SCIENTIFIC SCRAPS.

Modern warfare now calls for smallbore rifles, having an initial velocity of 2000 feet per second.

The swan is the longest-lived bird, and it is asserted that it has reached the age of three hundred years.

A French scientist, who has been studying the hands of manual laborers, finds that very marked physical peculimities are engendered by the pursuit of different occupations.

It is now proposed to bleach and purify by electricity not only cotton-seed and other oils, but drinking water, the current acting upon common salt, from which it evolves chlorine.

No animal can see in the dark. Some have eyes extremely sensitive to light of low intensity. Such can see in places which we pronounce dark, but there must be some light present.

During the last ten years an oculist of Cronstadt, Russia, is said to have treated thirty cases of photo-electric opthalmia, a new disease, due to the action of the electric light on the eyes.

Professor Polansky and Dr. Schindelka of the Vienna Veterinary School have constructed a laryngoscope for horses, by means of which active treatment in cases of glanders can be carried

From some observations recorded by H. L. Russel, it appears that, as a general rule, the temperature of the interior of a tree is somewhat higher than that of the air, except during the warmer parts of the day.

A new system of telegraph has a sending instrument with ten keys, each of which makes one of the straight or curved lines used in Roman letters. It is claimed to have sent a seventy-sixword message in twenty-five seconds and printed them in plain Roman characters.

Letters published in the Peruvian papers declare that the juice of the "maguey" plant is a certain cure for hydrophobia, and that it has always been used in the department of Anachs to cure all sufferings from bites.

The French Academy of Science has discovered by experiment that each human body is in itself an electric battery, one electrode being represented by the head and the other by the feet. Therefore it is the proper thing to sleep with one's head to the north and feet

Aluminium (99 per cent. pure) is now quoted at \$4 a pound. It is not very long since it was \$11. Just what it costs to make has not yet been disclosed, but there is reason to believe that if the price should run down to \$1, there would still be a manufacturer's profit.

The perfect combustion of coal seems to have been effected by William Gibbs of Essex, England. By means of a fan and suitable openings, the exact quantity of air necessary is supplied to the furnace chambers, and the products of combustion issue as hot air, free from s.noke or odor.

At the recent banquet tendered to the Pan-American delegates while in Chicago, many novel features in incandescent lighting were displayed, among which was a miniature railway train, consisting of an engine and four coaches, lighted throughout with tiny incandescent lamps. Then came a fullrigged ship, made of flowers, and sailing in a sea of roses, with a floral lightin the distance, while tiny lamps placed at various points produced an effect that was most pleasant to wit-

A Lively Kind of Stick.

John Hall of Hopkinsville was out on a hunting excursion yesterday, when he attempted to cross Pond River, which was so badly swollen he stooped to gather up a stick to measure the depth of the water. He suddenly became aware that he had grasped a large black make instead of a stick, and ere he could drop the serpent it struck at him, and only his presence of mind saved him from being bitten. After a sharp battle he killed the snake and brought it home with him. It is nearly a yard in length. - Nashville American.

The Torture of Horses,

Professor Fiomers, in a lecture before the Royal Institution, London, asserted that there was more cruelty daily perpetrated in London, New York, Paris and other great cities, through the use of the bearing rein, than resulted from vivinaction and all the other experiments of scientific men put together.

SCIENTIFIC AND INDUSTRIAL.

A jeweler in the West constructed a clock which will run 450 days without winding a second time.

Herr Weigert, a member of a firm of Berlin bankers, has been given a patent for the production of electric light withhas been given a patent out either dynames or accumulators.

Glory awaits the first amateur photographer who will take a picture of globu-lar lightning, a phenomenon known to occur, but of which no trustworthy evidence exists.

It takes but a small quantity of non-It takes but a small quantity of non-transparent matter to produce the dim-ming effect of haz. If the eye can ob-serve the color produced in a drop of wa-ter by the fifty-milliouth of a gramme of fuchshine, possibly a weight of water or dust not much greater would suffice for visibility in a column of air 1900 feet

Potato paint is a nevelty, which is said to adhere well to wood and plaster, and to be very cheap. To make it, boil one pound of peeled potatoes, mash, dilute with water and pass through a seive; then add two pounds of Spanish white in four pounds of water. Different colors can be had by the use of the ordinary mineral rowder.

