

• New Machines and Gadgets •

⚙️ **SLEEPING BAG**, recently patented, has a projection at the head end that can be turned back over the sleeper's head and held by two rods in a sloping position to protect him from rain. A netting, inserted in the side of the bag over the user's face, permits fresh air to enter and keeps mosquitoes out.

Science News Letter, March 17, 1945

⚙️ **COMBINED PRESS** for forming plastic articles and an electronic heating unit is in successful operation and is effecting great economies in production time. The plastic articles are quickly molded into shape, and the curing process by high-frequency electric current is a proven success on small parts.

Science News Letter, March 17, 1945

⚙️ **MUD SHOES** for boggy land have center flat strips of wood strapped to the feet like skates, and hinged side and toe pieces held horizontally by springs. When pulling the foot out of mud these hinged pieces turn downward, narrowing the tread in a manner somewhat similar to the action of a cow's cloven hoof.

Science News Letter, March 17, 1945

⚙️ **NON-COLLAPSIBLE** golf bag, which does not tend to drop from the clubs when leaned against an object, is made of a light fabric, with rigid rings at the top and bottom connected by a slat. It has individual pockets for each club, made of crimped material to hold the clubs in place.

Science News Letter, March 17, 1945

⚙️ **ELASTIC BANDAGE**, for minor ailments that require support without rigidity, is made of a fabric interwoven with a



vinyl resin yarn that possesses natural elasticity. The picture shows how it is applied. The fabric in use is said to be durable, to retain its elasticity, to be flexible, and to permit circulation and ventilation.

Science News Letter, March 17, 1945

⚙️ **PURIFIED WATER**, claimed to be the equivalent of distilled water, is obtained by filtration in a special apparatus in which the water is passed through beds of melamine-derived and other resins. They are reported to transform the dissolved salts in the water to corresponding acids and absorb the acids.

Science News Letter, March 17, 1945

⚙️ **INTERNAL COMBUSTION** engine, patented, has no pistons, valves, timing or other conventional parts. Combustion takes place within tubes embedded spirally in a cast rotor. The high velocity of the combustion, traveling to the exhausts, strikes curving spiral walls, thus spinning the rotor.

Science News Letter, March 17, 1945

⚙️ **CUT-OUTS** of colored flowers and other designs, to be used for decorating furniture, walls, trays and other household articles are made, like a postage stamp, with a dry paste on their backs. When dipped in water, applied and dried, they remain in place and are fadeproof and washable.

Science News Letter, March 17, 1945

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