

• New Machines and Gadgets •

⚙️ **PORTABLE** barbecue for picnickers, the size of a suitcase when folded, is made of light, strong metal sheeting. When laid flat, the bottom, composed of two pieces, opens to form upright supports; the top, next to the grill, opens upward to shield the flame from wind.

Science News Letter, January 19, 1946

⚙️ **COMBINATION** plow to turn surface soil and loosen subsoil has additional small plows set a few inches below and behind the base of the regular or surface-turning implement. These crumble what farmers call the plowpan, or hard undersoil left untouched by the ordinary plow.

Science News Letter, January 19, 1946

⚙️ **ROTARY** knife, for cutting seed potatoes, after each cut passes through a bath of boiling water. The purpose of the sterilization is to control ring rot, a bacterial disease of potatoes often spread by a contaminated blade.

Science News Letter, January 19, 1946

⚙️ **ELECTRIC** fingernail file consists of a casing small enough to fit into the palm of the hand, in which is held a tiny electric motor with a grinding wheel on the forward end of the shaft. A depression and opening over the wheel lets the nail be placed against the revolving surface.

Science News Letter, January 19, 1946

⚙️ **GUNSIGHT** which projects an illusionary but definite bull's-eye pattern into the sky around the target, is



mounted on a modern shotgun in the position shown in the picture. The hunter, in aiming, glances through the gunsight's reflector plate to see that the projected ring and dot are on the target.

Science News Letter, January 19, 1946

⚙️ **NOVELTY** savings bank has a frame for holding a photograph on its front side. Coins are slipped into the bank through a slot in the top behind the frame, through which, also, a special

hook may be inserted to raise a lever to open the bank.

Science News Letter, January 19, 1946

⚙️ **DRILL-SHARPENING** device is a simple stand that holds a drill in an upright position with its cutting edge slightly above the sloping top surface of the head of the stand. The slope is at the angle to which the cutting edge is to be sharpened, and guides the file or whetstone sharpener.

Science News Letter, January 19, 1946

⚙️ **FAN ATTACHMENT** for plows, recently patented, is claimed to keep the farmer cool while plowing. Fastened on the plow handles at its upper end it has a small rotary fan driven by a belt from a tractor wheel rolling on the ground under the handles.

Science News Letter, January 19, 1946

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