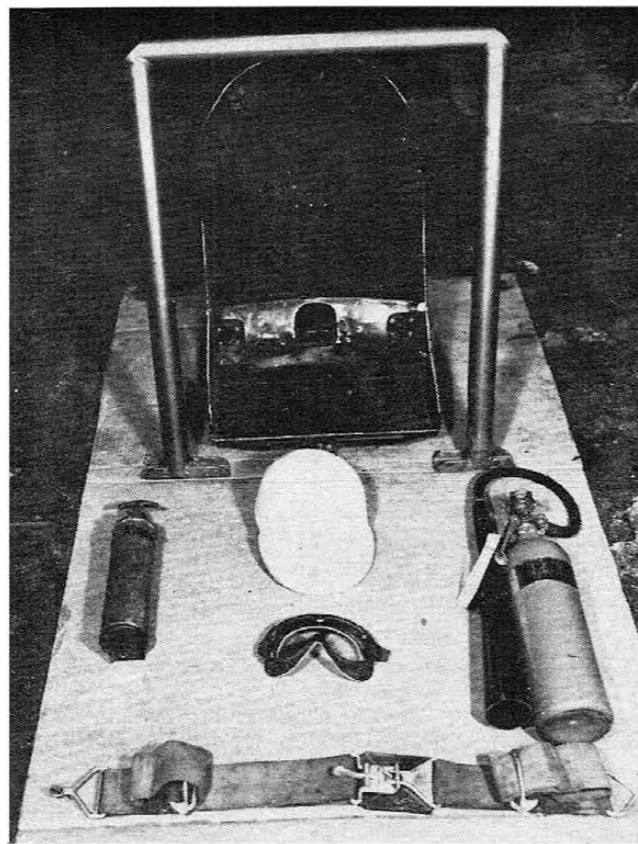
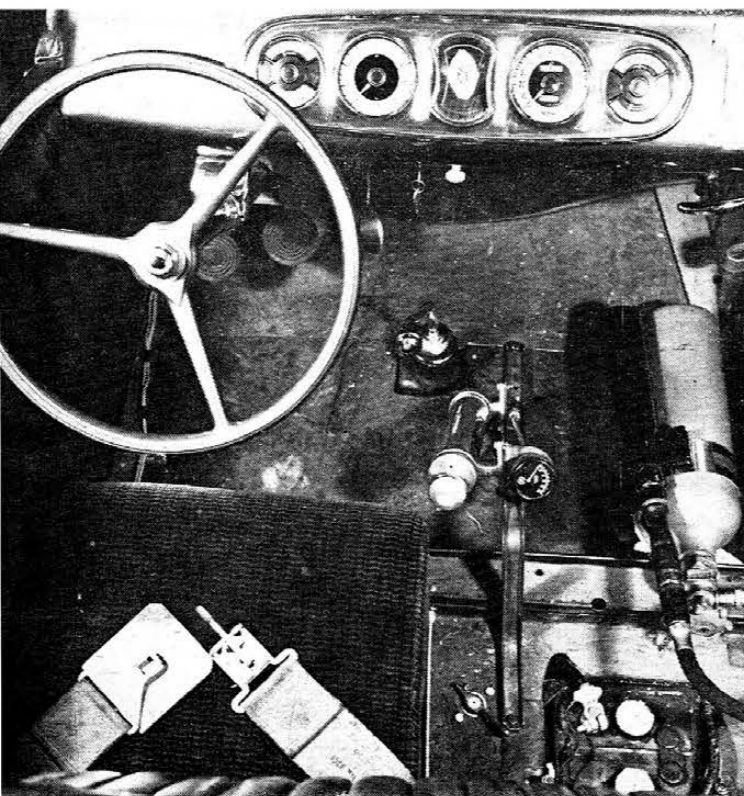


