

# • New Machines and Gadgets •

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⚙️ **WINDOW WASHER'S seat**, which has just received a government patent, fits firmly over the window sill facing inward, with supporting straps from its rear to hooks half-way up on the outside of the window frame. A hinged backrest adds to the comfort of the user.

Science News Letter, October 11, 1947

⚙️ **DUAL PROJECTOR** for motion pictures, similar to those already in use except in dual construction, has two film trap members, two lens mounts, and two intermittent movements mounted one above the other, with the movements operating 180 degrees out of phase with each other. It gives continuous screen illumination.

Science News Letter, October 11, 1947

⚙️ **THYRATRON TUBE**, a vacuum tube used in electronics somewhat similar to radio tubes, operates both as a rectifier to change alternating to direct current and as an instantaneous electrical circuit breaker. The unique grid used in it allows normal rated current flow, yet blocks sudden destructive heavy overloads.

Science News Letter, October 11, 1947

⚙️ **BINDER GUIDE** for Singer sewing machines is an easy-to-use attachment that relieves the housewife from guiding the binder by hand. The device, shown in the picture, makes it easy to apply



two different widths of binding at the same time in one simple operation.

Science News Letter, October 11, 1947

⚙️ **ELECTRIC MOTORS** so small that two of them can be held in a thimble, manufactured in England, are expected to revolutionize many industries ranging from toy-making to electric razors. They employ an electromagnetic principle hitherto unknown in electric motor design.

Science News Letter, October 11, 1947

⚙️ **SYNTHETIC RUBBER washer** forms a waterproof seal between the heads of nails and the aluminum or other metal sheeting or roofing used as outside cover on a building. Neoprene was selected for this washer because it resists all forms of weathering, heat, sunlight, ice and rain.

Science News Letter, October 11, 1947

⚙️ **SUGAR DISPENSER** for table use, recently patented, is an inverted container with rounded top and a removable base from which a glass tube extends upright in the center. Holes in the tube permit a fixed amount of sugar to pour inside it when the device is upended. When righted, the sugar pours out the lower open end of the tube.

Science News Letter, October 11, 1947

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