

SCIENTIFIC MISCELLANY.

The Dynamo's Possible Successor—Musk-Flavored Refuse as Fish Bait—An Electric Restaurant—An Antitoxin for Cancer—Prehistoric Sanitation—Significance of Baby's Weight—Science in Caves—About Mars—A Spanish Mine—How Electricity Purifies Water.

The thermo electric apparatus of Mr. H. B. Cox, of Hartford, consists essentially of a series of metallic rings, each formed by joining a number of wedge-shaped pieces of two different alloys. Its chief improvement is said to be the merging of the component parts of the electrical element into each other in such a way as to have practically no junction point to oxidize. The pile of rings, separated by sheets of asbestos, forms a hollow cylinder, which is lined with cement, and cemented into a metallic casing. Provision is made for the circulation of a cooling current of water between this casing and the outer shell of the generator, which in one form, resembles an ordinary coal-burning heater. A coal fire or gas flame is placed in the interior of the cylinder, and by this simple means of transforming the heat into electricity, the inventor claims to get five times the energy from coal that can be realized by steam, and with this remarkable result—so long sought in vain by Edison, Tesla and scores of others—to be able to produce five ordinary incandescent lights from a coal consumption costing a cent an hour.

An artificial musk factory has been established upon the Rhone, in the canton of Geneva. Since its opening, fishermen have noticed that the fish—especially the trout—taken within a couple of miles down river have a very pronounced flavor of musk, the heads in particular being uneatable. As it is known that the essential oils of anise and lavender attract fishes, foxes, martens, etc., it is believed that the fishes may be similarly led by the odor to seek and eat the musk refuse.

An "electric restaurant," serving its customers automatically with dinner, etc., is a special attraction of the Amsterdam exhibition.

Two Munich experimenters claim to have met with considerable success in treating cancer by means of a new antitoxin.

In a late address at Manchester, Prof. Boyd Dawkins considered the indications of sanitary progress in prehistoric days. The very earliest man of the pliocene age was only distinguished from the wild animals by being clever enough to fashion implements and use fire, and it could not be said that he was either sanitary or insanitary. His successor, palaeolithic man, was the user of the polished stone axe, the introducer of the domestic animals, and the dweller in a fixed habitation, for which he invariably chose a dry place. In the neolithic man we have the first evidences of living in a community, but the refuse was left in his habitation and he was ignorant of water supply. He always selected, however, spots where there was natural drainage, and he was the first tiller of the ground. The most important development of sanitary appliances are found at the close of the bronze and in the iron age. There was a most elaborate system of refuse heaps, but there was no evidence of any artificial water-supply. Neither in the neolithic, the bronze, nor the prehistoric iron age were there any interments within the area of habitation. Evidence that cremation was the rule in the bronze age is found in the limestone ranges of Derbyshire and the chalk downs of Wiltshire.

Weighing the baby, if done understandingly, is not merely the gratification of idle curiosity, as it is usually regarded, but a careful record of the weight is a scientific test of the infant's health, and may give the earliest warning of serious digestive troubles. For three to five days after birth, points out Dr. Griffith, it is common for children to lose in weight, the full supply of nutriment not being absorbed. At the end of the first week, however, the loss should have been made up, and the gain should then be an ounce a day until the fourth month, after which a daily gain of half an ounce is satisfactory. The young infant is still doing fairly well if gaining half an ounce daily, but to do thoroughly well its gain should be double that or more at first.

Splæology is the name given by M. E. A. Martel to the study of caves, and a splæological society has been organized in Paris for promoting this study. M. Martel has explored several hundred caves, finding them to be natural depositories or museums capable of throwing light on many subjects. In their quiet recesses, layer

after layer of deposits have formed, sealing up the story-telling relics left by occasional visitors, by inundation and by percolation.

