

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

⚙️ **TUBE WINDER** rolls up tooth paste, medicine or paint tubes smoothly and tightly. Inserted where the tube is thinnest, directly behind the folded, crimped end, the winder becomes part of the tube after a half turn. It can be unrolled and used over again.

Science News Letter, June 11, 1955

⚙️ **MERCURY LURE** presents an enticing bait for fish. Its streamlined body of red and transparent plastic is partially filled with mercury, which on the retrieve, shifts weight and causes the lure to wiggle, dive, jump or dart automatically. Weighing only $\frac{1}{8}$ ounce, the lure can be used for casting, spinning or trolling.

Science News Letter, June 11, 1955

⚙️ **HAMMER WITH** a glass fiber reinforced plastic handle is described as stronger than steel, shock-proof, rust-proof and practically unbreakable. Completely weather-resistant, the modern hammer handle has both the shape and resilient feel of the traditional shock-absorbing hickory handle.

Science News Letter, June 11, 1955

⚙️ **TOTS' SHOE** trees keep infants' and babies' shoes from wrinkling. Entirely self-adjusting to fit any shoe ranging in size from 0 to 5 and 5 to 9, they can be inserted into either dry or wet shoes.

Science News Letter, June 11, 1955



⚙️ **CONSTRUCTION TOY** set permits children to build almost any toy, figure or design they dream up. The colored, specially notched pieces, shown in the photograph, come in seven basic geometric shapes and are made of a tough acetate plastic. They are linked together by means of red plastic tubing. The toy pieces are washable and non-shattering.

Science News Letter, June 11, 1955

⚙️ **HAND TOOL** is practically an electrical workshop. It crimps insulated solderless terminals and connectors, shears bolts and machine screws, cuts wire and strips wire sizes 22-10. Stripper notches also serve as wire size gauges. Stud, bolt and screw sizes can also be judged. Insulating sleeves of plastic cover the handles.

Science News Letter, June 11, 1955

⚙️ **UTILITY PAIL** that resists rust, dents, chips and breakage is molded of a flexible plastic. Available in seven colors with a white cover and handle, the versatile 15-quart pail is $14\frac{1}{2}$ inches tall. Easy to wash and not odor-retaining, the pail can be used for scrubbing, a wastebasket, a hamper or outdoor beverage carrier.

Science News Letter, June 11, 1955

⚙️ **COMPASS-MEASURE MECHANICAL** pencil should prove handy for motorists, surveyors and boy scouts. Imported from Germany, the top of the pencil contains a watch type movement having on one side a scale converting miles to inches and a compass on the other. A beveled wheel traces distances on a map. It measures $4\frac{1}{2}$ inches by $1\frac{1}{4}$ inches.

Science News Letter, June 11, 1955

Do You Know?

Almost 28% of all traffic accidents occur between 4 p.m. and 8 p.m.

Diamonds are found in certain river gravels and in the blue ground of volcanic pipes.

Insurance premiums paid by motor-vehicle owners in the United States exceeds \$3,600,000,000 annually.

An electronic "brain" helped design the complex lenses used in wide screen movie projection.

Mechanization of underground coal mining methods has increased tonnage production at reduced costs, but has also increased the percentage of fine coal and refuse.

An ultrasonic hammer that strikes 25,000 times a second gives industry a grinding method that can cut a variety of hard brittle materials with soft, inexpensive tools.

To measure air turbulence caused by planes moving at twice the speed of sound, a device with wires as small as 50 millionths of an inch is used in a supersonic wind tunnel.

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