

HEALTH HINTS.

Hemorrhages of the lungs or stomach are promptly checked by small doses of salt. The patients should be kept as quiet as possible.

Sleeplessness caused by too much blood in the head may be overcome by applying a cloth wet with cold water to the back of the neck.

Wind colic is promptly relieved by peppermint essence taken in a little warm water. For small children it may be sweetened. Paregoric is also good.

A good way to remove impurities from the skin is to rub gin in the pores when going to bed and not washing it off till the morning, when a little cold cream is used.

For weak and inflamed eyes, take a piece of green copperas the size of a hazel-nut, put it in a pint of cold spring water and bathe the eyes frequently.

Plain hearty suppers, according to an experienced physician, are conducive to sleep, and, therefore, good things to go to bed on.

Fighting the South Sea Islanders. Letters have been received from Melbourne containing particulars of encounters which the Miranda, Captain Ackland, had with the natives during a six months' cruise among the South Sea Islands.

After receiving due warning and replying that they would rather fight than give up the murderers, the Miranda opened fire upon the natives with two 7-inch guns, two 64-pounders and two Gatlings.

The Miranda afterward proceeded to Api and demanded payment of the fine imposed some months since upon the natives by Captain Dale, of the Diamond.

A Young Doctor's Experience. When Dr. Koch, the discoverer of several kinds of bacteria, or the germ of different diseases, brought forward the cholera bacilli, which he averred could not be mistaken for any other, the enthusiasm among scientific men was so great that several students offered themselves as subjects for experiment.

Predicting the Weather from the Color of the Stars. From the fact that the color of pure water in great bulk is blue, M. Ch. Montigny explains the predominance of this color in the scintillation of the stars just before and during wet weather.

Dr. Rabboth, a young physician in London, while removing the deposit lately from the throat of a child dying with diphtheria, applied his own mouth to the tube and sucked it out, as the last hope of rescue.

The Ainos. The chief object of interest to the traveler in Yezo, the island dependency of Japan, is the remnant of the Aino race, the aborigines of Yezo, and not improbably of the whole of Japan.

A Chinese Poet. Wong Chin Foo writes: "The New York Chinaman has a literary club called the Yuch Kink Why (Monthly Improvement Society), meeting once a month to compare essays and poems, for mutual improvement, in the Chinese language, and prizes are offered for the best literary productions on themes given by the club."

There are about 150 vessels and 200 Hampton boats owned in Portland, Me., which are engaged in the fishing business, giving employment to about 4,000 fishermen.

The present population of the world is stated at 1,294,533,975, of whom 7,821,080 are Jews and 370,879,066 are Christians.

When you visit or leave New York city, save baggage express and still carry your bag, and also at the Grand Union Hotel, opposite Grand Central depot.

One dry goods firm in New York estimates that it is put to an annual expense of from \$17,000 to \$20,000 for samples of fabrics, with the postage, sent all over the country in answer to requests.

How Gun Cotton is Made.

It is not generally known that there is but one place in the United States where gun cotton is manufactured, but such is the case. This is at the torpedo station in Newport (R. I.) harbor.

The cotton waste, after it has been handpicked for the purpose of recovering the dirt and grit, is placed in boiling tanks, where it is allowed to remain for four hours. It is afterward subjected to a thorough washing and is rebolled.

This operation removes all oily matter and leaves the cotton harsh and stiff. It is then dried in the rooms heated with the waste air from a drying box.

After undergoing this treatment the cotton rolls up into snarls and bunches, and in order that the acid may have a freer access to it it is passed through a shredder and converted into a fluffy state.

It is afterward exposed in an air-tight box for several hours to a temperature of 200 degrees, which practically deprives it of all moisture.

From the air-tight box it is removed to the dipping room, where there are iron troughs filled with one part nitric acid and two parts of sulphuric acid.

Into these troughs the cotton is placed, one bundle at a time, and allowed to remain about ten minutes, long enough for it to be thoroughly soaked.

The acid is hand-pressed from the cotton, which is then placed in covered earthen jars, where it remains twenty-four hours undergoing chemical transformation.

