

SCIENTIFIC MISCELLANY.

Items Which Will Prove of Interest to Our Readers.

The difficulty experienced in soldering pieces of aluminum together or with other metals has been removed in France, by the use of an alloy of tin and aluminum instead of pure tin.

A substitute for quinine described as being even superior to that remedy, is obtained from a Peruvian plant known to botanists as *Litsea Braziliensis*.

In Zanzibar the leaves of a species of fig are used for polishing wood, just as we employ sand paper, and are said to give a polish that sand paper cannot impart.

A butterfly, a creature supposed to live only two or three days, was last year kept alive in a glass cage in England for 121 days, its age at confinement being unknown.

The beautiful red plumage of a species of South African birds has been chemically examined and found to be due to copper. When birds are kept from food containing copper they entirely lose the tint produced by that material.

Railway men are beginning to condemn the locomotive headlight, which, by the way, is not in use in Europe. They say it is of little or no utility, and its powerful illumination tends to render indistinct the colors of signal lights on the track ahead.

A novel gas light, devised by Dr. Auer, has been in operation in a chemical laboratory at Vienna. A cotton wick saturated with an incombustible metal solution is introduced into the flame of an ordinary kerosene lamp, the result being a light similar to the incandescent electric light.

No single instance of color-blindness has been found by Schwarzbach in examination of two thousand Hottentots, Malays, Melanesians, Australians, Maoris and Polynesians, and he concludes that the defect is confined to the white race, and is due to influences connected with civilized life.

The common perfumes used in confectionery and cordials have been investigated by two French chemists. Large quantities of these chemicals proved poisonous to animals, but it is doubtful whether the quantities actually employed by confectioners or liquor manufacturers are considerable enough to do harm.

A new theory of the formation of coal has been propounded by Mons. L. Braton, who considers it to have been produced by the sinking of floating islands like those which now occur on many lakes and rivers, and which are especially noticeable in the Upper Nile.

The turf of which these islands are chiefly composed becomes fossilized at the bottom of the water.

Although tried quite a number of times, surgical operations for the removal of tumors and other foreign substances from the stomach have almost invariably been unsuccessful. The second successful case has just been reported from England, where a large mass of hair, weighing about a pound, was removed from the stomach of a young lady, through an incision five inches long, and the operation followed by recovery.

The lowest temperature at which the seeds of common cultivated plants germinate has been determined by Mons. Hellegren, and ranges from 32 to 40 degrees.

In some of the English collieries experiments have been made with water cartridges, in which the gunpowder of the charge is entirely surrounded by water.

It is stated that no flame followed the explosions, even when heavy blasts were made. The water cartridges and ordinary gunpowder cartridges were fired in bags of coal dust, the dust being fired by the latter, while the former simply dispersed it in a dark cloud mixed with steam.

The new cartridges are expected to render great services in mines where fire-damp is present.

Prof. Germain See, the eminent French physiologist, declares that man is omnivorous and is destined to live on the elements furnished by the three kingdoms of nature. It cannot maintain robust health on meat alone, nor can he live on vegetables alone. The practice of pure vegetarianism is simply impossible, and the so-called vegetarians are compelled to make up the deficiency in their food by consuming a quantity of such animal substances as milk, eggs and butter.

From the mineral kingdom must be had pure water, which can be replaced by no other fluid.

CASTOR OIL for Infants and Children. An exchange furnishes us with the following list: 1. To think that anyone can farm: that a man who has starved as a canvasser for a patent tooth pick, or has been unsuccessful as a carpenter, can jump into a business requiring high intelligence and persevering efforts and be ignorant of the details, is to be called a madman.

HOW THE FARM PAYS, 412 pages, \$2.50. GARDENING FOR PROFIT, 300 pages, \$1.50. PRACTICAL FLOWERTURE, 300 pages, \$1.50. Peter Henderson & Co., NEW YORK.

TUTT'S PILLS 25 YEARS IN USE. The Greatest Medical Triumph of the Age! SYMPTOMS OF A TORPID LIVER. Loss of appetite, bowels constive, pain in the back, etc.

TUTT'S HAIR DYE. Great Hair Restorer. It restores the color of the hair, and keeps it from falling out.

CHICAGO COTTAGE ORGAN. The lowest temperature at which the seeds of common cultivated plants germinate has been determined by Mons. Hellegren, and ranges from 32 to 40 degrees.

THE POPULAR ORGAN. Instruction Books and Piano Stools. Catalogues and Price Lists, on application, FREE.

B. J. LYNCH, UNDERTAKER. HOME AND CITY MADE FURNITURE. PARLOR AND CHAMBER SUITS, LOUNGES, BEDSTEDS, TABLES, CHAIRS, Mattresses, &c.

