

• New Machines and Gadgets •

For addresses where you can get more information on the new things described here, send a three-cent stamp to SCIENCE NEWS LETTER, 1719 N St., Washington 6, D. C. and ask for Gadget Bulletin 505. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **HOME HAIR TRIMMER**, electrically operated, has two full sets of keen, hardened steel cutters, one on each side of the double-headed affair. Each set of cutters are at a different approach angle which makes it suitable for varied uses.

Science News Letter, February 25, 1950

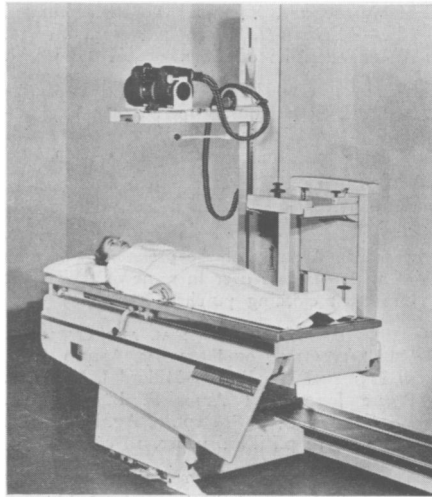
⚙️ **PROFESSIONAL TOOL** for cleaning all internal parts of an automobile's carburetor without removal from the engine is attached to the carburetor fuel intake and injects a special chemical solution and gasoline into it while the engine is running. The solution removes all deposits in 15 minutes.

Science News Letter, February 25, 1950

⚙️ **LIGHTNING ARRESTER** for the television set, to prevent damage from lightning or static charges collecting on the roof antenna, is a porcelain affair that can be installed on the mast or on a grounded pipe. Discharge contacts are sealed in rare gas to dissipate the charges that may cause damage.

Science News Letter, February 25, 1950

⚙️ **"STEPPING STONE"** line of X-ray equipment can be constructed into more than 300 types and models. It will permit small hospitals to up-grade their X-ray fa-



ilities one step at a time as funds become available. The picture shows a fully equipped model for use in large institutions.

Science News Letter, February 25, 1950

⚙️ **PLANT MUTATION KIT**, for amateur experimenters in changing the characteristics of plants with colchicine, comes complete with this deadly poisonous chemical in solution and paste form, watch

glasses, filter papers, vials and tweezers. A direction booklet in non-technical terms is part of the kit.

Science News Letter, February 25, 1950

⚙️ **COIN BOX**, which forms a convenient handle to a new transparent plastic umbrella, will hold 50 cents or more in pennies, nickels and dimes where the coins are readily available for streetcar fare. Coins are removed through slots on the side.

Science News Letter, February 25, 1950

⚙️ **BATHING AID**, for use with infants in a bathtub, is an inclined strip of ducking held by a metal frame on which the baby may sit or lie. Its shape makes a comfortable seat when the lower end of the cloth is dropped. A strap on this recently patented device holds the infant in the desired position.

Science News Letter, February 25, 1950

⚙️ **SOIL MOISTURE** is measured with a device which includes a book-size block to bury in the ground from which wires lead to an overground electrical resistance meter. The block, made of thin metal plates separated by nylon, and assembled under pressure, absorbs moisture in exact proportion to the soil moisture.

Science News Letter, February 25, 1950

Do You Know?

India's production of tea is over a half billion pounds a year.

Roots and herbs were used for their curative effects probably among men of all primitive races.

The first metals used by early man were those that exist in uncombined form, such as gold, silver and copper.

Aluminum is protected from burning in the air like magnesium by an oxide coat that forms on it when burning is tried.

A new wind tunnel used in England in aviation developments uses a standard British turbo-jet engine to provide the air flow.

New direct radiotelephone circuits from the United States to Hong Kong and the Union of South Africa were introduced during 1949.

Petroleum is of course important as a fuel for engines but is equally important as a source of lubricants without which engines could not operate.

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