

• New Machines and Gadgets •

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⚙️ **COMB-BRUSH CLEANING** device, to hang in the bathroom, has a tape of the conventional threaded type for cleaning the comb, and a plastic wide-toothed comb for use in cleaning the hairbrush. The smooth-surfaced plastic used will not snag brush bristles nor will its light weight impair their resiliency.

Science News Letter, January 22, 1949

⚙️ **PEEPHOLES** for apartment house doors are made with a recently developed "one-way" glass through which the person on the inside can see out, but which is a mirror to the visitor on the outside. The device is a door fixture, with a polished brass frame, that can easily be installed in any type door.

Science News Letter, January 22, 1949

⚙️ **COMPLETE BATHROOM** is factory-constructed and equipped, and shipped as a unit ready to attach as an ell to an existing building, particularly to farm and suburban homes. It contains conventional materials and equipment, all in permanent place, and all necessary fixtures and fittings for immediate installation and use.

Science News Letter, January 22, 1949

⚙️ **COMBINATION SCREWDRIVER** and hammer, shown in the picture, has a revolving flat metal disk at the upper end



so that the shaft can be spun without raising a blister on the palm of the hand. The movable hammer head, which can be fixed anywhere along the shaft by a set-screw, may also be used as a fist-grip for stubborn screws.

Science News Letter, January 22, 1949

⚙️ **CIGARETTE LIGHTER**, with a trans-

parent plastic reservoir through which the fuel level can be always noted, eliminates running out of fluid. Because of the material used, it is lighter in weight than metal lighters.

Science News Letter, January 22, 1949

⚙️ **ELECTRIC FAN**, for home and office use, is in a housing which is mounted on a horizontal axis in a heavy, molded-plastic, cabinet-type base as a cradle. This new mounting arrangement permits finger-tip directional control of the air flow from horizontal to vertical.

Science News Letter, January 22, 1949

⚙️ **SELF-RECORDING GAGE**, to measure the total impulse per unit area generated by pressure waves from underground explosions, is designed to be lowered into a well or drill hole or to be connected to a pressure chamber.

Science News Letter, January 22, 1949

⚙️ **EXPANDED-SCALE** voltmeter quickly and easily tests automobile batteries, giving readings in percentage rather than in specific gravity. Variations between cell readings indicate the battery is headed for trouble, the nearness of which is shown by the amount of variation.

Science News Letter, January 22, 1949

Do You Know?

Per capita use of *sugar* in the United States is nearly 100 pounds a year.

American *automobile* and other motor vehicles produced in 1948 are 76,000 less in number than the 5,358,000 built in 1929; greater production for 1949 is promised.

"*Sleeperettes*" are now available on some of the long-distance, over-night passenger airplanes; they are seats that stretch out nearly flat to permit comfortable sleeping.

Ultrasonic refers to sound waves too high-pitched to be audible by the human ear; *supersonic* refers to any speeds faster than that of sound, which is about 760 miles an hour at sea level.

Modified air is being used experimentally in refrigerator cars to aid in keeping fruit in good condition during shipment; it is modified by cutting its normal 21% oxygen content to 5% or by adding carbon dioxide.

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