

• New Machines and Gadgets •

⊗ **ELECTRIC HEATER** for homes is a portable unit that in appearance resembles the ordinary steam radiator, but uses no water or steam. It heats the air drawn through it by convection. A handle bar across the top can be swung in front of the radiator and used for drying lingerie.

Science News Letter, December 7, 1946

⊗ **HAY BALER**, drawn and operated by a tractor, mechanically picks up the hay in a windrow, packs it, ties it, and delivers the finished bales over a runway to a truck trailer attached behind. Only two men are required with this labor-saving farm machine; one operates the tractor, the other piles the bales on the trailer.

Science News Letter, December 7, 1946

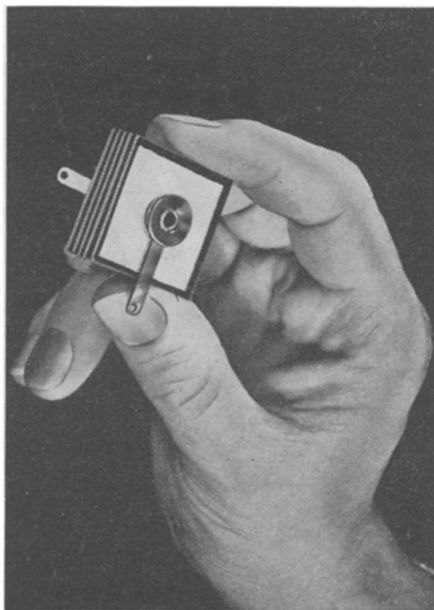
⊗ **FOOTBALL helmet**, made of plastic, combines lightness in weight with extreme toughness. This shock-absorbing protector consists of layers of canvas impregnated with phenolic resins.

Science News Letter, December 7, 1946

⊗ **TIRE** for farm tractor outpulls, outcleans and outlasts any other tractor tire heretofore produced, it is claimed. The ground grip of the tire embodies curved, triple-braced high-traction bars that provide unequal pressure, causing the tire to shed mud automatically as it rolls.

Science News Letter, December 7, 1946

⊗ **MIDGET** rectifier can replace a score of different rectifier-type tubes now used



in radio receivers. This selenium rectifier, of the metal plate type, can be used to charge a two-volt battery in a battery portable set, and also deformed electrolytic condensers.

Science News Letter, December 7, 1946

⊗ **AUTOMOBILE snowshoe** provides traction for cars and trucks stuck in snow, mud or icy spots. It is a short, foot-wide track made up of cross-pieces separated by pads and joined by cables. In use, a specially shaped end is stuck under the spinning wheel.

Science News Letter, December 7, 1946

⊗ **RADIOACTIVITY** probe is a portable battery-operated instrument, for general radioactivity surveys, with a meter and a four-foot cable for holding the Geiger-Mueller tube. The cable permits exploration in hard-to-get-at locations. A double-receiver headset is used for rapid surveying operations.

Science News Letter, December 7, 1946

⊗ **HARD-OF-HEARING** attachment is a standard part of a new radio that can be used also as an ordinary set with its loudspeaker. By means of a plug-in cord attached to a magnetic earpiece, a deaf person can regulate reception to his needs without disturbing the volume for others.

Science News Letter, December 7, 1946

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Question Box

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What are the largest petroleum-producing nations? p. 362.

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