In view of the fact that much heat is evolved during the chemical reaction, it is found necessary to place the jars in pots and surround them with flowing water, which serves to keep them cool.

The cotton is now in long shreds and balls, which can be used or stored without danger, the process of conversion and cleansing being completed, but for military use it must be put into a more compact form.

For this purpose the gun-cotton in charges of 300 pounds is thrown into a pulping tub, where, mixed with water, it is ground by steel cutters into a fine pulp.

The grinding and breaking up of the cellular tissue of the cotton has made it more or less dirty, and it is necessary, therefore, to expose it to frequent washings in the poaching tubs, from which, after treating it with lime water to make the moisture slightly alkaline, it is drawn up into a large iron tank, where it is fed to the molds, which, under a moderate pressure, press the water from the pulp and trim out cylinders of cotton about eight inches high and three and a half inches in diameter.

These cylinders are then placed under a hydraulic press and exposed to a pressure of about 1,700 pounds to the square inch or about eight tons on each. The cylinders are pressed into hard cakes or disks, two inches high and three and a half inches in diameter, with a specific gravity a little greater than water.

They are then packed in boxes of fifty pounds each and kept in magazines for general use. Gun cotton is, from its great explosive power and the conditions of safety attached to its storage, superior to any other known explosive for naval warfare.

The cost of the public domain of the United States, first and last, has been about \$650,000,000, not including the cost of wars with Indians, England and Mexico, or of the consequent diplomatic and other negotiations that have ensued.

A STATE BALL IN JAPAN.

CURIOUS SCENES WITNESSED BY A YOUNG AMERICAN.

The Decorations, the Music, the People Present, their Dress and How They Acted.

A young American describes in the New York Evening Post a ball given in honor of the mikado's birthday, at Tokyo, Japan, by the Japanese Minister of Foreign Affairs, Count Inouye.

The writer says the ball was held "at the splendid building of the Rokumeikan—the swell club of Tokyo. All the officers of the empire, the foreign legations, and a great many outside foreigners were invited."

"The club itself is a very fine one and the building will compare favorably with most of our home clubs. On the night of the ball, it was beautifully decorated inside and out. Outside, strings of colored lanterns hung in all directions and fireworks kept going all the evening, so that the uninvited crowd without had a fine entertainment provided for them.

Inside, the decorations consisted of bunting and flowers, mostly chrysanthemums, which are now in full height of perfection and are of every imaginable shade and size. The music was supplied by the naval and military bands and was very good.

"I wish I could give you a good idea of the scene the ball-room presented, dressed with gayly-colored flags and filled with a crowd in which were mingled nearly all the nationalities of the world. It looked as if I imagine some huge fancy fair or ball might, but then the people all had the advantage of being in their own costumes, and carried them off better than any mere masquerader.

First, the Japanese officers and gentlemen in gold coats—really very little exaggeration, for most of them had such profusion of gold lace that you could see little cloth, and this little was covered with insignia and orders as a rule. The four royal princesses, dressed in the new (revived) court dress, and were accompanied by six or eight maids of honor in the same dress.

This court dress consists of loose crimson trousers, which are so wide that they look like a loose single skirt, and loose jackets of gorgeous material with tremendous sleeves; the hair is done in two broad flat plaits, which stick out on either side of the head and join in a single, rather careless twist which hangs straight down the back.

Altogether, it is very ugly and unbecoming. Only the princesses and their train were dressed in this style. Many of the Japanese ladies wore beautiful European costumes, but they do not look well in them, having neither the height nor the figures necessary for them.

The Japanese ladies dressed in their own ordinary style of costume of costly and beautiful material looked very picturesque and pretty, much better than their sisters in the attempt at foreign style, to my mind. Their dresses consisted of the ordinary kimono, made of elegant silk crepe of a soft shade of grey, with a simple white fichu at the throat and plaits of some soft white material at the feet, where the skirt separated slightly in walking.

