

• New Machines and Gadgets •

⚙️ **BAKING** utensil for pies with no upper crust is a flat plate with a removable rim for use in baking the lower crust. This rim, recently patented, can be replaced after the crust is baked by a measuring rim so divided that pieces of desired size can be accurately cut.

Science News Letter, January 18, 1947

⚙️ **INSECT DEFLECTOR**, recently patented, to prevent bugs from squashing on automobile windshields, consists of concentric ridges built into the hood of the car that cause upward drafts to carry the insects over the top. The ridges give the hood a terraced effect.

Science News Letter, January 18, 1947

⚙️ **DUST COLLECTOR** for the home is an electrostatic air cleaner, refrigerator-sized, that relieves daily dusting by removing the particles from the air. The air is driven through an electrostatic field where the particles are electrically charged, then passes oppositely charged plates which pull aside the dust particles.

Science News Letter, January 18, 1947

⚙️ **STAINLESS-CLAD** steel bumpers for automobiles retain their high polish during the life of the car. The stainless-cladding is inseparably united to the mild steel backing, giving a product with excellent mechanical and rust-resistant properties.

Science News Letter, January 18, 1947

⚙️ **HAMMOCK PACK** for fruit utilizes two plicofilm-covered sheets of cardboard with circular holes for the fruit.



The film across the holes, when heated slightly, stretches to fit the fruit, shown in the picture.

Science News Letter, January 18, 1947

⚙️ **OUTBOARD** marine engine, used by the Japs for propelling heavy barges and pontoons for bridges, is an inverted affair; its four cylinders are below the crankshaft. This gives it a lower center of gravity, and makes it less conspicuous.

Science News Letter, January 18, 1947

⚙️ **RESERVATION** machine, in use in an airline ticket office, enables the agent to determine if space is available for any particular flight. When he presses but-

tons representing date and flight number, a master electronic control board in a central office automatically signals the answer.

Science News Letter, January 18, 1947

⚙️ **PLASTIC** keys for pianos, beginning to replace ivory from elephants' tusks, cost much less, are of uniform color, and have no joints to reopen because they are made in one piece. They do not crack or discolor under long usage.

Science News Letter, January 18, 1947

⚙️ **MOBILE** motion picture equipment, mounted in trucks, is used to entertain American soldiers at isolated posts. It has a new, speedy, dual-arc projector that gives clear 16-millimeter pictures.

Science News Letter, January 18, 1947

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