

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

⚙️ **FOOD STRAINER and washer for the homemaker** is a plastic device that has two basket-like halves, hinged together at one side. Flexible and unbreakable, the strainer weighs only a fraction of a pound. It can also be useful as a wool holder or crocheting bag.

Science News Letter, June 18, 1955

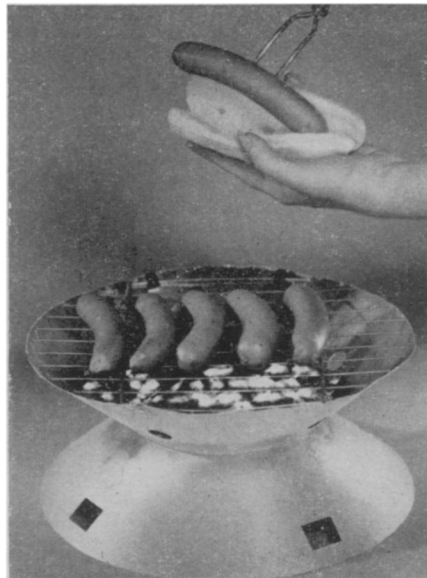
⚙️ **AUTOMATIC RECORD-CHANGER** plays an intermixed stack of 7-, 10- or 12-inch records automatically. Turntable speeds of 33 1/3, 45 or 78 rpm are maintained within narrow limits. The speed control knob also has a neutral position to protect the idler wheel when the changer is not in use.

Science News Letter, June 18, 1955

⚙️ **VOLTAGE REGULATOR** measures four by four by four inches. An instrument to be regulated is plugged into the outlet in the rear of the midget transformer, and the controller connected to a nearby power line. Rated at 1.25 amperes, it is adjustable from 0 to 120 volts when the input is 115-volt 50/60 cycle a-c.

Science News Letter, June 18, 1955

⚙️ **PORTABLE COOKER** for picnics and Sunday trips is an inexpensive and disposable barbeque pit. Complete with ex-



celsior for getting the fire started, enough charcoal for an hour's burning and its own grill, the asbestos, aluminum foil cooker, shown in the photograph, can be thrown away after the meal is cooked.

Science News Letter, June 18, 1955

⚙️ **MATHEMATICAL CHARTS** for students, engineers and bankers, consist of a log scale superimposed diagonally upon a log-log grid. One chart includes scales for multiplication and division as well as for square root, cube root and logarithms. Another chart has multiplication and division scales only. Charts may soon be available for the blind.

Science News Letter, June 18, 1955

⚙️ **TOY ROCKET** for space-minded youngsters is jet-propelled more than 300 feet into the air by water, used as fuel. Molded entirely of plastic, the rocket is prepared for launching by filling it one-third full of water. An injection pump is attached and when the trigger is released, compressed air forces the water out, propelling the toy.

Science News Letter, June 18, 1955

⚙️ **FISHING BASKET** imported from France is made of rustproofed steel mesh with a ring framework that permits extension to a depth of 20 3/4 inches. Trap door prevents fish from escaping while basket is submerged. Basket opening is six inches in diameter.

Science News Letter, June 18, 1955

⚙️ **MAP HOLDER** for motorists can be mounted on the sun visor of car or truck and rolls up and down like a window shade. Capable of holding up to five maps, it is designed for the standard 18-by-29-inch maps available at gas stations.

Science News Letter, June 18, 1955

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6-18-5

Do You Know?

Radioactive *arsenic* is being used successfully to locate brain tumors.

Today only about one-quarter of those afflicted by *cancer* survive the disease.

More than one-fourth of the families living on farms in the United States have cash incomes of less than \$1,000 a year.

About two and a half tons of *diamonds* are mined each year; one-half ton is of gem quality and the rest is used in industry.

The total world *energy* demand will at least double in the next 25 years, and between 1980 and 2000 it will double again, experts estimate.

Ever since *algae* became recognized as a possible source of food, investigators have been seeking ways to mass produce these organisms.