

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

⚙️ **RUG WEAVER**, powered by electricity, speeds up a popular but time-consuming hobby. The gun-like weaver, costing about \$90, is simply guided over any pattern the user may draw on the rug backing. The unit makes up to 200 loops per minute in various loop lengths from 3/16 to two inches.

Science News Letter, September 18, 1954

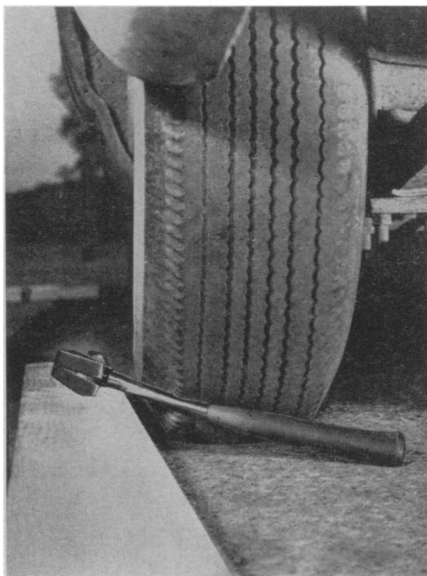
⚙️ **REFRIGERATOR DISPENSER**, at a squeeze of its rubber-bulb top, delivers a glassful of the liquid it stores. Basically an air-pressure pump, the one-gallon unit stays in the refrigerator until emptied, and therefore is not likely to be broken or its contents spilled.

Science News Letter, September 18, 1954

⚙️ **HOLLOW GLASS** block has a pale green fibrous glass screen sealed into the center which reduces heat transmission and excessive brightness and glare. Light directing patterns are built into the block's inner surfaces and partial vacuums on both sides of the green filter keep out much of the sun's heat.

Science News Letter, September 18, 1954

⚙️ **"INDESTRUCTIBLE" HAMMER** can be run over by an automobile without harming the tool, even when propped



against a two-by-four, as shown in the photograph. The hammer's unique tubular steel shaft, similar in construction to a golf-club shaft, is covered with a thick rubber-fiber grip which absorbs shock.

Science News Letter, September 18, 1954

⚙️ **MATTRESS AND** foundation are combined into one unit, six and one-half inches deep, which can be made firmer or softer by inflating or deflating lateral air cylinders sandwiched between foam rubber cushioning. In double bed units, there is an independent control unit for each half of the bed so that each sleeper may inflate his part of the mattress as he desires.

Science News Letter, September 18, 1954

⚙️ **POCKET LEVEL** is as easy to carry as a fountain pen because it weighs less than an ounce, is about the same size and has the same pocket clip as a pen. Useful for leveling clocks and appliances, and for do-it-yourself chores of all sorts, the tool is accurate and inexpensive.

Science News Letter, September 18, 1954

⚙️ **VENETIAN BLIND** brush fits onto standard vacuum-cleaner hose so that dust removed from the blinds is pulled inside the cleaner. The self-cleaning revolving brushes fit curved slats, and there is a model available for flat slats.

Science News Letter, September 18, 1954

⚙️ **NEW TV set** is tuned from knobs above its picture tube to eliminate stooping or squatting while making picture adjustments. Its hinged lid permits a serviceman to get into the workings quickly for repairs. Whole circuit units plug into the chassis to speed repairs and improvements. The set features two high-fidelity loudspeakers, and a TV antenna that doubles as the radio aerial in the combination models.

Science News Letter, September 18, 1954

Scientific Instruments You Can Make

How teen-age scientists have designed and built various scientific instruments. References guide the reader to research in the fields opened by use of these instruments.

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Do You Know?

Women drivers are involved in only 12% of the total auto accidents in the U. S.

U. S. national forests yielded a \$67,000,000 income during the year ending June 30, 1954.

Ground-nesting termites sometimes get into basement and porch floors and may attack rugs and carpets.

Stannard Rock is the most remote lighthouse operated by the federal government; located southeast of Keweenaw Point in Lake Superior, it is 24 miles from the nearest shore.

Veterinarians report success with a new liquid bandage which, when sprayed over a wound, quickly dries to a tough, adhesive, transparent film that stays in place for a long time.