

•New Machines And Gadgets•

⚙️ **STOWAWAY BED**, in reality merely a mattress and pillow in one piece, is made of a cotton fabric impregnated with a synthetic rubber compound, and is filled with air when used. When inflated and laid on the floor, it is a comfortable cot; deflated, it takes less space than a blanket.

Science News Letter, June 29, 1946

⚙️ **"WHIPS" TRAILING** from the wings and tail of airplanes discharge the static electricity created by all-metal planes, that interferes with radio reception. The whips are 10-inch cotton ropes impregnated with a silver compound which gives electrical conductivity. Plastic tubes enclose nearly nine inches of the ropes.

Science News Letter, June 29, 1946

⚙️ **IMAGE CORRECTING** lens, together with a reflecting glass mirror, enlarges the television picture on a five-inch cathode-ray tube to fill a screen 18 by 24 inches in size. Wave-like curves in the lens compensate for spherical aberrations introduced into the pictures by the reflecting mirror.

Science News Letter, June 29, 1946

⚙️ **ANTENNA** for FM (frequency modulation) broadcasting is called the "clover-leaf" because its radiating units are in the shape of a four-leaf clover. The antenna is made up of two or more vertically stacked radiating units, spaced a half-wave length apart.

Science News Letter, June 29, 1946

⚙️ **COILED CORD** for ironing, shown in the picture, has covering of the synthetic rubber, neoprene, which resists



abrasion, tearing and heat from the iron if touched momentarily. The springy cord will stretch six times its retracted length.

Science News Letter, June 29, 1946

⚙️ **TRANSPARENT** envelope, made in various sizes for cards, shop work orders, maps, blueprints and record sheets, has plastic faces bound with leatherette edges. The plastic is flame- and moisture-proof and is uninjured by heat or oil.

Science News Letter, June 29, 1946

⚙️ **DRAFTING** instrument molded in two parts of a transparent yellow plastic, is a combination graduated square, with

a removable miter arm pivoted in the center of a circular projection at the outer angle of the square. Back edges of the legs of the square have French curves.

Science News Letter, June 29, 1946

⚙️ **PAGE-TURNING** device for invalids has a rotating drum with a thread attached on which are tied metal clips at double book-width intervals. The thread, passed over the book and clips fixed in order to succeeding pages, pulls one page over at a time as the drum rotates. Rotation is controlled by a chin-operated electric switch.

Science News Letter, June 29, 1946

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Question Box

ARCHAEOLOGY

What troubles did early Indians have which were similar to ours? p. 406.

ASTRONOMY

Mercury has appeared how many times this year? p. 407.

BIOCHEMISTRY

Radioactive iron tracer experiments prove hemoglobin is manufactured by what body process? p. 405.

CHEMISTRY

What method recently developed may be used to discover causes of diseases and many other chemical and biological processes? p. 411.

What method was used in the invention of two new sugars? p. 403.

What oil emulsifying agent developed during the war keeps lint, dust and bacteria from spreading? p. 409.

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RADIO

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What electronic device will now be used to chart the earth's surface? p. 410.

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