

• 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 468. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **READY-TO-USE PAINT** in self-spraying containers is applied without brush or mixing by opening a valve at the top. A complete line of paints and finishes perfected for the purpose is used in the pressure-packed containers which are of a size to be easily held in the hand.

Science News Letter, June 4, 1949

⚙️ **DEEP-BREATHE** exerciser, to increase lung capacity, is a breathing tube attached to a sturdy balloon. Lungs are filled to capacity and the air then exhaled into the balloon, within which it is held by a valve on the tube. The size of the expanded balloon, measured with a tape, indicates lung capacity.

Science News Letter, June 4, 1949

⚙️ **ROPE AND ACCESSORIES** to anchor baggage on the top of an automobile can be attached and removed in a minute or less, but holds the load securely in place, thanks to a special clasp and tightening device. Hooks grab the car over the doors, and the lever-operated clamp tightens the rope.

Science News Letter, June 4, 1949

⚙️ **CRIB OR PLAYPEN** whirl toy, shown in the picture, is made entirely of plastic, with transparent tubes connecting the two disks. Colored beads inside the tubes roll



from end to end as the toy is turned, with a fascinating shimmer, because the tubes, round on the outside, are hexagonal within.

Science News Letter, June 4, 1949

⚙️ **KNITTING BOX** of clear durable plastic has 24 adjustable compartments for rolls of yarn, with holes in their covers through which the yarn feeds as used. Spring hinges keep the box from flying

open, and an attractive carrying strap can be removed while knitting.

Science News Letter, June 4, 1949

⚙️ **PLASTIC BINDING** unit, for office use in binding sets of papers together, is a table model outfit easily operated, requiring little strength to punch and bind an average booklet. It consists of a compact punching machine, and a simple binding machine which opens the rings of the strong, plastic elements used while pages are inserted.

Science News Letter, June 4, 1949

⚙️ **LIQUID LEVEL** transmitter, for use in measuring the level of a liquid in open tanks, as well as in closed tanks under pressure or vacuum, is fixed in the bottom, or near the bottom of the tank, and operates by indicating and measuring the pressure or force of the liquid head against a diaphragm.

Science News Letter, June 4, 1949

⚙️ **SHIRT FRONTS** for tuxedo wearers are made of a white plastic from which gravy and other stains can be easily removed with a touch of soap on a damp cloth. They are soft and pliable and made in a line pique design, and can be rolled to take up less space in baggage.

Science News Letter, June 4, 1949

Do You Know?

One outcome of the recent uniting of Newfoundland with Canada is a *radio hookup* which permits Trans-Canadian service including Newfoundland.

New Orleans has to pump rainwater out of the city; much of the city lies below the high-water levels of the Mississippi river and Lake Pontchartrain, and is even below high-storm levels of the Gulf of Mexico.

Calcium chloride solution is used to spray the insides of freight cars transporting ores, and the ores themselves, to prevent the freezing of the material during transit in cold weather, a condition that would hamper unloading.

Beryllium poisoning may occur during the production of this metal from its ore, but perhaps more widely in the making of fluorescent lamps where beryllium compounds are used in the phosphor powder coating the tube of the lamp.

An extra fillip for every week . . .

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