

•New Machines And Gadgets.

⚙️ **PORTABLE REFRIGERATOR** for picnics uses dry-ice as a refrigerant. The small trunk-like box has compartments for food, one compartment for the solid carbon dioxide, and another in which water is frozen into ice cubes. Suitable ducts for the flow of the carbon dioxide gas are provided.

Science News Letter, September 14, 1946

⚙️ **MINIATURE MOTORS** for the model airplane builder are true pulse-jet engines weighing one pound. A fuel nozzle mixes air and gasoline in a combustible mixture which enters the combustion chamber through a valve and is ignited by heat remaining from previous explosions. Battery, coil and spark plug give starting ignition.

Science News Letter, September 14, 1946

⚙️ **NIGHT LIGHT**, to illuminate the face of a clock or other objects, is a flat, polished plate on which the objects are set, and which has tiny neon tubes inserted under hoods on one edge. The light is not strong enough to disturb sleep.

Science News Letter, September 14, 1946

⚙️ **BOWLING PIN** that whistles when traveling after being struck, has a higher center of gravity and added resilience. It is the ordinary pin with a hole bored upward from the center of its base, and a small air passage from this to the neck of the pin. The large hole contains cork or other resilient material.

Science News Letter, September 14, 1946



⚙️ **PLASTIC SHIELD** that fits over the body, as shown in the picture, stimulates breathing by artificially raising and lowering the chest. The entire unit, with two extra shields of different sizes, is portable and can be operated by one person. It is a lightweight "iron lung."

Science News Letter, September 14, 1946

⚙️ **KITCHEN SCRAPER**, to clean pots and pans, uses the familiar scalloped edge bottle cap as a tool. It consists of a knob handle attached to an enlarged base which has a cavity on its lower side into which a cap fits tightly.

Science News Letter, September 14, 1946

⚙️ **FRUIT PICKER'S** apparatus is an arched frame mounted on wheels, large enough to straddle a tree, and light enough to be pushed from tree to tree. Movable ladders are attached to the frame and can be swung around the tree where needed.

Science News Letter, September 14, 1946

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

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Science News Letter, September 14, 1946

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