

• New Machines and Gadgets •

For addresses where you can get more information on the new things described here, send a three-cent stamp to SCIENCE NEWS LETTER, 1719 N ST., Washington 6, D. C. and ask for Gadget Bulletin 628. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **AUTOMOBILE TOY** for children is about the size of a portable phonograph and has a dashboard containing a steering wheel, horn, gear shift and starter. As the child "drives," a plastic car on top of the toy shows exactly what moves the driver has made. The electric device can be used as a game to teach Junior to obey traffic rules at an early age.

Science News Letter, June 28, 1952

⚙️ **FLOOR COATING** based on vinyl resins economically protects hardwood floors subject to heavy wear. The non-slippery substance provides good traction for athletes on gymnasium floors, but the floor can be sprinkled with corn meal or powdered wax to slicken it for dancing. Cigarettes dropped on the coating will not char the wood underneath.

Science News Letter, June 28, 1952

⚙️ **CEMENT SMOOTHER** made of durable pressed wood material lasts longer and does a better job than many handmade wooden cement-finishing floats. Equipped with a handle, the float requires no preliminary roughening of the working surface before use.

Science News Letter, June 28, 1952

⚙️ **BAR MAGNET**, non-electric, can retrieve rifles, shot-guns, pistols, knives and other metallic objects obscured from view in muddy river beds. Made of permanent magnets bolted to form a unit 1 inch thick, 3 1/8 inches wide and 24 inches long, the cadmium-plated assembly is handled by light ropes and has a long life in both fresh and salt water.

Science News Letter, June 28, 1952

Do You Know?

Insects destroy enough U. S. wheat in storage each year to fill the annual wheat needs of at least 16,000,000 persons.

Hay put up under favorable weather conditions without rain may contain 18% to 21% protein; the same hay, if damaged by rain, may contain only 11% protein.

A new tin-nickel combination that looks like chromium has been found to be a satisfactory electroplate for automobile parts, domestic metalware and electrical appliances.



⚙️ **CARBOY BOTTLES** for shipping poisonous or corrosive chemicals safely are blow-molded of a light-weight, polyethylene plastic as shown in the photograph. The containers are so rugged that the steel treads of a 10-ton bulldozer failed to damage

empty 13-gallon size bottles during tests. Available in sizes ranging from 13 gallons to one ounce, the vessels will not break if the fluid inside freezes.

Science News Letter, June 28, 1952

⚙️ **CLOSET LIGHT** burns automatically as soon as the door is opened and goes out when the door is closed. The assembly comes complete with a mounting bracket and nine feet of cord.

Science News Letter, June 28, 1952

⚙️ **FOLDING SEAT** is made of a steel frame covered with canvas and is hooked over bleachers, picnic table seats or other bench boards to provide a comfortable back support. The easily attached unit rolls into a small light-weight package when not in use.

Science News Letter, June 28, 1952

⚙️ **COMPOSING MACHINE** photoprims a variety of type styles and sizes on a 35 mm. paper film. The desired headline or body copy is dialed on the compact machine's letter selector, and negative disks for various styles and sizes produce the letters.

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6-28-52