

Science AND INVENTION

A cobra that measured somewhat over seven and one-half feet, taken at Jaffna, Ceylon, is stated to be by far the largest ever recorded.

A French naturalist asserts that if the world should become birdless, man would not inhabit it after nine years' time, in spite of all the sprays and poisons that could be manufactured for the destruction of insects. The bugs and slugs would simply eat up all the orchards and crops in that time.

Eyestones are the opercula or small lenticular footdoor of a small marine shell, family Turbinidae. They are a calcareous body. The removal of foreign substances was performed by placing one in the inner corner of the eye and allowing it to pass across the eyeball, under the lid, bringing the foreign substance with it.

In France a system, invented by Monsieur DuLois, is used to preserve telegraph poles from rotting. The bottom of the pole up to, and a little above, the surface of the ground is incased in an earthenware pipe. The space between the pipe and the pole is filled with a mixture of sand and resin, which on solidifying, becomes waterproof.

Prof. Spring reports on his experiments of many years to explain the color of the water. He has come to the conclusion that a pure blue is the natural color of water, for when we look through a long tube filled with distilled water against a brilliant white surface, a pure blue is seen, such as shown by the Lake of Geneva in quiet weather, a color which is not influenced by superficial or interior reflection.

A writer in the Contemporary Review urges the need of a new class of educated physicians whose business shall be the care and cure of disease-threatened and disease-stricken plants. "The time will come," he says, "when every agricultural district will have its plant doctor." He even foresees the development of specialties by plant doctors just as by other physicians, so that in many difficult and obscure cases of disease affecting valuable plants, the services of such specialists will be employed. The foundation of schools of practical plant pathology is urged as a matter of national importance.

It has been noticed that many plants, not natives of the locality, are to be found growing in the neighborhood of great railroad yards. Sometimes the seeds of these plants have been brought thousands of miles from their natural habitat. Often they flourish amid their new surroundings, and gradually spread over the surrounding country. Thus the railroads carry unsuspected emigrants, which travel to and from every point of the compass. In the Mississippi Valley are to be found plants which, within a few years past, have been thus brought thither, some from the Atlantic seaboard, some from the Gulf region, and some from the other side of the Rocky Mountains.

Payta, in Peru, about five degrees south of the equator, has the reputation, according to Prof. D. G. Fairchild, of being the driest spot on the globe. On the average, a shower of rain occurs at Payta only once in two years. But the interval between showers is often much longer. In February last, when Prof. Fairchild visited the place, the first rain fallen in eight years had just wetted the thirsty soil, having lasted from 10 p. m. until the following noon. Yet in that arid climate seven species of annual plants manage to exist, and the natives earn a livelihood by growing a species of cotton whose long roots find moisture in the bed of a dried-up river. This cotton is readily marketed. The coast at Payta has risen forty feet within historic times.

THE WOMEN OF SPAIN.

Interesting Statistics as to Their Social and Intellectual Condition.

A great deal has been written about Spanish men, but I think one may find a truer key to Spanish character by taking a glimpse of the misery of the Spanish women. I doubt if the Spanish woman is any better off than the Turkish woman, and while American women are not clamoring for a conflict, the fact remains that the taking of Spain from the European geography might give a great step in advance for the women of that land.

It appears from an official document which came my way the other day that but 2,636,615 Spanish women can read or write. This fraction is almost as big as the male army that knows its own language. It is a pitiful showing, but it is only the beginning of the table of female wretchedness. The municipalities list 51,946 professional beggars who wear petticoats. Then there are 828,531 women who earn their living by working in the farm fields. There are 319,596 women rated as day servants, who get but little more than board and shelter for their work, and in all the dying dynasty there are but 719,000 girls in the schools of any kind, public or private. There are twice as many female mendicants as male. The census shows that 6,764,406 women have neither professions nor trades, and are altogether dependent upon charity, the

possibility of getting married or hard labor at starvation wages.

The same lamentable condition of the Spanish woman is shown by a glance at another side of her life. The kingdom has but seventy-four women classed as literary writers. There are but seventy-eight women physicians in the mother country and all the provinces. The women school teachers number only 14,490, as compared with 24,612 men, but this does not include the nuns, who are classed by themselves, and number 28,540.

