

•New Machines And Gadgets•

⚙️ **EGG OPENING** device is an open ring that fits over the egg and may be closed by projecting handles. Arms fan downward and outward from the ring, each of which has a right-angle piercing point at its lower end. When the handles are squeezed, the points penetrate the shell.

Science News Letter, April 6, 1946

⚙️ **STORAGE** vessel for liquefied natural gas, or other liquids at extremely low temperatures, is spherical in shape with an outer sheet metal shell, an insulating material within, and inside that a gas-tight thin membrane of metal alloy that can withstand 260 degrees below zero, Fahrenheit. This membrane is corrugated.

Science News Letter, April 6, 1946

⚙️ **ECHO SOUNDER**, an aid to navigation in treacherous waters, has a rapidly oscillating quartz crystal that sends a high frequency signal to the bottom of the water and receives the returning reflected signal. The device automatically translates the elapsed time into depth.

Science News Letter, April 6, 1946

⚙️ **TOOL STEEL**, recently developed and tested, is claimed to provide a satisfactory combination of hardness and toughness. It is airhardened, provides good hardness in heavy sections, and keeps dimensional changes in heat treatment to a minimum.

Science News Letter, April 6, 1946



⚙️ **ELECTRONIC TUBES**, the most powerful ever built and the smallest ever made, are shown in the picture side by side for comparison. The 200-kilowatt giant weighs 80 pounds and is used in government transmitters for beamed overseas broadcasts. The midget is a hearing-aid tube, 0.7 ounce in weight.

Science News Letter, April 6, 1946

⚙️ **SCREW DRIVER** has a connection between the handle and the shaft that permits the handle to turn farther than the shaft after a predetermined amount of force has been applied. Its use prevents stripping the threads of a hard-to-

start screw by applying an excessive force.

Science News Letter, April 6, 1946

⚙️ **POWER TOOL** for home workshops is a combination affair that can be used for grinding, sanding, polishing, buffing and sawing. The basic machine, by replacement of parts, performs the first four operations. For sawing, the sand-wheel is replaced by a circular saw, and a saw table mounted over it.

Science News Letter, April 6, 1946

⚙️ **WINDING TOOL** for fishermen, size of a nail clip, enables them to make a perfectly wrapped joint of the steel wire leader with the fish hook. The leader wire is stuck through the eye of the hook and turned back on itself. Free end and wire are grasped by the tool and wrapped together by rotating the device.

Science News Letter, April 6, 1946

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 305.

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Question Box

ASTRONOMY

What has made possible expanded knowledge of the milky way? p. 210.

CHEMISTRY

How may DDT be outmoded? p. 216.

How may the nation's supply of penicillin be doubled? p. 217.

What four new elements have been synthesized? p. 211.

What one thing is standing in the way of synthesizing penicillin? p. 219.

What alternative program for atomic energy does the State Department report recommend? p. 213.

What is the one vital element for constructing an atomic bomb? p. 213.

Why are carrots losing rank as a source of vitamin A? p. 216.

GENERAL SCIENCE

How can scientists best contribute to a peaceful world? p. 210.

How does the State Department feel atomic energy should be controlled? p. 214.

What are the "blind spots of science"? p. 215.

GEOLOGY

How do we know that shellfish made pearls a million years ago? p. 216.

ORDNANCE

What new weapons have just been disclosed? p. 218.

PHYSICS

What is the best guess as to how plutonium is "denatured"? p. 212.

PLANT PATHOLOGY

How does spinach juice check plant disease viruses? p. 217.

Where published sources are used they are cited.