

# PUMPS

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### DETECTOR OF BAD FOOD.

Work of the Microscopic Bureau of Secretary Wilson's Department.

For the purpose of insuring pure food for the people of this country Secretary Wilson has established a microscopic laboratory in connection with the chemical division of the department of agriculture. Already it has been demonstrated that unscrupulous dealers are palming off artificial coffee and other impure food on the public. The supposed coffee berries were regularly shaped and colored, but were composed of chicory, starch and other ingredients and when ground presented about the usual appearance of coffee.

Cocoa has come in for some curious results under the microscope, and, in fact, there is now no branch of the department of agriculture where this instrument does not play an important part. A large photo microscopic camera occupies one side of a large room and is so arranged that foods under inspection may be photographed and the picture thrown upon a screen in the natural colors, a thing of inestimable value to students of grain and vegetable disease.

A microtone for cutting up articles for investigation, such as fruit, vegetables and grain, to the two-hundred-and-twenty-five-thousandth part of an inch, is one of the new equipments. Arrangements are made for photographing these minute wafers while under the microscope, and from the enlarged sections are made transparencies for throwing upon the screen.

A test was made recently of spruce and linen pulp for the manufacture of paper in this country, and it was found the manufacturers were being imposed upon by the importers, and through the determination of the microscopist thousands of dollars were saved. In importing sumac into this country fraud was constantly practiced on dealers and manufacturers. This was stopped through this department. This apparatus is also used for getting at the disease of wheat and other grain and also the adaptability of certain varieties of wheat to different climates, besides ascertaining the amount of starch and other nutritive qualities developed under certain soil and climatic conditions.

### Sunstroke and Heat Prostration.

When one is prostrated by heat it is important to determine at once whether it is a case of heat exhaustion or sunstroke, for the proper treatment in one is disastrous in the other. In heat exhaustion the temperature is lower than in health, skin cool, consciousness rarely is lost, pulse fast and feeble, and the afflicted one has usually been complaining of heat symptoms. In sunstroke there is instantly high fever above 103 degrees, the skin is hot and red, consciousness is lost, breathing noisy, convulsions are common, pulse rapid, feeble or bounding, and the attack has come like a blow. The treatment for heat exhaustion: Place the head lower than the body, protect from drafts, apply hot water bottles to all parts of the body except the back of the neck and give whisky or aromatic spirits of ammonia. In sunstroke place the man stripped in a cool place and in as strong a draft as is possible, rub with ice, dash cold water over the entire body, fan vigorously and wrap in a cool sheet. Don't try to use stimulants. The doctor when he arrives will administer them hypodermically after the fever falls.

### A Mint For Menelik.

Menelik of Abyssinia is getting along in the world. First he thrashed the Mahdists. Then he drove the Italians out of his kingdom. Then he welcomed the diplomats of European nations, playing one against another.

Now he is to have a mint. What an advance this means may be realized from the fact that Abyssinia until recently has been getting along with cubes of rock salt for cash. A small amount of coin minted in France has of late been in circulation. Now the king will make his own. Consul Masterson of Aden reports that he has saved up 110,220 pounds of gold for the purpose.

There are 400 tons of mint machinery. It was sold by a Stettin concern and was landed at Djibouti, East Africa, with a competent mechanic to set it up. The machinery will be transported by rail to New Harrar, about 150 miles, the end of the road. Thence it will be transported by caravan to the capital, Addis Ababa, the caravan journey occupying more than a month.

### Too Much Publicity.

They have a weighing machine with photographic and megaphonic attachments at a New Jersey resort where you drop a penny in the slot and presently hear your weight announced in tones of startling volume. This is a somewhat unpleasant surprise for the fat people and not especially pleasant for the very lean. When the large and evidently strong minded woman drags her little husband to the scales and then steps on the platform with a firmness of tread that makes the apparatus jingle she is not at all pleased when the megaphone roars forth, "Two hundred and thirty-three." Nor is she any more delighted when the wisecracking husband is greeted in stentorian tones, "Ninety-seven." But it is loads of fun for the lookers on.

### Bees as Messengers.

A French apiculturist has discovered that bees can be trained as messengers. Some of these winged letter carriers, with tiny scrolls of closely written paper tied to their bodies by means of a fine wire, have been known to travel a distance of four miles or more in twenty minutes. They have, it seems, an unerring instinct for their hives and can find them in any sort of weather, even when carried to a distance in tightly closed boxes.

## A Slaughter in Men's Clothing

100 Suits Clothing, broken lines, prices from \$5.00 to \$14.50, 33 1-3 to 50 p. c. off to clear.

35 Men's Odd Coats at half price.

A lot of Men's Odd Vests, at your own price.

300 pairs Men's Odd Pants, 1-3 off price.

A lot Boys' Suits at half price.

Come soon and get your size.

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