

SCIENTIFIC.

Remarkable Electrical Invention.—The woods are full of wonderful electrical inventions, some good, some bad, and some so supremely foolish as to make one wonder that any man of average intelligence should waste a second thought on them.

The minimum dry weather flow of certain rivers is given as follows in a report by Willis Chipman on the proposed sewerage of Brantford, Ont., St. Lawrence at Brockville, Ont., 18,000,000 cubic feet per minute; Mississippi at St. Paul, Min., 2,000,000; Connecticut at Holyoke, Mass., 360,000; Ohio, at Pittsburg, Pa., 100,000; Seine, at Paris, France, 100,000; Mohawk, at Cohoes, N. Y., 58,000; Thames, at London, England, 36,000; Chicago, at Chicago, Ill., (out of Lake Michigan), 36,000; Illinois, at La Salle, Ill., 36,000; Grand, at Bradford, Ont., 13,000.

The height of an olive tree is usually 20 feet, but it is sometimes as high as 60 feet, and it reaches almost a fabulous age. One recently destroyed at Beaulieu has a recorded age of five centuries, and it was 33 feet in circumference. The olive tree is exceedingly prolific under cultivation; the fruit yields about 20 per cent of its weight, exclusive of kernel, in oil. Italy is said to produce 33,000,000; France 7,000,000 gallons of oil annually. The tree does not vegetate readily beyond 2,000 feet altitude or 45 degrees latitude.

A useful attribute of paper not generally known is for preserving ice in a pitcher of water. Fill the pitcher with ice and water and set it on the centre of a piece of paper; then gather the ends tightly together, placing a strong rubber band around the coil to hold it close, so as to exclude the air. A pitcher of ice water treated in this manner has been known to stand over night with scarcely a perceptible melting of the ice.

In order to keep machinery from rusting take one ounce of camphor, dissolve it in a pound of lard; take off the scum and mix as much fine black lead as will give it iron-color. Clean the machinery and smear it with this mixture. After twenty-four hours, rub clean with soft, linen cloth. It will keep clean for months under ordinary circumstances.

In one of the leading locomotive shops there is now building an engine with an enormous driving wheel, nine feet in circumference, which will be fixed in the centre in front of the boiler. Instead of ordinary axles the truck wheels will have bicycle spindles and experts claim that the large driving wheel will carry a train at over ninety miles an hour.

Doctor Flint is quoted as saying: "I have never known a dyspeptic to recover vigorous health who undertook to live after a strictly regulated diet, and I have never known an instance of a healthy person living according to a strictly dietetic system who did not become a dyspeptic."

Professor Ethus Thompson says that in the near future railways will be run by electricity. By this he means not only the small roads for cities and suburban districts, but the large ones connecting cities, and he looks for a higher speed than is now attained with the steam locomotive.

Geologists assert that if the continents and the bottom of the ocean were graded down to a uniform level the whole world would be covered with water a mile deep, so much greater is the depression of the ocean bed than the elevation of the existing land.

In a water telephone recently patented in England the apparatus employed for the collection of sound transmitted through water, between ships, has been improved by constructing the apparatus so that any pressure caused by the increased density of the water has no effect upon it.

STRAWBERRY SYRUP.—A pound of sugar to a pint of strawberry juice, strain the juice from the berries through a muslin bag; let it come to a boil, and skim it well, when cold, add brandy to taste and bottle it.

An Expensive Name for a Horse.—Brown—What's the name of that colt? Jones—Ten-dollar Bill. Brown—That's no kind of a name for a horse. What did you call him that for? Jones—Because, dear boy, he'll go so fast when he's broken.

HOUSEHOLD.

OMELETTE—Eggs, three; milk, half pint; flour, 2 tablespoonfuls; salt to taste. Beat the yolks and whites of the eggs separately and add the whites last, stirring lightly. Bake in a moderate oven.

PIANO CASE POLISH.—Olive oil applied with cotton or canton flannel rag and afterwards rubbed with dry flannel is a good polish for a piano case. We have read that one part olive oil and two parts vinegar is also good.

TO TAKE OUT SPOTS.—The yellow stain made by the oil used on sewing machines can be removed if before washing in soapuds the spot is rubbed carefully with a bit of cloth wet with ammonia.

