

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

☛ **LUGGAGE CARRIER** of aluminum, attachable on the top of an automobile, is a flat 35-pound box that provides 15 cubic feet of weatherproof storage space. It rides on four vacuum cups and two rubber-cushioned cross braces.

Science News Letter, January 6, 1951

☛ **SCHOOL DESKS** that can not be chipped, worn or initialed, have an upper face of tough durable material surfaced with melamine resin. Marks from ink, pencils, modeling clay and other classroom supplies can be wiped off with a damp cloth.

Science News Letter, January 6, 1951

☛ **NYLON DRIVESHAFT** in a new electric razor is used as a connecting rod to transmit power from the motor to the cutter blade. Weighing only one-eighth as much as metal, it still has the necessary strength, prevents the transmission of shock from blade to motor and absorbs vibration.

Science News Letter, January 6, 1951

☛ **POWERSAW SHARPENER**, for use in home shops to sharpen saws from six to ten inches in diameter, utilizes the regular saw table with a grinder substituted for the saw. A metal frame with an adjustable carrier jig that slides on the table holds the saw in any desired position.

Science News Letter, January 6, 1951

Do You Know?

Raw *cabbage* rates with citrus fruits in vitamin C content.

Nylon fabric may suffer damage in ironing if the iron is too hot.

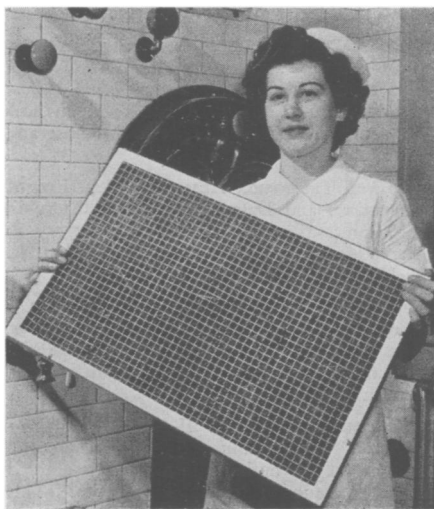
Forests help purify the air, preserve the water supply and prevent soil erosion.

Pneumonia is not the menace it once was, thanks to sulfa drugs, penicillin and antibiotics.

A recent auction sale of government-owned *fur-seal* skins brought an 84% price increase in black skins over spring sales; black is fashion's present favorite.

Seed from California Redwood and Sequoia trees sent to England a century ago, and later, are responsible for the many trees of these types now in Great Britain.

A new factory in the Dominican Republic has recently been opened which will make some 7,000 gallons of 100% ethyl alcohol a day from local blackstrap *molasses*.



☛ **AIR FILTER** for use in hot-air-heating and air-conditioning systems, shown in the picture, is made of plastics that become charged with static electricity when exposed in a current of air. This electric charge attracts even the finest particles of foreign matter in the air.

Science News Letter, January 6, 1951

☛ **BATHROOM HEATER**, built into the wall, is hinged so that it can be pulled out and faced downward over the head of a person to dry the hair. A pull-out rack makes it usable as a clothes dryer and, by a flip of a switch, this electrical device becomes a cooler.

Science News Letter, January 6, 1951

☛ **GARAGE DOOR CONTROL** opens a roll-away door when a button in an approaching car is pushed and, at the same time, turns on the garage lights. A magnetic switch embedded in the driveway is activated by a magnetic field controlled by the pushbutton, the switch starting the motor that operates the door.

Science News Letter, January 6, 1951

☛ **INDUCTION APPARATUS**, for laboratory use in determining the carbon content of steel, assures rapid work without the discomfort of the heat from the now widely-used furnaces. It employs a quartz sample holder and an induction-type coil which heats the steel with radio-frequency electric energy.

Science News Letter, January 6, 1951

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