

• New Machines and Gadgets •

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⚙️ **ALUMINUM FOIL**, manufactured in 250-foot rolls in widths of 12 and 18 inches, is being marketed as a mulching material for home gardeners. The manufacturer reports it increased tomato yield 400% in one test, while decreasing certain types of insect and disease damage.

Science News Letter, May 29, 1954

⚙️ **KNUCKLE BANDAGE** is a first-aid "specific" dressing for injuries on knuckles, fingers and finger joints. The H-shaped bandage is quickly and easily applied, and permits free movement of the hurt part.

Science News Letter, May 29, 1954

⚙️ **PASTE SOLDER** is brushed on to the metal and heated, which can be done by oven, torch or iron. Made of tiny nugget-like particles of tin-lead, the paste will not harden in storage and yields a tight joint on iron, tin, zinc, copper, silver, nickel, galvanized finishes, brass, steel and some alloys.

Science News Letter, May 29, 1954

⚙️ **PAINT GELATIN** is a revolutionary ingredient for paint manufacturers. It makes the paint jelly-like so it does not settle or drip from the brush or run down the wall. Yet when brushed on, the paint flows at the proper consistency and thickness.

Science News Letter, May 29, 1954



⚙️ **FACE MASK** for tractor operators connects to the tractor's vacuum system and provides the wearer with a supply of filtered, cool air. The device, shown in the photograph, is designed to be comfortably worn all day without labored breathing. A moist sponge helps to cool the incoming air, and tests showed the air inside the mask was

83 degrees Fahrenheit one day while outside air temperature was 110.

Science News Letter, May 29, 1954

⚙️ **PLANNING SLIDE-RULE** for the home gardener shows the user when to expect to harvest crops planted on a certain day in any of 10 climates. By reversing the process, he can figure out when to plant crops or flowers if he wants to harvest them at a certain time. The circular slide rule is made of a sturdy, water-resistant cardboard.

Science News Letter, May 29, 1954

⚙️ **SUPERSTRENGTH CEMENT** is a "glue anything" waterproof adhesive ideal for model airplane builders, but useful for patching plastics, wood, leather, natural-fibered fabrics, wallboards, china, stone, tile, paper and many types of synthetic fabrics. In tests, two small pieces of wood that had been joined with it could later support an adult in a swing.

Science News Letter, May 29, 1954

⚙️ **LAZY SUSAN**-coffee table combination is done in blonde maple and stands on 15-inch "self-leveling" wooden legs. The legs are removable so that the Lazy Susan can be used on the dinner table. The top, revolving on ball bearings, resists food acids, stains, alcohol and even cigarette burns.

Science News Letter, May 29, 1954

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Do You Know?

The human eye is covered by a film of tear fluid all the time.

Research reveals that the incisor teeth of the *pocket gopher* grow at the rate of 46 inches a year, or nearly an inch a week, but his vigorous gnawing keeps them worn down.

Future mining processes may permit entire rock formations to be mined and treated, and a number of *metals* recovered at once.

Mental illness is the most costly disease known to man in terms of social and economic losses.

Ammonia burns have become a new farm hazard since anhydrous *ammonia* has been used as a fertilizer.

The width of the *noise* area covered by the four-motored, propeller-driven airliner is about two miles from each side of the flight path.