

•New Machines And Gadgets•

⚙️ **DEFROSTER** for household refrigerators removes ice from the outside of the cooling unit without heating up the entire inside of the refrigerator. The device consists of a number of metallic plates overlying the walls of the cooling unit, with electrically insulated heating elements behind them.

Science News Letter, September 7, 1946

⚙️ **LIGHTWEIGHT** cylinder for portable fire extinguishers using compressed carbon dioxide weighs slightly more than half as much as the older cylinder, and holds 25% more of the extinguisher. Its light weight and trigger control valve make it easy to handle.

Science News Letter, September 7, 1946

⚙️ **DETONATION** indicator, designed for use on all types of engines and aircraft, gives positive warning of improper combustion by detecting and evaluating detonation. It is a tiny device, an improvement on former indicators, easily installed, timed and maintained.

Science News Letter, September 7, 1946

⚙️ **HEAT-RETAINER** and holder for a nursing bottle keeps liquids at a proper temperature and inclines the bottle at the proper angle for feeding. The cylindrical insulated container, into which the bottle fits, has its open end covered, when in use, by a breast cap through which the nipple projects.

Science News Letter, September 7, 1946

⚙️ **VEGETATION** killer used 12,000 volts of electricity from a portable generator to electrocute weeds and deep-rooted perennials, without harming



row-crops or the soil. The wires shown in the picture are copper electrodes for discharges at the base of foliage.

Science News Letter, September 7, 1946

⚙️ **ADJUSTABLE** frame for photographs, by a system of springs and overlapping corners, can be pulled out or pushed in to suit any size of pictures from four by six to eight by ten inches. The frame, made of a plastic by an injection molding process, is of different colors.

Science News Letter, September 7, 1946

⚙️ **JET-POWERED** speedboat, in England, will have a modified form of a jet engine such as is used in aircraft. Two will be installed in the same hull

that, powered with conventional aircraft engines, skimmed over a water course at a rate of nearly 142 miles an hour.

Science News Letter, September 7, 1946

⚙️ **POT CLEANER** is designed to replace steel wool, that is held with the fingers. Built on the principle of an egg-beater, different types of brushes can be attached.

Science News Letter, September 7, 1946

⚙️ **ODOR REMOVER**, to pick up offensive smells emanating under bed covers from a patient's infected wounds, consists of a perforated canister containing activated carbon, placed close to the odor source. An electric fan draws the odor-laden air through the carbon, delivering purified air into the room.

Science News Letter, September 7, 1946

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Question Box

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What will increase the speed, possibly to above that of sound, of all future American high-performance aircraft? p. 155.

Why is the Great Circle route an important development of war research? p. 148.

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What good is coarse, rank-smelling, and poisonous jimsonweed? p. 154.

CHEMISTRY

Of what use is dried skim milk to good pies, cakes and pastries? p. 154.

Penicillin scores again in what way? p. 150.

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What type of atomic bomb explosion is most formidable? p. 158.

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Bunnies and minibunnies do what important work? p. 159.

Blood-donors can give patients what disease? p. 148.

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PSYCHOLOGY

Who was rated as top man in history by German and American youth? p. 153.

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What sort of baby is Twiga? p. 150.

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