In the present year on Mars,—where the year equals two of our own,—the polar cap disappeared some months earlier than usual, indicating, in the ordinary view, a phenomenally hot season. What we know of the atmosphere of Mars is thus summed up by Mr. Percival Lowell: "We have proof positive that Mars has an atmosphere; we have reason to believe that this atmosphere is very thin,—thinner at least by half the air upon the summit of the Himalayas,—that in constitution it does not differ greatly from our own, and that it is relatively heavily charged with water vapor." But Prof. E. S. Holden gives a different conclusion as "the latest news from Mars." In his recent spectroscopic observations at the Lick Observatory, Prof. Campbell has compared the spectrum of Mars with that of the Moon, finding no perceptible difference, and no more evidence of aqueous vapor or of an atmosphere in the one case than in the other. "And it is in the highest degree unlikely that Mars has an atmosphere anything like as dense as the earth's atmosphere at the summit of the Himalayas. The lakes, oceans, canals (of water,) the snowstorms, inundations, inhabitants (like ourselves) and the signals they were making us, etc., have all vanished with the aqueous vapor. We have heard so persistently of these beings for so long, that people in general were beginning to accept them as proved."

The prehistoric mine of Aramo, near Pola de Lena, in the Asturias, embraces an unexplored portion which M. Martin asserts will constitute a copper and cobalt mine unique in the whole world. The mine remains the same as it was in the Bronze Age, 30 centuries ago, having been surprised either by a cataclysm or by a hostile invasion. The entries consist of small vertical shafts about 18 feet deep, which were probably guarded by soldiers to prevent the escape of the slave miners.

The systems of so-called electrical purification of water are divided by the London Electrical Review into two classes, namely: (1) Those which electrolyze water, liberating oxygen at the positive pole; and (2) those which electrolyze solutions of common salt, producing certain germicidal substances such as hypochlorites. In both cases the electric energy purifies the water indirectly by producing chemical disinfectants.

How's This.

We offer One Hundred Dollars Reward for any case of Catarrh that cannot be cured by Hall's Catarrh Cure. F. J. CHENEY & Co., Props., Toledo, O.

We the undersigned have known F. J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligation made by his firm. WEST & TRUAX, Wholesale Druggists, Toledo, O. WARDING, KINNAN & MARVIN, Wholesale Druggists, Toledo, O. Hall's Catarrh Cure is taken internally, acting directly upon the blood mucous surfaces of the system. Price 75c. per bottle. Sold by all Druggists. Testimonials free.

Winston's Standard Music Company has assigned. Liabilities \$20,000.

A Humorous Fact.

About Hood's Sarsaparilla—it expels bad humor and creates good humor. A battle for blood is what Hood's Sarsaparilla vigorously fights, and it is always victorious in expelling foul taints and giving the vital fluid the quality and quantity of perfect health. It cures scrofula, salt rheum, boils and other blood diseases.

Hood's Pills act easily, yet promptly and efficiently on the bowels and liver. 25c.

10,000.

This number represents something like the number of factories, mills, gins and mines in which we have machinery in operation. It is a conservative estimate, for our records show something over 5000 cotton presses, 1000 saw mills, 1000 engines and boilers sold. That would make 700. Is it too much to say that with all the pulleys, shafting, hangers, couplings, gears, mill spindles, etc., etc. the figure would not reach 10,000? Write us for catalogue and prices. Liddell Company, Charlotte, N. C.

A. H. Randahl, a deposed Swedish preacher, of Minnesota, is suing everybody connected with the church trial for heavy damages, including the paper publishing the proceedings.

Milk, Butter, Eggs.

Fresh meat, fish, water, fruit, vegetables, as well as milk, butter and eggs, are frequently loaded with germs of disease. If the stomach is maintained in a healthy condition, these germs are digested and eliminated from the system without producing any bad effect. Ayer's Sarsaparilla gives tone and strength to the digestive organs, enables them to do their duty, and imparts the vigor of health to the entire system.

The Summit of Ambition.

"Thomas," said his mother proudly, "I'm very much pleased with you for winning that prize in the oratorical contest. It was a fine triumph. I hope, Thomas, that with this added spur to your ambition you will come home to tell me of a still greater victory, a still nobler triumph." "Yes, Thomas," she continued, as the youth stood blushing before her, "I hope that you will yet score a touchdown in a football match."—Chicago Record.

A Thin House.



Verger—Hi, mister, come in for a few minutes; the pa'son wants to say "My dear brethren," and there's only me in the church.—Judy.

A Question of Salary.

"Is Mr. Scallenger in?" "Can't you see whether he is or not?" "Are you Mr. Scallenger?" "No, sir." "Then I see he is not in. I beg your pardon for troubling you. Can you tell me where he is?" "How do you suppose I know?" "Does he occupy a desk in this office?" "He does."

