

• New Machines and Gadgets •

If you want 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 407. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **GREASE FILTER**, for installation in the canopy over a cooking range, is a conical steel screen that traps the grease vapors as they arise from the cooking, condenses them and lets the liquid drop into a cup. It prevents the grease from collecting in the flue where it is a serious fire hazard.

Science News Letter, March 27, 1948

⚙️ **LIGHTWEIGHT LAWNMOWER**, which looks like a carpet sweeper, has small rubber-tired wheels instead of heavy metal ones, and a light metal frame. It cuts a 17-inch swath, and can be used easily under overhanging shrubbery because of its special cover guard.

Science News Letter, March 27, 1948

⚙️ **SEALED BEAM headlamps** for locomotives are similar to those used on automobiles but contain two lamps that develop together 400,000 candlepower. The cover glass is all that ever needs cleaning because the filament, the highly accurate reflector and the clear cover glass are a single unit.

Science News Letter, March 27, 1948

⚙️ **PUMP-SCAFFOLD brackets** ease the job of repair work or painting inside or outside walls. One platform only is needed, together with two four-inch square uprights with a pump-bracket on each. The platform is raised or lowered by two workmen on it by manipulating the handles of the pumps.

Science News Letter, March 27, 1948

⚙️ **INSIDE-OUT MOTOR**, shown in the picture, has its rotating part on the outside and its stationary part on the inside, unlike ordinary electric motors. It



was designed especially for use inside a missile to cause it to spin at a rapid rate.

Science News Letter, March 27, 1948

⚙️ **NON-CURL CARBON paper** for typists has a vinylite plastic back coating, which improves moisture resistance and flexibility and adds to the strength of the tissue. The non-curl feature hastens handling by users in insertions and removals.

Science News Letter, March 27, 1948

⚙️ **TREE-PULLING apparatus**, recently patented, has a pair of jaws on arms to the rear of a truck which grasps the

tree trunk near the ground. A pulling cable, which passes over a pulley on an upright braced to the truck, is powered by an engine and winch on the vehicle.

Science News Letter, March 27, 1948

⚙️ **REFRIGERATING SYSTEM** for trucks engaged in hauling perishable foods operates on a 115-volt generating unit driven by a small gasoline engine while on the road, and is plugged into a municipal line when standing during stop-overs. The system is in an insulated case in the front section of the truck trailer.

Science News Letter, March 27, 1948

Soilless Gardening Hobby Kit For You



Contains everything needed to start growing vegetables and flowers. Pots are easily assembled, chemicals to feed growing plants, shiny mica material for roots to cling to, seven kinds of specially selected seeds. Grow seedless fruit, sprout roots on stems, experiment with colorful plastic tents for light-growth tests.

Question Box

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