Spanish women who are fortunate live in the most magnificent homes and seem never to bother their heads about the poorer sisters at their doors. The favorite resort for the grande señoras is San Sebastian, and the lives of the careless Spanish women of fashion lead there during the summer is said to be a scandal over all Europe. There is scarcely a pretense at propriety or even ordinary conventionality. As in France, a majority of the young girls of the best families are educated in the convents. Their greatest accomplishment is embroidery, and they sit and sit and sit at their knitting until some man from an ancient and bankrupt house or a bull-raising plantation comes along and marries them. Club life is unknown. Marriages are celebrated very early in life, and but few people who get weary of these early alliances ever go to the trouble and formality of getting a divorce. The unhappy couples simply divide up the household things and live the balance of their lives the best way they can.

Spanish women, so I have found, have very little outdoor amusement. The bicycle is just beginning to be admitted, but under protest. The young women love their queen next to pretty frocks and glittering fans and bright ribbons. They flock to the cruel shows in the bull rings and laugh and cheer at the horrible spectacles. They show no more pity than an American girl bestows upon the dashing hardships which the average tennis player or the golfer undergoes when he performs in a broiling sun to amuse her.—Chicago Times-Herald.

Decorates His Burial L. t.

Probably the strangest hobby in the world is that of Henry Woolridge, of Mayfield, Ky., who devotes all his money and time to developing his plot in the local cemetery in a way which is as grotesque as it is, happily, original. His first modest and laudable effort was to erect a plain monument to mark the family resting-place. Not satisfied with this, however, he added to it a white marble shaft, bearing on its face a relief presentment of himself on horseback.

Having thus struck the personal note, "Uncle Henry," as he is familiarly called, had a life-sized statue of himself erected at a cost of £200. He then introduced statues of his mother and eldest brother, to be followed shortly by similar statues in Indiana limestone of a favorite niece and of a young girl who had brought him flowers during an illness.

His next ambition was to see himself on horseback, and the family gathering was augmented by a life-sized statue of "Uncle Henry" on his favorite horse. Then followed presentments in stone of his favorite deerhound, "Tom Head," chasing a deer; another of a fox pursued by his foxhound, "Bob," and a marble sarcophagus with a carved representation of his favorite gun.

The latest additions have been statues of three of his brothers in the stiffest of poses and the most prosaic of dress. As "Uncle Henry," although 75 years old, is still hale and more enthusiastic than ever, it is certain that this strange menagerie will receive many more additions before he sleeps in the oddest environment with which eccentricity ever surrounded a dead man.—Tid-Bits.

Derivation of the Word "Sunday."

The word "Sabbath" is a Hebrew term for a period as well as quality of time, and means "rest." In the Bible it is used only with this meaning. Periods of one year or of seven years were thus characterized. Every seventh day was observed by the Hebrews as a weekly "Sabbath." In addition to this day others were appointed in which the obligation to cease from labor was as binding as the observance of the weekly "Sabbath." "Sunday" is so named from the day which was dedicated to the worship of the sun. Christian nations observe it as their "Sabbath," but "Sabbath" is not "Sun-day."—Woman's Home Companion.

The Origin of "Sterling."

Sterling is derived from the name by which the dwellers in eastern Germany were known in the twelfth and thirteenth centuries—they were called east-erlings. Not only was the purity of their money very famous, but that of their silver specially so, and coiners and silversmiths were fetched from those parts to improve the quality of our own manufactures.

Fresh Man.

A woman editor who has evidently "been there" offers a bit of advice to her sex at large: "Never try to signal a street-car conductor when there is a pretty girl on the opposite side of the street, unless you are a pretty girl yourself. It's hopeless."

Killing Locusts by Inoculation.
Dr. Alexander Edington, a distinguished graduate of Edinburgh university, now director of the Bacteriological Institute at Grahamstown, South Africa, has cultivated a fungus which, when administered in a liquid form to locusts, produces a fatal disease, rapidly destroying the pests in enormous swarms. Three great swarms of locusts ravaging the fields were recently entirely destroyed in this manner within a week.

Our Nation's Wealth.

The material wealth and strength of our nation is in iron, the most useful of all metals, just as the wealth of a human being lies in a useful stomach. If you have overworked yours, try Hostetter's Stomach Bitters. It will relieve the clogged bowels, improve the appetite and cure constipation, dyspepsia and biliousness.

Latest in Roses.

The latest thing in roses is the possession of an East Anglian rose grower, who, in his catalogue, says that its name is Kruger, and that it requires a warm position and much disbudbing.

Two thousand plumbers and 6,000 laborers in Chicago are either on a strike or under orders to strike against the new rules of the Building Contractors' Council.

TRY ALLEN'S FOOT EASE.

