

• New Machines and Gadgets •

If you want more information on the new things described here, send a three-cent stamp to SCIENCE NEWS LETTER, 1719 N St., Washington 6, D. C. and ask for Gadget Bulletin 397. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **SHOULDER REST** fits all hand-set type telephones and gives freedom to both hands for making notes or other work while using the phone. It is made of cast aluminum, and has rubber grips to keep it in place over the shoulder while holding the phone to the ear.

Science News Letter, January 17, 1948

⚙️ **CASTER WHEELS** and wheels for floor trucks are modeled of resin and maserated duck canvas and consequently, will not mar fine floors. The material is strong and durable, easy-rolling, resilient, and resistant to oil, mild acids and temperatures from zero to 200 degrees Fahrenheit.

Science News Letter, January 17, 1948

⚙️ **ELECTRIC EYE**, used in combination with a special light beam, is sensitive to a distance up to 1,000 feet and is not adversely affected by outside light, rain or snow. The beam of light used is interrupted 900 times a second; the photo-electric relay is responsive only to this frequency.

Science News Letter, January 17, 1948

⚙️ **AUTOMATIC SWITCH**, to cut the ignition of an automobile if it over- turns, consists of a small plastic bowl containing mercury in its bottom through which the electric current normally passes. When inverted, the mercury clears the electric terminals, thus breaking the current.

Science News Letter, January 17, 1948

⚙️ **FLOOR WAXER**, shown in the picture, has a four-foot handle about which is a transparent plastic cylinder that holds



a pint of liquid wax. A trigger on the upper end of the handle releases wax as needed to the polishing pad.

Science News Letter, January 17, 1948

⚙️ **BIRD FEEDER**, recently patented, is a covered glass box partly open on the front, with upright wood ends cut to fit securely on a window sill. Inside is at least one perch and one feeding trough.

Science News Letter, January 17, 1948

⚙️ **MULTIPLE-SHOT** blasting unit for coal mining, developed by the U. S. Bureau of Mines, is capable of firing 10 detonators connected in series with practically no danger of gas ignition. The four-volt cap-battery used by miners for illuminating purposes is a reliable source of energy for the unit.

Science News Letter, January 17, 1948

⚙️ **TWIN-CYLINDER ENGINES**, to power standard balloon-tire bicycles, are horizontally-opposed-design motors, each containing only five moving parts. Valves, tappets, connecting-rod bearings, and other sources of wear are eliminated.

Science News Letter, January 17, 1948

⚙️ **BOTTLE RESEALER** gives air-tight protection for carbonated beverages. The sealing device fits over the top of the partly emptied bottle; a quick turn of a hand screw on its top forces a rubber washer tight against its lip.

Science News Letter, January 17, 1948

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Things of science

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Question Box

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