

# • 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 700. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **CURTAIN WALL** panels made of cellular glass covered with porcelain enamel now are available. Designed for non-load-bearing walls, the panels combine good insulating qualities with attractiveness. Now being used in a Missouri grade school, the panels are lightweight, vermin-proof, long-lived, fireproof and dimensionally stable.

Science News Letter, November 14, 1953

⚙️ **LAPPING MACHINE** is said to produce close-tolerance finishes on metals, glass, quartz, plastic and other materials. The machine features a 24-inch diameter cast-iron lapping plate two inches thick, revolving on ball bearings at a working height of 38 inches.

Science News Letter, November 14, 1953

⚙️ **"CLIMATIC PAD"** is inserted under the pillowcase to warm up the cloth on nippy winter nights. An electric pump, placed on the floor, quietly circulates warm water through the plastic tubing of the pad in the winter or cool water in the summer.

Science News Letter, November 14, 1953

⚙️ **THERMOSTAT HAS** been redesigned to blend with household walls to present a



pleasing appearance. Semi-spherical in shape, the thermostat's outer shell can be painted or wallpapered to match the walls. The thermostat, shown in the photograph, is 3.5 inches in diameter.

Science News Letter, November 14, 1953

⚙️ **BABY DISH** set is made of a rugged cellulose acetate plastic. The cup has a round, weighted bottom which turns the cup upright if it is knocked over. The cup's lid, which has a sip-hole, cuts down spillage. The dish has a three-inch suction cup on its bottom to attach it firmly to the high chair tray.

Science News Letter, November 14, 1953

⚙️ **NEW "RUBBER adhesive"** is a black, fluid cement that "sticks rubber to anything," the maker reports. The cement is said to produce a strong, flexible, long-lasting bond, and is good for attaching rubber weather stripping to auto windshields and trunk lids, for re-securing rubber floor mats, stair treads, tile blocks and for mending rubber boots.

Science News Letter, November 14, 1953

⚙️ **RAIN SKIRT** wraps around milady's waist to ward off rain droplets that get past her umbrella. Useful while grooming pets, working in photographic darkrooms, or boating, the skirt is made of a transparent vinyl plastic film.

Science News Letter, November 14, 1953

⚙️ **SEALER FINISH** for knotty pine and other natural woods used in the home consists of synthetic plasticized resins mixed with a quick-drying gum base. Sprayed or brushed directly on the wood, the finish maintains surface protection for at least five years, the manufacturer reports.

Science News Letter, November 14, 1953

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## Do You Know?

At the speed of sound, a pilot would have to exert 5,700 pounds of pressure on a modern fighter's control stick to overcome airstream forces if the plane were not equipped with a hydraulic boost system.

Concrete building blocks must stand 900 pounds per square inch pressure; recent tests of a fly-ash block showed it could take 1,285 pounds.

About 1,800 different jobs are required to extract oil from the ground and get it to the consumer.

Cow's milk and human milk have equivalent caloric values, but cow's milk contains more protein and minerals.

Automobile accidents have injured 26 citizens for each American serviceman wounded in all the wars ever fought by the U. S.