"The Chinese minister and his suite in their court costume were walking gravely and slowly about with their red-buttoned hats and most elegantly braced silk and satin garments, looking for all the world as if they had stepped off the pedestal of some tea shop's sign. Koreans with high hats made of something which looks like wire gauze, Russian, French, and English naval and military officers, in handsome uniforms, one or two United States naval men, in plain blue with brass buttons, looking rich and well to me, compared with the scarlet coats and profuse gold lace, and a mass of undistinguished humanity in the regulation black dress suit, made up the remainder of the assemblage.

"All kinds of dancing could be seen on the floor. Some of the Japanese ladies and gentlemen had been practising for some weeks, and went through the square dances well. A few essayed the waltz, and one naval officer, with the faculty in dancing that seems to go with all naval men, got on remarkably well.

Use Dr. Pierce's "Favorite Prescription." Cures all weaknesses and irregularities, arising from liver troubles, "intermittent fever," bloating, displacements, inflammation, morning sickness and tendency to cancerous disease. Price reduced to one dollar. By druggists.

Jersey City has a debt of over \$18,000,000. Delicate diseases, affecting male or female, however induced, speedily and permanently cured. Illustrated book three letter stamps. Consultation free. World's Dispensary Medical Association, Buffalo, N. Y.

In Mexico there is a petrified forest covering 500 acres. The Children's Health must not be neglected. Colds in the Head and Snuffles bring on Catarrh and throat and lung affections. Ely's Cream Balm cures as applied. It is perfectly safe and is easily applied with the finger. It also cures Catarrh and Hay Fever, the worst cases yielding to it in a short time.

"Rough on Pain" Plaster. For use and strengthening, improved, the best for backache, pains in chest or side, rheumatism, neuralgia, etc. Druggists or mail.

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SCIENTIFIC AND INDUSTRIAL.

Some French scientists now regard the zodiacal light as simply a reflection of light from the illuminated part of the earth upon an open stratum of the atmosphere.

In Paris, an electric lamp fed with a portable accumulator has been selected and rendered obligatory for use in seeking leaks in gas pipes. It is probable that many disastrous explosions will be thus avoided.

A considerable industry has grown up in San Francisco manufacturing the petrified wood which is found along the Atlantic and Pacific railroad in the Rocky mountain region. It receives a high polish, and mantels, tiles and a variety of things are made from it.

A device for keeping grain and other uncertain kinds of cargo from shifting has been patented by a firm in New Orleans, and promises to prove cheap, simple and in every way desirable.

Professor Huxley lends scant countenance to what has been called by our English brethren the "mackerel scare."

The parasitic worms living within or on the outside of other animals generally have a sucker at one end, or underneath, serving simply for attachment, and another which is perforated.

A remarkable worm known to the natives of the Fiji islands by the name of "Mbalolo" and to naturalists as salalo virides—is found in certain of the coral Archipelagos of the Pacific.

I Had a Dreadful Cough, and raised a considerable amount of blood and matter; besides, I was very thin, and so weak I could scarcely go about the house.

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MEASMAN'S PREPARED SERRA TONIC, the only preparation of beef containing its entire nutritive properties. It contains blood-making forces generating and life-sustaining properties; invaluable for indigestion, dyspepsia, nervous prostration, and all forms of general debility; also, in all embolized conditions, whether the result of exhaustion, nervous prostration, overwork or acute disease, particularly if resulting from pulmonary complaints, Catarrh, Haemorrhage, or Proprietary, New York. Sold by druggists.

Catarrh of the Bladder. Stinging, irritation, inflammation, all Kidney and Urinary Complaints, cured by "Buchu-Falba." \$1.

"Tough on Coughs." Ask for "Tough on Coughs," for Coughs, Colds, Sore Throat, Hoarseness, Trachea, etc. Liquid, 25c.

As the sable is to ermine, as smut to flower, as coal to charcoal, as soot to driven snow, so is Carboline, the perfection of all hair renews, to all other preparations.

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HUNT'S (Kidney and Liver) PILLS. Cures all diseases of the kidneys, liver, bladder, urinary organs, dropsy, jaundice, diabetes, rheumatism, neuralgia, sciatica, etc. Sold by druggists.

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