

• New Machines and Gadgets •

☼ **AUTOMOBILE** horns, with devices to control the intensity, emit a low warning sound in quiet neighborhoods and a loud sound when traveling at high speeds. A wind-driven generator, whose speed varies with the air intake, and a microphone sensitive to the intensity of the surrounding noises, form the basis of the device.

Science News Letter, July 29, 1944

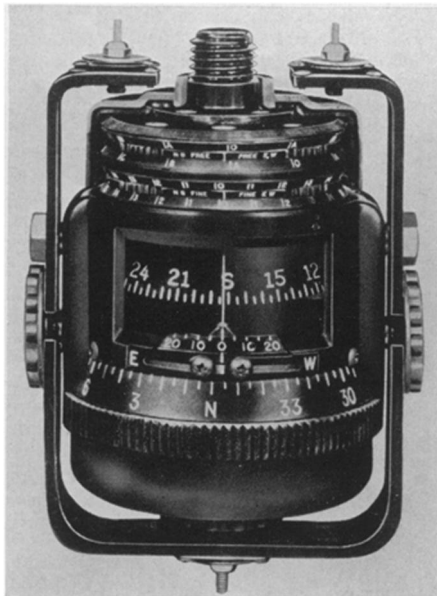
☼ **MOISTURE TELLER**, to determine the moisture content of granular, fibrous and crystalline substances, is a laboratory instrument designed to replace the drying oven. In it moderately heated air is forced through the weighed sample on a sample pan, drying it rapidly and uniformly.

Science News Letter, July 29, 1944

☼ **MONOGOGGLES**, which differ from ordinary factory goggles by having only one window, are made of clear transparent plastic pieces that extend across both eyes. The lens or window fits into a frame also of transparent plastic.

Science News Letter, July 29, 1944

☼ **MAGNETIC** compass used in American fighting tanks and armored vehicles, shown in the illustration, utilizes 58 plastic pieces to replace parts formerly made of brass, bronze and aluminum.



Humidity, temperature, and vibration requirements are met. Cobalt magnets are used.

Science News Letter, July 29, 1944

☼ **SIGHT DEVICE** for archery bows is a small tube attached rigidly to the bow above and parallel to the arrow by means of a flat plate. The plate is held by clamp screws with pointed ends. The sight may be adjusted either vertically or horizontally.

Science News Letter, July 29, 1944

☼ **RADIO** and other electrical equipment are sealed against harmful moisture by a new plastic called Fosterite that flows like water to fill every tiny space in the windings and coils. Electrical instruments treated with this material are uninjured, even if submerged in water.

Science News Letter, July 29, 1944

☼ **PORTABLE** signaling device to warn the hard-of-hearing when visitors approach, contains an electric bulb and battery in one housing and a push button device in another, the two being connected by electric wires. The housings are stuck with rubber suction cups on the two sides of the door, with the wires running around the edge.

Science News Letter, July 29, 1944

If you want more information on the new things described here, send a three-cent stamp to SCIENCE NEWS LETTER, 1719 N St., N. W., Washington 6, D. C., and ask for Gadget Bulletin 218.

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Question Box

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