

•New Machines and Gadgets•

⚙️ **SEAM MARKER** is a device for marking artificial stocking seams on human legs. An elastic band above the knee and one around the ankle holds two parallel guide rods carrying a slider and pencil.

Science News Letter, June 24, 1944

⚙️ **NON-SKID** coating for airplane floors and stairs, already tested in service, weighs about one-fifth as much as airplane rubber matting. It is largely of ground cork and a synthetic rubber. It is applied with a spray, and is claimed to meet all ordinary aircraft requirements.

Science News Letter, June 24, 1944

⚙️ **AUTOMATIC** electronic oven, used to pre-heat plastic materials to ready them for molding, uses the "pop-up" idea of the automatic bread toaster. At the end of the required interval an electronic control trips a latch on this cabinet-shaped oven, pops the lid open, and cuts off the heating current.

Science News Letter, June 24, 1944

⚙️ **ELECTRIC** vibrating cutting tool, portable and small enough to be held in one hand, cuts letters and lines on the hardest materials, including laboratory glass and porcelain. The cutting point, made of tungsten carbide or diamond, makes 120 vertical strokes per second.

Science News Letter, June 24, 1944

⚙️ **PORTABLE** electric sander, for smoothing and polishing wood, metal and plastic, is furnished with several sanding surfaces with different grades of abrasives which may be changed in



a jiffy. The sanding surface or pad of this device, pictured above, is flexible to conform to slightly curved surfaces.

Science News Letter, June 24, 1944

⚙️ **POUR CAPS** for bottles, just patented, are quickly attached to the tops so that contents may be poured without spilling. The cap, with a pouring spout, fits tightly over the top of the milk or other bottle, and an attached handle is held by spring clamps to the bottle's center.

Science News Letter, June 24, 1944

⚙️ **AUTOMOBILE** canvas hammock swings between the back of the driver's seat and a fixed stand in the rear of the baggage compartment. The back of the rear seat is turned upward out of the way. When not in use the canvas folds over the front seat. An injured person can be put in from the rear.

Science News Letter, June 24, 1944

⚙️ **PLATINUM WIRE**, so fine that only its shadow can be seen with the naked eye, is being used experimentally in a research laboratory. It is made by drawing out thin silver wire with a platinum core; then the silver is eaten away with nitric acid.

Science News Letter, June 24, 1944

⚙️ **HELIUM-SHIELDED** arc-welding electrode holder, for use in welding magnesium and other light metals, has a plastic handle, steel gas nozzle, copper electrode clamp, and a thumb button for controlling the gas supply. The helium shield protects the metals from oxidation.

Science News Letter, June 24, 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 218.

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