

# • New Machines and Gadgets •

⚙️ **NAIL HOLDER** and finger guide, recently patented, is designed to prevent finger smashing by unskilled nail drivers. The device fits over one finger like a thimble, and holds the nail in a special groove during the initial blows.

*Science News Letter, July 8, 1944*

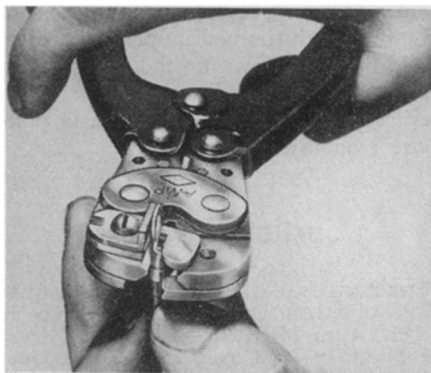
⚙️ **SPLICING SLEEVE**, to unite the ends of two wire cables or to form an eye loop on the end of one of them, is oval in shape and is made of copper with an interior coating of a brittle metal. The sleeve is firmly crimped on the cable with a plier-like hand tool or by a foot-operated set of dies.

*Science News Letter, July 8, 1944*

⚙️ **REVOLVING CHAIR** for boudoir or living room, recently patented, has stationary legs and a revolving circular seat with its mechanism concealed. The chair may be made with a concealed make-up mirror in the back, hinged so that it may be swung to a usable position.

*Science News Letter, July 8, 1944*

⚙️ **CRIMPING TOOL** shown in the picture firmly fastens terminals on elec-



tric wiring without the use of solder or heat. Pressure on the handles crimps the terminal connections to form a strong joint which offers little electrical resistance and resists corrosion.

*Science News Letter, July 8, 1944*

⚙️ **INK ERADICATOR** applicator of fountain-pen shape and size has two barrels in the single container, one for each of the two commonly used fluids, and each with its own point. Light pressure on finger buttons causes discharges. It is filled by suction.

*Science News Letter, July 8, 1944*

⚙️ **DOG COLLARS**, each carrying one or more germicidal powder-distributing pads, keep the animals free of fleas and other vermin. The powder is placed in cap-covered receptacles inserted in the collar. Muscular movements in the dog's neck work it through to the animal's skin.

*Science News Letter, July 8, 1944*

⚙️ **DUST EXPLOSION** chamber, for use in investigating dust explosions under test conditions comparable with those in factories, is a cylinder two feet in diameter and seven feet long, with steel doors at each end. Two revolving brushes on a rotating frame disperse the dust inside the bomb.

*Science News Letter, July 8, 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 215.

## Question Box

### AERONAUTICS

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How long ago did the U. S. Army have robot planes? p. 22.

### AGRICULTURE

What two colors have been found in American cotton lint? p. 26.

### ASTRONOMY

At what rate of speed are the stars of the Pleiades receding from the solar system? p. 20.

What would happen to the human race if the sun became a nova? p. 19.

### CHEMISTRY

How can an explosive be made from petroleum? p. 27.

What is the advantage of having rubber instead of wood as a plate separator in storage batteries? p. 21.

### DENTISTRY

What is the newest thing for treating dying teeth? p. 25.

### ECONOMICS

How much of the world's mineral production is under the control of the Allies? p. 28.

### ENGINEERING

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### MEDICINE

How can nylon be used in making childbirth easier? p. 24.

How complete are the medical kits prepared for Jap-held prisoners? p. 24.

How successful has vitamin P been in the treatment of rheumatic fever? p. 21.

What group of specialists made an unfavorable report on the Kenny treatment? p. 30.

### MILITARY SCIENCE

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### PHYSICS

What awards are to be made for contributions on the nature of light? p. 31.

### ZOOLOGY

What animal is our "admired enemy"? p. 30.

*Where published sources are used they are cited.*

## BOOKS

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