

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

☛ **LONG-LASTING KNIFE blades**, guaranteed to need no sharpening for at least three years, are made of stainless steel by a high-temperature, deep-freezing process. The blades are first heated to a temperature below the melting point, quenched in oil, put in a chamber at low sub-zero temperatures, then tempered.

Science News Letter, September 17, 1949

☛ **INSULATING TAPE**, for electrical applications by vulcanizing, is made of glass fiber impregnated with a rubber-like dielectric on both sides. On one side of the tape, the rubber is completely cured but on the other is semi-cured only. When heat is applied the total becomes a solid mass.

Science News Letter, September 17, 1949

☛ **SLEEVE FORM**, for use in pressing coats without leaving a lengthwise crease in the sleeve, consists of two slightly curved pieces of wood to insert into the length of the sleeve. After insertion, the wood pieces are spread apart by an ingenious but simple wire separation and locking device.

Science News Letter, September 17, 1949

☛ **CHRISTMAS-TREE odor** is impregnated in a wrapping paper for Christmas packages, the aroma being of the fir balsam. The wrapping paper is available in various colors, and in many designs suitable for the Christmas season.

Science News Letter, September 17, 1949



☛ **CHROMATIC ACCORDION**, shown in the picture, is made of a styrene plastic and is suitable for beginners or accomplished musicians. With this low-cost instrument, beginners can perfect two-hand technique before advancing to the larger, professional-type accordion.

Science News Letter, September 17, 1949

☛ **SPEEDOMETER**, suitable for use on Army tanks and other heavy vehicles used

on roads where there may be a great deal of slippage between the tracks or tires and the road, is mounted on a trailing bicycle wheel which operates a generator, the voltage of which registers on a dial in miles-per-hour.

Science News Letter, September 17, 1949

☛ **TELESCOPIC RIFLE sight** can be changed in magnification by a quarter-turn of a knurled ring near the scope's eyepiece from two and one-fourth to four power. It can be readily shifted from one gun to another without altering focus or eye distance.

Science News Letter, September 17, 1949

☛ **WAXES** for home use, ranging from furniture or automobile to window slides, comes under pressure in a hermetically sealed can and is applied to a spray by man, woman or child, merely by pressing a trigger as with the well-known aerosol insecticide bomb. This long-lasting carnauba wax is "finished" by a light wiping.

Science News Letter, September 17, 1949

☛ **ELECTRIC WIRE**, with a number on every inch of its insulation to correspond with terminals, is designed to eliminate the need for various colored wires, and is for use in any electric control system using more than three wires. It makes for easy, error-proof installations.

Science News Letter, September 17, 1949

## Do You Know?

American *National Parks* are sanctuaries for over 65,000 hoofed animals, and for unestimated thousands of carnivores or flesh-eaters.

Metals possess *super-conductivity* if they offer practically no resistance to an electric current when cooled to some 450 degrees below zero Fahrenheit; 13 such metals are now known.

Ocean currents are said to be responsible for the fact that the *coconut palm* is found on widely separated lands; coastal palms often drop their well-protected fruit in the water and it drifts for many miles.

*Musk oxen* practically disappeared from Alaska over a century ago, being killed for food; a herd brought from Greenland to Alaska nearly 20 years ago is increasing satisfactorily in spite of their low breeding potentialities.

An extra fillip for every week . . .

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