

• New Machines and Gadgets •

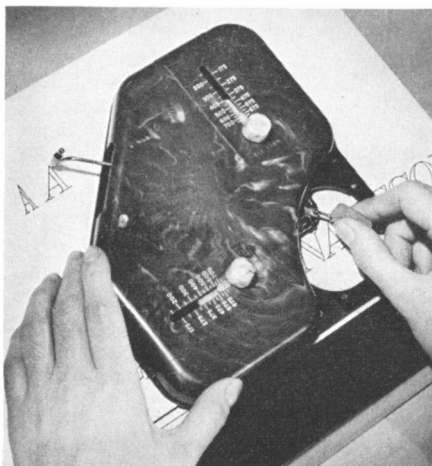
For addresses where you can get more information on the new things described here, send a three-cent stamp to SCIENCE NEWS LETTER, 1719 N St., Washington 6, D. C. and ask for Gadget Bulletin 559. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **OILING COMB**, recently patented, applies scalp and hair dressing in regulated amounts while the hair is being combed. The back of the comb is a tubular reservoir to hold the material, and dispersal is controlled by a simple pressure device.

⚙️ **NUT GATHERER**, for picking from the ground such nuts as pecans, is a rolling drum with spring loops on its surface which grasp the nuts as the machine is rolled over them. Fingers on this recently patented device release the nuts into a container.

⚙️ **FLUORESCENT LAMPS** for buses, which provide plenty of light for comfortable reading, operate on frequencies ranging from 80 to 500 cycles and employ a special circuit. They operate through this circuit from the motor coach alternator.

⚙️ **LETTERING** device, shown in the picture, enables the amateur to produce professional lettering. The seven-inch-square device slides along a straight-edge while an operator follows guide letters with a



stylus. An arm projecting from the opposite side reproduces them with variations desired.

⚙️ **ALCOMETER** is a device to determine the "alcoholic" condition of a supposedly drunken driver. The subject exhales through the device and alcohol in the breath reacts

with iodine pentoxide to form free iodine. The amount so formed indicates the percentage of alcohol in the blood.

⚙️ **GOOSE-QUILL** writing set, made of fine white glazed ceramics, includes a model of a goose standing on a base within which is the receptacle for the ink. It has a small opening in the front of the base through which the writing quill can be dipped or held when not in use.

⚙️ **ROUGH-SERVICE ELECTRIC** bulb, for use with extension cords in shops and in many other applications, is smaller and sturdier than its predecessor but provides more light. It is a 100-watt affair, developed for use in portable equipment and is made with either clear or inside frosted glass.

⚙️ **RUNNERS** for a baby carriage, which are permanently attached to the axles and may be used at any time to convert the wheeled vehicle to a sled, consist of skis with framework on inside and outside the wheels. This recently patented device, when over a wheel, has the appearance of an automobile fender.

Do You Know?

Milium is a cloth sprayed with a metal solution which helps prevent loss of heat from the body.

A chemical called *pentachlorophenol* is sometimes used in swabbing decks of U. S. Navy vessels because it is a wood preservative.

The plastic industry is being handicapped by a shortage of *benzol*, a by-product of the manufacture of coke for the steel industry.

About 200 *self-service* gasoline stations for motorists are in operation in the United States; they are forbidden by law or legal ruling in at least 14 states.

"Blooming fencerows" of multiflora *roses* are growing in favor in many parts of the country because, in addition to serving as fences, they provide a home for birds and beneficial wildlife.

Scouring powders contain cleaning substances which act chemically but the chief ingredient is abrasive material which loosens soiling film and dirt particles mechanically.

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