In the new process for spinning and weaving glass into cloth the warp is comof silk forming the body and groundwork, on which the pattern in glass appears. Not less than fifty to sixty of the original glass strand are required to form one thread of the weft, and not more than a yard of the cloth can be produced in twelve hours.

A physician of Allegheny City, Penn., has invented a machine for carving planks of wood according to various patterns. The planks are run through the machine as they are for producing planed, tongued and grooved boards; but by means of knives skillfully adjusted, which run across the fibre of the wood, very intricate designs are carved continually from end

Hydrogen gas has been liquified, but it requires a pressure of 10,000 pounds to the square inch, and a temperature of 220 degrees below zero. It forms a blue liquid, which, by the cold produced by its own evaporation, may be frozen for an instant to a solid with a metalic lustre, thus confirming the theory that hydrogen is a gaseous metal, just as mercury is a liquid one.

The Beauty of Health.

The Beauty of Health.

How many women with resular features that might be be satisful, are not, and instead of awakening our admiration only arouse our pity. Their hollow eves and sauken cheeks and sailow skin haunt our memory. Alasi an invalid wife or mother or sister illis the house with alone and sailows and an otherwise happy fireside is shadowed with a pail of reard. Blessed be the physician who has invented a remedy with power to strengthen the female organization, that regulates the delicate functions of feminine life, that relieves showe bearing-flown pains, that renews the appetite, that perfects direction that brightens the eyes and beautifus the complexion with the glow of health. Such a remedy is Dr. Bull's Sarsparilla. It is woman's best freed for counteracting the crisis that afflet her sex. Thousands of hedies owe their beauty to a use of this incomparable alterative. Demand it of your druggist. Take no other.—Paris Netex.

The Culy Guaranteed Care

or all blood taints and hunors, pomples, lotches, crupitins and skin decases of every same and nature, is Dr. Pierce's Celden Medial Discovery. A certificate of guarantee from responsible business house warrants it to encli or euro, or money reforded.

Chronic Nanal Caintrin positively cured by ir. Sage's Remedy. 50 cents, by druggists.

The Dog Caught His Consumption.

J. S. Manly is a new-comer at Flint, Mich., and the following story is told of him: A year ago Manly, then a resident of St. Loois, was dying of consumption. One day the family dog, a valuable grey-hound, made his way to the sick man's bed and licked his face and hands. Manly was too weak to drive him off, and its mighty lucky that he was, for contrary to the predictions of the doc-tors, Manly began to improve. The poor dog, however, had absorbed the disease, and the animal is now in the last stages of consumption, while Manly is as well nd strong as he was in early manhood. Photographs of the dog before and after taking the consumption would add to the vividness of the story, but Manly vouches for it word for word .- Macon News.

wife for several years had been valid and dowly grew worse. I tried doctors, but their skill failed. A neighbor recommended by Buil's Sarsaparilla and her health tegan to mend at once, She weigas fifteen pounds more dan she did four months ago, and feels quite strong and well.—G. W. Strain, Canlon. O.

An improved white lead process has been originated by a Glasgow inventor. It consists of a simply constructed furnace which distils the lead ore at the rate of about two tons daily per furnace, the final oxidation and conversion into white lead taking place in an outer chamber, while the distilled white lead is collected in a condenser and then washed and dried for use.

Wasting away, growing thinner every day. Poor child, You need Dr. Bull's Worm Destrovers and you would soon grow fat and hearty. Mamina, get her some.

STATE OF OHIO, CITY OF TOLEDO, 188.

STATE OF ORIGO, CRIV OF TOLEDO, 188.

FGASK J. CHENEV makes outh that he is the senior partner of the firm of F. J. JUENEY & Co., doing business in the City of Toledo, County and State aforesaid, and that said firm will pay the sum of ONE HUNDRED DOLLARS for each and every case of Catarrh that cannot be cured by the use of HALL'S CATARRH CURE.

Sworn to before me and subscribed in Typresence, this fith day of Lecember, A. D., 1883.

A. W. GLEASON.

Hall'S Catarrh Cure is taken internally and acts directly upon the blood and mucous surfaces of the system. Send for testimonials, free.

F. J. CHENEY & Co., Toledo, O.

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Progress.

It is very important in this age of vast matedal progress that a remedy be pleasing to the ta-te and to the eye, easily taken, acceptable to the stomach and healthy in its nature and effects. Possessing these qualities, Syrup of Figs is the one perfect laxative and most gentie diuretie known.

