

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

⚙️ **TRUCK TIRE** has a revolutionary tubeless design said to permit the tire to be changed on trucks as easily as automobile tires are changed. The tire fits a special one-piece drop-center rim that does not have the customarily high holding-flanges.

Science News Letter, April 11, 1953

⚙️ **LIGHTNING ARRESTER** attaches to 300-ohm UHF down-lead to provide protection to television sets. Unlike some other arresters, the device does not produce ghosts or other interference on ordinary UHF video reception, the manufacturer states.

Science News Letter, April 11, 1953

⚙️ **MAGNETIC KNIFE** holder accommodates five kitchen knives from a small paring knife to a long ham slicer. Made of natural finished maple, the device can be screwed to a kitchen wall. It has an inset magnetic bar that holds the knife blades in place. The knife handles rest in a recessed groove at the bottom of the holder.

Science News Letter, April 11, 1953

⚙️ **BABY APRON** slips over the baby's head and fans out into a cover for a high chair tray, thus letting the baby eat by himself without spilling food on his clothes or the chair. The plastic apron also ties to the



rear legs of the high chair, as shown in the photograph, so that the child cannot stand up in the chair.

Science News Letter, April 11, 1953

⚙️ **GYROSCOPE**, said to be the smallest ever made in this country and possibly in the world, is about half the size of an ordi-

nary flashlight cell. Working on 6.3 volts of 400-cycle alternating current, the lightweight gyro rotor spins 24,000 times a minute and can be used where ruggedness is a desired quality.

Science News Letter, April 11, 1953

⚙️ **TRIM-BOARD CUTS** with a self-sharpening, rotating wheel-blade instead of a knife. Enclosed in a protective cast-aluminum carriage, the wheel-blade mechanism travels on a solid I-Beam track and will cut paper, film and blueprints.

Science News Letter, April 11, 1953

⚙️ **CIRCUIT BREAKER** for houses screws into the fuse socket just like the fuse itself. Available in 15, 20 and 30 amp sizes, the device "blows" when short circuits or electrical overloads occur, but can be reset when a button on its face is depressed. This turns the electricity back on.

Science News Letter, April 11, 1953

⚙️ **LIGHTING UNIT** for decorative and functional outdoor use is weatherproof and is offered with a choice of mounting brackets, one of which adapts it for indoor use. All medium-base sealed-beam type lamps fit the unit, the maker reports.

Science News Letter, April 11, 1953

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## Do You Know?

Thomas Jefferson invented the swivel chair.

Nearly 10 quarts of milk are required to make a pound of butter.

Barnacles grow on the skins of whales as well as on the hulks of ships.

Enough magnesium exists in ocean water to cover the entire earth to a depth of nine feet.

The first railroad rails were wooden; thin strips of iron fastened to the rails provided a running surface for the trains' wheels.

Maraschino cherries are bleached white with sulfur dioxide, then dyed a brilliant red or green with pure vegetable dyes.

It takes light about eight minutes to reach the earth from the sun, but it gets here from the moon in only 1.3 seconds.

During the last 10 years more than half of the disabled veterans who received training under Public Law 16 have been rehabilitated to the point where they can earn a living as trained workers.