

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

⚙️ **ELECTROSTATIC AIR** cleaner filters smoke, pollen, dust, lint and some types of germs from room air. Using about the same amount of current as a 40-watt light bulb, the machine draws air between charged metal plates where the airborne particles are deposited. The plates are easily washed in a sink. The machine can be wheeled from room to room.

Science News Letter, May 8, 1954

⚙️ **GARBAGE ELIMINATOR** works on a sort of septic-tank principle to transform raw garbage into a liquid that seeps into the ground. The process is started with a "catalytic starter" and works on all types of garbage, including bones and eggshells. The cone-like receptacle is designed to be odor free in operation and to resist rodents, insects and dogs.

Science News Letter, May 8, 1954

⚙️ **HIGH-STRENGTH BOLTS** are especially designed to meet the increasing shock and vibrational stresses encountered by sonic and supersonic airplanes. A single 1½-inch diameter bolt could support the entire gross weight of the B-47 Stratojet bomber—a load of more than 90 tons, the maker reports.

Science News Letter, May 8, 1954



⚙️ **INFRARED TUBE** is slightly larger than a pencil and can be used in heating, drying, baking and cooking operations. Made of fused translucent quartz, the lamp, shown in the photograph, is available in 500- and 1,000-watt sizes.

Science News Letter, May 8, 1954

⚙️ **PRACTICE BALL** for golfers has a tiny parachute attached to cut down the ball's flight. The parachute canopy is brilliant red and is tied to the regulation ball with a 20-in-long string that does not interfere with teeing off.

Science News Letter, May 8, 1954

⚙️ **CANVAS SEATS** for wooden fold-up lawn chairs quickly replace worn out canvas. No fitting or nailing is required; the canvas seats attach to the wooden frames with four rope loops. The canvas is white with a royal blue crown printed on the material. "His Highness" or "Her Highness" is printed in large English text beneath the emblem.

Science News Letter, May 8, 1954

⚙️ **SHOE POLISH** container is a butyrate plastic tube with a screw bottom that forces polish through a thick felt stopper on the other end of the tube. The user can apply the polish directly to his shoes without getting his hands soiled.

Science News Letter, May 8, 1954

⚙️ **DECORATIVE COMPASS** for automobiles shows the motorist whether he is headed north, south, east or west. The easily read compass is floated in a small butyrate plastic globe with North and South America visible. At night, the markings are illuminated indirectly.

Science News Letter, May 8, 1954

Spring is here . . .

## 3 EXPERIMENTAL KITS \$150

TO GIVE YOU A HEAD START

★ **1953 SEEDS**—Royal Carpet Alyssum, 1953 All-America silver medal winner. Four vegetable seeds for the home garden: small-vined, early maturing tomato; spineless okra; giant radish; late-maturing, vitamin broccoli.

★ **1952 SEEDS**—Salad Bowl lettuce, long-lasting and heat-resisting garden lettuce, Mandarin Chinese cabbage and Celosia Pampas Plume, a new cockscomb—all available for the first time in 1952; Dianthus Double Gaiety, new member of the "pink" family . . . all are particularly suitable for home gardens.

★ **1954 GARDEN UNIT**—New Varieties of Marigolds, Zinnias, White Beet, Greenhart Lettuce . . . plus a sample packet of the new soil conditioner. Full details on the \$10,000 pure white marigold contest.

To: Science News Letter, 1719 N St., N.W.  
Washington 6, D. C.

I enclose my remittance of \$\_\_\_\_\_ for \_\_\_\_\_ collection(s) of Growing THINGS @ \$1.50. Please send to me at my address as imprinted to the left.

5-8-4

## Do You Know?

Electrical wiring in at least 20,000,000 homes and many commercial buildings is inadequate for the heavy loads imposed by modern electrical appliances.

The World Health Organization had anti-malaria campaigns in 21 countries and other campaigns against a total of 27 major diseases in 1953, its fifth year of activity.

An area of 4,000,000 square miles, greater than that of the continental United States, remains to be developed in the American Arctic.

The chief purpose of pruning bushes like blueberries is to prevent over-bearing, which results in small berries and poor bush growth.

Costs of making sugar from wood waste have been radically reduced by a new German process.

Deserts cover approximately 10,000,000 square miles of the earth's surface.