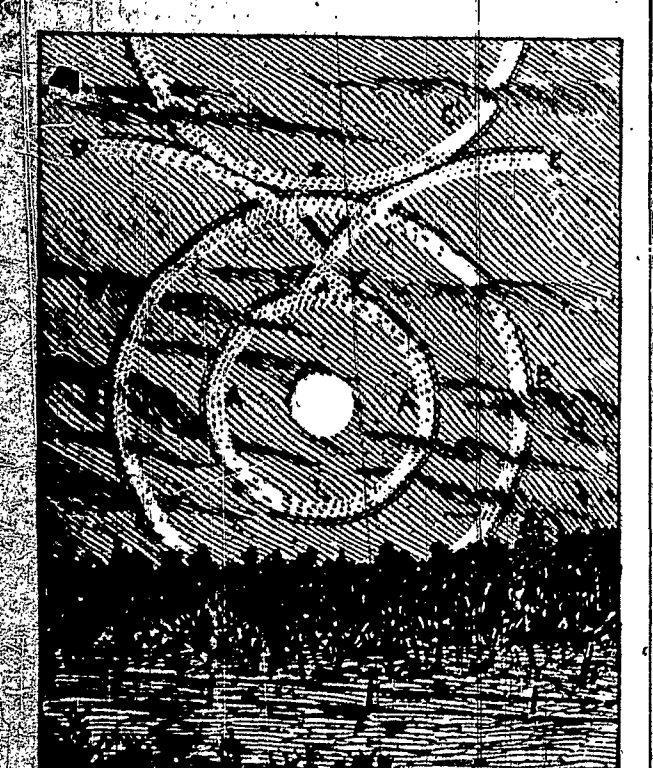


Science and Progress. SOLAR AND LUNAR HALOS. An Unusually Large and Beautiful Solar Halo Observed in Switzerland.



A REMARKABLE SOLAR HALO. Halo (B) appeared, followed by an arc of a circle tangent to it (C), and following this two smaller arcs (D and E).

Popular Science News, to which we are indebted for the foregoing, says that although solar and lunar halos are not uncommon they are rarely seen as perfect as the one here described.

Remarkable Reproduction. A correspondent of Science, who has been investigating the natural history of the small, states the following: Age at which reproduction begins, five months.

Frequency of broods, one in about two and seven-tenth days. Number in each brood, thirty average. Reproductive period, four months, March to July.

A New Safety Device for Elevators. The frequency of elevator accidents due to the doors having been left open has led an ingenious New York man to devise an electrical apparatus by which it is impossible for the elevator to move until all the entrances to the shaft are closed.

Scientific Brevities. A steam bicycle is the interesting invention of a Georgia genius. The boiler is run with gasoline for fuel.

A new chemical element, which its discoverer has named "Mastim," from the Arabic name for Egypt, is exciting attention. It has been found in a new substance discovered in 1890 by Johnson Pasha in the bed of an old river in upper Egypt.

Electricity is now utilized in a new method for testing the atmosphere of cities employed in Germany.

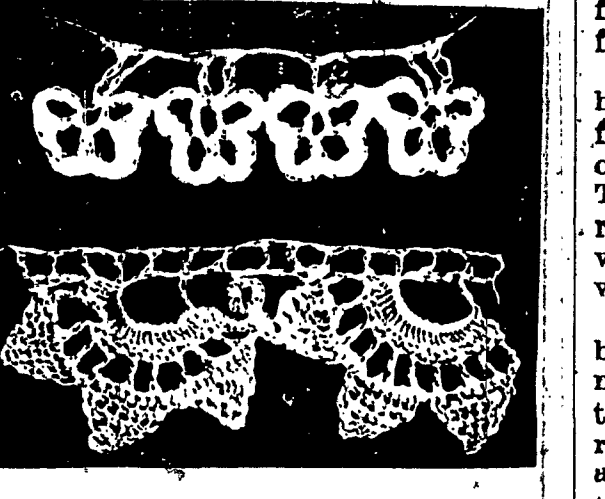
THE HOUSEHOLD. CANNING FRUITS. Miss Maria Parlow's Directions for Securing Best Results by This Method.

