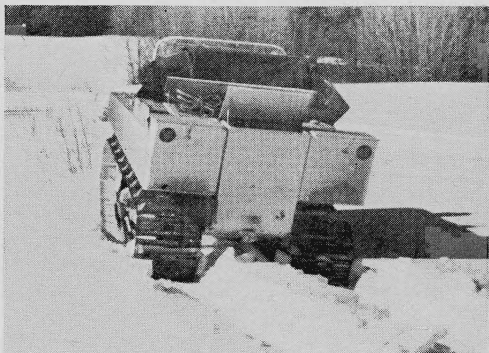




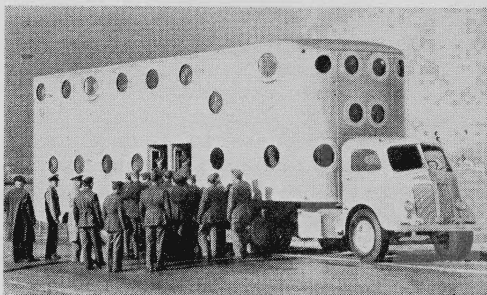
SNOW WEASELS, originally designed for Army use in Alaska, give promise of many civilian uses, particularly in mountainous regions. The U. S. Forest Service already is employing two for routine travel in the high Rockies. Other foreseeable uses include rescue of stalled motorists, carrying help to snowbound ranchers, and hauling feed to starving livestock in isolated grazing areas. Loaded to its capacity of 1,260 lb., this two-

AUTO IDEAS



passenger cargo carrier sinks only 18" in light snow, and even under the worst conditions it beats struggling along afoot on skis or snowshoes. Capable of speeds up to 25 m.p.h., it overcomes most difficulties of terrain, ambling up a 45-deg. grade and over vertical obstructions as high as 19". Although designed for snow travel, it fords rivers less than 44" in depth on its own power and in deeper water becomes a boat.

A GIANT BUS capable of carrying 250 persons, 100 seated and the rest standing, was built during the war by the White Motor Company for troop transportation in the wide expanses of an Army camp. With port-hole-type windows for both the lower and upper decks, the big transport looks like some fantastic land battleship. Although the vehicle is 15' high, the height is not particularly noticeable because the body is 2' wider than usual. The huge body was constructed on a rebuilt transport chassis.



CHECKING A CAR for defects in the power plant can be accomplished in five to eight minutes with the "Moto-Mirror," a dynamometer produced by the Clayton Manufacturing Company, of Alhambra, Calif., for service-station use. It consists of two major units, a cabinet containing recording instruments and a frame on which the rear wheels of the car are placed to operate transverse rollers. The frame embraces a hydraulic power-absorption unit fitted with solenoid remote-control valves, an electric induction tachometer, and a torque recorder. Simulating road conditions and testing the car throughout its driving range, the dynamometer indicates what adjustments are needed to bring the vehicle to top performance.

