

• New Machines and Gadgets •

☛ **CONCUSSION** hand grenades for use against the Nazis are molded in seven parts of two types of phenolic black plastic materials. The parts are threaded to hold them together. The grenades explode immediately upon striking.

Science News Letter, April 1, 1944

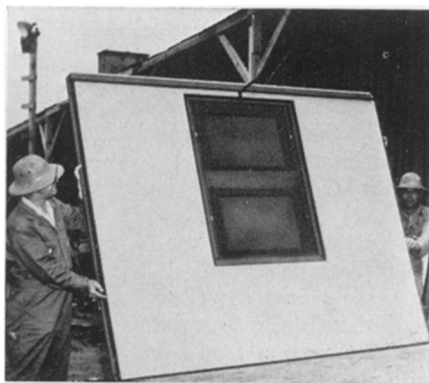
☛ **PORTABLE** wire-cutters for relatively heavy wire, recently patented, look like a light monkey wrench, but with the addition of a fixed and movable handle. The outer jaw has a hooked fixed cutter. The inner cutting jaw is operated by the movable handle grasped just as ordinary pliers are grasped and squeezed.

Science News Letter, April 1, 1944

☛ **ELECTROLYTIC** polishing of metal surfaces, a relatively new process, gives mirror-like faces more quickly and efficiently than is obtained by mechanical buffing and hand operation. In effect, ridges and imperfections are dissolved away.

Science News Letter, April 1, 1944

☛ **PREFABRICATED** Army barracks large enough to house 48 men may be erected in the field in 90 minutes without special tools. They have raised floors and insulated walls and roof. Windows are made of a translucent plastic which



admits ultraviolet rays. A section as shipped is shown in the picture.

Science News Letter, April 1, 1944

☛ **GALLEY KITS** for airplanes developed by the Army include two compact ovens electrically heated from the aircraft's electrical system. One is designed to cook food while in flight, the other to keep pre-cooked food hot enough to eat.

Science News Letter, April 1, 1944

☛ **A SEMI-QUILTED PAD** containing a drying and absorbing material will clean oil from arms and hands quickly and thoroughly. When applied, it leaves a fine coating of powder on the skin which absorbs the oil and is then brushed off.

Science News Letter, April 1, 1944

☛ **DAINTY** lingerie may be washed without wetting the hands in a small patented washing machine. The bucket suds-container has a top with a center hole through which passes a straight handle with a corded bag on its lower end. Articles in the loose bag are splashed up and down until washed.

Science News Letter, April 1, 1944

☛ **LABORATORY** pipettes, used to transfer small, carefully measured quantities of chemical solutions, will be found easier to use with a newly patented attachment. The rubber suction bulb on the pipette is enclosed in a rigid bulb, and is collapsed accurately to the desired extent with a thumb screw.

Science News Letter, April 1, 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 201.

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