

SCIENTIFIC AND SANITARY.

To the late Sir George Bissell Airy the Royal Observatory at Greenwich is indebted for the introduction of the altazimuth, the water telescope, the transit circle and the large equatorial, which was erected from his plans in 1859.

LUCERNE is the first Swiss town in which a compressed air plant will be laid down. The actual electric power plant being insufficient, and there being a large demand for small power, it is intended to supply this power on the compressed air system. Fourteen hundred and forty horse-power are needed, whilst 2,000 horse-power are available from the river Reuss.

THE use of coal dust in the locomotives of the Belgium State railroads has been carried on for many years with great success. In many of the engines the grate area is as much as fifty-four square feet, and the bars are closely spaced. The coal is used in a damp condition, only small quantities being introduced at a time, and thin fires are the rule. There is said to be no difficulty in making steam, while there is shown a minimum of wear in the boiler parts.

ONE of the biggest rocks ever moved in the course of railroad construction in this country was recently excavated on the line of the Mexican Southern by Colonel Lamar. The giant boulder was 120 feet in height and measured 1000 cubic meters. Six dynamite cartridges were placed under the rock after the men had excavated as much earth as possible and were fired one after another. At the sixth explosion the big fellow rolled over out of the way.—*Lower Californian*.

THE first news that has reached Europe concerning the new Danish expedition to East Greenland is dated June 29. At that date the *Hekla* was in 71° north latitude, near Jan Mayen, and far from the east coast of Greenland. The condition of the ice this summer has rendered the navigation of the Arctic Seas extremely difficult. The pack extended far to the south, and surrounded Jan Mayen with a circular barrier. The east coast of Greenland was unapproachable, and the *Hekla* was anchored for the time in a bay of the pack. Still Captain Knutsen intended to make for the Greenland coast between 73° and 76° north latitude, the ice, according to the seal-hunters, appearing to be less dense in that quarter.—*Science*.

“German Syrup”

J. C. Davis, Rector of St. James' Episcopal Church, Eufaula, Ala.: "My son has been badly afflicted with a fearful and threatening cough for several months, and after trying several prescriptions from physicians which failed to relieve him, he has been perfectly restored by the use of two bottles of Bo-

An Episcopal schee's German Syrup. I can recommend it without

hesitation." Chronic severe, deep-seated coughs like this are as severe tests as a remedy can be subjected to. It is for these long-standing cases that Boschee's German Syrup is made a specialty. Many others afflicted as this lad was, will do well to make a note of this.

J. F. Arnold, Montevideo, Minn., writes: I always use German Syrup for a Cold on the Lungs. I have never found an equal to it—far less a superior.

G. G. GREEN, Sole Man'fr, Woodbury, N.J.



Minard's Liniment relieves Neuralgia.

IN cold weather never wear a woollen stocking inside a thin, tight shoe. To do it is to invite frozen feet. The wool grows damp and clammy with insensible perspiration, the shoe pinches the blood vessels into sluggish torpor. Betwixt them you have a frozen foot almost before you know it. Much better put a thin silk, lisle thread or cotton stocking next to the foot, and draw the woollen one on outside the shoe. With arctics over the stockings you can defy Jack Frost, if you are shod like Cinderella herself.—*Ladies' Home Journal*.

MEDUSALINE, a new composition designed as a substitute for brick and building stone, has been adopted for the sidewalks and driveways in the Exposition grounds. The Committee on Grounds and Buildings granted the contract to the Medusaline Manufacturing Company of Chicago for the construction of 450,000 square feet of such sidewalks and driveways. The price is 6½ cents per square foot. The concrete composition to be used by the contractors is said to be as hard as perfect stone, and it is now thought probable that it will be used instead of staff for the exterior ornamentation of the Fine Arts Palace, and several other buildings.