First, the fruit must be sound; next, every utensil used must be clean; again, the cans must be airtight; finally, the cans and fruit must be made free from germs and air before sealing, and the canned fruit be kept in a dark, cool, dry place.

For fruit like peaches, pears, plums, etc., make a light sirup. Quinces must first be cooked in clear water until tender.

To fill the jars, have on the stove two pans partially filled with water. Let the water in one be boiling but in the other not so hot that the hand cannot be held in with comfort.

New Designs for Handmade Laces. Good Housekeeping illustrates and furnishes directions for making the following useful crochet edges:



BUTTERFLY LACE AND POINT LACE. Single crochet, nine afghan stitches, then seven, then five, then three, and finally one loop on the needle.

Butterfly lace is simple and very pretty for the baby's clothes. It should be made from No. 36 thread and with rather fine hook.

Current Hummery. To the juice of two quarts of mashed and strained currants add one pint of granulated sugar. Out of this take one pint to pour upon one pint of rice, which must be blended till it is smooth.

To Try the Oven's Heat. A French authority on cooking gives these rules for testing the heat of an oven: Try it with a piece of white paper.

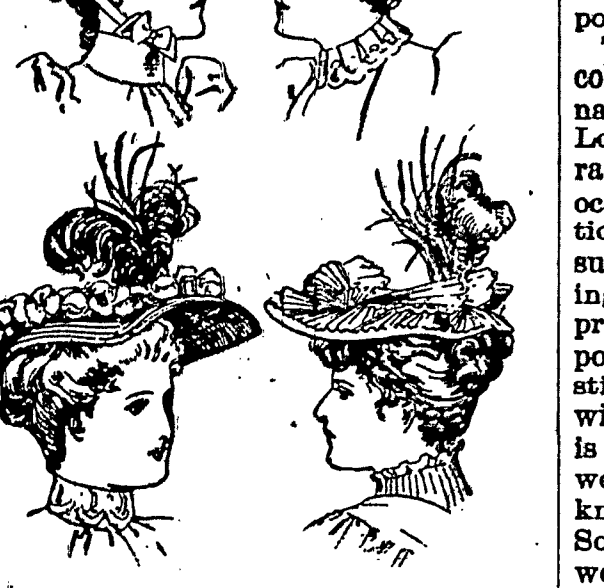
Wash the Teapots. Teapots may be thoroughly washed with strong soda and water; rinse well and dry them perfectly, leaving them open for a time to air.

Bring a quart of milk to the boiling, season and add two eggs well beaten. Boil one minute and pour over six slices of buttered toast.

More people were executed in England during the reign of King Henry VIII than ever before or since in the tight little island, the number reaching 72,000.

FASHIONS. MODES IN MILLINERY. Handsome Imported Bonnet and Hat Illustrated and Described.

Rice straw is very popular and black and white is a combination as much in favor in millinery as in gowns.



STYLISH BONNET AND HATS. The imported bonnet here illustrated consists of bands of steel sequins, with tufts of white tulle; the trimming is in white osprey and the fashionable Mephisto ornament in steel.

Hints for Outing Costumes. The following timely and useful items are gleaned from Harper's Bazar:

Do not swallow milk fast and in such big gulps. Ask a physician directed, "chew it" in short, slow sips.

Immunity from Diseases. Medical authorities state that the Japanese are not liable to scarlet fever, and the negroes are equally exempt from yellow fever.

Stylish for Small Boys. Masculine attire is at present adopted by the grown up girl only, and small boys have distinct styles of their own.

Little Boys' Costumes. Velvet and plush are favorite materials for dressy wear, and the middle figure of the cent illustrates a smart and becoming suit in black velvet.

Bibs and Tuckers. Bibs and tuckers are the rage again, and if you want to appear fashionable you will certainly wear a bib with your best frock.

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GOOD HEALTH. POISONOUS STINGS AND BITES. What to Do When Stung by Wasps or Bees or Bitten by Poisonous Serpents.

