

# • New Machines and Gadgets •

⚙️ **MONEY-CHANGER**, a self-service machine to get nickels for quarters and dimes to use in telephones and other slot machines, will be manufactured after the war. By a simple adjustment, street car and other tokens can be dispensed by it.

Science News Letter, June 2, 1945

⚙️ **BREAST-PLATE** black-out lantern, when worn on the front of the body, casts a light downward toward the feet. It is a flashlight device with reflectors to direct the light to assist in reading messages or in walking, with no rays escaping upward or to the front.

Science News Letter, June 2, 1945

⚙️ **OFFICE CABINET** and drinking cup dispenser has several compartments for towels and lavatory equipment, and a separate compartment on one side to hold paper drinking cups. They are released one at a time by an adjustable device on the bottom; by turning a screw, cups of different sizes may be used.

Science News Letter, June 2, 1945

⚙️ **ROOFING** shingles are now made of rectangular pieces with their lower half of uniform thickness and their upper half wedge-shaped. The base of the wedge is in the center of the shingle and about triple the thickness of the lower half. The interlocking of the shingles gives a better roof.

Science News Letter, June 2, 1945

⚙️ **PATCHING DEVICE**, shown in the



picture, is used to seal bullet and shell holes up to four inches in size in gasoline and water tanks. It consists of a rubber ring of spongy synthetic rubber and a spring clamp. Two metal fingers grip the inside of the tank and hold the patch tightly in position.

Science News Letter, June 2, 1945

⚙️ **FULLY LIGHTED** cigarettes are delivered one at a time from a new combination container and lighter. By a slight mechanical movement a cigarette is released to roll into a tray where one end

comes in contact with an electrically heated coil.

Science News Letter, June 2, 1945

⚙️ **OLD RAZOR BLADES** clip the lawn in a home-made machine constructed by an ingenious American. An old vacuum cleaner motor, mounted in a box-like structure, powers a rotor with arms to which the blades are attached. An electric cord delivers the current to the motor.

Science News Letter, June 2, 1945

⚙️ **POWER-OPERATED** toothbrush is attached to the end of a special handle in which, by means of gears, a rotary motion is changed to a back-and-forward motion. The rotary motion is delivered to the mechanism inside the handle by a flexible shaft from a small motor.

Science News Letter, June 2, 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 261.

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What device makes it possible to take photographs in three ten-thousandths of a second? p. 343.

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How may home canned fruits be kept from turning dark? p. 342.

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What was the cause of a recent epidemic of diaper rash? p. 339.

Where published sources are used they are cited.

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