

• New Machines and Gadgets •

If you want 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 390. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **NOVELTY** greeting card appears blank to the receiver. But a picture and message quickly become visible when it is rubbed over with a small piece of paper towelling, enclosed with the card, which is wet before use in plain water. Invisible ink furnished with the cards permits the sender to sign them.

Science News Letter, November 29, 1947

⚙️ **STORAGE BATTERY**, a non-spillable type for airplanes, eliminates the need for the enclosure box or compartment now required by government regulations. The battery is made spill-proof by means of a patented vent manifold device which permits it to be inverted with safety.

Science News Letter, November 29, 1947

⚙️ **HOBBY MACHINE**, a woodworking device for the home workshop, is a combination circular saw, slotter, jig-saw, lathe and polisher. It can be used also as a horizontal drill and rotating file. Made of cast aluminum with steel accessories, it is powered by a one-quarter horsepower motor.

Science News Letter, November 29, 1947

⚙️ **WARM-FOOD OVENS** for airplanes are sturdy, compact compartments that hold six trays of food at a temperature of from 140 to 200 degrees Fahrenheit. The oven, shown in the



picture, weighs 15 pounds and can be easily handled by the stewardess. It is heated by plugging into the plane's electrical system.

Science News Letter, November 29, 1947

⚙️ **IRONING BOARD**, a recently patented folding type for home use, ejects steam as needed through a perforated pipe in a groove in its thin non-metal horizontal slab surface. Water for the steam is electrically heated in a small tank attached between the rear folding legs.

Science News Letter, November 29, 1947

⚙️ **TWO-CYLINDER GASOLINE ENGINE**, for use in free-flight model airplanes and similar applications, develops three-quarter horsepower and has a bare engine-weight of 12 ounces. The cylinders are directly opposite each other. A one-piece unit contains cooling fins, cylinders and crankcase.

Science News Letter, November 29, 1947

⚙️ **FIRE ALARM**, an audible type recently patented, is mechanically operated by a coil spring released by a link of fusible metal which melts from the heat of a fire. The fusible link is attached to a bell crank trigger.

Science News Letter, November 29, 1947

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Photographs: Cover, Fremont Davis; p. 339, Dr. Walter R. Miles; p. 341, Fremont Davis.

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