Stings of insects sometimes cause troublesome local inflammations, and when a large extent of surface is stung—as by a swarm of bees—there may be symptoms of severe depression.

The bite is always attended with much collapse—manifested by faintness, tremor, nausea or vomiting, and sometimes stupor. Locally, there is great pain in the part, rapid swelling, redness, discoloration and occasionally inflammation and suppuration.

Ice Cream for Stomach Troubles. The value of ice cream as a remedy for certain intestinal troubles is being considerably advanced.

Drinking Milk. Do not swallow milk fast and in such big gulps. Ask a physician directed, "chew it" in short, slow sips.

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CURY YOUR YOUNG FOLKS. A YOUTHFUL BEEKEEPER. How a California Lad Became the Owner of a Rousing Colony of Bees.

Here is a story that is told by that veteran beekeeper, Mr. I. A. Root, in Gleamings in Bee Culture.



BRINGING HOME THE BEES IN HIS TROUSERS. ever, objected to purchasing a colony, saying they would find plenty of stray swarms at the proper season.

At length a swarm came one day when he was at work in the fields, quite a way from home.

By the way, boys, is there any truer or kinder friend to a lad of thirteen than his mother? After the bees were hived, the mother looked after the boy.

A Beloved Prince. Many stories are related of the Emperor Frederick of Germany, known to the people while he was crown prince as "Unger Fritz" or "Our Fritz," which show why he was so loved by his subjects.

Summer Showers. Four loving playmates stood by a wall; Fear came the rain with a sharp, quick fall. "Let it drizzle you," it said, "if I can."

DOWN CAME THE RAIN WITH A SHARP, QUICK FALL. Said Charlie: "I hate these sudden showers. I'm sure they'll only spoil my flowers."

Said Eric: "The rain doesn't do us good; The sun brings the flowers and corn to food."

Said Eric: "The rain doesn't do us good; The sun brings the flowers and corn to food. Mother told me, so that is right; And I love the sun and the sky quite blue."

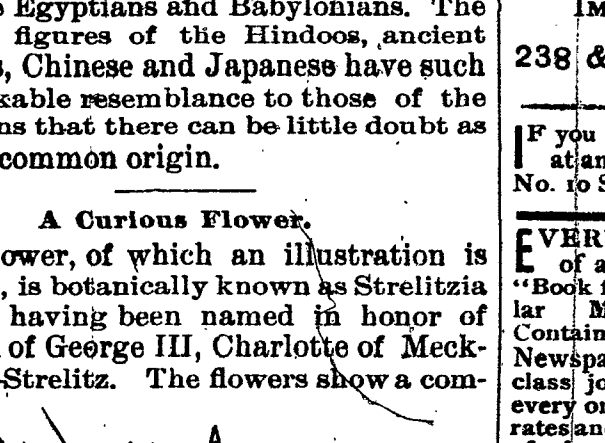
The word coetermonger was originally coined; that is, apple seller. Their penny manners were commented upon in Queen Elizabeth's day.

THE ZODIAC. The Signs and Their Relations to Astronomical and Astrological Calculations.

Zodiac is the name given by the ancients to an imaginary band extending around the celestial sphere, having as its medial line the ecliptic or apparent path of the sun.

The early astronomers were astrologers, and claimed to be able to predict the careers of individuals and nations by observing the positions and movements of the planets and the condition of the weather at the most important periods of men's lives.

A Curious Flower. This flower, of which an illustration is appended, is botanically known as Strelitzia Regina, having been named in honor of the wife of George III, Charlotte of Mecklenburg-Strelitz.



BIRD OF PARADISE FLOWERS. A combination of orange and purple in their coloring, are large, abundantly produced, and bear a fancied resemblance to a bird of bright plumage.

Marie de Medicis as a Book Collector. The second wife of Henry IV, Marie de Medicis, who was born at Florence in 1573, and who died in 1642, was, notwithstanding Michellet's sneer at her as "une grande grosse femme," a genuine book collector.

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