COFFEE CAKES.—A cupful of butter, half a cupful of sugar, a cupful of molasses, a teaspoonful of saleratus dissolved in a cupful of strong coffee, a nutmeg, a teaspoonful of cloves, cinnamon, five cupfuls of flour, and a cupful of chopped raisins.

HERRING SALAD.—Put into a salad bowl the crisp leaves of a head of lettuce; remove the skin and bone from two smoked herrings; shred them fine and add to the lettuce; pour over the salad a plain dressing and garnish with hard-boiled eggs.

PARSNIPS.—Boil until tender, scrape out lengthwise, and put into a saucepan with three tablespoonfuls of butter, a little pepper and salt, and a tablespoonful of chopped parsley. Shake until the mixture boils, take up the pieces carefully, and pour the butter over.

MUSTARD CABBAGE.—Chop half a head of cabbage fine; put on to boil, a cupful of vinegar, a cupful of sugar, seven tablespoonfuls of milk, two of mustard, and one each of pepper and salt, add a beaten egg, stir the mixture well; then pour the whole over the cabbage and serve.

INK STAINS.—Ink stains on mahogany furniture will disappear if treated as follows: Put six drops of nitre into a teaspoonful of water, and touch the stained part with a feather dipped in the mixture. Immediately after this, rub with a soft cloth and cold water to prevent mark.

To take iron rust out of white goods, pour a teaspoonful of boiling water; stretch the goods tightly across the top of it; then pour on a little of the solution of oxalic acid dissolved in water, and rub with the edge of a teaspoon or anything. If it does not come out at once, dip it down into the hot water and rub again.

To take out machine grease use rain water and soda. To remove oil and varnish from silk try benzine, ether and soap very cautiously. To take out paint mix equal parts of ammonia and turpentine. Saturate the spot two or three times, then wash out in soapuds. Paint can sometimes be rubbed out of woolen goods after it has dried.

CHOCOLATE BLANC MANGE.—Bakers' chocolate, one-eighth of a package; Cox's gelatine, one-half box; sugar, one-half cup; vanilla, one tablespoonful; milk, one quart. Soak the gelatine in a little water; grate or scrape fine the chocolate, boil it in the milk in a farina kettle two hours, then add the gelatine and sugar and cook ten minutes more; strain through a sieve or strainer; add the vanilla; skim frequently the grease that will rise on top. serve when solid, with cream or sauce.

To Remove Mildew or Stains From White Cloth.—One tablespoonful of chloride of lime in half a pail of water and let it stand half an hour, then dip the cloth in, wet thoroughly, and spread in the sun. Repeat this until entirely out, then wash thoroughly and rinse, and the lime will not injure the cloth. To leave the cloth over night without washing, the lime will rot it. Yellowed or unbleached clothes may be bleached in the same way.

MALAGA CAKE.—Two cupfuls of sugar and half a cupful of butter; beat to a cream; add half a cupful of sweet milk; mix three cupfuls of flour with three teaspoonfuls of baking powder; beat the whites of seven eggs to a froth; stir all together; add flavor with lemon; bake in sheets. Filling—Whites of three eggs; beaten with sugar as for frosting; save out enough for the top of the cake; add a coffee-cupful of seeded and chopped raisins and two teaspoonfuls of lemon extract; spread between the cake.

CHOCOLATE CORN STARCH.—Milk, 1 quart; eggs, 2; corn starch, 2 tablespoonfuls; sugar, a large half cupful; and chocolate, one-half cupful. Boil the milk in a vessel set in water; add the sugar and corn starch dissolved in a little milk; boil five or ten minutes, then add the yolks of the eggs, well beaten, and mixed with a little milk, stirring all the time for two or three minutes, now turn out into the moulding dish. Now, have the rest of the sugar and milk and the chocolate all dissolved and well mixed together, heated and pour it over the preparation; now add the whites of the eggs, well beaten, with a little sugar by spreading it over the top, set it in the oven two minutes. Serve cold, without sauce.

The Ladies Delighted. The pleasant effect and the perfect safety which ladies may use the liquid fruit laxative, Syrup of Figs, under all conditions make it their favorite remedy. It is pleasing to the eye and to the taste, gentle, yet effective in acting on the kidneys, liver and bowels.