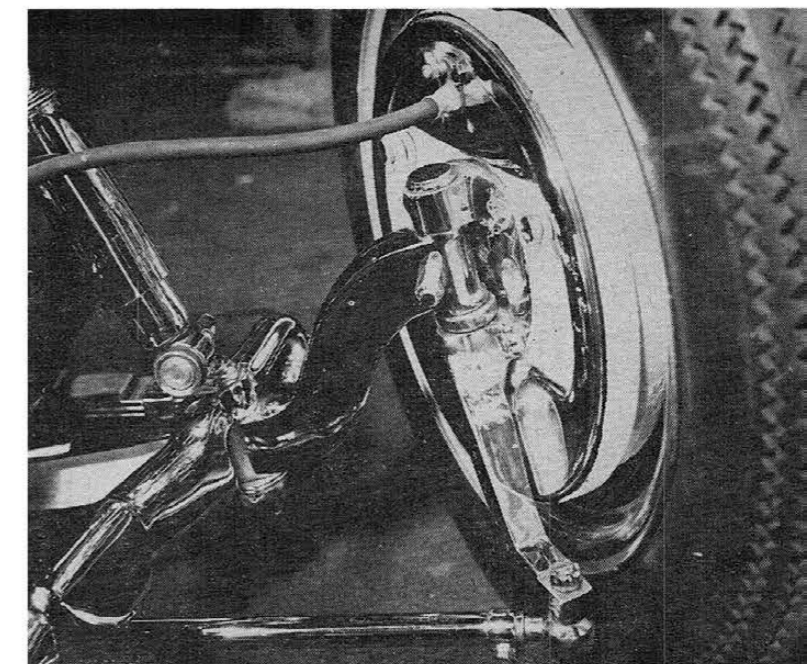
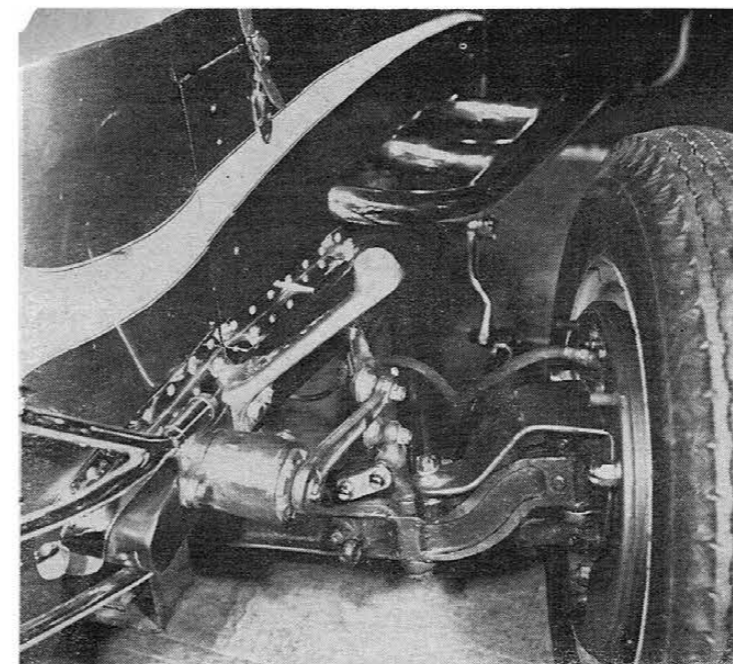
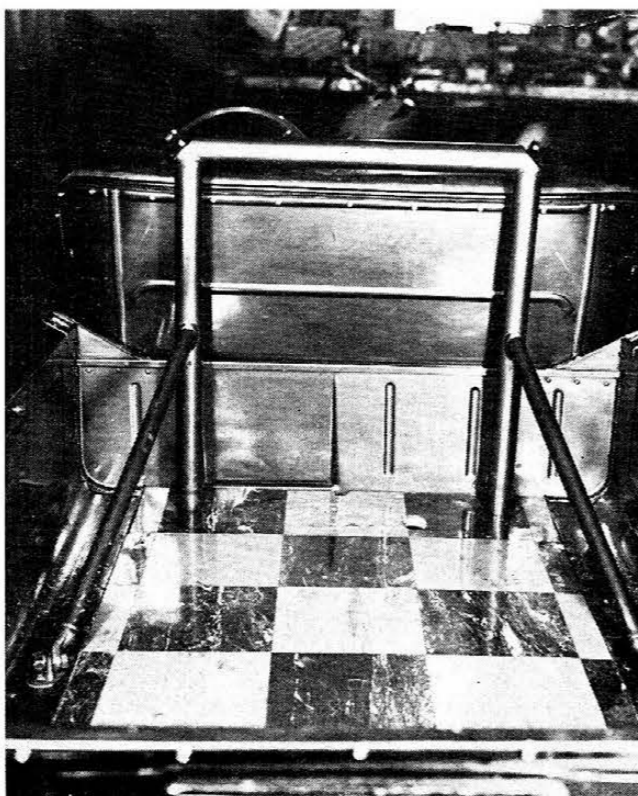
Handmade race-type seat is constructed from sheet metal and one-inch steel tubing for frame. On either side can be seen roll bar supports, while the essential safety belt is included, to meet rules of sports events which are strict in this respect