A powder to be shaken into the shoes. At this season your feet feel swollen, nervous and uncomfortable. If you have smarting feet or tight shoes, try Allen's Foot-Ease. It rests and comforts; makes walking easy. Cures swollen and sweating feet, blisters and callous spots. Relieves corns and bunions of all parts and is a certain cure for Chilblains, Sweating, Itching or frost-bitten feet. We have over thirty thousand testimonials. Try it today. Sold by all druggists and shoe stores for 25c. Trial package FREE. Address, Allen S. Olmsted, Le Roy, N. Y.

Public schools cost Berlin \$3,000 a year.

They Never Fail.

Almost never. Cascarolets cure so large a percentage that they're guaranteed to cure chronic constipation or money refunded. Druggists, 10c, 25c, 50c.

Eighty-four per cent of Idaho is public land.

Mothers will find Mrs. Winslow's Soothing Syrup the best remedy to use for their children during the teething period.

Employees of the American Hide and Leather Company's tanneries at Lowell, Mass., who have been on a strike, returned to work, the differences having been settled by arbitration.

CATARRH CANNOT BE CURED

With local applications, as they cannot reach the seat of the disease. Catarrh is a blood or constitutional disease, and in order to cure it you must take internal remedies. Hall's Catarrh Cure is taken internally, and acts directly on the blood and mucous surfaces. Hall's Catarrh Cure is not a quack medicine. It was prescribed by one of the best physicians in this country for years, and is a regular prescription. It is composed of the best tonics known, combined with the best blood purifiers, acting directly on the mucous surfaces. The perfect combination of the two ingredients is what produces such wonderful results in curing catarrh. Send for testimonials, free.

F. J. CHENEY & CO., Props., Toledo, O. Sold by druggists, price 75c. Hall's Family Pills are the best.

At Chicago 7,000 members of the building trades are on strike.

I never used so quick a cure as Piso's Cure for Consumption.—J. B. Palmer, Box 1171, Seattle, Wash., Nov. 25, 1895.

Greater New York has one negro policeman.

TO CURE A COLD IN ONE DAY.
Take Laxative Bromo Quinine Tablets. All druggists refund the money if it fails to cure. E. W. Grove's signature is on each box. 25c.

In General Kobbe's expedition in the islands of Luzon, Leyte and Samar, troops from the two regiments have occupied nine towns and placed 180,000 bales of hemp on the market.

At a request of the legislative committee of the Ohio Federation of Labor a bill has been introduced in the Ohio legislature providing for equal wages for men and women.

BEST FOR THE BOWELS

If you haven't a regular, healthy movement of the bowels every day, you're sick or will be. Keep your bowels open, and be well. Force, in the shape of violent physic or pill poison, is dangerous. The smooth, easiest, most perfect way of keeping the bowels clear and clean is to take



Pleasant, Palatable, Potent, Taste Good, Do Good, Never Sickens, Weakens, or Gripe, 10c. Write for free sample, and booklet on health. Address: Sterling Remedy Company, Chicago, Montreal, New York, 322a

