

# •New Machines and Gadgets•

⚙️ **EATING** a grapefruit may be made easier if it is prepared with a new knife just patented. The non-edible web separating the pulp segments can be cut out by two parallel cutting edges joined at their ends with a cutting loop, all of which is attached to a handle.

*Science News Letter, January 8, 1944*

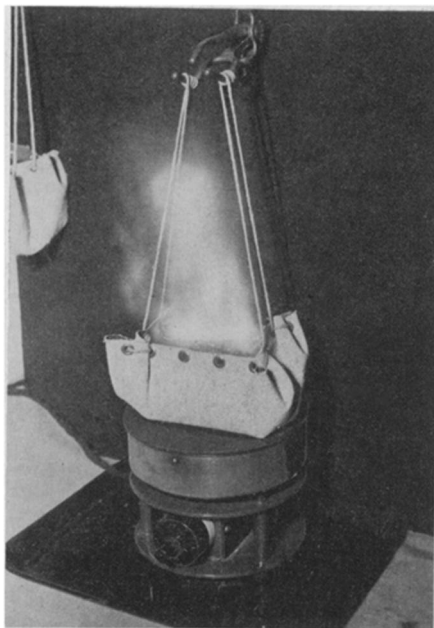
⚙️ **TWO FAINT** converging lines near the lower edge of a sheet of typewriting paper enable the writer to know when he is near the bottom of the sheet. The distance between the two lines at any particular point is designed always to equal the distance to the bottom of the sheet. The device has just received a patent.

*Science News Letter, January 8, 1944*

⚙️ **EAR MUFFS**, which may be quickly suspended or detached from the sweatband of a hat, consist of wire frames covered with suitable cloth. Recently patented, each frame is a single piece of resilient wire with a spring clamp to hold it to the sweatband.

*Science News Letter, January 8, 1944*

⚙️ **LIGHTWEIGHT**, collapsible containers, for boiling water and cooking soup or whatever the hungry soldier may have on hand, are being made of rubber



and asbestos. These containers, which pack flat when not in use, were developed as part of the aviator's emergency kit. They can be suspended over an open fire by means of an asbestos string, which also holds them in shape.

*Science News Letter, January 8, 1944*

⚙️ **PAINT** to weather-proof outside electric wiring may be applied to the already installed wire by a trough-shaped device with a flanged wheel. The wheel guides the device along the wire, a guide pin keeps the wire immersed in the paint held in the trough and stiff brushes force the paint into the braid. Attached to a pole, the device can be pushed along the wire from the ground.

*Science News Letter, January 8, 1944*

⚙️ **OIL-FREE** fruit juices may be extracted by a newly patented device consisting of a drum which rotates over a V-shaped trough. The trough is right-angled where fruit cut in quarters is fed into it, but gradually flattens as it approaches nearer the drum. The drum carries the fruit along and furnishes the pressure to extract the juice.

*Science News Letter, January 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 189.

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