Great Britain seems to content herself with one oldest Freeman.—Dr. William Salmon, of Pennylva Court, who lately celebrated his one hundredth birthday.

Frazer Axle Grease. There is no need of being imposed on if you will insist on having the Frazer Brand of Axle Grease. One grating will last two weeks.

Content is the true philosopher's stone.

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Far better is it to know everything of a little than a little of everything.

FITS; All Fits stopped free by Dr. Kilne's Great Catarrh Cure. No Fits after first day's use. Most venous cures. Treatise and \$2.00 trial bottle, free. Fit cases. Send to Dr. Kilne, 331 Arch St., Phila., Pa.

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E. A. ROOD, Toledo, Ohio, says: "Hall's Catarrh Cure cured my wife of catarrh fifteen years ago and she has no return of it. It's a sure cure." Sold by Druggists, 75c.

Geologists assert that if the continents and the bottom of the ocean were graded down to a uniform level the whole world would be covered with water a mile deep.

Warm weather often causes extreme tired feeling and debility, and in the weakened condition of the system, diseases arising from impure blood are liable to appear. To gain strength, to overcome disease, and to purify, vitalize, and enrich the blood, take Hood's Sarsaparilla.

The discoveries made by Stanley show that the Nile is the longest river in the world, being at least 4100 miles in length.

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Shifting the Responsibility—Mother—Now, Johnnie, you must cut the apple in halves and give the larger half to your little sister. Johnnie—Let her eat it.

He is Going to Stick to Him, Too—Matron—You appear to be very fond of your little playmate. It is pleasant to see such love among children. The Bigger One—Yes'm; he's got er penny to spend.

VERY ILLITERATE—Policeman—Excuse me, Major, but isn't that your dog? Major B.—Certainly. Policeman—You see what the sign says—"No dogs allowed in this park?" Major B.—Yes, but that dog can't read, he is very illiterate. Good evening, sir.

A WITTY WIFE—"John, you are a fool." "I am, am I? How do you make me a fool?" "Bliss you, I don't make you a fool. You make a fool of yourself."

At the Railroad—"Will you think of me very often while you are away, dear-est John?" "But, Emily, you know this is to be a pleasure trip!"

Miss Debut—"Do you believe in marrying for love?" Chicago Matron—"O, it's all a matter of taste. I tried it a couple of times and rather liked it."

Mr. Staid—"And is Miss Gigglegaggle well educated?" Mrs. McFad—"Educated? I should say so. Why, the ribbons on her graduating dress cost over fifty dollars."

Mrs. Stuckup—Is this Mr. Slimpurs you have engaged yourself to a man of means? Sensible Daughter—Yes, mother. He means all he says, and that's the sort of a husband I want.

Young Brindle—Pa, can't I have a flannel shirt like yours? Mr. Brindle (speaking from experience)—My son, you may have this after it's washed.

"Maria, dear," said the fond mother, "the postman asked me to-day whether you wouldn't use some other perfume on your letters. Violet doesn't agree with him."

"I fell over the rail," said the sailor, "and the shark came along and grabbed me by the leg." "And what did you do?" "I let him have the leg. I never disputes with a shark."

Why the Birds Twittered—Algy (unlocking his door as the milkman comes along)—Shay, tell me, John, what time is it, this mornin'?

Milkman (of a humorous turn)—4:30. Algy—Haw! It's early. I fancied it wasn't five o'clock!

A MORNING CALL—Mrs. Pattangill (to neighbor who has just "dropped in")—"No, Elviry, I can't say—no, really, I can't, that I enjoy goin' to funerals, 'ceptin', of course, when it is one of my own folks."

LITERALLY CORRECT—She—Has Connecticut two capitals? He—No, only one. She—What is that? He—C, of course!

He—"Before proposing, Miss Lulu, I wish to know if you have anything in the bank." She—"Yes, Mr. Poorman I have a lover there. He is the cashier, sir, and we are to marry next week."

SOCIAL PASTELS—Mr. Rounds—How nice that Miss Instyle carries her head. Miss Dukats—She ought to carry it easily—it's so light.

Customer—Did you say ten cents? Barber—Is that too much for a shave? Customer—Not at all. It would have cost me \$50 to have a surgeon do that amount of cutting.

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