

# • New Machines and Gadgets •

⚙️ **MICROPHONE** for use in noisy locations transmits only the message. It looks like the ordinary instrument, but has two vertical slots on its sides through which the extraneous noises enter and strike opposite sides of the diaphragm at the same time, thus cancelling each other. A front slot admits the voice.

*Science News Letter, May 26, 1945*

⚙️ **METAL-COATED** plastic buttons, insignia, and automobile trimmings have a thin protective layer of metal applied evenly by the electroplating process. The finished product looks like metal but is lighter in weight and cheaper to produce.

*Science News Letter, May 26, 1945*

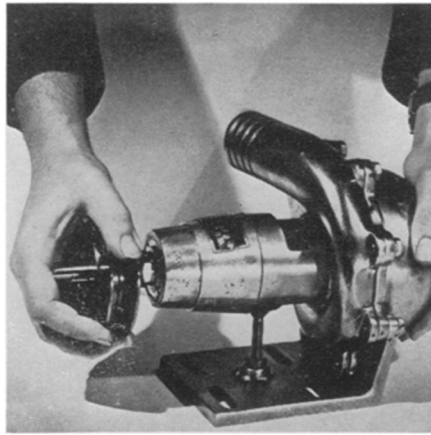
⚙️ **IMPROVED LUBRICANT** for drills used in drilling metals is a heavy material with a paraffin wax base and looks like shoe polish. Conveniently packaged, it is easy to apply and helps provide maximum life for the cutting tool without distorting the hole.

*Science News Letter, May 26, 1945*

⚙️ **AIR-COOLED flatiron**, in which the outside surface, except the base or soleplate, is kept cool even in continuous use, has air intakes around the edge of the sole. Two inclined air-chutes along the inner sides of the dome-shaped top, with escape slots over the iron's heel, permit air circulation.

*Science News Letter, May 26, 1945*

⚙️ **MIDGET PUMP** for marine engines, shown in the picture, weighs only 22 pounds but will deliver 250 gallons



of water a minute and requires but one horsepower to operate. Based on the principle of the Archimedes screw similar to the worm in the familiar meat grinder, it has two screws with a step between.

*Science News Letter, May 26, 1945*

⚙️ **SPECIAL CONTAINER**, to fly blood from America to battlefronts, is a box less than two feet on each side. Made of kraft fiberboard, it is covered on both sides with aluminum foil and fastened to a balsa base. It holds 19 pounds of ice, which keeps 24 pints of blood below 54 degrees for 60 hours.

*Science News Letter, May 26, 1945*

⚙️ **SAFETY CLASP pin**, to replace ordinary safety pins, has flat upper and lower jaws joined at one end by a resilient spring between which is slipped the material to be held together. The pin is

mounted on the upper jaw in such a position that it cannot prick the flesh.

*Science News Letter, May 26, 1945*

⚙️ **MUSICAL** wind instruments and horns of a new type, which practically avoid the use of pipes and tubes, have in their interior construction covered channels or grooves forming a number of ducts alternately directed in substantially opposite directions. They are made of metals or plastics.

*Science News Letter, May 26, 1945*

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## Question Box

### AERONAUTICS

How fast is the Army's newest twin-engine air cargo transport? p. 329.

What kind of engines are being tried on experimental B-29's? p. 332.

### ANTHROPOLOGY

What are the dimensions of an average man's face? p. 324.

### ASTRONOMY

What famous comet is appearing this year right on schedule? p. 325.

### CHEMISTRY

What new hope is offered for poison ivy sufferers? p. 327.

### ENGINEERING-AERONAUTICS

How is sound insulation on multi-engined bombers accomplished? p. 328.

### MEDICINE

What new life-saving operation has been tried on "blue" babies? p. 323.

What new method is being used to diagnose cancer of the kidneys? p. 328.

What new remedy for typhoid fever holds promise for the future? p. 325.

### MEDICINE-NUTRITION

What may diet have to do with resistance to virus diseases? p. 325.

### ORDNANCE

How is it possible to produce speeds up to 3,000 miles-an-hour? p. 326.

### PUBLIC HEALTH

What else besides T.B. may calcification of the lungs signify? p. 334.

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