

POPULAR SCIENCE

The need of a dark room in photography is obviated by Dr. Hezekiel, of Berlin, by the use of a reddish-brown solution. Immersion of the plates in this for two minutes renders the film impervious to light, after which the developing can be done in broad daylight.

A naturalist says that the hissing of the cat is merely an imitation of the hiss of the snake, done for the cat's protection. Everything in nature dreads the snake, and the hiss is its characteristic note. That other animals should imitate it, therefore, is only a part of nature's protective scheme.

Arsenic, the dreaded poison that Professor Armand Gautier, of Paris, asserts is essential to life, proves to be disseminated in the primitive rocks, from which sea-water derives its store. The minute quantity taken in the food becomes localized in the skin and its appendages, the thyroid and mammary glands, the brain and the bones, and it is stated to be the exciting ferment of the functions of sensation and reproduction, just as phosphorus is the exciting element of the functions of cellular nutrition.

A naturalist says that the red-billed weaver-bird is to be found nowhere except with buffaloes. The reason is that the bird gets nearly on all its food on the big, woolly animals, catching and eating the parasites and insects that infest them. It flits from one end to the other of the big body and hunts its prey as confidently as if the buffalo were without life, and the buffalo welcomes it as a friend. If danger approaches the bird stops feeding and flies up into the air with a peculiar sound that the animal takes as a warning.

A series of experiments was recently carried out at the Alrenburg colliery, near Saarbrücken, Germany, with lime, tar and carbolineum to determine the respective value thereof as preservatives of mine timber against rot. Lime was found to be the least valuable, while coal tar, although insuring perfect preservation of the surface of the timber, failed to protect the interior, which in every instance was found to be seriously attacked by rot. Carbolineum, however, gave excellent results, provided the timber coated had been previously barked and well dried.

The first city in Germany, and perhaps in the world, to use ozone for the purification of its water supply is Schierstein. Chemists and bacteriologists have long been familiar with the germicidal qualities of this form of oxygen, and a number of attempts have been made in Europe and America to utilize the principle. Schierstein, which is a suburb of Weisbaden, appears to be a pioneer, though, in the adoption of the system on a large scale. An elaborate factory to produce ozone electrically from the atmosphere has been erected at the waterworks, and has now been turned over to the municipality. Similar apparatus has been installed at Paderborn. Ozone is used to purify only drinking water, and treatment with it is substituted for sand filtration, the favorite expedient in Germany for getting rid of obnoxious bacteria.

Facts About Insects.

As about 8000 new species of insects are named annually it is not surprising that our knowledge of these forms of life must have increased very greatly since the issue of the ninth edition of the Encyclopaedia Britannica. In the supplementary volumes Dr. Sharpe in his article, "Insects," presents a summary of recent progress in entomology. It is estimated by some authors that the entire insect world numbers something like 10,000,000 forms, of which many are still unknown to science. As a large number of species must be in process of extinction Dr. Sharpe concludes that it is probable that a considerable proportion of the species of insects now existing will have disappeared from the face of the earth before specimens of them have been either discovered or preserved. It is interesting to reflect that science, omnivorous and all-collecting, may be destined in the mere attempt to catalogue the inhabitants of a very small earth.

A Mammoth Skull From Texas.

The largest skull of an imperial mammoth extant has been placed on exhibition in the fossil mammal hall of the Museum of Natural History at New York City. The great tusks and plate of the lower jaw discovered by an amateur collector in Western Texas, and the rest of the skull was reproduced in plaster. The entire lower portion of the skull, the large pair of standing teeth and the gigantic tusks are complete. The tusks are the largest ever found among other living or fossil animals. So far as preserved they measure thirty and a half feet. It is estimated that their original length was fourteen and a half, the ends having been broken off.

JUST A DELICATE HINT.

How Irishman Wittily Suggested Additional Refreshment.

An Irish jarvey was driving with an English visitor, who was on his way to spend Christmas with some relatives in Ireland, on a bitterly cold day in December through the wilds of Connemara. They became quite sociable on the way, and the native, in a burst of confidence, pointed out a shebeen where the "best potheen in Connacht" might be obtained. The Englishman, only too glad to get an opportunity of warming himself, offered refreshment, which offer was readily accepted.

"'Tis a very cold day in these parts, Pat?" observed the tourist.

"'Tis, your honor," replied Pat. He raised his glass, and the contents speedily vanished. "And there's truth in the ould sayin'," he suggestively added, smacking his lips; "one swallow never made a summer."—London Tit-Bits.

Excusable Profanity.