YEAST has been tried at the Alfred Hospital, Melbourne, as a remedy in typhoid fever by Drs. Embling Lempriere and Barclay Thomson. In the report Dr. Thomson says: "Thirty-seven cases have been treated. Ten were severe, the temperature reaching or exceeding 104 degrees; eight moderately severe, temperature reaching or exceeding 103 degrees; eleven were mild, although the temperature reached 103 degrees; eight were very mild, the temperature never being above 102 degrees. In all recovery took place without any relapse. When commencing the use of the yeast it occurred to me that if the theory that relapses are due to reinfection from the intestine is correct, then there should be none under the use of the yeast, as all the bacilli would be destroyed in the intestinal tube. This is so far borne out, for there was not a relapse in the thirty-seven cases under yeast; while in the 107 cases otherwise treated in the hospital there were sixteen relapses."

AT the Académie de Médecine M. Chauveau read a long paper on the relations existing between small-pox and vaccine as regards the transformation of the virus (*Medical Press*, Nov. 4). He said that the idea that vaccine was only a transformation of small-pox continued to obtain a large number of partisans. He, on the contrary, believed that the virus in both cases proceeded from the same origin. It was true the absolute proof was not yet established, but that they were distinct affections he did not doubt. Attempts were made by a Lyons committee to transform human small-pox into vaccine by inoculating cows, but the virus remained the same as to its nature even after several cultivations, consequently it must be accepted that the simple passage of pox virus in the organism of the cow or horse is entirely incapable of changing this virus into vaccine. Vaccine never produced small-pox in man, nor did human small-pox ever become vaccine when inoculated into animals. Vaccine is not, consequently, an attenuated small-pox.

THERE are not many remains of the ancient Mexican featherwork which excited the surprise of the Spanish conquerors of the New World. The most famous surviving specimen is the standard, described by Hochstetter, which is now in the Vienna Ethnographical Museum. Another specimen has lately been discovered by Mrs. Zelia Nuttall in the Schloss Ambras, near Innsbruck, says *Nature*, Nov. 10. It is mentioned in an inventory, drawn up in 1596, of the treasures of the castle. This very valuable relic is the decorative part of a round shield, made of interlaced reeds, and consists of feather-mosaics representing a monster, the contours of which are fastened by strips of gold. Formerly the shield was adorned with costly quetzal feathers, only small fragments of which survive. *Globus*, which has an interesting note on the subject, speaks of similar old Mexican shields in the Stuttgart Museum, and refers to a statement of Stoll to the effect that beautiful feather ornaments are still made by the Indians of Guatemala.

THE party which, under the direction of Chief Putnam of the department of Ethnology, of the Exposition, has been making excavations of the mounds in Ohio for three months or more, met with rare success on November 14 near Chillicothe, in making one of the richest finds of the century in the way of prehistoric remains. While at work on a mound 500 feet long, 200 feet wide and 28 feet high, the excavators found near the centre of the mound, at a depth of 14 feet, the massive skeleton of a man incased in copper armour. The head was covered by an oval-shaped copper cap; the jaws had copper mouldings; the arms were dressed in copper, while copper plates covered the chest and stomach, and on each side of the head, on protruding sticks, were wooden antlers ornamented with copper. The mouth was stuffed with genuine pearls of immense size, but much decayed. Around the neck was a necklace of bears' teeth, set with pearls. At the side of this skeleton was a female skeleton, the two being supposed to be those of man and wife. It is estimated that the bodies were buried fully 600 years ago.

THOMPSON (*Lancet*, Oct. 24, 1891) has recorded the case of a blacksmith, who was struck in the left eye by a fragment of flying steel. Both eyes soon displayed evidences of irritation, with considerable impairment of vision in the left. Ophthalmoscopic examination of the injured eye revealed the presence of a foreign body in the retina, together with slight exudation and hemorrhage, and a number of fine, opaque striae in the vitreous body. The patient being etherized, the original wound was reopened and the curved pole of an electro-magnet was introduced and passed through the vitreous in a direction corresponding to that apparently traversed by the foreign body. The second application was followed by the appearance of the bit of steel "in tow" of the magnet. The small bead of vitreous that presented was snipped off, the eye was antiseptically irrigated and a compress was applied. In the course of a short time the manifestations of irritation subsided, and vision became improved, though a slight patch of opacity remained upon the retina, and the field of vision was correspondingly limited.

