

• New Machines and Gadgets •

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⚙️ **FIRE-RESISTANT YARN**, suitable for automobile seats and similar uses, is also self-extinguishing, and immune to oil, grease, and mild acids, it is claimed. It is also said to be fade-proof, colorfast, waterproof, and will not rot. Similar yarn for tablecloth is under development.

Science News Letter, December 27, 1947

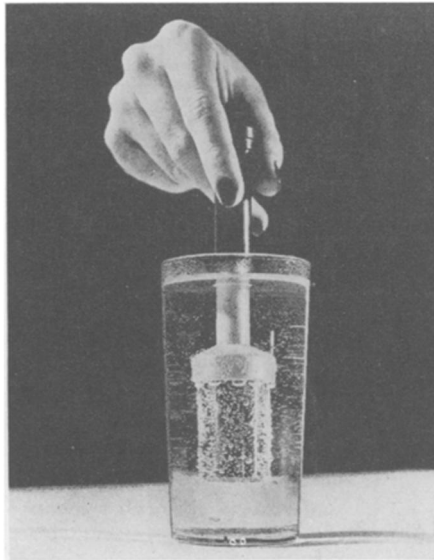
⚙️ **CRITICISM BOARD** for public speaking, recently patented, consists of a box in front of the speaker with electric signs visible to him which may be flashed on and off by a critic in the audience. The one-word signs include such expressions as posture, force, pitch, emphasis and gesture.

Science News Letter, December 27, 1947

⚙️ **X-RAY PHOTOMETER** is an electrical instrument capable of providing a continuous analysis of flowing streams of fluids and gases by measuring and comparing X-ray absorption of a sample and a standard. It gives an economical and rapid means of making chemical comparisons.

Science News Letter, December 27, 1947

⚙️ **HEATER AND STIRRER** is a small instrument to insert in a beverage, as shown in the picture, which contains a cartridge-like heating charge, and the stirrer. Spring action sets the chemical heat charge when the handle is pulled



back and released. Heating is without fumes or odor; refills are available.

Science News Letter, December 27, 1947

⚙️ **SAND SPREADER**, to distribute sand on slippery ice near the home, is a canvas container with a long pouring neck and convenient handles. It is sturdily constructed, holds 25 pounds of sand, and has a tie-string to keep the contents from leaking when the device is not in use.

Science News Letter, December 27, 1947

⚙️ **HUMIDITY INDICATOR** provides readings of relative humidity accurate

within one percent for general conditions. The instrument, with dry and wet bulb thermometers in one housing, has a simplified slide rule calculator on the front to give direct humidity readings.

Science News Letter, December 27, 1947

⚙️ **ELECTRIC DEVICE**, improved type for predicting with greater speed and accuracy the behavior, reactions and properties of chemical substances, is described as a calculator to compute molecular vibration frequencies. The device, called a potentiometric equation computer, is primarily for research laboratories.

Science News Letter, December 27, 1947

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