and tools (files, saws, guns, etc.) from rusting. Wipe the metal with a cloth deeped in the oil, and let it dry, which will require only a few minutes.

SAVE SOMETHING.—Whatever your income may be, try to save something. A ribbon less, a jewel less, a silk dress less, according to your style of living, will never hurt you; and a little put by, now and then, will make a tidy sum after a few years.

FALSE PRIDE keeps many a man always in anxiety. His income allows a moderate style of living, but he is ashamed of living within it. He must be stylish. So there is neither peace in his heart nor rest in his brain, and bills he cannot pay are for ever becoming due, and duns are always at his door.

A SIMPLE method of detecting adulteration in ground coffee is to strew the powder on the surface of cold water. The oil contained in the coffee prevents the particles from being readily wetted by the water, thus causing them to float. Chicory, burnt sugar, &c., contain no oil, and their caramel is quickly extracted by the water, with production of a brown color, while the particles themselves rapidly sink to the bottom of the water.

To polish brass, rub the metal with rotten stone and sweet oil, then rub off with a piece of cotton flannel, and polish with soft leather. A solution of oxalic acid rubbed over tarnished brass soon removes the tarnish, rendering the metal bright. The acid must be washed off with water, and the brass rubbed with whiting and soft leather. A mixture of muriatic acid and alum dissolved in water imparts a golden color to brass articles that are steeped in it for a few seconds.

A CORRESPONDENT of the *Journal of Applied Chemistry* suggests, that considering the important discoveries which had been made in chemistry in 1774, it may be considered the year which gave birth to modern chemical science, and, as centennial celebrations have now become so fashionable, he recommends that some public recognition of the progress of chemistry, during the last hundred years, be made during the present summer by the scientific community.

A SIMPLE DISINFECTANT.—One pound of green copperas, costing seven cents, dissolved in one quart of water, and poured down a water-closet, will effectually destroy and concentrate the foulest smells. On board ships and steamboats, about hotels and other public places, there is nothing so nice to purify the air. Simple green copperas, dissolved in anything under the bed will render an hospital, or other places for the sick, free from unpleasant smells. In fish-markets, slaughter-houses, sinks, and whenever there are offensive gases dissolve copperas and sprinkle it about, and in a few days the smell will pass away. If a cat, rat or mouse dies about the house, and sends forth an offensive gas, place some dissolved copperas in an open vessel near the place where the nuisance is, and it will purify the atmosphere. Then, keep all clean.

PARAGRAPHS WORTH REMEMBERING.—Benzine and common clay will clean marble.

Castor oil is an excellent thing to soften leather.

Lemon juice and glycerine will remove tan and freckles.

A dose of castor oil will aid you in removing pimples.

Lemon juice and glycerine will cleanse and soften the hands.

Spirits of ammonia, diluted a little, will cleanse the hair very thoroughly.

Lunar caustic carefully applied so as not to touch the skin, will destroy warts.

Powdered nitre is good for removing freckles. Apply with a rag moistened with glycerine.

To obviate offensive perspiration wash your feet with soap and diluted spirits of ammonia.

The juice of ripe tomatoes will remove the stain of walnuts from the hands without injury to the skin.

Cold Feet.—Dip them in cold water, and then rub them till you get the surface of the skin in a glow. Never go to bed with cold feet.

THE warmth of clothing the *London Medical Record* tells us, is the subject of a curious treatise by Dr. Von Pettenkofer. He has pointed out that the permeability of stuffs to the air is a condition of their warmth. Of equal surfaces of the following materials, he found that they were permeated by the following relative quantities of air, the most porous, flannel, such as is used ordinarily for clothing, being taken at 100 :—Flannel, 100; linen of medium fineness, 58; silk, 40; buckskin, 58; tanned leather, 1; chamois leather, 51. Hence, if the warmth of clothing depend upon the degree in which it keeps out the air from our bodies, then glove-kid must be 100 times warmer than flannel, which every one knows is not the fact. The whole question, then, is resolved into that of ventilation. Our clothing is required, not to prevent the admission of the air, but to regulate the same so that our nervous system shall be sensible of no movement in the air. Further, our clothes, at the same time, regulate the temperature of the contained air, as it passes through them, so that the temperature of the air between the clothing and the surface of our body averages 84 deg. to 86 deg. Fahr.

