

# • New Machines And Gadgets •

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⚙️ **VELVET-LIKE** soft finish, applicable at home to surfaces of wood, plastic, metal, paper or cloth, consists of extremely short rayon fibers driven by a spray gun into a coating of a special adhesive. The force of the spray causes one end of each fiber to penetrate the glue, the rest of the fiber standing erect.

Science News Letter, August 9, 1947

⚙️ **TUBELESS TIRES** for automobiles, now undergoing all known tire tests, will be available soon. The new tire, with rayon cord construction, is said to combine the safety feature of puncture-sealing inner tubes with improved riding qualities.

Science News Letter, August 9, 1947

⚙️ **MINIATURE** toy racer resembles the full-sized automobile in beauty and design. It has a streamlined body of plastic construction, rubber-tired wheels, and a manually wound spring motor, which can run it over 150 feet at 15 miles per hour on one winding.

Science News Letter, August 9, 1947

⚙️ **DIAMOND-TIPPED** phonograph needles are now available at a relatively reasonable price due to new high-speed methods of grinding and polishing. Their advantage is principally their long life; test tips have been run daily for two years without showing wear.

Science News Letter, August 9, 1947

⚙️ **HEARING-AID**, worn but invisible in the ear of the girl in the picture, replaces the ordinary button with a delicately shaped flesh-colored plastic rim which fits snugly into the ear. A slender



transparent tube, behind the ear, carries sound from a tiny receiver hidden in the hair.

Science News Letter, August 9, 1947

⚙️ **AIR FILTER** for sleeping and other rooms, an improved electrically operated type, fits on a window-sill and draws the air from the outside. The cabinet-finished radio-size box and its filters remove dust, soot and plant pollen from the air. Extension panels fit it under ordinary sash.

Science News Letter, August 9, 1947

⚙️ **CASTER** for trucks used in factories, station platforms and airports have what is called floating hubs to permit smooth movement over roughness. The wheel

has springs between its rim and axle which keep it in contact with the ground at all times and ride it over bumps without lifting the load.

Science News Letter, August 9, 1947

⚙️ **HOME TOOL** for amateur plumbers taps out a new seat opening in most standard-type faucets, then adds a new brass replacement seat. It is an inexpensive steel device, easy to operate.

Science News Letter, August 9, 1947

⚙️ **ODOR CONTROL** of new manufactured products is obtained by use of an odor classification set. This consists of 32 vials, each of which contains a liquid with what might be called a standard distinctive odor. Substances being tested can be compared with the standards by any person with a good sense of smell.

Science News Letter, August 9, 1947

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**Pictures:** Cover, Scripta Mathematica; Monsanto Chemical Co., p. 83; Chicago Natural History Museum, p. 85; B. F. Goodrich Co., p. 87; Farnsworth, p. 90; General Motors, p. 91.

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