

• New Machines and Gadgets •

⚙️ **HYPODERMIC** syringe, which does not require the use of a hollow needle, discharges the liquid to be injected under high pressure (approximately 400 pounds per square inch) through an orifice so minute that it is vaporized finely enough to pass through the skin without visible punctures.

Science News Letter, September 22, 1945

⚙️ **INFANT COTS**, particularly for maternity hospitals, are supported on legs equipped with casters, and have side clamps by which they may be easily attached together. Either one or several together may be rolled by one person to the bedsides of the mothers.

Science News Letter, September 22, 1945

⚙️ **ANTI-RATTLER** for windows, inserted only where needed, is a flat double piece of hard brass with a wedge-shaped end to push between sash and frame. The front piece of the two double pieces curves outward for convenience in handling, then inward so that its springy free end presses the sash.

Science News Letter, September 22, 1945

⚙️ **SEAT** attachment which may be applied to any ordinary crutch, has a clamp to hold it on the staff at the proper place. When opened, the seat, legs pivotally attached to the clamp, and crutch form a three-legged chair.

Science News Letter, September 22, 1945

⚙️ **BOW-TIE** vane on the tip of a bomb nose fuze controls the arming time which must elapse before the falling bomb can explode. In falling the vane, seen in the picture, revolves a predetermined number of times before it flies off releasing



safety blocks, and leaving the fuze armed ready for firing.

Science News Letter, September 22, 1945

⚙️ **MINIATURE** voltmeters, ammeters, milliammeters and microammeters, one inch in diameter and weighing 1¼ ounces, are hermetically sealed in rugged aluminum cases, and have high accuracy. They are usable in aircraft and portable equipment fields.

Science News Letter, September 22, 1945

⚙️ **SHARPENING** instrument, which resembles the ordinary "steel" for carving knives, has an elongated center section of metal with four deep longitudinal grooves that hold different abrasives of

varying coarseness. It is particularly suitable for sharpening hollow-ground carving knives.

Science News Letter, September 22, 1945

⚙️ **WOOD SCREW**, having a straight cylindrical shank of uniform diameter and sharp-faced knife-like threads of greater height than base on the shank, has maximum holding qualities when screwed crosswise or lengthwise of the grain of the wood. The threads have a steep pitch.

Science News Letter, September 22, 1945

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