

Scientific Miscellany.

From experiments made in March, Fol and Hagen conclude that in fine weather the last rays of light are dissipated in the Mediterranean at a depth of about 100 feet.

In a new English method of sugar manufacture, which is attracting the attention of Paris capitalists, the use of beet-root is to be superseded by that of potatoe, the saccharine matter being extracted by the help of electricity.

The relative value of different foods for soldiers is being carefully tested in the German army. One diet is tried at one regimental station and a different diet at another, all food in addition to the prescribed rations being kept from the men.

Artificial sponge—made of cotton, rendered absorbent, and treated with antiseptics—is a recent English product. A piece of the size of a walnut has absorbed water until it has become as large as a coconut. It is so cheap that it need not be used a second time.

A French commission has found that the most violent explosion in mines occurs when there are thirteen parts of air to 100 of fire damp, and that above or below this the force diminishes. When the mixture is below seven parts in 100, or above 18 in 100, the gas simply burns.

As tissue exhaustion—resulting from toil, privation, or anxiety—precedes the development of cancer, an English medical authority thinks the marked increase in the death-rate from that disease during the last half century may be readily explained by a glance at the history of our laboring age.

Although very rare before, a great number of moderate earthquakes were recorded in Tasmania during 1881 and 1882, nearly 100 having been felt at St. Mary's in a single month of last year. These small shocks evidently originate 100 miles or more out to sea, and are seldom felt outside of the northeastern part of Tasmania.

Mrs. E. A. Ormerod, England's well-known entomologist, reports that her many correspondents all agree that sparrows will not feed on insects when seeds, grain, fruit, and other vegetable food is within reach. She therefore advocates a judicious destruction of the house-sparrow for the protection of crops, but is careful to show that the objection does not extend to other small birds.

**FISH AS BRAIN FOOD.**—Sir Henry Thompson, the eminent English physician, declares that there is no foundation whatever for the common notion that a fish diet tends especially to feed the brain. Nevertheless, he recommends fish for brain workers, because it contains in smaller quantities than most other materials which, taken abundantly, demand much physical labor for their complete consumption, and which, without this, produce an indigestion and a sluggish brain. That fish is particularly suitable for persons who are unable to take much exercise.

**EXTENT OF THE VIRGILIAN UNIVERSE.**—On a clear night about 3,000 stars are visible to the naked eye. A like number in the opposite hemisphere makes a total of about 6,000 that can be seen without a glass. These are divided according to their apparent brightness, into six classes, 20 ranking as first magnitude stars, 65 as second magnitude, 200 as third, 450 as fourth, 1,100 as fifth, and about 4,000 as sixth. The telescopic stars, unseen by the unaided eye on account of their remoteness, are classified as high as the fourteenth magnitude, and their number is vastly greater, being reckoned as high as 20,000,000.

**EFFECT OF ACID PLANTS ON PLANTS.**—Schroeder, in Germany, has been investigating the influence upon vegetation of the acid fumes which are present in a sulphur-laden atmosphere. He finds one part of sulphurous acid in 50,000 of air capable of destroying serious damage to plants in a short time. Thus, in the case of hyacinths, the leaves are scorched and the flowers are mostly sensitive; pines and cherries more so than pears and apples.

The Marston case—Nineteen recent convictions have shown, however, a common sentiment that bees, being so gentle and harmless, become exceedingly irritable and vindictive, in the approach of thunderstorms, and he thinks that their conduct may be taken as a reliable indication whether a storm is impending over a certain district or not. In a succession of instances, the barometer and hygrometer to record a storm, the bees remaining quiet, and no storm occurred; in the contrary instances, a storm of rain, but the bees have become exceedingly irritable, and the storm came. With regard to the matter, the farmers and beekeepers are not able to give a definite answer, in the case of a thunderstorm, the indications of the bees appear to be more trustworthy.

A keen street old maid who keeps four cats finds a catfish of coal in her back yard every morning. Her strict economy she only buys a catfish of coal a year.—Brooklyn Times.

For the Stomach's Ache.

Joe Howard, a veteran New York journalist, who has won a name for himself with a temperate appetite, and drank enough whisky to float a quill, gives the following advice to persons whose aching stomachs warn them of the approach of cholera or something like it: "First and foremost, avoid brandy, whisky, and gin. They allay the pain temporarily, but they excite, exaggerate, and inflame the stomach, and worse remains behind. Avoid all 'relieving remedies,' which are all made of turpentine, peppermint, red pepper, and cayenne. They, too, allay the pain, but the latter effect is excessively unpleasant. They are a delusion and a snare. In this case, as in nearly everything in life, the simplest and easiest is the best. Take a spoonful of the essence of ginger in a mug of water, the better the better, and make it palatable with a little sugar. It acts like magic, and all the aches, trials the pain and all unpleasant symptoms disappear, and you are bunkled. And, however, from the disputed point of what is the best remedy, it is the fact that so many careful, prudent people just now are suffering with this weakening and demoralizing trouble, and the further noticeable fact that so many men die suddenly from its effects."

