

# • New Machines and Gadgets •

☛ **TRANSPARENT** plastic pill boxes with a dozen separate compartments completely protect sulfadiazine tablets for soldiers from moisture and air. A wounded man can open the box with his teeth if necessary.

*Science News Letter, July 22, 1944*

☛ **WEATHERCASTER**, to predict fair weather or rain, is a cardboard instrument with four raised, lettered dials of different sizes that may be rotated independently on the same center. Dials are set respectively to wind direction, barometer reading, directional trend of barometer, and present weather conditions. A code number then indicates the weather prediction.

*Science News Letter, July 22, 1944*

☛ **BARK** from pulpwood logs is now removed by a machine which utilizes jets of water under high pressure. The method saves 10% of the wood, it is claimed, and eliminates hand-cleaning and finishing required in the older barking process.

*Science News Letter, July 22, 1944*

☛ **ALTERNATING** electric currents can be changed to direct currents by an apparatus which has just been patented. The apparatus is operated by a small motor and is claimed to be almost 100% efficient. This rectifier is suitable for both light and very heavy direct current consumptions.

*Science News Letter, July 22, 1944*

☛ **STEEL-BRISTLED** brush, cup-shaped and power-driven, rapidly cleans



steel surfaces of scales, rust and dirt, prior to repainting. Operating in, and driven by, a portable hand tool, the brush spins at 4200 revolutions per minute. The picture shows it in operation.

*Science News Letter, July 22, 1944*

☛ **FLOOR-SWEEPING** magnet, mounted on an apparatus resembling a lawnmower, picks up nails, screws, washers and iron scraps from factory floors. The 18-inch revolving drum is permanently magnetized, so that no connecting electric cables are necessary.

*Science News Letter, July 22, 1944*

☛ **ELECTRIC** water light, recently patented, may be dropped from an air-

plane into water without injury. It quickly comes to the surface right side up, automatically lights itself and floats as a guide for the plane. In storage it is kept in an inverted position.

*Science News Letter, July 22, 1944*

☛ **STRIP** of matches wrapped around the cigarettes between the inner and outer coverings of the package keeps matches ever-present. This unique package is claimed to be safe.

*Science News Letter, July 22, 1944*

☛ **CYLINDRICAL-SHAPED** electric razor departs from the ordinary form in that the side of the cylinder touches the skin. The motor is in the slightly enlarged handle end. The rotating cutting edge shaves with a draw cut.

*Science News Letter, July 22, 1944*

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 #17.

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