HINTS FOR THE HOUSEHOLD.

WINE STAINS.—The best thing for immediate removal of port wine stains on linen is sherry. If only required to be removed at the washing, common salt is best.

The best way to treat port wine stains on linen, is to well rub salt on the spot as soon as possible, then put it in boiling milk, and soak for twelve hours, after which wash in rain water, and dry.

POTATOES PRESERVED BY SCALDING.—Potatoes have been well preserved by simply scalding them for two or three minutes, and then well drying them. They will keep well and store well also on ship board.

TO WASH SILK HANDKERCHIEFS.—Wash them in cold rain water with a little curd soap, then rinse in rain water (cold), slightly colored with stone blue; wring well, and stretch them out on a mattress, taking them out tightly.

SPONGE CAKE.—The weight of 5 eggs in loaf sugar, and of 3 in flour. Beat the whites of the eggs separately from the yolks; after mixing them together, add the sugar, beat twenty minutes, then add the flour. Bake one hour and a half in a slow oven.

SNOW PUDDING.—Dissolve half a box of gelatine in one pint of cold water; add one pint of warm water, two cups of sugar, and juice of two lemons. Let it come to a boil, and when cool add the whites of three eggs beaten to a froth and the grated peel of one lemon. Serve cold with sugar and cream.

MERINGUES.—The whites of 6 eggs beaten to a froth, then add six spoonfuls of sugar; mix well and quickly; drop it in the shape of eggs on writing paper, bake it upon a board in the oven; when they are a pale brown take them off the board, and take out the inside with a spoon; dry them quickly before the fire, and when wanted fill two either with whipped cream or preserve, and put them lightly together.

FRENCH MUSTARD.—Mix a quart of brown mustard-seed with a handful each of parsley, chervil, tarragon, and burnet, a teaspoonful of celery seed, and cloves, mace, garlic, and salt according to taste. Put the whole into a basin, with enough wine vinegar to cover the mixture. Let it steep twenty-four hours, then pound it in a marble mortar. When thoroughly pounded, pass it through a fine sieve; add enough vinegar to make the mustard of the desired consistency, and put into jars for use.

ONION SAUCE.—Take two dozen of large, or three dozen of small silver onions, peel them, take off the first coat, split them and throw them into cold water, and boil them till they are tender, changing the water twice, then squeeze and rub them through a colander. Put into a stewpan half a pound of butter, or a quarter of a pound of butter and a gill of cream, dredge in carefully a little flour and a little salt, throw in the onions, and shake them up gently till the mixture is smooth; keep stirring all the time.

RESTORATIVE JELLY.—Put into the jar in which the jelly is to be kept two ounces of isinglass, two ounces of white sugar candy, half ounce of gum arabic, and half ounce of nutmeg grated. Pour over them a pint and a half of port wine. Let it stand for twelve hours, then set the jar in a saucepan of water, and let it simmer till all the ingredients are dissolved, stirring it occasionally. The jelly must not be strained. A piece the size of a nutmeg to be taken twice a day. If nutmeg is not liked any other spice will do as well to flavor it.

CAULIFLOWER AND CHEESE.—Boil the cauliflower. When done put on the stop a tablespoonful of grated cheese and ½ oz. of butter in small pieces. Melt it well into the cauliflower before the fire or in the oven, slightly browning it. As a sauce for it mix a teaspoonful of flour, 2oz. grated cheese, 2oz. melted butter, two tablespoonfuls of cream or milk, two well-beaten eggs. Stir all well together in a saucepan over the fire, and strain through a colander if not perfectly smooth. The cauliflower is boiled, and then cut into small pieces, without any of the leaf. Put the pieces into a good smooth white sauce, on the top sprinkle some finely-grated cheese, and put the cauliflower into the oven for a few minutes to brown. If liked, pieces of toasted bread can be served under the cauliflower as with vegetable marrow.

