

• New Machines And Gadgets •

⊗ **HEATED steering wheel cover**, to keep an automobile driver's hands warm in cold weather, fits closely the rim of the wheel and is made of leather, rubber or fabric within which a heating coil or heating element is embedded. The heater is connected to the car's electric ignition system.

Science News Letter, March 23, 1946

⊗ **COAXIAL SPEAKER**, particularly for frequency modulation, or FM, reception and high quality phonograph reproduction, consists of two units, each reproducing a portion of the total frequency range. It has a compression-type high-frequency unit attached to the back of a direct-radiator low-frequency unit.

Science News Letter, March 23, 1946

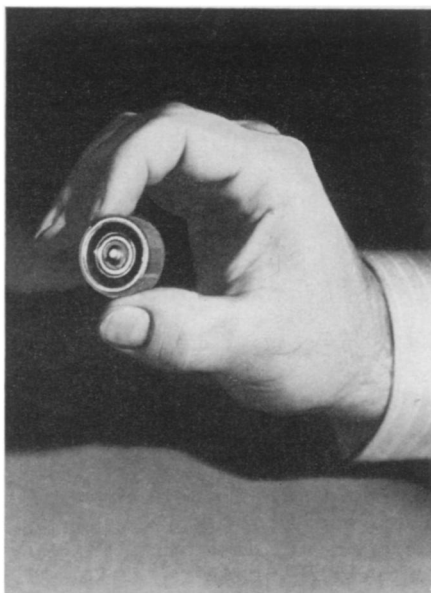
⊗ **JET-PROPULSION top**, a toy, is spun by compressed air escaping through nozzles on its outer surface. Inside the globe-shaped affair, its perpendicular axis is a compression pump which is manually operated by an outside knob on the upper end of its piston. The globular body holds the compressed air.

Science News Letter, March 23, 1946

⊗ **DISAPPEARING stairway** fits snugly into the ceiling of a room between regular joists. It is mechanically attached by levers with a trapdoor in the floor above in such a way that opening either one opens the other. The combination, counterbalanced for ease in operation, is held in either position by gravity.

Science News Letter, March 23, 1946

⊗ **TINY DRY BATTERY** that powered the "handie-talkie" used by Army



Signal Corps has now been developed into the commercial model shown in the picture, used principally in hearing aids. Chemical reaction of zinc and mercuric oxide operates the cell; conventional cells use zinc and carbon.

Science News Letter, March 23, 1946

⊗ **SAFETY RAZOR** that floats has a hollow bulbous plastic handle containing a sealed volume of air. It is designed for campers who use the smooth surface of a lake for a shaving mirror.

Science News Letter, March 23, 1946

⊗ **MAGNESIUM gravity conveyors** of the roller type weigh less than half as

much as steel conveyors of the same strength. Made in 10-foot units weighing 68 pounds, they are easily combined into long conveyors in industrial plants where longer ones are needed.

Science News Letter, March 23, 1946

⊗ **METAL wastebasket** that smothers out a fire accidentally started in it has double open downward-projecting lids covering the outer part of the circular top. These accumulate the carbon dioxide from a fire in its early stage and use it to prevent further oxygen from reaching the flame.

Science News Letter, March 23, 1946

If you want more information on the new things described here, send a three-cent stamp to SCIENCE NEWS LETTER, 1719 N. St., N. W., Washington 6, D. C., and ask for Gadget Bulletin 303.

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