

# • New Machines and Gadgets •

For sources of more information on new things described, send a self-addressed stamped envelope to SCIENCE SERVICE, 1719 N St., N.W., Washington 6, D. C., and ask for Gadget Bulletin 786. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **HEATING COIL** solves the office or vacation hot water problem by quickly producing hot or boiling water for baby's bottle, coffee or shaving. To heat water for coffee, the portable gadget is simply plugged into an AC or DC outlet and the heating coil placed in the cup of water.

Science News Letter, July 9, 1955

⚙️ **TEMPERATURE CONTROLS** for surface cooking are featured in a new line of built-in electric ranges. An element in the center of surface units contacts the bottom of the pan being heated and automatically maintains heat at temperatures of 145 to 425 degrees, as dialed by the cook.

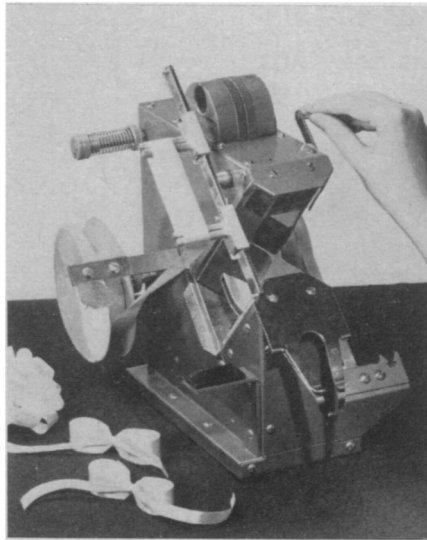
Science News Letter, July 9, 1955

⚙️ **PLASTIC CATCHES** for cabinet doors are noiseless and smooth in action. As the cabinet door is closed, a rounded screw fitted in the door slides into a plastic cup that grips it firmly by friction fit.

Science News Letter, July 9, 1955

⚙️ **NYLON INSERTS** in the heels of several new lines of shoes add to the life of the heel and help prevent "running-over." The inserts will not scratch floors, and are lighter and less expensive than cast iron heel protectors.

Science News Letter, July 9, 1955



⚙️ **BOW TYER**, shown in the photograph, turns out five gift-wrapping bows every two minutes, and can form hanks for over 100 bow variations. A turn of the gadget's handle forms a hank of ribbon that the operator puts through the notching mechanism and ties with a precut strip of narrower ribbon.

Science News Letter, July 9, 1955

⚙️ **FALSE TEETH** of vinyl resins just bounce back if accidentally dropped onto tile bathroom floor. Palate and teeth are molded as a single unit, eliminating joints which may be penetrated by dirt or moisture. Break-resistant and lightweight, the denture is available in several shades to closely match natural teeth.

Science News Letter, July 9, 1955

⚙️ **A-BOMB SHELTER**, big enough for a family of six, is made of lead-clad steel and is equipped with sanitary facilities, air filter, Geiger counter, radio and emergency oxygen. The shelter is installed underground and includes a periscope for viewing above ground. Electricity is supplied by batteries if lines connected to house power fail.

Science News Letter, July 9, 1955

⚙️ **CAST CUTTER** takes much of the pain out of the removal of plaster casts from healed fractures. Before applying the cast, two wires are placed on the splinted limb. To remove the cast, one end of the wire is attached to a hand tool which winds up the wire, thereby splitting the cast.

Science News Letter, July 9, 1955

## Do You Know?

Only insects cause greater damage to farm crops than fungi.

Protozoa and a number of similar *micro-organisms* require some of the vitamins necessary for humans.

There is one *vehicle* for every 700 feet of every lane in both directions of all streets and highways in the United States today.

Effective *termite* inspection without extensive damage to walls and flooring is promised by a new listening device.

Pituitary gland removal is a practical and effective treatment for temporary control of widespread breast *cancer*.

More than a million tons of *corncobs* were used last year in factory operations and industrial products.

A temperature between 68 and 72 degrees Fahrenheit is correct for the sleeping room of a *baby* between five and eight pounds.

To produce one carat of cut *diamond* from volcanic pipes requires the removal from great depths of a mass of blue ground 640,000,000 times the diamonds' weight.

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