

• New Machines and Gadgets •

For sources of more information on new things described, send a self-addressed stamped envelope to SCIENCE NEWS LETTER, 1719 N St., N.W., Washington 6, D. C., and ask for Gadget Bulletin 686. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **FELT-TIPPED PENS**, which have marked many a highway map, now can be obtained to serve industry, offices, homes, stores and schools. Using a special water-proof, non-smudging, instant-drying ink, the pen has four standard felt nibs that draw lines up to $\frac{3}{8}$ inch wide.

Science News Letter, August 8, 1953

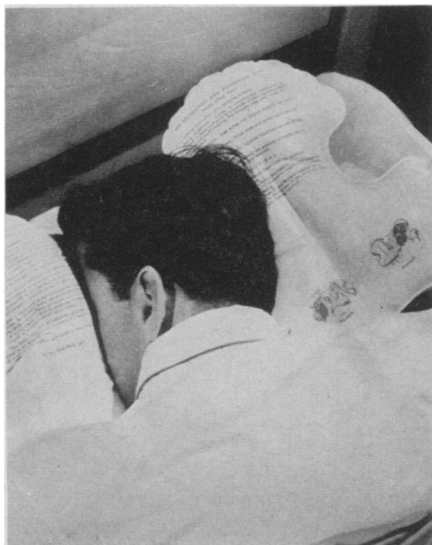
⚙️ **BASE FOR a model of an oil-drilling rig** presents a dramatic cross-section of underground formations in "black gold" country. Layers of rock are finished in seven colors that glow brilliantly under ultraviolet light. This hand-made model is somewhat expensive, but it is ideally suited for classroom use. It can be bought separately or in combination with the model drilling rig.

Science News Letter, August 8, 1953

⚙️ **TUBE SQUEEZER** is a keyed attachment for toothpaste, shaving cream and other collapsible tubes. Attached to the tube, the device rolls up the tube from end to mouth as the paste is used, often cutting waste by one-third.

Science News Letter, August 8, 1953

⚙️ **PILLOW THAT** is said to cool sleepers on hot summer nights is blown up like a



balloon and is partly filled with ordinary tap water. Made of a vinyl plastic, the pillow has breathing holes that let "stomach sleepers" bury their faces in comfort, as shown in the photograph. Water in the pillow does not have to be changed.

Science News Letter, August 8, 1953

⚙️ **PLASTIC RAINCOAT** comes with more than 100,000 tiny pores that let sticky air out, giving the wearer more comfort. Nearly microscopic in size, the holes do not make the raincoat more vulnerable to tearing.

Science News Letter, August 8, 1953

⚙️ **HEAT-RESISTANT GLOVES** are made in only one size, but come in several plys that resist heat from 500 to 800 degrees Fahrenheit. Manufactured from a soft flexible leather, impregnated with insulating and refractory materials, the gloves are pliable, comfortable and long-wearing.

Science News Letter, August 8, 1953

⚙️ **LETTER-FILING AID** consists of 26 alphabetically marked, spring-held leaves mounted to lie nearly flat on a base. Correspondence is quickly inserted between the small leaves for alphabetical sorting before filing.

Science News Letter, August 8, 1953

⚙️ **CORD PULLS** for venetian blinds eliminate the clatter of wooden pulls against the slats when gusts of air sweep through the window. Said to be almost completely noiseless, the plastic pulls will not break when stepped on or caught in the window.

Science News Letter, August 8, 1953

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8-8-3

Do You Know?

The sea scallop is one of New England's major fishery resources.

A "package" TV station for small communities is so built that one man can handle the entire station, including transmitter, slide and film projectors, audio and transcription facilities, and network programs.

Americans consumed three times as much chicken in 1952 as in 1940.

The protective dope covering used on the earliest fabric aircraft was sago, a starch often put in puddings.

Hydrazine is a clear, water-like liquid composed of nitrogen and hydrogen; the Germans put it to work during World War II as rocket fuel, although its existence had been known for 60 years.

If you live within 10 miles of the downtown area of a large city situated in a target area, you should build an *A-bomb shelter* for your family, the Federal Civil Defense Administration advises.