

• New Machines and Gadgets •

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⚙️ **RAIN HAT**, umbrella-size and made of a plastic sheeting, is an inflatable affair held extended by a tire-like tube around the rim which is blown up by mouth when the owner gets caught in a storm. When collapsed, it folds to a cigarette-size package, easily carried in a handbag.

Science News Letter, October 6, 1951

⚙️ **HAT-HOLDER** for the automobile is a rayon elastic band which, with the aid of four pin hooks inserted in the upholstery or ceiling lining, forms an open rectangle to hold the hat by its brim. The elastic has stretch enough to permit easy insertion and removal.

Science News Letter, October 6, 1951

⚙️ **PIPE FILLER**, for the smoker, is a plastic tubular affair that forms the bottom of a tobacco pouch and into which tobacco from the pouch passes. A plunger at one end pushes the "weed" as needed out the other end and into the bowl of the pipe without spilling or contamination.

Science News Letter, October 6, 1951

⚙️ **WINDOW PANE** holder, a recently patented device to replace the putty ordinarily used to hold the glass in the sash, is a metallic strip having a body portion of V-shaped cross section which fits into a slot in the sash. Rubber behind the strips makes a tight joint.

Science News Letter, October 6, 1951

Do You Know?

Some 19 metals in very small quantities are contained in the various grades of beef; called *trace elements* because they are found in traces, these essentials run from aluminum and boron to tin and zinc.

There are probably more *quail* and rabbits in parts of America today than there were before the white man came; both thrive better under conditions of modern agriculture.

The greatest depth of *water* in the Great Lakes is 168 fathoms at a position in Lake Superior.

Only five *icebergs* during the 1951 ice-berg season are known to have drifted south of the 48th parallel, approximately the southern limit of Newfoundland; such a low number is unprecedented.



⚙️ **EXPOSURE METER**, match-box size and designed particularly for use in taking colored pictures, is shown in the picture. The device is merely pointed at the subject or scene and gives the correct camera setting directly from a scale on its face. No

conversions, calculations or special readings are required.

Science News Letter, October 6, 1951

⚙️ **ROLLAWAY CARTS** for use about the home in the kitchen, laundry, lawn or garden resemble the familiar carts used in supermarkets and are sturdy enough to carry a load of dishes or a basket of wet wash. They are easy-rolling, lightweight, and are collapsible for small-space storing.

Science News Letter, October 6, 1951

⚙️ **BLANKET SHELF** for beds, recently patented, is a flat framework to insert between mattress and springs at the foot of the bed. The shelf can be pulled out when desired to hold a blanket or other object, a lug preventing complete withdrawal.

Science News Letter, October 6, 1951

⚙️ **"PHOTOANGULATOR"** is an instrument developed by Army engineers to give true horizontal directions from oblique aerial photographs. The three-arm device is set over the oblique photo, and one arm adjusted to the angle of the camera at time of exposure. Another gives the true horizontal directions.

Science News Letter, October 6, 1951

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