

• New Machines and Gadgets •

⚙️ **KITCHEN RANGES** may be used to dehydrate vegetables more satisfactorily when the oven door is replaced by a specially constructed front containing an electric fan and openings for the passage of air in and out.

Science News Letter, May 27, 1944

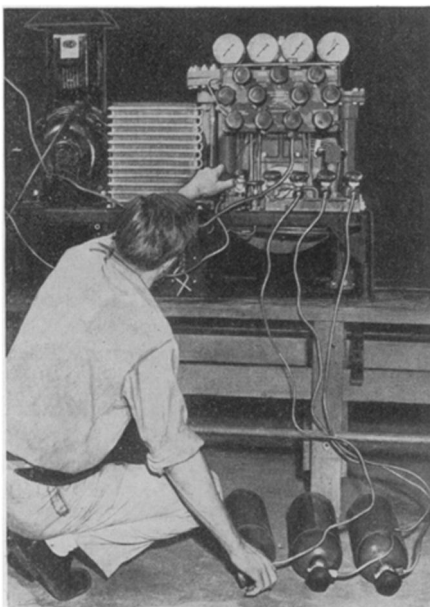
⚙️ **EXPLOSIVE rivets** used in war-plane construction now have an important improvement: the cavity for the tiny explosive charge extends along its shank instead of being only at the end. Detonation caused by heat applied to the head of the rivet with an electric iron expands the entire shank, making a tight fit.

Science News Letter, May 27, 1944

⚙️ **DRAFTSMEN'S drawings** are tested before being blueprinted with a device consisting of a two-panel illuminated table, both panels being lighted from underneath with illumination of the same intensity. A satisfactory drawing is placed on one, and the one being tested on the other, so that quick comparison is possible.

Science News Letter, May 27, 1944

⚙️ **NAVY oxygen compressor**, which quickly recharges aviators' oxygen cylinders, loads several at a time. It is portable and operated by electricity or a gas engine. The picture shows its motor and compressor on a steel base, and the valve



manifolds to provide individual control of gas flow to the small cylinders on the floor.

Science News Letter, May 27, 1944

⚙️ **CIGARETTE roller**, hand operated and for home use, has just been patented in a simplified, improved form. It rolls the tobacco into a cylindrical shape before it is moved on to the wrapping paper.

Science News Letter, May 27, 1944

⚙️ **TRANSPARENT collapsible tubes** for shaving cream, toothpaste and similar substances, made of a thermoplastic sheet with a rubber base, are promised for post-war days. The material, now used as a protective coating for war equipment, resists action of cosmetic ingredients and is economical.

Science News Letter, May 27, 1944

⚙️ **FLASHING LIGHTS** on an improved sanitary electric fly-killing apparatus indicate when the device is operating. This instrument, about the size of the breakfast-table electric toaster, attracts the flies, electrocutes them, and burns up most of the remains. The burning odor attracts more flies.

Science News Letter, May 27, 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 209.

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