

# • New Machines and Gadgets •

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☛ **SUN-TAN METER**, which does not measure the tan on the human body but determines the degree of tanning energy in either sunlight or from artificial lamps, consists of filters, light-sensitive cells and a recording device. The cells under ultraviolet tanning radiation become sources of electricity which activate the meter.

Science News Letter, July 30, 1949

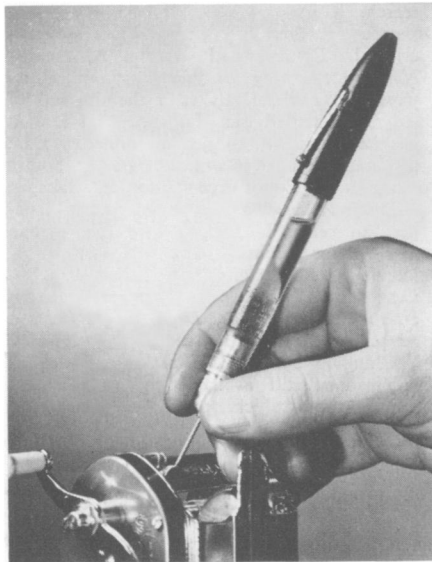
☛ **FLUSHING RACK** for baby diapers is a simple chrome-plated flexible wire bracket that snaps into the forward part of the modern flush toilet. Two spring holders on it grasp the diaper by a clean corner; flushing the toilet once or twice does the rest of the job.

Science News Letter, July 30, 1949

☛ **SCUFF PLATES**, for office swivel chairs of the revolving type, are made of a tough resilient plastic and are attached with cement to the bases to protect them from shoe-heel scratching. They are chip-proof, naturally lustrous, have long life and are easily cleaned.

Science News Letter, July 30, 1949

☛ **OILER** for home or office, shown in the picture, is fountain-pen size with a transparent plastic container so that the level of the oil is always visible. In use, a steel tip on the oiler is depressed on the part to



be lubricated and then released. Each time this is done, a little oil is ejected.

Science News Letter, July 30, 1949

☛ **WINDOW GUARD** of four nickel-plated steel bars eliminates any possibility of a youngster's tumbling out. The easily attached guard, which requires no tools to install, is for standard steel casement windows only, and is secured in position

by expansion action produced by a nut on one end of each bar.

Science News Letter, July 30, 1949

☛ **PORTABLE ELECTRIC radiator** for heating resembles an ordinary steam radiator but contains no water or steam. Heating elements are fully enclosed, and its convenient carrying handle can be folded over to provide a drying rack for small articles of wear.

Science News Letter, July 30, 1949

☛ **TWO-MAN PUP TENT**, made of nylon fabric, is designed for sportsmen and is dome-shaped with a perimeter of nearly 26 feet. Weighing only 9.5 pounds, it fits over an aluminum frame, making pitching and striking the tent a matter of a few minutes. It keeps out water, wind and insects.

Science News Letter, July 30, 1949

☛ **GUARD RAILS** for a youngster's bed are triple-bar devices attached in a horizontal position by metal uprights that may be quickly clamped to the wooden rails on each side of the bed. Easily disassembled, they are of value to travelers spending a night where special beds for children are not available.

Science News Letter, July 30, 1949

## Do You Know?

The *water tupelo*, a tree of southern swamps, grows in locations which are under water for a large part of the year; it sometimes attains a height of 100 feet and a low trunk diameter of three to four feet.

If *Alaska's water resources* were properly harnessed they could produce over 8,000,000 kilowatts of electricity, or about one half as much as the present output in the United States proper.

*Alfalfa* stands at the head of the list of all common hay crops because of its high yield per acre, its value in protein, its high calcium content and its value as a source of several important vitamins.

A promising feature in the construction of *dry cells* for electrical uses is the substitution of magnesium for the zinc now employed; there are many uses for zinc and the supply is not plentiful, while the magnesium supply is unlimited.

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