

# • New Machines and Gadgets •

⚙️ **SELF-HEATING** soup can, a British invention now available to Americans in Normandy, resembles an ordinary can but has a metal disk in the center of the lid. Underneath is a fuse enclosed in a metal tube running down the middle of the can. Pry the disk off, light the fuse and the soup is hot in four minutes.

*Science News Letter, August 12, 1944*

⚙️ **SEA MULE**, or harbor jeep, a new powerful tug for handling vessels in harbors or on inland waters, is maneuverable, speedy and easy to operate. It is gasoline-engine powered and has two five-foot propellers which receive 286 horsepower each. It is 40 feet long, 15 feet wide, and has a draft of six feet.

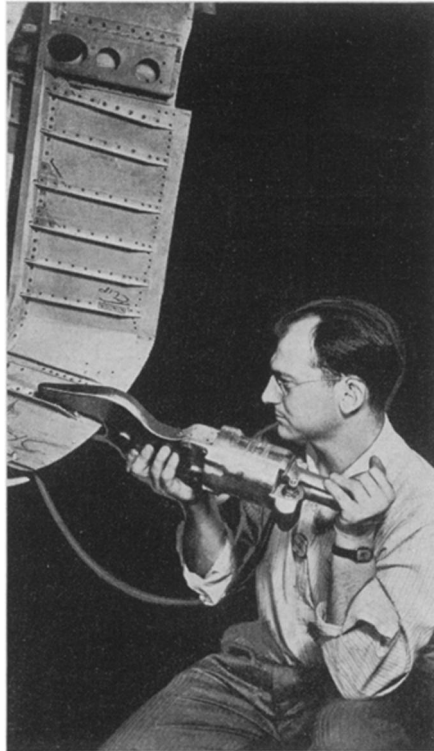
*Science News Letter, August 12, 1944*

⚙️ **SIMPLE** home fruit or vegetable dehydrator, suitable for products that will not stick to the screen or become broken up by tumbling, is a revolving drum container rotating in a box in front of a row of electric heating lamps. The drum is made of wire screening or other perforated material.

*Science News Letter, August 12, 1944*

⚙️ **PRECISION** plate glass, a glass for optical use which may be substituted in some installations for true optical glass, is now made by newly-developed mass production methods. In reality it is a fine plate glass with precise parallelism of its surfaces.

*Science News Letter, August 12, 1944*



⚙️ **ALLIGATOR-JAWED** riveter, operated by compressed air, completely and firmly heads rivets in an airplane frame or in other metal sheet fabrication. This modern air-power tool acts as its own backer up and riveter, and is operated by a single person, as illustrated.

*Science News Letter, August 12, 1944*

⚙️ **NO-NAIL** plywood boxes for shipping cases are held together with rods slipped into long circular holes in cleats fastened to the flat sides and in the wood or metal corner framing. No special milling tools are necessary in their manufacture.

*Science News Letter, August 12, 1944*

⚙️ **SUPER-STRENGTH** aluminum alloy, 90% aluminum and with magnesium and zinc as the principal other ingredients, is now used in war planes as skin or outside covering. Its compressive yield strength is twice that of ordinary structural steel, and its tensile strength 50% greater than the commonly-used aluminum.

*Science News Letter, August 12, 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 220.

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## Question Box

### AERONAUTICS

How many hours will it take the postwar luxury liner to cross the country? p. 106.

What advances have been made in gliders? p. 108.

### BACTERIOLOGY

What is streptomycin? p. 105.

### BIOLOGY

How have human eggs been artificially fertilized? p. 99.

### BOTANY

How may fig leaves help the shoe leather business? p. 105.

### ENGINEERING—MATHEMATICS

How does the new calculator solve intricate mathematical problems? p. 111.

### INVENTION

What is the advantage of oatmeal ice-cream? p. 110.

### MEDICINE

How does penicillin aid in skin grafting? p. 99.

How may DDT aid in studying the nervous system? p. 104.

Why is it best to eat when emotionally upset? p. 100.

Why is it thought that quinine is not necessary for the control of malaria? p. 101.

### MILITARY SCIENCE

How are barbs used against the Axis? p. 102.

### PLANT PATHOLOGY

What new menace is threatening our citrus trees? p. 110.

### RADIO

How does the Radio Intelligence Division police the airwaves? p. 103.

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