

# • New Machines and Gadgets •

For sources of more information on new things described, send a self-addressed stamped envelope to SCIENCE NEWS LETTER, 1719 N St., N.W., Washington 6, D. C., and ask for Gadget Bulletin 750. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **SHOT SHELL** load now being introduced converts any soundly constructed 12-gauge shotgun into a Magnum duck gun. The shell contains 1.5 ounces of shot, or 20% more pellets, yet is loaded in the standard 2¾-inch case. The shell must not be used with obsolete arms with wire-twist or soft barrels designed to take old-fashioned powders.

Science News Letter, October 30, 1954

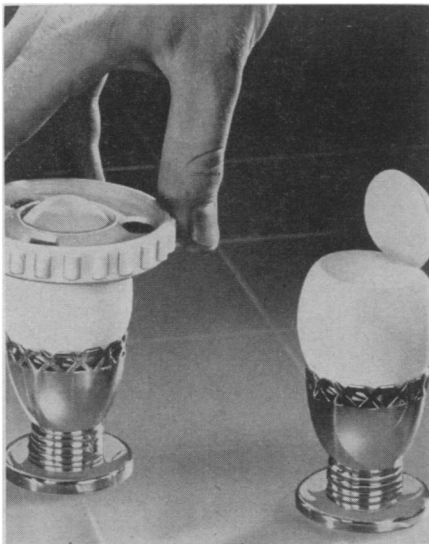
⚙️ **SMOOTH SHOWER** heads, made of a nylon resin, have no chemical affinity for "lime" particles in hard water. This helps prevent the head from becoming plugged. The size of the jets can be adjusted and the water can be shut off at the head. The device screws on standard shower piping outlets.

Science News Letter, October 30, 1954

⚙️ **PACKAGING TAPE** for food stores permits bananas, celery and lettuce heads to be bundled quickly for counter display. Made in red, green, blue or yellow in ¾- and ½-inch widths, the 60-yard rolls of paper tape can be marked on with pencil, pen or crayon. The tape can be used also to seal cellophane and plastic bags.

Science News Letter, October 30, 1954

⚙️ **EGGSHELL CUTTER**, shown in photograph, has three razor sharp wheels



which are said to score the shell without touching the contents. When held in an egg cup, the neatly opened egg can be eaten directly from its shell.

Science News Letter, October 30, 1954

⚙️ **PLASTIC AUTOBODY** repair booklet describing techniques for car-body repairing is now available to auto refinish shops. Tools

usually found in body shops can be used with the manufacturer's special "plastic patch" repair materials to yield a factory-finish repair job on plastic sports cars.

Science News Letter, October 30, 1954

⚙️ **NEW 35 mm film** for "candid" camera fans has a super-thin, fine-grained, black-and-white emulsion to yield greater detail. Available in three degrees of sensitivity from "slow" to "medium fast," the slowest film can resolve 140 lines per millimeter, and the fastest, 90 lines.

Science News Letter, October 30, 1954

⚙️ **SAFETY REAR-VIEW** mirror for cars "splits" light beams and reflects only certain colors and certain intensities in day or night driving. A "gear shift" on the device permits the driver to adjust the mirror according to the intensity of headlights glaring in it on the highway or in the city.

Science News Letter, October 30, 1954

⚙️ **PLASTIC BIB** with sleeves ties to the legs of a high chair or small feeding table and is designed to catch much of the mess that goes along with Junior's learning to feed himself. The bib extends "fore and aft" to give adequate protection to furniture involved.

Science News Letter, October 30, 1954

## THE CHEMISTRY WE USE

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Lesser-Known Elements We Study  
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10-30-4

## Do You Know?

The manufacture of one ton of rubber requires about 85,000 gallons of water.

If tulips are planted in well-prepared soil six to eight inches deep, they may be left undisturbed for two or three years.

Diamonds originate in "kimberlite pipes," vertical, funnel-shaped bodies of rock that once were deep within the earth's crust.

The way food is wrapped or packaged for freezing makes a great difference in how well it holds its quality.

Concrete blocks can now be had with a ceramic glaze in several colors burned on for both decorative and water-resisting properties.

A British firm now is marketing leather gloves illuminated by small red battery-powered bulbs to make night riding safer for cyclists.

Television may some day prove a valuable tool in conservation field work if early promises for a new method of forest fire detection are borne out.