THE best medical authorities say the proper way to treat catarrh is to take a constitutional remedy, like Hood's Sarsaparilla.

THE export of wooden houses, framed and ready for erection, forms a considerable industry in Sweden. Twenty complete cottages were recently shipped to Brazil.

YOU CAN RELY upon Hood's Sarsaparilla as a positive remedy for every form of scrofula, salt rheum, boils, pimples and all other diseases caused by impure blood. It eradicates every impurity and at the same time tones and vitalizes the whole system.

CONSTIPATION, and all troubles with the digestive organs and the liver, are cured by Hood's Pills. Unequaled as a dinner pill.

DR. T. A. SLOCUM'S

OXYGENIZED EMULSION OF PURE COD LIVER OIL. If you have Tightness of the Chest—Use it. For sale by all druggists. 35 cents per bottle.

EVERYBODY needs, after the exhaustion of the day, a stimulant that is nourishing as well as warming. Neither tea nor coffee is so well suited for this purpose as Cocoa or Chocolate. That prepared by Walter Baker & Co., has the highest reputation of any in the market. For more than one hundred years this establishment has made all its preparations absolutely pure, using no patent processes, alkalies, or dyes.

C. C. RICHARDS & Co.

Gents.—I certify that MINARD'S LINIMENT cured my daughter of a severe and what appeared to be a fatal attack of diphtheria after all other remedies had failed, and recommend it to all who may be afflicted with that terrible disease.

JOHN D. BOUTILLIER, French Village, Jan., 1883.

Minard's Liniment Cures Burns, etc.

Out of Sorts

Describes a feeling peculiar to persons of dyspeptic tendency, or caused by change of climate, season or life. The stomach is out of order, the head aches or does not feel right,

The Nerves

seem strained to their utmost, the mind is confused and irritable. This condition finds an excellent corrective in Hood's Sarsaparilla, which, by its regulating and toning powers, soon cures

Indigestion,

restores harmony to the system, gives strength to mind, nerves, and body, while it also purifies the blood and removes all trace of Scrofula, Salt Rheum, etc.

Fast Eating

And irregular meals are causes of Dyspepsia, which will soon become incurable except by careful attention to diet and taking a reliable stomach medicine like Hood's Sarsaparilla. Read this:

"Owing partly to irregularity in eating, I suffered greatly from dyspepsia, accompanied by

Severe Pain After Meals

I took two or three bottles of Hood's Sarsaparilla and entirely recovered, much to my gratification. I frequently have opportunity to praise

Hood's Sarsaparilla

and am glad to, for I consider it a great medicine." C. I. TROWBRIDGE, Travelling salesman for Schlotterbeck & Foss, Portland, Me.

N.B. If you decide to take Hood's Sarsaparilla do not be induced to buy any other.

Hood's Pills cure liver ills, constipation, biliousness, jaundice, sick headache, indigestion. Sold by all druggists. Price 25 cents.

PERFECT DIGESTION

INSURED.

ADAMS' PEPSIN TUTTI-FRUTTI.

Office of Dr. E. Guernsey, 528 Fifth Ave., New York, October 22, 1891.

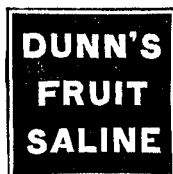
Physiology teaches that a certain amount of saliva secreted by the salivary glands of the mouth, and mixing with the food before or after it passes into the stomach, is essential to digestion. The chewing of your Tutti-Frutti Gum before or after a meal, especially when combined with so valuable a digestive as "Adams' Pepsin," not only increases the flow of saliva but adds so materially to its strength as to insure a perfect digestion at the same time correcting any odor of the breath which may be present.

ROBERT GUERNSEY, M.D. Sold by all Druggists and Confectioners in 6c. Packages, or for box of assorted samples which will be sent by mail, postage paid to any address on receipt of 25 cents.

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