Cockpit view shows typical safe arrangement. Fuel shutoff valve is to right of driver's seat on the floor, while large fire extinguisher is handy and can be grabbed in an instant during a sudden emergency by driver or an outsider



This layout shows the basic items needed: Starting from the rear: aircraft-type bucket seat, roll bar, fire extinguishers, goggles and safety belt. Secure seating of driver not only keeps him in car but permits better control at speed in turns

Roll bar, installed in a T-bodied pickup, is an example of proper installation for the protection of the driver. The material used is heavy gauge chrome-moly tubing which is securely bolted to frame of the car for maximum strength



Two examples of modified axles are shown above. While special axle contributes to safety, the pretty one at the right has been welded in spots which makes it a bad risk. Exhaust system in car at left takes hot gases immediately out of the car and into the open air

SPEED WITH SAFETY

PHOTOGRAPHED BY BILL DAILEY

WHEN preparing an automobile for all-out competition or simply for normal road use, performance and appearance usually are the chief items stressed. The department most frequently neglected is that devoted to making the car safer.

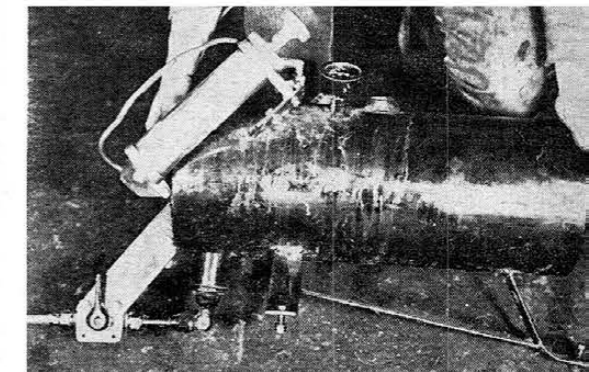
Shown on these pages are some of the items which can be incorporated into a vehicle. Many other good devices are on the market.

Probably the best single piece of safety equipment in general use is the aircraft-type belt, but for it to be most effective

it must be properly installed. The main point to remember, aside from using it, is that the belt should be fixed to the frame of the car, rather than attached to some weaker portion of the body. Fire extinguishers, goggles, crash helmets and roll bars are other important safety items.

In addition to the safety equipment, and on a par in the must list, are the various critical points in the car itself. Shocks in the right condition, properly functioning brakes, tight steering mechanism and good rubber on balanced and aligned wheels are essential.

Don Parkinson flipped his Jaguar (below) during Pebble Beach road race, but emerged unhurt despite fact his car was nearly demolished. At lower right, a roll bar is fixed to frame of hot rod. Note size of tubing in relation to mechanic's hand



Small fuel tank shown is a must for alkali fuels and is equipped with emergency fuel shutoff valve in fuel line

