

# • New Machines and Gadgets •

☛ **COMBINATION stool and kit bag** has an ordinary pivoted frame and canvas seat, but suspended under the seat is a commodious bag opening on the ends, suitable for carrying lunches or small working implements. Flat leather or fabric handles on the sides are used for carrying.

*Science News Letter, July 14, 1945*

☛ **PHOTOELECTRIC crack detector**, to inspect glass jars and bottles to be used as food containers, automatically singles out and rejects those that have minute cracks or surface irregularities as they pass by on a rotary turntable. Only those safe for airtight sealing are accepted.

*Science News Letter, July 14, 1945*

☛ **HEARING losses** can now be tested by enclosing each ear in a soundproofed box containing a small loudspeaker. The box cuts out random noises, and the sound from the loudspeaker can be regulated. It is particularly effective in discovering a marked loss of hearing in one ear only.

*Science News Letter, July 14, 1945*

☛ **FACTORY TRUCK**, with an elevator arrangement on the forward end from which two heavy horizontal prongs project, carries coils of wire around a shop where much wire is used. The prongs stick through the coils. Boxes are carried resting upon the prongs or suspended by tongs under them.

*Science News Letter, July 14, 1945*



☛ **VIBRATRON**, shown in the picture, is a new precision instrument versatile enough to help in many industrial problems, including measuring a wide range of physical qualities such as temperature and pressure, and in the audio-frequency field. A stretched wire in an electro-magnetic field is the actuating element.

*Science News Letter, July 14, 1945*

☛ **BOOK COVER**, and support to hold a book in an inclined position when

resting on a table, is stamped from one piece of material, then folded in the same manner as the ordinary cover. This new cover, however, has triangular pieces on the two faces that may be folded downward to form supports.

*Science News Letter, July 14, 1945*

☛ **GERMICIDAL SOAP**, effective, non-toxic and non-irritant, is possible with a germicide that retains its full bacteria-killing properties in almost any soap. The soap should contain a fairly large amount of coconut oil fatty acids to be effective against typhoid and other intestinal tract germs.

*Science News Letter, July 14, 1945*

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 267.

## BOOKS

SCIENCE NEWS LETTER will gladly obtain any American book or magazine in print for subscribers.

Send check or money order to cover regular retail price. If price is unknown, send \$5 and change will be returned. We will pay postage in the United States.

When publications are free, send 10c for handling.

Book Department  
SCIENCE NEWS LETTER  
1719 N Street, N.W.  
Washington 6, D.C.

## Question Box

### AERONAUTICS

How many planes will there be for passenger travel in the postwar period? p. 28.

What plane is capable of five miles a minute? p. 23.

### AGRICULTURE

In what states will Turkish tobacco be grown this summer? p. 25.

### ASTRONOMY

How are "hidden" stars now studied? p. 22.

### DENTISTRY

How many teeth in this country need pulling? p. 27.

### ENGINEERING

How is it possible to have tires that are good for 100,000 miles? p. 21.

### GENERAL SCIENCE

What type of laboratories will be listed by the National Research Council in the future? p. 25.

Where published sources are used they are cited.

### MEDICINE

How successful has neostigmine been in the treatment of infantile paralysis? p. 20.

What treatment completely banished the pain and other symptoms of trench mouth? p. 21.

### ORNITHOLOGY

How many wing strokes does the ruby-throated hummingbird make each second? p. 24.

### PHYSICS

Why is the Nazi story of a stratosphere platform so fantastic? p. 22.

### PHYSIOLOGY

What seems to be the answer to the question of how living muscles contract and relax? p. 19.

### PUBLIC HEALTH

How will civilians be able to get blood plasma in the future? p. 23.

### VOLCANOLOGY-AERONAUTICS

How will Paricutin be investigated? p. 19.

The imprint to the right is mailing address for your Science News Letter.

Date on lower line is expiration of your subscription.

Renew early to avoid lapse in service.

In requesting change of address please give your old address as well as the new one, at least two weeks before change is to become effective.