

SCIENCE

CURIOS HABITS OF ANTS.

The Queen, a Prisoner in State-Slaveholding Ants—The Ant Cow.



SLAVES IN ATTENDANCE ON THE QUEEN. The peculiar habit of some ants is their disposition to furnish their own habitation with slaves at the expense of neighboring communities.



ANT MILKING AN ANT COW. They go on it for food supplies for itself and young. The liquid sometimes flows spontaneously from the cow, but the ant can obtain it whenever needed by a process of milking.

Bodies at the Bottom of the Sea. There is a common notion that a human body or even a ship will not sink to the bottom of the profounder abysses of the ocean.

The Finest Mother of Pearl. The most beautiful mother of pearl, unless that of the obalone be excepted, is obtained, according to The Manufacturers' Gazette, from the nautilus, which is a cephalopod and related to the cuttlefish.

The Brutal Dove. Naturalists are aware of the sentimental error which craves for the dove and have often remarked its ferocity, according to a correspondent of Science, who supports this idea by the following evidence.

Task Wood for Shipbuilding. Task wood is known to be undoubtedly superior to all other woods for shipbuilding purposes. The Industrial World tells that this superiority is due to the fact that task wood contains an essential oil which prevents spikes and nails driven into it from rusting.

To Restore Old Oak. To revive old oak furniture first wash it with warm water and a little soap, to get rid of dirt and turpentine, and with a green alkali well saturated with water, heart and long. It will take a long time to do, but with plenty of "alkali" the articles will be returned to their original state.

THE HOUSEHOLD

CANNING FOOD.

The Preservation of Small Fruits, Vegetables and Meats.

It is well known that the destruction of germs and the exclusion of air are equal to the preservation of food by the process of canning.

Peeling Tomatoes. The skin of the tomato is very tough and disagreeable, and its presence in a tomato salad is a decided drawback to that dainty dish.

Care of Carvers. Fine carvers should be treated with the same respect as fine razors. They should be laid always by themselves.

For Polishing Floors. For polishing floors The Industrial World recommends to throw permanganate of potash crystals into a pail of boiling water.

Corn Fritters. Remove the corn from the cob. Use a sharp knife, and shave off the tops of the kernels. Scrape off what remains, using the back of the knife for this purpose.

Compote of Peaches. Peaches or apricots are peeled, cut in half and the stones being removed put into the pan with a little white wine and sugar.

Spiced Grapes. Stem and wash wild grapes and boil till soft, then pass through a coarse sieve, says California Fruit Grower. To every ten pounds of pulp add half as much sugar.

At Pottery, Bricks, Etc. Gilt tracery is found on nearly all glass. There are rainbow lined glasses, vases and dishes of every sort.

FASHIONS

TRAVELING DRESS.

A Sensible Traveling Costume—A "Smart" One Illustrated and Described.

A sensible traveling dress is neat and simple in style with an easy fitting bodice, and is made of soft woolen material that does not show the dust—gray and fawn are, perhaps, the best two shades.



TRAVELING COSTUME.

The gown shown in the right hand sketch, however, is of neither color, but is made of one of the new spotted serges. It has a trim, loose fitting jacket and a check linen waistcoat, fastened with pearl buttons.

In new stuffs for tailor made traveling and sporting dresses tartans, shepherd's plaids, diagonal herring with colored spots and all kinds of rough surface materials are expected to be fashionable.

New Autumn Hats. A hat suggestive in its bloomless condition of the autumn is depicted in the cut. It has a Tam o' Shanter crown of deep yellow velvet, and a round, slightly turned up brim of black straw.



A DEMISEAU HAT.

Another hat—and one that could not fail to be becoming to any woman, be she ever so difficult to suit—is of tan brown straw, turned up at each side, lined with coarse white lace, and caught at the back with small pink rosettes.

Incoming Styles. There is a tendency to exaggerate the width of the shoulders, and most of the new coats are being made with short triple cape.

Waistcoat Plaids. The newest are simply brought up in a point between the shoulders and not caught down at the waist, so that the figure is seen. Others, again, have this same point of material secured between the apparent flashings of a seronita jacket.

Best Bows. Bust bows are introduced in both morning and evening dresses. They are about six inches long, according to the figure, and three to four deep.

GOOD HEALTH

EQUIPOISE OF THE BODY.

