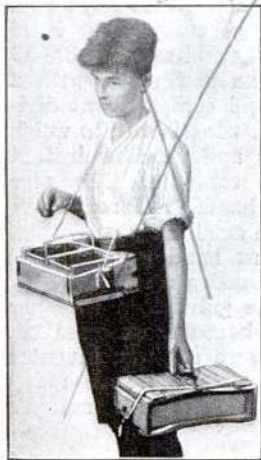


Convenient Tray Designed for Berry Picking

A NEW berry tray, designed to permit the use of both hands in picking the vines or bushes, has been invented by George H. Owen, of Addison, N. Y.



Both hands are left free for picking

The device has an arched side resting against the picker's body and an inner section, removable by a handle, into which two berry boxes fit.

The entire device is supported by a cord about the neck and shoulders of the berry-picker. The handled inner section may be lifted out when filled and

replaced with one containing two empty boxes. The invention is said to be comfortable to carry.

Two-Piece Tire Rim Said to Eliminate Bolts

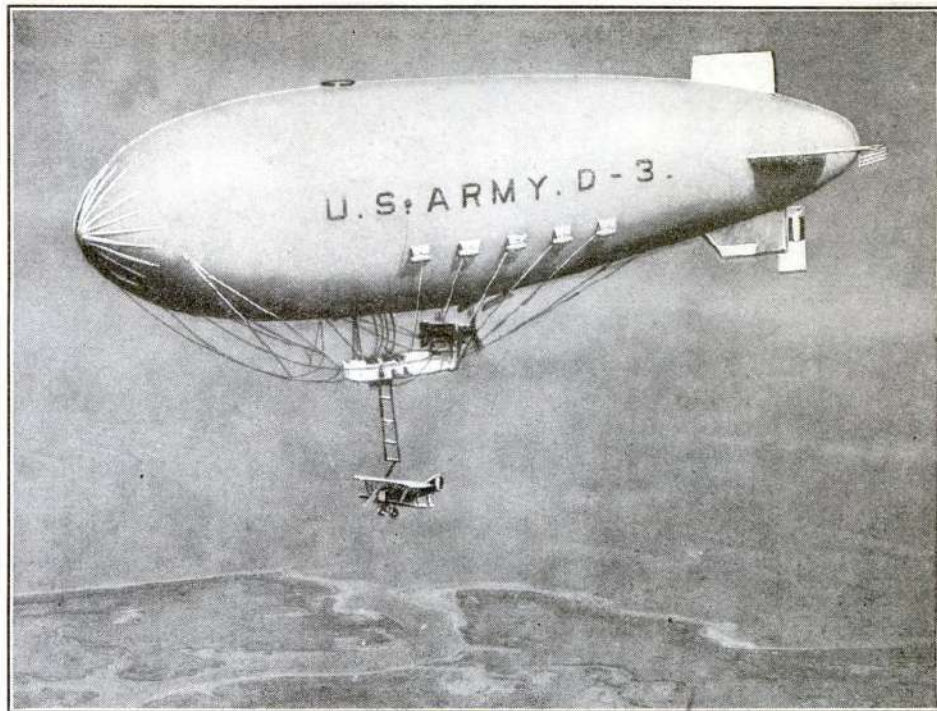
A TWO-PIECE tire rim, said to eliminate bolts, screws, lugs, and rivets, is one of the latest contributions to the convenience of motorists.

The main rim has a recess extending halfway around the circumference, into which a tire locking piece fits. The locking rim is slipped between the outer face of the main rim and the bead of the tire. Both beads of the tire rest on it.

Recesses are set in the outer edge of the main rim, and corresponding lugs are on the locking section. These lugs seat themselves in the pockets when the locking section is pushed into place, holding the tire securely.



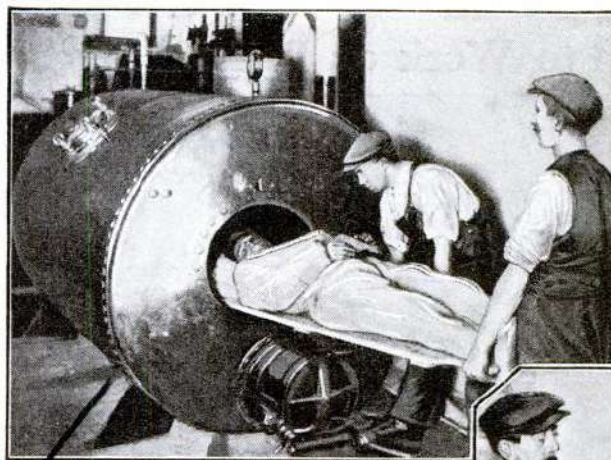
Fastening the tire with locking rim



Airplane "Hooks a Ride" on Army Dirigible

WHEN an airplane, flying 60 miles an hour, caught with a hook the lowest rung of a wire ladder suspended from the army dirigible D-3 at Langley Field, Va., recently, the dream of a dirigible carrying fighting planes became reality.

Such a mother ship could carry planes as a defense, or for an aerial attack. The use of suspended rings on the dirigibles, instead of ladders, has been proposed. The dirigible would carry supplies for the planes and furnish quarters for their men.



At the left: Demonstrating the use of a compression chamber, into which a diver who has come up too quickly from a great depth is placed to prevent the dread caisson disease

Below: A student diver donning a diving helmet for a plunge into the training tank at London, Eng.

Deep-Sea Divers Go to School in a Tank

HUNDREDS of divers employed since the war in deep-sea salvaging operations have been trained scientifically in an enormous tank built by a firm of salvagers in London to duplicate actual conditions encountered under water. In this tank they are given a complete course that is said to fit them for any diving feat they may be called upon to perform.

The equipment of the training school includes a compression chamber. Sometimes divers coming up too quickly from great depths are attacked by a type of paralysis called "caisson disease," or the "bends." This often proves fatal unless instantly treated.

The afflicted man is put into a compression chamber under a pressure equal to that of the lowest depth to which he has been just before the attack. The pressure then is decreased gradually.

