

• New Machines and Gadgets •

⚙️ **FULCRUMED** fork is any garden fork with a recently patented attachable leg fastened under the handle relatively near its lower portion. This is to help in lifting the load after the fork has been pushed into the ground.

Science News Letter, July 28, 1945

⚙️ **ELECTRONIC** color detective, that scientifically selects paint which absorbs the least amount of light and heat of the sun, plots an exact curve of the amount of light reflected by a paint sample, detecting particularly invisible red rays. A shade of battleship gray that absorbs the least red was thus selected to aid in keeping the ship cool.

Science News Letter, July 28, 1945

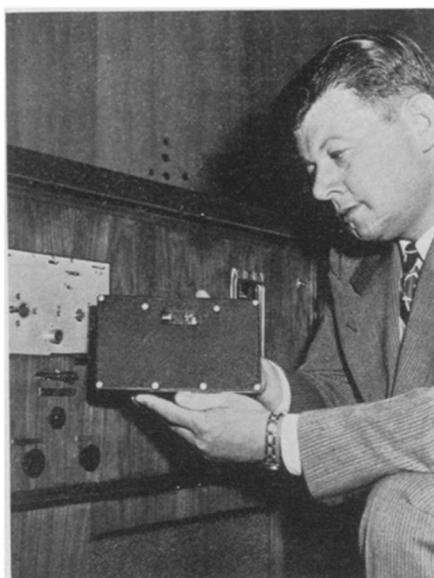
⚙️ **BURIAL CASKETS** made of plastics, sealed electrically, may soon be available under a recent patent. The plastic is the type that may be softened by heat. Electric heating elements, embedded in the body portion, form a tight joint with the cover when the house current is applied to them.

Science News Letter, July 28, 1945

⚙️ **LIFE PRESERVER**, improved type, is a vest-like garment that supports the wearer in the water in an upright position, but inclined slightly backward. The preserver, filled with a removable buoyant material, is reversible, fits snugly about the waist with a cord, and has a strap handle on the back to assist the rescuer.

Science News Letter, July 28, 1945

⚙️ **WIRE RECORDER** sets, attachable to home radio receivers, record music or



words from the air or from the microphone by moving a long thin wire across the poles of a magnet. When the wire is re-run across the magnet, the record is reproduced by the loudspeaker.

Science News Letter, July 28, 1945

⚙️ **COMBINATION SHOVEL**, pick and axe, has a handle with one threaded end on which the shovel blade may be screwed, and pivoted joints on the sides for the pick and axe opposite each other. When not in use, pick and axe are turned lengthwise with the handle. A special catch holds either in working position when desired.

Science News Letter, July 28, 1945

⚙️ **COMBINATION** ice and roller skate has the ordinary foot plate mounted on

single front and rear wheels. Around the rim of each wheel is a relatively narrower band of hard metal with sharpened outer edges for digging into the ice when the wheel is tilted sidewise in ice skating.

Science News Letter, July 28, 1945

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can carry 40 horsepower to any corner of the farm and then put it to work there.

The civilian jeep, like its Army prototype, can still "pull like a mule and climb like a goat," but its gear ratios and clutch area have been changed to fit its pace to the needs of farm life. It can operate as slow as three miles an hour in plowing, harrowing or seeding fields, it can speed up to 60 miles an hour as a passenger vehicle or a light pick-up truck, or it can run at an intermediate rate towing a trailer with a load of as much as 2½ tons.

Other changes include more comfortable seat cushions, larger headlights, redesigned steering gear, gear-shift lever on steering column, tail-gate on truck section.

Some of the dozens of farm tasks which the new jeep can perform are: mixing cement, plowing snow, filling silos, baling hay, spraying orchards, spray-painting or whitewashing buildings, stretching fence wire, spreading fertilizer.

Science News Letter, July 28, 1945

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