"He comes in occasionally during the day, I presume?" "He does, sir."

"Has he been here this morning?" "He has."

"May I ask if you have any idea as to when he will be likely to drop in again?"

"You may, but it won't do any good." "Can you direct me, sir, to anybody who can point out some person who can show me where to inquire for the man that can give me some information as to the whereabouts of Mr. Scallenger?" "I'm not paid to sit here and answer fool questions."

"I see. You would act like a gentleman if you were paid for it. Thanks. Good afternoon!"—Chicago Tribune.

The Cheerful Idiot.

"I read the other day," said the landlady, "that trout could be caught with live bumblebees as bait. I don't believe it."

"I don't see why it should not be so," said the cheerful idiot. "I am sure that if I had been swimming all day there is nothing would please me better than a good hot meal."

Which is what he didn't get.—Indianapolis Journal.

It Was Too Good Fishing.

Apreros of the propensity of fishing parties to play poker Amos J. Cummings was recently invited to join a party bound for a small lake swarming with large fish. "You will make six, and that is the exact party we want."

"That's all very fine," retorted Cummings, "but you will find that some of the six will really want to go fishing and break up the game."—Vanity.

Too Literal.

"Ye can't believe half ye reads in books," said the newcomer to the warden.

"What's the matter?" "I seen in the library a book that says a man order be the molder of his own fortune. I tried ter be, an here I am, juggled fer counterfeiting."—Washington Star.

Neighboring Borrowing.

Mrs. Skrimp—Is that the butter we borrowed from the Sharpes? Domestic—I think it be, mum.

Mrs. Skrimp—I declare! I believe it is the same butter with which we paid the last borrowing. And I suppose the Sharpes call that neighborly!—Boston Transcript.

Explaining It.

Jimmy—You're fraid ter fight, that's what it is. Thomas—No, I ain't, but if I fight my mother'll know, and lick me.

Jimmy—How will she find it out, eh? Thomas—She'll see the doctor going to your house.—London Chips.

A Case of Necessity.

Tutter—Did you know that Miss Grosgrain was engaged to an amateur photographer? Ver: Blummer—No. Is it a case of love? Tutter—Not at all. She promised to marry him if he would stop taking her picture.—Brooklyn Life.

The Only Way.

A father was once asked by his daughter if there was an easy way of acquiring a knowledge of German. "No, my daughter," was his judicious reply, "it must be learned by main strength."—Examiner.

The Tobacco Crop

requires a large amount of sulphate of potash. Experiments show that the largest yields and the best quality are produced from fertilizers containing Not Less than 12% Actual Potash.

Purchase only fertilizers containing this amount actual potash in the form of sulphate. We will gladly send you our pamphlets on the Use of Potash.

They are sent free. It will cost you nothing to read them, and they will save you dollars.

GERMAN KALI WORKS, 93 Nassau Street, New York.

Blank Deeds For Sale.

The Hickory Printing Company has now a large lot of blank Warranty Deeds for Sale at the office of the PRESS AND CAROLINIAN in Hickory. 50-tf

Persons who sympathize with the afflicted will rejoice with D. E. Carr of 1235 Harrison street, Kansas City. He is an old sufferer from inflammatory rheumatism, but has not heretofore been troubled in this climate. Last winter he went up into Wisconsin, and in consequence has had another attack. "It came upon me again very acute and severe," he said. "My joints swelled and became inflamed—sore to touch or almost to look at. Upon the urgent request of my mother-in-law I tried Chamberlain's Pain Balm to reduce the swelling and ease the pain, and to my agreeable surprise, it did both. I have used three fifty-cent bottles and believe it to be the finest thing for rheumatism, pains and swellings extant. For sale by O. M. Royster Druggist. 18-4t

Stock has been subscribed for a knitting mill at Asheboro, N. C.

The Discovery Saved His Life.

Mr. G. Cailhouette, Druggist, Beaversville, Ill., says: "To Dr. King's New Discovery I owe my life. Was taken with La Grippe and tried all the physicians for miles about, but of no avail and was given up and told I could not live. Having Dr. King's New Discovery in my store I sent for a bottle and began its use and from the first dose began to get better, and after using three bottles was up and about again. It is worth its weight in gold. We won't keep store or house without it." Get a free trial at Royster's Drug Store. 2

The Mexican Central railroad is to be extended to the Pacific, and a new issue of bonds will be made for the cost of the construction.