KEEP YOUR BLOOD CLEAN

WHEAT CORN WHEAT

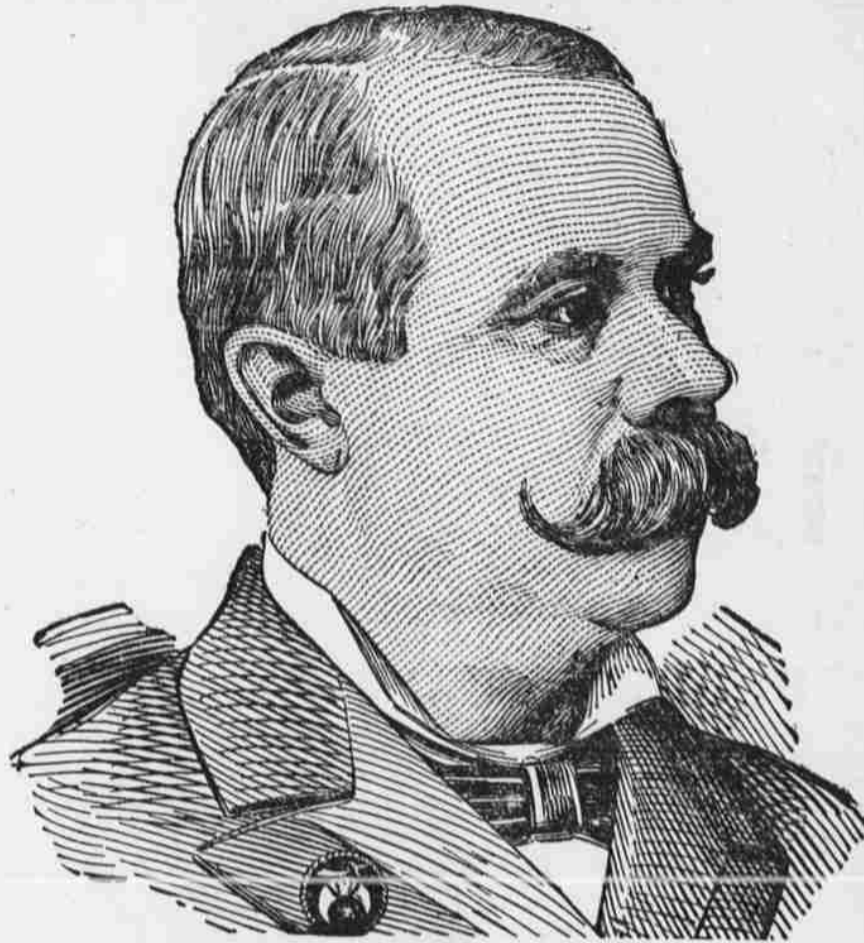
Will out-yeild corn; will make the same kind of meal; has superior fattening qualities; will solve the problem of fattening Hogs and Cattle in a wheat country; should be sown in the spring the same as wheat and will yield from 50 to 100 bushels per acre; the straw after it is thrashed has an oily substance and it is almost as good as hay.

Price of seed 10c per pound or \$5 per hundred. Address M. J. SHIELDS & CO., Moscow, Idaho.



A NOTED JUDGE SAVED BY PERUNA.

Had Catarrh Nine Years--All Doctors Failed.



HON. GEORGE KERSTEN, OF CHICAGO.

Hon. George Kersten, a well-known Justice of the Peace, of Chicago says: "I was afflicted with catarrh for nine years. My catarrh was located chiefly in my head. I tried many remedies without avail. I applied to several doctors, but they were not able to cure me. I learned of the remedy, Peruna, through the daily newspapers. After taking the remedy for 18 weeks I was entirely cured. I consider my cure permanent, as it has been two and a half years since I was cured."

Any man who wishes perfect health must be entirely free from catarrh. Catarrh is well-nigh universal; almost omnipresent. Peruna is the only absolute safeguard known. A cold is the beginning of catarrh. To prevent colds, to cure colds, is to cheat catarrh out of its victims. Peruna not only cures catarrh, but prevents it.

All families should provide themselves with a copy of Dr. Hartman's free book entitled "Winter Catarrh." This book consists of seven lectures on catarrh and the grippe delivered at The Hartman Sanitarium. It contains the latest information on the treatment of catarrh diseases. Address Dr. Hartman, Columbus, Ohio.

AN APPEAL TO HUMANITY GENERALLY

We need your assistance in announcing to the world the GREATEST REMEDY that Science has ever produced, and you need our assistance to secure relief for yourself and friends through SWANSON'S "5 DROPS."

A REMEDY SUPREME As surely as the American Navy has conquered and will conquer all that opposes it, so will "5 DROPS" unfailingly conquer all diseases like Rheumatism, Sciatica, Neuralgia, Lumbago, Catarrh of all kinds, ASTHMA, Dyspepsia, Backache, Sleeplessness, Nervousness, Heart Weakness, Toothache, Earache, Creeping Numbness, Bronchitis, Liver and Kidney Troubles, etc., etc., or any disease for which we recommend it. "5 DROPS" is the name and the dose. "5 DROPS" is perfectly harmless. It does not contain Salicylate of Soda nor Opium in any form. The Child can use it as well as the Adult.

Read carefully what Mr. L. R. Smith, of El Dorado Springs, Mo., writes us under date of Nov. 27, 1899, also Martan Bowers, of Caraghar, Ohio, under date of Dec. 16th, 1899:

Neuralgia! RHEUMATISM!
I do not know how to express how wonderful I think your "5 DROPS" medicine is. I was suffering intensely with NEURALGIA and thought for a month that I would have to die. One day a lady called to see me and brought me an advertisement of your "5 DROPS." I resolved to try it and sent for a sample bottle. Have been taking it for three weeks and have not had an attack of suffering since I took the first dose. I believe it has saved my life. This statement is positively true. I shall also take pleasure in recommending your "5 DROPS" for the cure of NEURALGIA.

