

• New Machines and Gadgets •

☛ **ASH TRAYS**, which may be carried about in the pocket, clamp tightly when closed to prevent spilling the contents. A cover on this newly patented flat, rectangular container is hinged along one side, and when opened reveals a hook, pivotally attached, by which the tray may be suspended.

Science News Letter, May 6, 1944

☛ **KEY CASE**, for carrying keys in the pocket, resembles an ordinary jack knife. Each key in this patented device is pivotally attached to a sliding shank which is pulled out of a slot in the end of the case.

Science News Letter, May 6, 1944

☛ **INEXPENSIVE** tire tool to remove pneumatic tires from drop-center rims, recently patented, consists of two separate metal rods with flattened ends, one of which is bent into a hook. The flat piece is inserted first, then the hooked rod goes between it and the rim. The curve of the hook acts as a fulcrum to loosen the tire.

Science News Letter, May 6, 1944

☛ **LIQUID-FILLED** wrist compasses for American soldiers, accurate and reliable, have been developed by the Army from a foreign-made liquid-filled compass not suitable for combat use. The needle of this compass, shown in the picture, remains on the magnetic north even when the wearer is joggling on horseback.

Science News Letter, May 6, 1944



☛ **INSULATING** material made of buckwheat hulls, wrapped around dry ice, results in better temperature control for the refrigeration of highly perishable foods. Fish fillets protected by this new packaging method remain in perfect condition for four days without freezing or loss of flavor.

Science News Letter, May 6, 1944

☛ **VENTILATED** masks, now worn by welders in some war industries, protect them from sickness due to welding fumes. Compressed air unit fitted inside the mask directs fresh air outward over the wearer's face.

Science News Letter, May 6, 1944

☛ **REFLECTORS** rotating on bicycle wheels warn automobile drivers at night that bicycle riders are crossing ahead. A recently patented reflecting surface may quickly be attached by hand to the spokes.

Science News Letter, May 6, 1944

☛ **GLASS RING** jewels, developed for use in precision instruments because of the shortage of foreign-made sapphire bearings, are made in various sizes no bigger than the head of a pin. They are claimed to be superior to sapphire in many respects.

Science News Letter, May 6, 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 Bulletin 206.

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