

• New Machines and Gadgets •

⚙️ *AN ELECTRIC* heating plate recently patented has two separate heating units. Four different degrees of heat may be obtained by using them singly, or in series or parallel.

Science News Letter, January 29, 1944

⚙️ *VACUUM TUBE* hearing aids for the deaf, complete with amplifier tubes, earphone, cords and battery, are now available in a simplified design. The new design, it is claimed, permits sale of the hearing aid at a reasonable price.

Science News Letter, January 29, 1944

⚙️ *AN ILLUMINATED* vanity case, small enough to be held in the palm of the hand, automatically lights up a flashlight bulb when opened. The lamp of this patented device is designed to focus of a spotlight on the face of the user.

Science News Letter, January 29, 1944

⚙️ *COSMETIC* pencils at each end of a water-proof case enable soldiers to apply camouflage face-coloring rapidly. Pressing the finger on either pencil in this handy device, recently patented, causes the other pencil to protrude. A spring draws it back.

Science News Letter, January 29, 1944

⚙️ *MIDGET* airplane heaters use high-octane gasoline which is vaporized and burned in the center of a column of spinning air. The type for small planes is shown in the photograph. Its major



use is to de-ice windshields, prevent ice from forming on wings, and to keep bombsights, instruments and other equipment operating.

Science News Letter, January 29, 1944

⚙️ *THICK LACQUER*, or "dope," thinned by heating, is now sprayed on airplane bodies and wings, and airplane fabric is brushed onto the sticky surface. Three more coats of the dope are added. The four coats take the place of a dozen coats applied with earlier lacquers.

Science News Letter, January 29, 1944

⚙️ *TRANSPARENT* plastic boxes are used by the U. S. Marine Corps to ship and hold small machine parts, such as nuts, bolts and screws. The plastic box protects the parts from moisture, sand, grease, poison gas and salt air, and enables the mechanic to see what he wants.

Science News Letter, January 29, 1944

⚙️ *"LIP MIKES"* are midget microphones worn on the upper lip and held by bands around the ears. Soldiers can wear them under gas masks and dust respirators. They are designed especially for use in tanks and where the free use of both hands is desirable. The lip mike may be used in combination with earphone headsets.

Science News Letter, January 29, 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 192.

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