New Machines and Gadgets.

& WINDOW SCREENS, made of an open-mesh fabric comprising yarns and threads of high-tenacity cellulose acetate material, are flexible and durable. They are woven into any desired pattern, and water-proofed.

Science News Letter, August 26, 1944

WRAPPING TAPE, for bundles or for holding dressings on body wounds, is a continuous strip of non-adhesive fabric which has at regular intervals adhesive sections folded back on themselves. In application as the tape is pulled these folded-back sections straighten out and stick.

Science News Letter, August 26, 1944

State ELECTRICALLY heated tank for melting, heating and dipping ethyl cellulose plastics, newly developed, uses an agitated hot oil bath that completely surrounds the material underneath, above and around it. Automatic control holds the oil at desired temperature.

Science News Letter, August 26, 1944

PIVOT-TYPE ball bearings for precision equipment are now made with outside diameter as little as two millimeters. Each bearing has a cup and four balls made of beryllium, or stainless or chrome steel, and a retaining cap with an opening for the pointed bearing shaft.

Science News Letter, August 26, 1944

ELECTRIC junction boxes, made of transparent molded plastic, are light in



weight, safe, and permit inspection without opening. Flat plates, either plastic or metal, are used as bases for the attachment of all wiring. A typical box is shown in the picture.

Science News Letter, August 26, 1944

MAGNET BRAKE, recently developed, will stop a one-eighth horsepower motor making 16,000 revolutions per minute in less than six turns, it is claimed. A cork shoe and friction actually do the stopping. Magnetism releases the brake, which remains set until an electric current is applied to it. Science News Letter, August 26, 1944

POLAROID WINDOWS in postwar airliners will protect the eyes of passengers from sun glare. Circular windows will consist of two panes of glass, one over the other, and both with parallel lines of crystals running through them which block the transmission of light. Rotating one pane varies the light intensity.
Science News Letter, August 26, 1944

MPROVED TUNGSTEN filament for infra-red lamps burns at a lower color temperature, it is claimed, and reduces the spectral glow. The shape of the filament eliminates cold spots and assists focussing.
Science News Letter, August 26, 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 Bulle-

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Question Box

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