

• New Machines and Gadgets •

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⚙️ **SILICA COATING** for the insides of incandescent electric light bulbs improves appearance and reduces glare without sacrificing light output. Very fine silica is used and it is applied by a special process.

Science News Letter, September 3, 1949

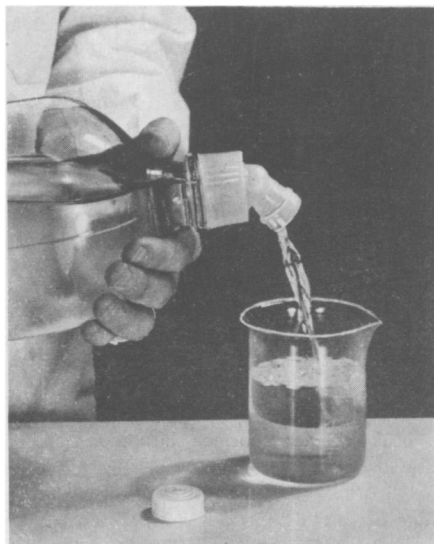
⚙️ **CONVEYOR** for loading and unloading trucks, and for the handling of packages within a shop, is made in 10-foot sections of aluminum or magnesium with rollers of a long-wearing plastic. The 10-foot sections which have a load capacity of 500 pounds, weigh only 31 pounds. Sections can be hooked together in a series.

Science News Letter, September 3, 1949

⚙️ **RIBBON SOLDER**, containing its own flux, is the width and thickness of ordinary binding tape and is featured by its low melting point. Heat can be applied to a bit of the material at a point to be soldered either with a common match or a soldering iron, resulting in a neat and strong joint.

Science News Letter, September 3, 1949

⚙️ **SAFETY POURING** spout, for use with five-pint acid bottles or one-gallon jugs, has an ingenious design which vents air into the container as the liquid is poured out, thus eliminating splashing, spilling, and "after-



drip." It is a simple device, as shown in the picture, and is made of a plastic resistant to most chemicals.

Science News Letter, September 3, 1949

⚙️ **ANTI-FRAY** liquid, easily applied to frayed fabrics by brush before cutting, has an advantage over earlier preparations for the same purpose in that it is non-inflam-

mable in the dried state, is fast-drying and neutral in color.

Science News Letter, September 3, 1949

⚙️ **TURN-TABLE** for any table television set, which permits viewing from any position without shifting the furniture or lifting the receiver, glides on nickel-plated ball bearings and allows even heavy sets to be turned easily. The steel turn-table ring has a base of wood and felt that protects any table surface from damage.

Science News Letter, September 3, 1949

⚙️ **RADIATION COUNTER**, for use in the nuclear field and in measuring radioactivity, combines the functions of a scaling unit, a radiation survey meter, a count rate meter and a contamination detector. The 24-pound portable instrument is about 12 by 10 by 8.5 inches in size.

Science News Letter, September 3, 1949

⚙️ **MAPS** that graphically simulate the colors and contours of the earth as the terrain appears from high altitudes are now provided for passengers by one of the trans-continental airline companies. With them the traveling public can identify all major landmarks below.

Science News Letter, September 3, 1949

Do You Know?

The average person, it is said, breathes in a pint of water a day.

More than 4,500,000,000 pounds of fish were brought into United States ports during 1948.

Artificial heating is required about eight months each year for a large percentage of the homes in the United States and Canada.

Plastic films that can be peeled off easily have been found useful as a primary barrier to protect permanent coatings and base materials from radioactivity.

The daily requirement of the average normal man is 3.5 pounds of food, four pounds of water and 34 pounds of air, a scientist recently stated.

Of the three principal components of food, carbohydrates are abundant; fats, while not present in large quantities, are still fairly plentiful; but the supply of protein is strictly limited.

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