Exercises That Lengthen the Body and Improve the Shape of the Waist.

There are very few mature bodies which have not some slight deformity, yet most of such irregularities may be remedied if not removed by the persistent use of the right kind of exercises.

Two extremes are noticeable in the movements of the American people. Their manner of motion is most inclined to be "jerky" and spasmodic, showing an inability to control the nervous and muscular force.

The other extreme is noticed less frequently in the languid and devalitized movements of some people. This loss of nervous force comes from some form of illness or is the result of heredity.



ELONGATING EXERCISES.

No. 1 shows what is called an elongating exercise, and this is the forward position, taken in this manner: Raise the right arm and left leg in such a way that a diagonal line starting from the wrist, passing through the center of the body, would end in the toe of the opposite foot.

In No. 2 the left leg is thrown out forward diagonally and with force, while the right arm is thrown back, with the palm held up. Both of the exercises must be taken very moderately, without any "jerky" movements.

ETIQUETTE

PRACTICAL NOTES.

Useful Information on a Variety of Everyday Matters.

From Harper's Bazar are gleaned the following helpful hints: Teach your little girls to courtesy when they are presented to an older person.

Send your acceptance to the lady to whom you are invited for the invitation. If you are in mourning, your accepted cards explain your regret sufficiently.

Send a note of congratulation to your friend on receiving cards announcing her marriage.

The groom at a quiet home wedding should wear gloves matching those worn by the bride, either gray or tan, at best suits her traveling dress.

Dr. or Doctor, is better for a calling card than the more professional M. D. When a man leaves cards for himself and wife, he leaves separate cards, all calling upon a man, and wife he leaves to his own and one of his wife's. The Mr. and Mrs. card is of little use now, except to send with a wedding gift or something of that sort.

OUR YOUNG FOLKS

NAPLES.

A City Noted for Its Picturesque and Interesting Surroundings.

Naples, as older readers may know, is a famous city of southern Italy and capital of the Kingdom of Naples.



FISHER BOY OF NAPLES.

The surroundings of Naples are not only noted for their beauty of scenery, but are highly interesting. They contain the tomb of Virgil, the ruins of the temple of Hercules, and the Roman remains of temples, palaces and tombs.

The beauty of the Bay of Naples has long been famous. This bay is about twenty miles across. A striking feature of Naples is its singular population and the population of which life is passed.

Not the least picturesque in this throng are the hardy and industrious fishermen who live on the rocky shores of the bay. The children of the fisher folk are set early to work. They need and wear little clothing, for the weather is generally warm.

What the School Bell Says. It is wonderful what unlike things the school bell says to the boys when it rings!

Why did I come? Study till four—Books are a bore! Oh, how I wish I could run off and fish!

When the boy who loves to be faithful and true, Who does what his parents think best he should do.

Oh, how I wish I could run off and fish! Seal! There's the brook, Here's line and hook. What's that you say? Oh—huh—ho!

When the boy who loves to be faithful and true, Who does what his parents think best he should do.

Which do you think was the truer song? Which do you hear as you're trudging along? Don't be a laggard—far better, I say, To work when you work, and play when you play!

Audubon's Tame Turkey. Audubon, the great naturalist, succeeded in rearing a wild-turkey that became very tame. Still love of freedom was inborn, and it had to be allowed to roam at its own sweet will in the woods near its owner's house.

Where Will They Turn Up Next? "There!" said grandpa at last, "Tearing up some letters fast—They have run you all quite through. This is what becomes of you!"



A JACK-IN-THE-BOX.

A JACK-IN-THE-BOX. To the basket then stepped he, Oh, so neat and orderly; He sat to read the lid, when "Pop" up sprang doll and "No know."

TECHNICAL SHOP

CONCERNING SUPERSTITIONS.

Walter Besant's Notes on a Few Connected with Birds and Sailors.

Of superstitions there is no end. Here, however, I have noted a few connections of the birds with the sailors, and partly at the base, partly on the slopes of two crescent shaped acclivities on the beautiful bay of the same name.

The kite, on the other hand, thinks it lucky to see a sailor, but a raven would fly a dozen miles to escape seeing a sailor, and a crow crossing the sea is supposed to get into a stormy petrel, and would have a very good time indeed if there were any raven about.

