

• New Ideas and Gadgets •

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⚙️ **WHEEL HOLDER** keeps a car from rolling when emergency repairs are being made on an incline such as a hill or driveway. Useful also when parking on a hill, the unit holds back more than 6,000 pounds. Its ramp construction uses the weight of the vehicle as a locking brake to prevent slipping. The device which weighs only a half pound can be easily stored in the car trunk.

• Science News, 89:176 March 12, 1966

⚙️ **INSECT DRAWER** made of kiln-dried sugar pine meets standard specifications. The drawer, finished on the outside with two coats of clear hard lacquer has a glass cover at the top and a white glazed composition pinning bottom, both sealed in. Weighing only five pounds, it is 19 x 16½ x 3 inches in size and can be conveniently carried with one hand. Its drawer pull also serves as a cardholder.

• Science News, 89:176 March 12, 1966

⚙️ **PAINT ROLLER HOLDER** makes removing a roller sleeve saturated with paint simple and with a minimum of mess for the do-it-yourself house painter. The holder, which fits standard sizes, ejects the sleeve with a press of a trigger. The problem of removing the sleeve by grasping and twisting, with resulting paint-covered hands, is eliminated. Easy to operate, it comes in 7- and 9-inch sizes.

• Science News, 89:176 March 12, 1966



⚙️ **FOAM CUSHION** for outdoor uses generates warmth by reflecting body heat. The cellular foam structure of the cushion causes it to absorb body heat and reflect it back to the body. Useful to sports spectators, campers, hunters, fishermen and in boats, the cushion folds compactly for storage. It is covered on top with colorful cotton, on the back with waterproof vinyl plastic.

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⚙️ **HIGH TACK ADHESIVE** for bonding trim, weatherstripping, sanding disks and other general shop uses forms a nonbrittle seal and is fast setting. Unaffected by gasoline, oil and ordinary lubricants, the material will withstand temperatures from minus 60 degrees F. to 450 degrees. It can be used on a wide variety of surfaces, and comes in handy 5¼-ounce tubes with a long applicator tip.

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⚙️ **DISPOSABLE BEAKER DISPENSER** that can be mounted on the laboratory wall keeps beakers dust-free and readily accessible. Two models, one constructed of metal with baked enamel finish and the other of transparent plastic are available. Each unit holds 100 five-ounce beakers and are bottom dispensing. Brackets for wall mounting are included.

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⚙️ **SMALL REFLECTOR LAMP**, 3¾ inches long and 2½ inches in diameter, is designed for use in stores and industrial plants. The lamp which has a silvered disk built into the neck of the bulb reflects the light outward reducing the amount of heat at the base of the filaments. Its small size helps solve lighting problems in areas that are hard to illuminate due to small space, bulky equipment or heat and glare.

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• Doctors Are Reading •

Hypnosis Successful in Childbirth

➤ **HYPNOSIS** radically reduced the pain and tension of childbirth for 78 women and did not require an unusual amount of the doctor's time and effort as had previously been feared, Dr. W. J. Schibly and G. A. Aanonsen, nurse, of St. Mary's Hospital, Green Bay, Wis., said in Medical Times, March 1966.

An experiment was undertaken at St. Mary's where 93 patients from a maternity home were admitted for delivery. Originally the intention was to use hypnosis only during labor to reduce tension and therefore pain.

However, on the basis of initial successes, the hospital decided to test a medical belief that childbirth under hypnosis is too time-consuming. All the women who participated during the year-long study did so voluntarily.

During their average two-month stay in the home prior to delivery, the women were given formal instruction in relaxation and self hypnosis. They were told the doctor would not appear until they were ready for delivery.

Hypnosis was so successful in eliminating pain that many of the women slept through the beginnings of labor. In addition labor was shortened by an estimated six hours.

Breast Cancer Follow-Up

Reduction of breast cancer deaths is the aim of a bold screening program of women between the ages of 40 and 64. Sixty thousand women in Greater New York are being examined.

Early detection alone cannot show the usefulness of the screening, however, an editorial in the Journal of the American Medical Association, 195:775, 1966, pointed out. The final test will be whether mortality from breast cancer is reduced, and for this a five- to 10-year follow-up is required.

In spite of research and treatment, there has been no significant reduction in the breast cancer mortality rate over the past 30 years, and this form of malignancy remains the leading cause of death from cancer among U.S. women.

The program for New York is reported in the same issue of JAMA by Dr. Philip Strax of the City Hospital Center, Elmhurst, Queens, N.Y., Dr. Louis Venet, New York Medical College and Beth Israel Medical Center, New York, and Sam Shapiro of the Health Insurance Plan of Greater New York.

Astronauts on Moon Face Colds

A warning that astronauts or cosmonauts landing on the moon may face the hazard of rapidly spreading colds was sounded in London.

Dr. D. C. Muir of the London School of Hygiene and Tropical Medicine, University of London, drew attention to this new aspect of manned lunar exploration in a report in Nature, 209:921, 1966.

He notes that particles of a size between one and eight microns "are important in the airborne spread of infection" because they include the bacteria carrying droplets produced by coughing or talking.

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