

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

⚙️ **VACUUM device**, to bring painless death to unwanted household animals, has two pipe-connected chambers, one for the animals, the other for the vacuum. At the turn of a valve, air rushes from the occupied chamber to the vacuum, the evacuation causing instant death.

Science News Letter, August 18, 1951

⚙️ **FLOOR POLISHER**, an improved electric type, uses two rotating sturdy brushes, one for wax applying and one for polishing. The brushes rotate in opposite directions at high speed, and are recessed in the motor housing to give a low center of gravity.

Science News Letter, August 18, 1951

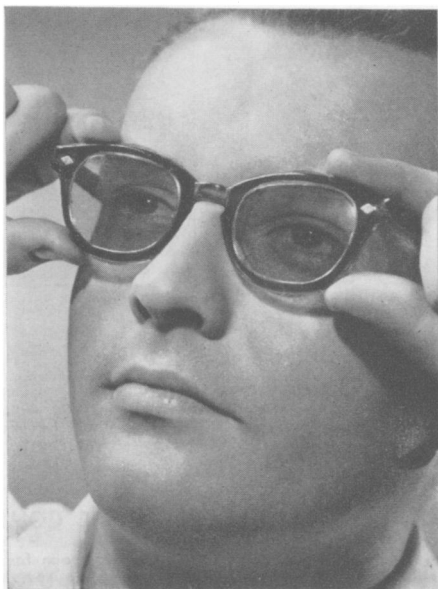
⚙️ **SWORDFISH-LIKE blade**, projecting forward from the earth-moving blade of the combination tractor and blade known as a bulldozer, is used to clear land covered with trees and will fell up to five acres of dense timber in a day. It will cut a 24-inch cottonwood with a single pass.

Science News Letter, August 18, 1951

⚙️ **LOADING apparatus**, for use with airplanes, is a portable outdoor elevator powered by electricity from the plane itself. When desired, it can be carried in the plane to advanced landing fields in combat areas. It is suitable to use in loading litter patients.

Science News Letter, August 18, 1951

⚙️ **SUNGLASSES** with double lenses shown in the picture give the wearer protection against glare under any situation. The front lenses are stationary in the plastic frame but the inner lenses, a polaroid type,



rotate with a touch of the finger. They can be set to give the brightness desired.

Science News Letter, August 18, 1951

⚙️ **GARBAGE unit**, for kitchen use, has a metal frame to fix to the wall to which is attached a disposable moisture-proof paper bag to hold the kitchen scrap. A tight-fitting cover holds odors in the bag, which when filled is put in the outside garbage can.

Science News Letter, August 18, 1951

⚙️ **PLASTIC mirrors**, unlike those of glass, do not shatter, are shock-resistant, and do not steam or cloud. They are about one-third as heavy as glass mirrors of the same size. Made of transparent plastic, they have a metallic reflecting surface deposited on them by a vacuum process.

Science News Letter, August 18, 1951

⚙️ **LUMINOUS dial** on the telephone makes it easy to find and use the household instrument in the dark. The light is provided by a phosphorescent plastic disk, which comes in two halves so that it is inserted between the dial rotary and the dial face of any standard dial telephone.

Science News Letter, August 18, 1951

Do You Know?

Astronomers do not know what is happening in the *universe* at the present time; they know what was happening many years ago when light from the stars started on the long trip to the earth.

Hybrid *sugar beets*, now under trial, yield an average of 1.5 tons per acre more than present commercial strains.

More *fertilizer* is needed on lawns with shade trees than on open lawns because the spreading roots of the trees use the plant food.

Cattle with the disease called listerellosis are apt to walk around in circles; it is a destructive brain disease caused by a tiny germ.

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