MOTHER'S HOUSE.—How many happy thoughts are called up by those two beautiful words! Is there—can there be any place so full of pleasant places, beneath the waving palms of sunny isles, or in the chilling shadows of icy mountains? Our heart turns with unchangeable love and longing to the dear old house which has sheltered us in childhood. Kind friends may beckon us to newer scenes, and loving hearts may bind us fast to pleasant homes; but we are not satisfied with them alone, for there is one place more fair and lovely than them all, and that is the beloved "mother's house." Here we have watched life come and go. Here we have folded still, cold hands over hearts as still, that once beat full of love for us. Here we have welcomed brothers and sisters into life, watched for the first lisping words from baby lips, guided the tottering baby feet from helplessness to manhood, and here we have watched, with aching hearts, to see the dear ones turn from the home nest out into a world which has proved but a snare and a temptation to many wandering feet; and here we gather strength to take up our lives again, and go on patiently unto the end. But though the world call us, and we may find friends good and true, we turn to the dear old home when troubles come for help and comfort.

HUMOROUS SCRAPS.

MEN OF THE TIME.—Clock-makers. The paper containing many fine points.—A paper of needles.

DENTAL.—No professional man lives so much from hand to mouth as a dentist.

HOW TO TURN PEOPLE'S HEADS.—Come into a concert late and with creaky boots.

A HEARTY knight is sir-lolin; a suspicious one is sur-mise; a cowardly one is sur-render.

WHERE is the man who can always get bread when he kneads it.—You will find him in the baker.

"**MAN** is a mystery," said a young girl to her beau. "Yes, my dear," he replied, "and a girl is a miss-ery."

"**I** was very near selling my boots the other day," said John, to a friend.—"How so?"—"Well, I had them half-soled."

A NEW YORK editor's pistol having been stolen, he advertises that if the thief will return it he will give him the contents, and no questions asked.

SCANDALOUS.—A young lady, who is partially deaf, is in the habit of answering "yes" to everything when a gentleman is talking to her, for fear he should propose to her and she not hear it.

A CORRECT BILL OF FARE.—A Detroit hotel-keeper writes his own bill-of-fare, thereby saving the cost of printing. It announces "Coffy, soupe, roste befe, fride ham, boyled and bakt potatys, fride coul puddin, and mins pie."

A DEPUTATION.—No man better understood the value of that aggregation of bores called a "deputation" than the late Earl of Carlisle. His definition of such a gathering was—"Deputation" is a noun of multitude that signifies many, but does not signify much.

CURRY POWDER.—A pinch will give a spicily relish to very homely diet and tempt a very capricious appetite. Turmeric, 12oz.; coriander seed, 12oz.; ginger, 12oz.; black pepper, 12oz.; capsicums, 9oz.; cardamoms, 6oz.; cummin seed, 6oz.; mint, 3oz. These should be ground separately into fine powder, and weigh as above after being ground. Mix thoroughly by sifting all together.

A WONDERFUL THING.—What wonderful things these professors do discover nowadays. One of them has found out lately that "Nystagmus, or oscillation of the eyeballs, is an epileptiform affection of the cerebellar oculo-motorial centres." We have given some attention to the subject ourselves, but we confess that we didn't know it was as bad as that. No doubt it hurts too. Cut this out, and paste it in your hat, so you won't forget what sort of a thing a nystagmus is.

A LADY was recently engaging a new cook, and had apparently settled all details satisfactorily, when the domestic inquired, "How many other servants do you keep, ma'am?" "Two," was the reply. "Oh, then, your place won't suit me, ma'am, as I always like a game of whist of an evening, and I don't like playing with a 'dummy.'"

The following gentle reply was made by a strong-minded woman to a canvasser who called at her house during the recent elections to get her husband to go to the poll and vote: "No, sir, he can't go! He's washing now, and he's going to iron to-morrow; and, if he wasn't doing anything, he couldn't go. I own this 're house, I do; and, if any one votes, it'll be this 're Mary Jane."

