

• New Machines and Gadgets •

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⚙️ **FIRE EXTINGUISHER**, designed especially for use in homes, is a slim steel cylinder containing carbon dioxide under pressure. When a nozzle on one end is turned by the hand, a cloud of dry-ice snow is discharged. The cylinder can be recharged.

Science News Letter, May 28, 1949

⚙️ **VENETIAN BLIND cleaner** is a frame or easel on which the blind is stretched with two hooks at the top from which it hangs. Blind slats can be reversed without removal from the frame, and the solid slats of the frame provide a back to press against.

Science News Letter, May 28, 1949

⚙️ **DRAPERY FIXTURE** for living room windows has extensions to widen the space covered by the drapes to make the window look larger, and is adjustable to hold the drape up to nearly six inches away from the wall, a boon for windows with Venetian blinds and radiators.

Science News Letter, May 28, 1949

⚙️ **COFFEE ROASTER**, with infra-red heating units, is automatic in operation and requires less than a minute to convert green coffee into roasted beans ready for the grinder. A push of a button drops a pound of the coffee into the baking chamber and out when roasted, the process being



visible to a customer as shown in the picture.

Science News Letter, May 28, 1949

⚙️ **ELECTRIC FURNACE**, an improved type for use in sintering powdered metals, brazing and light annealing, is a manual pusher type, designed for batch treatment on a straight-line three-zone system. The work moves through a pre-heating chamber,

high-temperature section, and a water-cooled, cooling zone.

Science News Letter, May 28, 1949

⚙️ **CHEMICALLY TREATED wrapping paper**, in which to wrap tools, engine parts and fine instruments to keep them from rusting, is ordinary kraft paper coated on one side with a special chemical preparation. After the article is wrapped, the chemical vaporizes inside the package, neutralizing the corrosive action of moisture in the air.

Science News Letter, May 28, 1949

⚙️ **FOOD BAGS**, for use in a deep freezer, are made of a polyethylene plastic which permits them to be used over and over again. They will not stick together or crack even in sub-zero temperatures, and can be cleaned with soap and water.

Science News Letter, May 28, 1949

⚙️ **LIQUID PLASTIC** permits home treatment of a straw hat so that it is uninjured in a rainstorm. The fast-drying, transparent, waterproofing liquid comes in handy spray dispenser, and is applied after trimming is removed. It can be used to protect leather handbags as well as hats.

Science News Letter, May 28, 1949

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Do You Know?

Freight locomotives use about a ton of coal for every seven miles.

Milk, like other agricultural products, is actually a product of the soil, the cow being the manufacturer.

In 1948, approximately 66% of the income from poultry raising in the United States was from eggs.

The fertilizer industry plays an important part in the daily life of all people; every mouthful of food consumed was dependent on some form of fertilization.

Two American helicopters have been sent to Italy for service in fighting the malaria-bearing mosquito and the dacus fly which destroys olive crops.

Radio heat is now used in industry in making rubber mattresses, automobile tires, plastic cabinets, and phonograph records, and in hardening metals.

Rheumatism is rated as America's number one chronic disease.

Norway is building air raid shelters, "Aftenposten" shelters to Norwegians, in mountain sides by blasting out rock.

California reaches 14,495 feet high at the top of Mount Whitney, and 208 feet below sea level in the Death Valley region.

The University of Pennsylvania and the University of Oslo, Norway, have united in a joint publication called "The American Spirit in Europe."

Alaskan sea lions have practically no economic value now although they sometimes provide food and clothing to Alaskan natives.

International communication by wire or radio calls for diplomatic relations; the cooperation of the nations controlling foreign terminals must be secured.

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