A pocket mirror free to smokers of "Tan-sill's Punch" 5c, Cigar,

Watch for Murray Buggy Co , adv., next

Now is the Time

To purify your blood and fortify your system. At no other season is the bluer taste in the mouth more prominent, the breath so offensive, the drowsy dixmess of requent, or that extreme time feeting so prevalent. Hood's Sarsaparilla is just the medicine to build up the system, purify the blood, care billiousness and headache, oversome that tired feeting and create a good appetite. The peculiar medicinal merit of flood's Sarsaparilla is just the medicinal merit of flood's Sarsaparilla is good appetite. The peculiar medicinal merit of flood's Sarsaparilla is good appetite. The shown by the many remarkable cures it accomplishes where others fail.

Hood's Sarsaparilla

"I wish to certain a spring medicine my wife and I think very highly of Hood's Sarsaparilla. We both took it last spring. It did do a great deal of good and we felt better through the hor weather than ever before, it cured my wife of sick headache from which she has suffered a great deal, and relieved me of a dusty three feeling. I think every level me of the early spring, when I an troubled with disable me of the early spring, when I an troubled with disable me of the early spring, when I an troubled with disable me of the early spring, when I an troubled with disable me of the early spring, when I an troubled with disable me of the early spring, when I an troubled from the use of Hood's Saras dusty and the early spring, when I an troubled with disable me of the early spring, when I an troubled from the early spring, when I an troubled in the early spring,

The Spring **Medicine**

Hood's Sarsaparilla

100 Doses One Dollar

100 Doses One Dollar

3 Some

Growing Too Fast

Children

become listless, fretful, without energy, thin and weak. But you can forgy, thin and weak.

OF PURE COD LIVER OIL AND HYPOPHOSPHITES Of Lime and Soda.

They will take it readily, for it is almost as palchable as milk. And it should be remembered that AS A PREVENTIVE OR CUEB OF COUGHS OR COLDS. IN BOTH THE OLD AND YOUNG, IT IS UNEQUALLED. Avoid substitutions offered.

What is Carolineum Avenarius? [Registered.]

Stane, applied with an ordinary wish. The Suntactive to presente any kind of wood, above or under the grounds water, for at least fifteen years, and keep off all mids of insects. It is used by the U. S., and almost all Foreign Governments, Telegraph, Telephone, Railroad, and other large Corporations, as well as all Real Estate Owners, where it is kept for sale. For futher information and circulars please address or call on GERHARD HARDWARE CO., Southern Importing Agents, Austin, Texas, MERCHANTS WANTED AS AGENTS.







MABEL'S GRANDMA.

"The world is even as we take it, And life, dear child, is what we make it."

And lie, dear child, is what we make it."

This is sense, even if it is not Shakespearean. Indeed, it is the opening stanza of an anonymous poem. It was the sentiment of an old lady to her grandchild Mabel. And many a Mabel has found it to be true, and she has made her life a very happy one because she has taken care of her health. She keeps on kand a supply of Dr. Pierce's Favorite Prescription, and so is not troubled with those wasting diseases, weatnesses, "dragging-down" sensations and functional irregularities that so many women endure. It is the only medicine for women, sold by druggists, under a positive guarantee from the manufacturers, that it will give satisfaction in every case, or money will be refunded. This guarantee has been printed on the bottle-wrappers, and faithfully carried out for many years.

"Favorite Prescription" is a legitimate medicine, not a beverage. Contains no alcohol to inebriate: no syrup or sugar to derange digestion. As peculiar in its remedial results as in its composition.

As a powerful, invigorating tonic, it

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Purely Vegetable and Perfectly Harmless.

Unequaled as a Liver Pill. Smallest, Cheapest, Easiest to Take. One Tiny, Sugar-coated Pellet a Dosc. Cures Sick Headache, Bilious Headache, Constipation, Indigestion, Bilious Attacks, and all derangements of the stomach and bowels. 25 cents, by druggists.

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are the Months when the Blood should be renovated

Ayer's Sarsaparilla and

the System fortified for the change of Seasons. Prepared by

Dr. J. C. Ayer & Co., Lowell, Mass.



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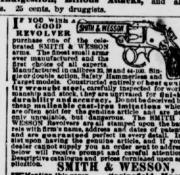
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