

• New Machines and Gadgets •

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⚙️ **DOSIMETER** TO detect high energy radiation in places where radioactive materials are used, is a one-inch square of a supersensitive type of glass which contains appreciable quantities of dissolved silver. Worn by workers as a dog-tag, it is unchanged in ordinary light but reveals the extent of exposure under ultraviolet rays.

Science News Letter, January 5, 1952

⚙️ **MILITARY MAPS** from aerial photographs are accurately and quickly made with an improved type of plotter which projects a three-dimensional, measurable image on topographical map paper from a stereopair of photographs. A correction device built into it corrects aerial camera distortion.

Science News Letter, January 5, 1952

⚙️ **NAILING MACHINE**, an automatic pneumatic tool for nailing down sub-floors and roof sheathing, can drive about 100 nails per minute. It is a portable device, to move over the boards after they are put in position and is guided by the operator with a foot stirrup. Nails are merely dumped into a box container.

Science News Letter, January 5, 1952

⚙️ **HIGH VELOCITY** burner for fuel oils, which resembles a stove pipe, has within it a combination vaporizer, burner and a refractory-lined combustion chamber. Fuel and air entering one end are vaporized within the burner without any external vaporizing equipment. Complete combustion and high efficiency are claimed.

Science News Letter, January 5, 1952

Do You Know?

Examination of some 56,000 factory employees in England showed consistent superiority of the right eye over the left one.

Nylon nets, used in commercial fishing, can be stored away while still wet because they do not rot.

Steel one-tenth the thickness of a human hair has been developed for use in a secret electronic device.

Water buffalo are the best kind of meat cattle for the Amazon region, Brazilian experts have decided.

About 75% of the rice grown in the United States is raised in Arkansas, Louisiana and Texas.



⚙️ **MUSICAL PUP**, for the youngster, is an imitation cocker spaniel within which is a small wind-up music box that plays a number of childhood favorite tunes. The fabric covering of the pup, shown in the

photograph, its floppy ears and red nose are attractive to children.

Science News Letter, January 5, 1952

⚙️ **STEAM CLEANER**, a portable type to remove grease and dirt from machinery and floors, will work on any steam supply from 60 to 150 pounds pressure and will produce from 45 to 90 gallons of boiling hot chemical spray per hour.

Science News Letter, January 5, 1952

⚙️ **SAFETY HARNESS** for airplane passengers, combining the holding effects of seat belts and shoulder straps, is simple and easy to get into and out of and has but a single clasp to fasten. This improved, recently patented harness can be used as a seat belt alone if desired.

Science News Letter, January 5, 1952

⚙️ **MOVABLE HANDRAIL** for stairways runs like the familiar type used on escalators. Recently patented, this endless handrail is designed to help persons climb the stairs. Relatively inexpensive and suitable for home installations it is placed either in the center or on the side of a stairway.

Science News Letter, January 5, 1952

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