

• New Machines and Gadgets •

⚙️ **ROTOTILLERS** may replace plows and harrows in tilling American farms. They dig up, churn and crumble the soil with steel picks rotating like paddle-wheels, preparing a seed bed in one operation. Used for years in Switzerland, the Rototiller is now made and used in America.

Science News Letter, February 24, 1945

⚙️ **RE-INKING** device for typewriter ribbons applies ink uniformly as the ribbon is passed from a spool to be re-wound on a reel. The ribbon is run between two pads which are inked from a reservoir, and then between rollers that spread the ink and force it into the fabric.

Science News Letter, February 24, 1945

⚙️ **ACID-PROOF** apron for heavy duty is made of a treated fabric combined with a new plastic by a special calendaring process which makes material acid-proof throughout. It can be washed and cleaned without injury to the acid-proofing qualities.

Science News Letter, February 24, 1945

⚙️ **PRUNING SHEARS**, operated by fluid pressure from a power cylinder mounted on the lower end of a pole, close and cut when the compressed air or other fluid carried in a tank is released to the cylinder by means of a push-button valve. The cutting blades are opened by a spring.

Science News Letter, February 24, 1945

⚙️ **HEELS** for ladies' shoes shown in the picture have an outside covering of



thermoplastic evenly distributed about a sixteenth of an inch thick and without seams. The plastic slightly impregnates the wooden core to form a permanent bond. Dull or shiny finishes in many colors are available.

Science News Letter, February 24, 1945

⚙️ **TOBACCO PIPE** with a grate and ash pit, recently patented, gives a clean, cool smoke, it is claimed, and keeps moisture away from tobacco and pipe-stem. The grate is a perforated disk in the bottom of the bowl; the ash pit is a horizontal tube below, into which the stem fits. A plug at the rear permits cleaning.

Science News Letter, February 24, 1945

⚙️ **LAMP CHANGER** for elongated electric discharge lights of the fluorescent type is a grasping device on a long pole permitting the user to stand on the floor. With it he grasps the tube, rotates it 90 degrees, and pushes a hand-grip attached to a rod inside the pole that operates the releasing device.

Science News Letter, February 24, 1945

⚙️ **NON-SPLITTING** nail, for thin molding strips and other fine woodwork, has two sharpened cutting edges forming a V-shaped groove across the end instead of the ordinary wedge-shaped point. These edges cut the fiber as the nail is driven.

Science News Letter, February 24, 1945

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Question Box

AERONAUTICS

For what will the six new planes be used? p. 118.

How fast is the new British Spitfire? p. 120.

ASTRONOMY

What four planets will be visible at the end of March? p. 122.

CHEMISTRY

What is the "stink bomb" for sharks? p. 119.

ENGINEERING

What does the new air position indicator do? p. 115.

INVENTION-PHYSIOLOGY

What is the new "walk-around" oxygen unit? p. 123.

MEDICINE

How many patients taking penicillin in the future be given the drug? p. 119.

Where published sources are used they are cited.

How successful has penicillin been so far in the treatment of undulant fever? p. 121.

What are the five signs of impending death from apoplexy? p. 115.

NUTRITION

How is a beverage made out of fermented grass leaves? p. 127.

PHOTOGRAPHY

How is it possible to take pictures of enemy installations at night without the use of a flash bomb? p. 116.

PSYCHIATRY

Why will the man who has adjusted well to military life have more trouble than the NP in fitting back into civilian life? p. 117.

RESEARCH

What is the Research Board for National Security? p. 126.

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