In Poor Health

means so much more than you imagine—serious and fatal diseases result from trifling ailments neglected. Don't play with Nature's greatest gift—health.

Brown's Iron Bitters

If you are feeling out of sorts, weak and generally exhausted, nervous, have no appetite and can't work, begin at once taking the most reliable strengthening medicine, which is Brown's Iron Bitters. A few bottles cure—benefit comes from the very first dose—it won't stain your teeth, and it's pleasant to take.

It Cures

Dyspepsia, Kidney and Liver Neuralgia, Troubles, Constipation, Bad Blood, Malaria, Nervous ailments, Women's complaints.

Get only the genuine—it has crossed red lines on the wrapper. All others are substitutes. On receipt of two 2c. stamps we will send set of Ten Beautiful World's Fair Views and book—free. BROWN CHEMICAL CO. BALTIMORE, MD.

Latham, Alexander & Co., bankers and cotton commission merchants, of 16 and 18 Wall street, N. Y., gives the following estimate of the cotton acreage in the South for 1895 as compared with 1891: Alabama, acreage decrease, 11 per cent. Arkansas, 16 per cent. Florida, 14 per cent. Georgia, 13 per cent. Louisiana, 11 per cent. Mississippi, 12 per cent. North Carolina, 17 per cent. South Carolina, 15 per cent. Tennessee, 12 per cent. Texas, 15 per cent.

BABIES are subject to peculiar ills. The right remedy for babies' ills—especially worms and stomach disorders—is Frey's Vermifuge. It has cured children for 50 years. Send for illus. book about the ills and the remedy. One bottle mailed for 25 cents. E. & S. FREY, Baltimore, Md.

Persons residing in Newton or vicinity, wishing copies of the Henry Weidner Memorial pamphlets, will find them at the drug store of Messrs. Smith and Haywood. Price 15 cents copy.

CLINTON A. CILLEY ATTORNEY AT LAW, HICKORY N. C.

Practices in the courts of this and adjoining counties, also in the Federal courts. mh 8 1y

SALE OF CITY PROPERTY.

By virtue of the powers of sale contained in two deeds of trust executed May 16th, 1893 and August 5th 1893 by G. G. Watson to The First Building & Loan Association of Hickory, N. C., and duly registered—and because of default made in the payment of interest and dues specified in said deeds and to satisfy the claims of said Association, I, A. L. GROUSE, Secretary-Treasurer and Trustee will on Saturday, June 8th, 1895, at 2 p. m. before the Bank in Hickory, offer at public auction to the highest bidder, the John O. G. Watson property in the north-western part of Hickory, being about four acres of land with large residence recently remodeled; lot known as No. 1 on the plat of the Bank heirs. Exact boundaries furnished upon application. Terms—Cash, unless otherwise agreed upon. This May 1st, 1895. E. B. CLINE, Attorney. A. L. GROUSE, Sec-Treas. & Trustee.

W. L. LOWE

HAS the largest stock of Musical Instruments in North Carolina, and his prices are the lowest. Come to see me. Orders by mail have prompt attention. Address W. L. LOWE, Newton, N. C. May 9, 1895.

H. C. DENNY City Barber

(Shop moved to Main Street Ground Floor) HICKORY, - - N. CAROLINA

The best work and lowest prices. Most handsome compartments and superb equipments. Give him a call.

NOTICE.

I WANT every man and woman in the United States interested in the Opium and Whisky habits to have one of my books on these diseases. Address B. M. Woolley, Atlanta, Ga. Box 382, and one will be sent you free.

Chamberlain's Eye and Skin Ointment Is a certain cure for Chronic Sore Eyes, Granulated Eye Lids, Sore Nipples, Piles, Eczema, Tetter, Salt Rheum and Scald Head, 25 cents per box. For sale by druggists.

TO HORSE OWNERS.

For putting a horse in a fine healthy condition try Dr. Cady's Condition Powders. They tone up the system, aid digestion, cure loss of appetite, relieve constipation, correct kidney disorders and destroy worms, giving new life to an old or over worked horse. 25 cents per package. For sale by druggists.

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