

# • New Machines and Gadgets •

⚙️ **BRUSH** without bristles, recently patented, for use as a cloth or scrubbing brush, has a series of spirally-rolled pieces of rubber in place of the usual bundles of bristles.

*Science News Letter, November 3, 1945*

⚙️ **BATTLESHIP TOY** has a deck crowded with toy soldiers, guns and other shiplike articles that are scattered widely when a spring of a mousetrap-type hits the under side of the deck. The spring is released only if a small bomb, dropped by hand, hits the broadened top of a pin that extends through the deck.

*Science News Letter, November 3, 1945*

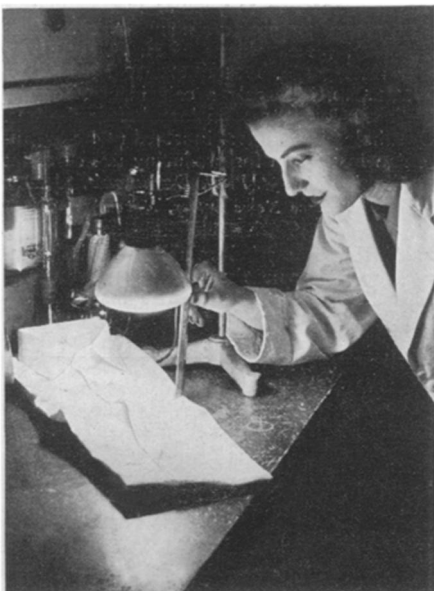
⚙️ **COMBINATION** goggles and eye-shades are made of flexible tinted plastic material. The transparent protective goggles fit over the eyes, extending down each side of the nose and back over the temples. The semi-transparent eyeshade is hinged to the goggles.

*Science News Letter, November 3, 1945*

⚙️ **PRUNING TOOL**, operated hydraulically, has a fixed blade, and a movable blade operated by fluid pressure. Flexible hose connects the pruning head with a pressure tank carried by the operator, the pressure being by foot-action.

*Science News Letter, November 3, 1945*

⚙️ **SCORCH** from a flatiron can be removed from shirts and dresses in only 10



minutes with a special lamp that radiates long-wave ultraviolet rays instead of using sunlight, which requires many hours of exposure. The scorched area of the shirt shown in the picture is dampened slightly before the ultraviolet rays are applied.

*Science News Letter, November 3, 1945*

⚙️ **TO CONVERT** alternating to direct current for battery charging and many other purposes, selenium rectifiers are now made with aluminum in place of iron or similar metals to give light-

ness. A method of sealing the units hermetically permits their use in any climate.

*Science News Letter, November 3, 1945*

⚙️ **MECHANICAL LEVER**, a device using a pendulum free to swing in any direction instead of a liquid in a tube, is housed in a flat-bottomed box with a transparent hemisphere for a cover. Above the ball-suspension of the pendulum, an upward-extending pointer shows the levelness on the graduated cover.

*Science News Letter, November 3, 1945*

⚙️ **BURIAL URN**, to hold the ashes of a cremated body, is made of a ferrous sheet metal with a heavy coating of corrosion-resistant porcelain. The opening is in the center of its inverted cup-shaped base and can be properly sealed.

*Science News Letter, November 3, 1945*

If you want more information on the new things described here, send a three-cent stamp to SCIENCE NEWS LETTER, 1719 N St., N. W., Washington 6, D. C., and ask for Gadget Bulletin 288.

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## Question Box

### AERONAUTICS

What transport is capable of cruising speeds of 250 miles an hour? p. 281.

### BOTANY

How badly were the botanical collections in Java damaged by the Japs? p. 280.

### CHEMISTRY

How is the war-developed shark-repellent helping fishermen? p. 277.

What action other than germ-killing does penicillin possess? p. 280.

### ELECTRONICS

What is the power of the X-rays given off by the new betatron? p. 278.

### ENGINEERING

How long does war-made barbed wire last? p. 281.

Where published sources are used they are cited.

### MARINE BIOLOGY

How good is DDT for all ship-fouling organisms? p. 268.

### MEDICINE

What is the new anemia remedy? p. 279.  
What is the new athlete's foot remedy? p. 274.

### PHYSICS

What is the only way we can derive peaceful applications from atomic energy? p. 274.

### PUBLIC HEALTH

What city is staging a volunteer health campaign? p. 286.

### RADIO

What is "loran"? p. 275.

### ZOOLOGY

How fast can a kangaroo hop? p. 280.