"Well, Charley," said an anxious parent to an orphan of three years, on Christmas day, "what did you find in your stocking this morning?" "Find, father?" replied the hopeful youth, "why I found a big hole!"

ENJOY LIFE.

What a truly beautiful world we live in! Nature gave us grandeur of mountains, glens and oceans, and thousands of means of enjoyment. We can desire no better when in perfect health; but how often do the majority of people feel like giving it up, disheartened, discouraged and worn out with disease, when there is no occasion for this feeling, as every sufferer can easily obtain satisfactory proof, that "God's August Flower," will make them free from disease, as when born. Dyspepsia and Liver Complaint are the direct causes of seventy-five percent of such maladies as Biliousness, Indigestion, Sick Headache, Constipation, Nervous Prostration, Dizziness of the Head, Palpitation of the Heart, and other distressing symptoms. Three doses of "August Flower" will prove its wonderful effect. Sample bottles, 10 cents. Try it.

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It is the duty of every person who has used B. Scherer's German Syrup to tell its wonderful qualities to their friends in caring for consumption, severe Cough, Croup, Asthma and in fact all throat and lung diseases. No person can use it without immediate relief. Three doses will relieve any case, and we consider it the duty of all druggists to recommend it to the poor, dying, consumptive, at least to try one bottle, as 50,000 d. g. m. bottles were sold last year, and no one case was reported where it failed. Such a remedy as the German Syrup cannot be too widely known. Ask your druggist about it. Sample bottles, 10 cents. Sold by all Druggists and Dealers, in the United States and Canada.

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For all manner of Poster work, cards, Bill-heads, Letter-heads, Etc.

An All-Rail Route to Alaska.

The great project of building a railway across Siberia, now being pushed to completion by the Russian government, strongly holds out the idea that in the near future a great iron belt from this side of the world will meet it half way, and travel by land will have been accomplished. Great Railway corporations are now seriously looking into this, as it seems, stupendous project, but, in reality, not as great an undertaking as eastern people believe. The country that will necessarily have to be crossed in Western British Columbia and Central Alaska is far from being the frigid zone that many believe it to be. The line would undoubtedly in its course north strike the headwaters of the Yukon river, then keep down that mighty stream to within perhaps a hundred miles of the coast, at or near Nulato, where it would leave the river, and running nearly west, would terminate at Cape Prince of Wales, within about fifty square miles of the Siberian coast. Very little difficulty, except, perhaps, in crossing the ranges at the headwaters of the Yukon, would be apprehended from deep snows in winter. The climate along the Yukon is dry and let very little snow falls there—from eighteen inches to perhaps two feet in depth. Extremely cold, from 70 to 80 degrees below zero, only prevails about two months of midwinter, and this would be greatest drawback in winter travel. Immense forests skirt the route nearly to the coast, and a railroad highway down the Yukon is probably the greatest coal haul in the world. Branch lines would tap the coast settlements and the rich mineral sections of the interior. With such a foundation left to them, it would be wonderful, indeed, in this enlightened and progressive age, if work is not commenced on such a line within a very short time—Alaska Free Press.



MR. JOHN W. FURUM, An Army Veteran, Of Washington.

When I saw CURE I did not mean merely to stop them for a time, and give them to turn again. I want a RAPID CURE. I have made the disease of FITS, EPILEPSY or FALLING SICKNESS, A life long study. I WANT my remedy to drive the worst cases. Because others have failed to reason for not receiving a cure. Send at once for a bottle and I will return to you the same. It costs you nothing for a trial, and it will cure you. Address: H. C. ROSS, M. D., 133 Pearl St., New York.



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WITH ALL PREMISES THEREUNTO BELONGING.

PRICES DOWN TO BEDROCK!

You will find all kinds of tinware, roofing, stoves, red-sticks, and all kinds of furniture, cooking utensils, etc., etc.

A good opportunity for a farmer, as he will find all the tools and machinery needed for his country.

Come and see. You might find something that you need.

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Advertisement for BETHLEHEM PLANT or BURS SEEDS. Includes an illustration of a seedling in a pot.

Advertisement for THE BEST PIANO IN THE WORLD. Includes an illustration of a piano.

Advertisement for a medical product, possibly related to the 'Little Liver Blood Lungs' ad.

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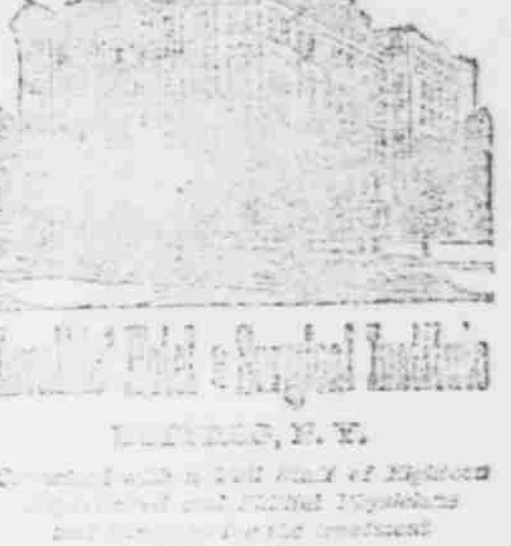
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