

• New Machines and Gadgets •

For sources of more information on new things described, send a self-addressed stamped envelope to SCIENCE NEWS LETTER, 1719 N St., N.W., Washington 6, D. C., and ask for Gadget Bulletin 673. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **WHEEL LIFT** for truck, bus and tractor drivers makes it easy to raise a bulky wheel to the jacked-up axle when changing a flat tire. The lift is made of heavy-duty steel, yet weighs only eight pounds. A lighter model has been designed for use with automobiles. Either model folds into a compact, easily stored package.

Science News Letter, May 9, 1953

⚙️ **INFRARED "BURNER,"** built into a new electric range, provides an even flow of heat by radiation to all areas of cooking utensils. The 1,550-watt infrared lamp is mounted in a metal reflector covered with glass. Both bulb and glass cover withstand extreme temperature changes without cracking.

Science News Letter, May 9, 1953

⚙️ **THERMOPLASTIC FOR** industrial plants filters up to 95% ultraviolet rays and 80% infrared rays out of sunlight, cutting air-conditioning costs in actual installations. The translucent, weather-resistant plastic comes either as a spray-on film, or a sheet plastic.

Science News Letter, May 9, 1953

⚙️ **HOME WORKSHOP** combines five major power tools into a unit, shown in the photograph, that can be tucked away in a garage corner. The unit features a circular saw, drill press, lathe, disc sander and



horizontal drill. The versatile tool permits the home craftsman to do 100 different things, among them: plug-cutting, fluting, angle sawing, rabbeting, dowel cutting and ceramic cutting.

Science News Letter, May 9, 1953

⚙️ **RUGGED SEWING** kit for patching heavy clothing, rag rugs, canvas, awnings and upholstery consists of a fid, five rust-resistant needles of different sizes, twine

wax and three balls of husky sewing twine. The kit is packaged in two clear plastic containers.

Science News Letter, May 9, 1953

⚙️ **PICTURE-HANGING KIT** keeps pictures from sagging crookedly after being hung. Four triangular foam rubber cushions stick to the corners of the picture frame's back. The cushions grip the wall to keep the picture level. They also are said to permit air to flow behind the picture, eliminating dusty areas on the wall behind the frame.

Science News Letter, May 9, 1953

⚙️ **COLLAPSIBLE MATTRESSES** of rubberized fabric, now in production for the Armed Forces, consist of two separate air chambers that can be blown up orally. For use near the front lines in Korea, the mattresses are designed to make the wounded serviceman more comfortable while receiving medical attention.

Science News Letter, May 9, 1953

⚙️ **MASONRY COATING** for home or office buildings helps to seal walls, even those made of cinder block, against moisture. Easy to apply, the polystyrene latex-based coating can be rolled or brushed on fresh plaster and dries to the touch in 30 minutes. It does not peel, chip or crack if the coated surfaces have been properly cleaned first.

Science News Letter, May 9, 1953

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Do You Know?

Water in fire-fighting foam puts out fires by a cooling effect.

In Korea, *helicopters* have rolled up a record of more than 21,000 casualty evacuations, including 5,000 who probably would have died had it not been for the speedy rescue.

Printed *electronic circuits* promise great savings in the production of future radios, television sets, hearing aids and other electronic devices.

In some instances where sufficient moisture and fertilizer are available, the yield of *sweet corn* will not be affected by keeping the cornfield weeded.

TV now is being applied in Britain to banking, sales instruction, film-making and atomic plants.

The Alaska *salmon* pack has declined in numbers for the past 10 years.