El Dorado Springs, Mo., Nov. 27, 1899.
I was suffering at the time with untold agonies. The first dose helped me out of my pain on short notice. Bless the name of God for it. It will do all you say it will and more too. I had severe pains all over my body, when night came I could not sleep. The worst pain was in my left leg. I could not put my foot to the floor without suffering great pain. Have used four different kinds of medicine for RHEUMATISM and got no relief until I got your "5 DROPS," which gave me immediate relief of all my troubles.

MARTAN BOWERS, Box 53, Caraghar, Ohio. Dec. 16, 1899.
To enable sufferers to give "5 DROPS" at least a trial, we will send a sample bottle, prepaid by mail for 25c. A sample bottle will convince you. Also, large bottles (300 doses) \$1.00, 5 bottles for \$5. Sold by us and agents. AGENTS WANTED in New Territory. Don't wait! Write now! SWANSON RHEUMATIC CURE CO., 160 to 164 Lake St., CHICAGO, ILL.

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PORTLAND WIRE & IRON WORKS: WIRE and Iron fencing; office railing, etc. 334 Alder.

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CAWSTON & CO. ENGINES, BOILERS, MACHINERY, SUPPLIES. 48-50 First St., Portland, Or.

JOHN POOLE, PORTLAND, OREGON, can give you the best bargains in general machinery, engines, boilers, tanks, pumps, plows, belts and windmills. The new steel I X L windmill, sold by him, is unequalled.

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If you need Fresh and Reliable Seeds on which you can depend, of Vegetable, Flower, Grasses, etc., send to us and we guarantee satisfaction. Give us a trial, send for our catalogue, mailed free on application. Sevin, Vincent & Co., 652 Fiansone St., San Francisco, Cal.

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Steam Pumps
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Pumping Plants of
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DR. GUNN'S IMPROVED LIVER PILLS
ONE FOR A DOSE. Cure Sick Headache and Dyspepsia, Prevent Biliousness, Purify the Blood, Aid Digestion, Prevent Constipation. THE EVALD CHEMICAL CO., PHILADELPHIA, PA. Sold by Druggists.

CURE YOURSELF!
Use Big 4 for unnatural discharges, inflammations, irritations or ulcerations of the mucous membranes. Painless, and not astringent or poisonous.
Sold by Druggists, or sent in plain wrapper, by express, prepaid, for \$1.00, or 3 bottles, \$2.75. Circular sent on request.

DROPSY Treated Successfully
Address DR. NIEUKIRK, Mountain Home, Ida.

FOR 14 CENTS

We wish to gain this year 200,000 new customers, and hence offer 1c per City Garden Best, 1c per Early Yager Emerald, 1c per La Crosse Market Lettuce, 1c per Nira-berry Melon, 1c per 11 Day Radish, 1c per Early Ripe Cabbage, 1c per Early Dinner Onion, 1c per Brilliant Flower Seeds, 1c per

Worth \$1.00, for 14 cents. \$1.00

Above 10 Pkgs. worth \$1.00, we will mail you free, together with our great Catalog, telling all about SALZER'S MILLION DOLLAR POTATO upon receipt of this notice & 14c. stamps. We invite your trade, and know when you once try MILLION DOLLAR seeds you will never do without them. 1000 Prisoner Salzer's 1900—rarest earliest Potato Giant on earth. \$4.00

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BUY THE GENUINE SYRUP OF FIGS

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MANY SICK WOMEN

Can easily trace their trouble to the blood, but that don't help, unless they find a remedy.

Moore's Revealed Remedy

Purifies the blood—makes sick women strong and well. \$1.00 per bottle at the drug store.

FOR SALE.

A First-Class Brunswick, Balke and Colender Pool Table, with complete equipment. At a bargain. Address J. C. E., Postoffice Box 152, Portland, Oregon.

YOUNG MEN!

For Gonorrhoea and Gleet get Pabst's Okay Specific. It is the ONLY medicine which will cure each and every case. NO CASE known to have ever failed to cure, no matter how serious or of how long standing. Results from its use will astonish you. It is absolutely safe, prevents stricture, and can be taken without inconvenience and detention from business. PRICE, \$2.00. For sale by all reliable druggists, or sent prepaid by express, plainly wrapped, on receipt of price, by THE PAIBST CHEMICAL CO., Chicago, Ill. Circular mailed on request.

N. P. N. U. No. 11-1900.
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