

• New Machines and Gadgets •

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⚙️ **FOOT MOP**, a recently patented device for the housewife to use in dry mopping or polishing floors, fits like a slipper on the shoeless foot and is manipulated by leg-power. The slipper part is made of cloth so that it can be washed, and the mop itself is so shaped that it can get into corners.

Science News Letter, December 8, 1951

⚙️ **COMBINATION TOOL**, recently patented, combines the features of a hammer, a pair of pliers and a wire-cutter. It can also be used for tightening a wire in a concrete form. It is designed for use in the construction of concrete forms but is suitable for many purposes.

Science News Letter, December 8, 1951

⚙️ **CHEMICAL PUMP**, to use on carboys and other large glass containers of corrosive liquids, is made of heavy Pyrex glass tubing and will handle almost all solvents, acids, alkalis and liquid organic materials. The pump prevents contamination because it is left in a container until the carboy is empty.

Science News Letter, December 8, 1951

⚙️ **HEX TENTS**, now in Korea ready for use to keep soldiers warm in sub-zero weather, are six-sided in shape and accommodate five men. Important feature is a white lining that provides insulation and reflects light better than the usual tent. It also prevents frost from falling on the occupants.

Science News Letter, December 8, 1951

Do You Know?

The herring family provides about 21% of the fish caught in the sea.

Lenses in eyeglasses for far-sighted persons are convex, or magnifying; for near-sighted persons a concave or reducing lens is used.

Fluorescent dyes, now used for coloring yarns and fabrics, are made of translucent substances that fluoresce, or glow, when hit by the invisible ultraviolet rays of daylight.

The dog population of the United States is approximately 22,000,000.

"Pigskin" is not a correct name for a football because nearly all footballs are made of cattlehide.

Brazil has plenty of titanium, mostly in the form of rutile which is 95% titanium oxide.



⚙️ **DUMPABLE ASH** tray, for use in an automobile, is held inside a hinged vent window, pivoted to a metal clasp that grips the vertical edge of the glass. To empty the tray while driving, one merely opens the vent window and tilts the tray outward

with a flick of a finger, as shown in the photograph.

Science News Letter, December 8, 1951

⚙️ **VIBRATION TEST** tower, used by an airplane company in the study of vibration effects on aircraft parts, stands 40 feet high, is 15 feet square and can shake objects weighing up to 3,000 pounds. It gives them up to 15 shakes a second with each motion up to five feet in length.

Science News Letter, December 8, 1951

⚙️ **TINY ASH** tray, to clip to the side of a saucer or plate on the dining table, is curved in shape, made of aluminum and held by a plastic framework with two prongs to grasp the edge of the chinaware. These inexpensive ash trays come in sets and in various colors.

Science News Letter, December 8, 1951

⚙️ **AIR RAID SIREN**, that can be heard over seven miles away under ordinary conditions, has a 140-horsepower engine and a blower that emits winds up to 375 miles per hour. A six-bladed rotary chopper interrupts the flow of air passing to six horns, thus creating the noise.

Science News Letter, December 8, 1951

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