Rear Admiral Meville addressed the Engineering Society of Columbia University on Arctic experiences last week, and for nearly three hours kept his audience deeply interested, many of his hearers being women. In telling what happened at the wreck of the Janette he said that at one time he was afraid of being swamped and that made him swear. "So I turned," said he, "and yelled, G—d—n it, I must run for it or swamp." It made me swear, ladies and gentlemen." For a moment everybody was startled, but a round of applause soon testified to an understanding that the sailor was merely realistic and not profane in the ordinary way.

Native Generosity.

"Are you catching any fish, little boy, may I ask?"
"Not a blame fish."
"Are you—aw—getting any bites?"
"Nary bite."
"Have you been fishing here long?"
"All day."
"Do you expect to catch anything?"
"Nope."
"Then why, little boy, do you continue to fish?"
"So's you kin hev somethin' to put in yer book on Ameriky, mister."

How's This?

We offer One Hundred Dollars Reward for any case of Catarrh that cannot be cured by Hall's Catarrh Cure.

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Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. Price, 75c. per bottle. Sold by all Druggists. Testimonials free. Hall's Family Pills are the best.

It's no fun for a woman to suffer if she has to suffer in silence.

FITS permanently cured. No fits or nervousness after first day's use of Dr. Kline's Great Nerve Restorer. \$2 trial bottle and treatise free. Dr. B. H. KLINE, Ltd., 391 Arch St., Phila., Pa.

The girl who marries in haste is sometimes obliged to walk home.

Mrs. Winslow's Soothing Syrup for children teething, softens the gums, reduces inflammation, allays pain, cures wind colic, 25c. a bottle.

The man with one foot in the grave finally gets there with both feet.

Piso's Cure for Consumption is an infallible medicine for coughs and colds.—N. W. SAMUEL, Ocean Grove, N. J., Feb. 17, 1900.



One of the essentials of the happy homes of to-day is a fund of information as to right living and the best methods of promoting health and happiness. With proper knowledge, each hour of recreation, of enjoyment and of effort may be made to contribute to that end and are of not less value than the using of the most wholesome foods and the selecting of the best medicinal agents when needed. With the well-informed, medicinal agents are used only when nature needs assistance and while the importance of cleansing the system effectually, when bilious or constipated, has long been known, yet until within recent years it was necessary to resort to oils, salts, extracts of roots, barks and other cathartics which were found to be objectionable and to call for constantly increased quantities.

Then physicians having learned that the most excellent laxative and cathartic principles were to be found in certain plants, principally in the leaves, the California Fig Syrup Co. discovered a method of obtaining such principles in their purest condition and of presenting them with pleasant and refreshing liquids in the form most acceptable to the system and the remedy became known as—Syrup of Figs—as figs were used, with the plants, in making it, because of their agreeable taste.

This excellent remedy is now rapidly coming into universal use as the best of family laxatives, because it is simple and wholesome and cleanses and sweetens the system effectually without disturbing the natural functions and without unpleasant after effects and its use may be discontinued when it is no longer required.

All who would enjoy good health and its blessings should remember that it is the one remedy which physicians and parents well-informed approve and recommend and use and which they and their little ones alike enjoy, because of its pleasant flavor, its gentle action and its beneficial effects.

Syrup of Figs is for sale by all reliable druggists, at the regular price of fifty cents per bottle, in original packages only, having the name of the remedy—Syrup of Figs—and the full name of the Company—California Fig Syrup Co.—printed on the front of every package.

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nature's Great Remedy for all Throat and Lung Troubles. Thoroughly tested for 30 years. All Druggists, 25c, 50c and \$1.00.

Industrial Matters.

At Ocala, Fla., last week M. W. Goethe & Co., of Collins, Ga., purchased 10,000 acres of timber land from N. W. Ellis for \$20,000. Another sale is reported of 10,000 acres by W. W. Ullman to Peterson & Pounds for the same consideration. The turpentine and timber industry in the Ocala section at present is remarkably active.

The lumbermen of Memphis, Tenn., have determined to begin shipping their finished product to New Orleans by means of barges on account of the freight congestion. A local insurance agent last week was asked to place marine insurance on three barges with over a million feet of lumber consigned to New Orleans for export.

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"New Rival" "Leader" "Repeater"

If you are looking for reliable shotgun ammunition, the kind that shoots where you point your gun, buy Winchester Factory Loaded Shotgun Shells: "New Rival," loaded with Black powder; "Leader" and "Repeater," loaded with Smokeless. Insist upon having Winchester Factory Loaded Shells, and accept no others.

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