THERE is a woman in London who cannot speak without rhyming. The effect of this when she is attending to the ordinary household duties, must often be remarkable. It is, we suppose, something like this:—"Mary Jane, go right up stairs, and sweep and make the bed, and do it quickly, too, d'ye hear! or else I'll punch your head." Or this:—"It would give me, Mathilda, enormous relief, if you'd cook those potatoes and greens with the beef." Or this:—"Alphonso, you are eating now your fifteenth currant cake! the next thing you'll be howling with a frightful stomach ache." Or this:—"Louisa, put your bustle on, and get your woollen shawl, and came with me to Mrs. J's to make a little call; it makes no difference, my child, what bonnet you may wear, but, for gracious' sake, Louisa, comb and frizz your hair."

In a small village in the south of Scotland there lived a worthy couple—man and wife—who had come ever from the Green Isle. The man, Barney by name, made a living by building stone-dykes, draining, and such like occupations. After working at these for some time, he began to have higher aspirations, and conceived the idea of becoming a shopkeeper. He rented a suitable place, got it fitted up, and on the day that he received his first consignment of goods opened shop. This consignment happened to be a barrel of apples. The barrel was opened, some of the fruit displayed in the window, and Barney took up his position to await customers. A passing school-boy, seeing a display of apples in a new place of business, went in and asked for a pound of the fruit. Barney, all alacrity, stirred himself to supply the demand of his first customer, got his scales placed, put in some apples, and—but here he discovered that he had forgotten to provide weights. Here was a fix! Barney put in some apples, took out some, and scratched his head alternately for a few minutes, and then stood to consider the matter. His better half, coming in at this moment, and seeing the perplexed appearance of her spouse, interrogated him thus—"What's the matter, Barney dear?" Barney explained. "Och, sure, Barney," said she, "don't you know what to do? Put apples in one scale, and apples in the other, and balance them!"

OUR PUZZLER.

119. ENIGMA.

I'm long, short, good, bad,
Rare, clear, modern, old,
Strong, weak, comic, sad,
Clever, curious, simple, bold,
Black, white, yellow, green,
And made of gold, brass, silver, hides,
Tin, wood, glass, nankeen,
And many other things besides.
A knowledge of me is required
To write a pleasing song or riddle;
E'en Paganini me admired,
And took me with his favorite fiddle.

120. DESCRIPTIVES.

1.	2.	3.
LAND	G	M
S	MENT	MOUTH
4.	5.	6.
VER	MENT	LY
A	E	S
		BUS
		BL

121. EXTRACTION.

1. My primal will to you display
What third oft makes you do.
2. What third to my second is
In second you will view.
3. My third will give you cause to first—
'Tis sometimes hard to bear.
4. My fourth will give an ornament
The ladies like to wear.

122. DOUBLE ARITHMOREM.

1. 052 and law, a boy's name; 1.051 and sea
a girl's name; 50 and ear, Shaksperian character;
0 and bitt, a boy's name; 100 and hone,
a boy's name; 200 and beare, a girl's name.
The initials will give a boy's name; the finals
will give a girl's name.

123. DOUBLE ACROSTIC.

Take primals up and finals down,
And then there will appear
Before you, plainly to be seen,
Two seasons of the year.

1. A sea-fish first must be espled :
'Tis small, and to the cod allied.
2. A reptile of gigantic size ;
But only in the ground it lies.
3. A lake of Lapland this does tell ;
'Tis said, here guardian spirits dwell.
4. If you have got one that is bad,
'Twill not take much to make you "mad."
5. When you a letter add to me,
A quarter of the earth you'll see.
6. And for the last one must be found
A town where certain kings were crowned.

BORAX FOR COLDS.—Borax has proved a most effective remedy in certain forms of colds. In sudden hoarseness or loss of voice in public speakers or singers from colds, relief for an hour or so, as by magic, may be often obtained by slowly dissolving and partially swallowing a lump of borax the size of a garden pea, or about three or four grains, held in the mouth for ten minutes before speaking or singing. This produces a profuse secretion of saliva, or "watering" of the mouth and throat, probably restoring the voice or tone to the dried vocal cords, just as wetting brings back the missing notes to a flute when it is too dry.

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