Beauty Among American Indians. Science has directed attention to the power of beauty in developing the race to a certain standard of physical perfection, and it notes some interesting facts presented by Dr. E. W. Shufeldt in a pamphlet on Indian types of beauty.

While in all stages of civilization there are false and abnormal standards of the beautiful—notably so among ourselves—there is also a gradual and certain tendency toward that ideal of physical form which the keen artistic sense of the ancient Greeks recognized as the perfection of corporeal symmetry.

The Menu of Leo XIII. In a chatty article in The North American Review, by Signor Giovanni Amadi, we are told that Leo XIII dines at 1 o'clock in the old Roman style.

Highest Mountain Railway of the World. The new mountain railway from Brenns to the summit of the Brenner-Rothhorn, which is now open to tourists, is not only the highest in Europe, but the highest in the world.

Strange Effect of Diving. One of the strange effects of diving, as recounted by an Australian pearl diver, is the invariable fast temper felt while working at the bottom of the sea.

A Gigantic White Oak Tree. One of the largest pieces of white oak probably that was ever sawed to order, was shipped to New York, is stated by The Recorder to have been 80 inches square and 50 feet long.

Scientific American Agency for PATENTS.

Scientific American Largest circulation of any scientific paper in the world. Splendidly illustrated. Not insignificant part of \$120 per year. Advance \$10 per copy.

WE PREACH YOU FRANKLY.

PILES.

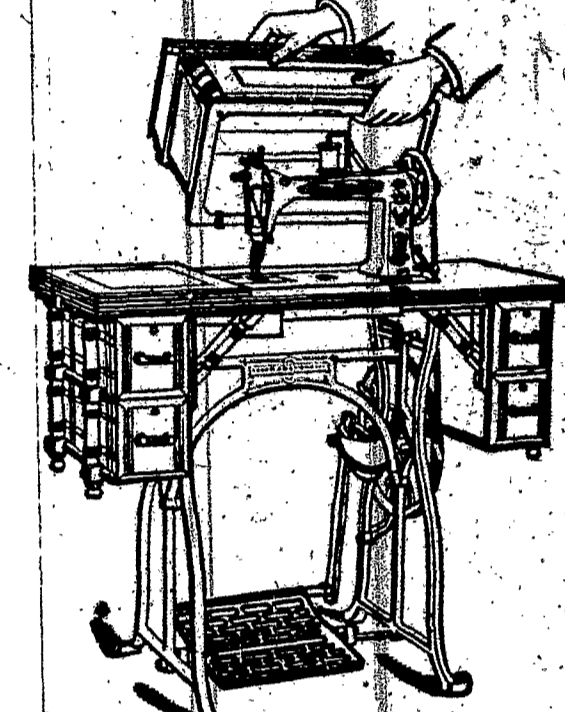
PILES. "ANATOMY" gives the name of the disease, and the name of the doctor who has cured it. It is a book of 100 pages, and is the best book on the subject. It is published by the Scientific American Agency for Patents.

KOENIG'S NERVE TONIC

Used with Satisfactory Results. Pastor Koening's Nerve Tonic has been used for the past 12 years with satisfactory results by our Sisters troubled with nervous prostration.

KOENIG MED. CO., Chicago, Ill. Sold by Druggists at \$1 per Bottle. 60c per Large Size. \$1.75. 6 Bottles for \$9.

WHEELER & WILSON'S NEW HIGH-ARM SEWING MACHINE



THE ONLY PERFECT SEWING MECHANISM FOR FAMILY USE. WHEELER & WILSON MFG. CO. 10 Exchange St., Rochester, N. Y. Jas. M. Harrison, Gen. Agent.

Neuro-Kon

New and Wonderful Cure for NEURALGIA!

This medicine is warranted to cure or money refunded. It is for NEURALGIA only. One bottle enough for the most obstinate case. Price One Dollar.

Scientific American Agency for PATENTS.

Scientific American Largest circulation of any scientific paper in the world. Splendidly illustrated. Not insignificant part of \$120 per year. Advance \$10 per copy.

WE PREACH YOU FRANKLY.

PILES.

PILES. "ANATOMY" gives the name of the disease, and the name of the doctor who has cured it. It is a book of 100 pages, and is the best book on the subject. It is published by the Scientific American Agency for Patents.