STOPPED FREE. FITS STOPPED FREE. ILLUSTRATED STOCK BOOK. A treatment of Illnesses of the Horse, Cattle, Sheep, Pigs, etc.

A WONDERFUL PLACE. The immense Krupp works at Essen are rigorously closed against visitors and the outside world has been unable therefore to learn much of the renowned establishment where the most terrific engines of warfare are made for Germany and her friends.

MISTAKEN OF FARMERS. An exchange furnishes us with the following list: 1. To think that anyone can farm: that a man who has starved as a canvasser for a patent tooth pick, or has been unsuccessful as a carpenter, can jump into a business requiring high intelligence and persevering efforts and be ignorant of the details, is to be called a madman.

Downright Cruelty. To permit your family to "suffer"!! With sickness when it can be prevented and cured so easily.

Helpless Upon a Friendless Sea. Who, in taking passage in a great transatlantic steamer, does not feel a thrill of sympathy over his fellow passengers?

A CARD. To all who are suffering from the errors and indiscretions of youth, nervous weakness, and all the ills that attend on the system.

PATENTS. H. J. TALENER. I have recommended it to hundreds of others who have no such "Advocate as an am." - Geo. Kendall, Allston, Boston, Mass.

ENCOURAGE HOME INDUSTRY. The attention of buyers is respectfully invited to my large stock of ELEGANT FURNITURE.

THE SUN. The Best Newspaper in America, and by far the Most Readable. Agents wanted everywhere to earn money in distributing the Sun's Premiums.

Wanted. AGENTS in every Township in this County to solicit subscriptions for the WEEKLY PATRIOT.

ROUGH ON RATS. Rough on Rats, mice, roaches, flies, ants, bed-bugs, etc. Hoist Rats. Hoist Rats. Hoist Rats.

ROUGH ON CATS. Hoist Cats. Hoist Cats. Hoist Cats. Hoist Cats. Hoist Cats.

ROUGH ON PILES. Hoist Piles. Hoist Piles. Hoist Piles. Hoist Piles. Hoist Piles.

ROUGH ON THE FACE. Hoist Face. Hoist Face. Hoist Face. Hoist Face. Hoist Face.

ROUGH ON THE THROAT. Hoist Throat. Hoist Throat. Hoist Throat. Hoist Throat. Hoist Throat.

ROUGH ON THE STOMACH. Hoist Stomach. Hoist Stomach. Hoist Stomach. Hoist Stomach. Hoist Stomach.

ROUGH ON THE LIVER. Hoist Liver. Hoist Liver. Hoist Liver. Hoist Liver. Hoist Liver.

ROUGH ON THE BOWELS. Hoist Bowels. Hoist Bowels. Hoist Bowels. Hoist Bowels. Hoist Bowels.

ROUGH ON THE BLADDER. Hoist Bladder. Hoist Bladder. Hoist Bladder. Hoist Bladder. Hoist Bladder.

ROUGH ON THE KIDNEYS. Hoist Kidneys. Hoist Kidneys. Hoist Kidneys. Hoist Kidneys. Hoist Kidneys.

ROUGH ON THE SPLEEN. Hoist Spleen. Hoist Spleen. Hoist Spleen. Hoist Spleen. Hoist Spleen.

ROUGH ON THE PANCREAS. Hoist Pancreas. Hoist Pancreas. Hoist Pancreas. Hoist Pancreas. Hoist Pancreas.

ROUGH ON THE PROSTATE. Hoist Prostate. Hoist Prostate. Hoist Prostate. Hoist Prostate. Hoist Prostate.

ROUGH ON THE UTERUS. Hoist Uterus. Hoist Uterus. Hoist Uterus. Hoist Uterus. Hoist Uterus.

ROUGH ON THE VAGINA. Hoist Vagina. Hoist Vagina. Hoist Vagina. Hoist Vagina. Hoist Vagina.

ROUGH ON THE CERVIX. Hoist Cervix. Hoist Cervix. Hoist Cervix. Hoist Cervix. Hoist Cervix.

ROUGH ON THE VULVA. Hoist Vulva. Hoist Vulva. Hoist Vulva. Hoist Vulva. Hoist Vulva.

ROUGH ON THE CLITORIS. Hoist Clitoris. Hoist Clitoris. Hoist Clitoris. Hoist Clitoris. Hoist Clitoris.

HUNT'S KIDNEY REMEDY. Lots of People Say, "OH MY BACK!" Here is Solid A TESTIMONY from Hard Working Men.

HUNT'S KIDNEY REMEDY. I have been troubled years with kidney and bladder difficulty. After using four bottles of Hunt's (Kidney and Liver) Remedy I have been completely cured.

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HEALTHY BIRTH. One of the secrets of successful operation is in the matter of the germ.

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