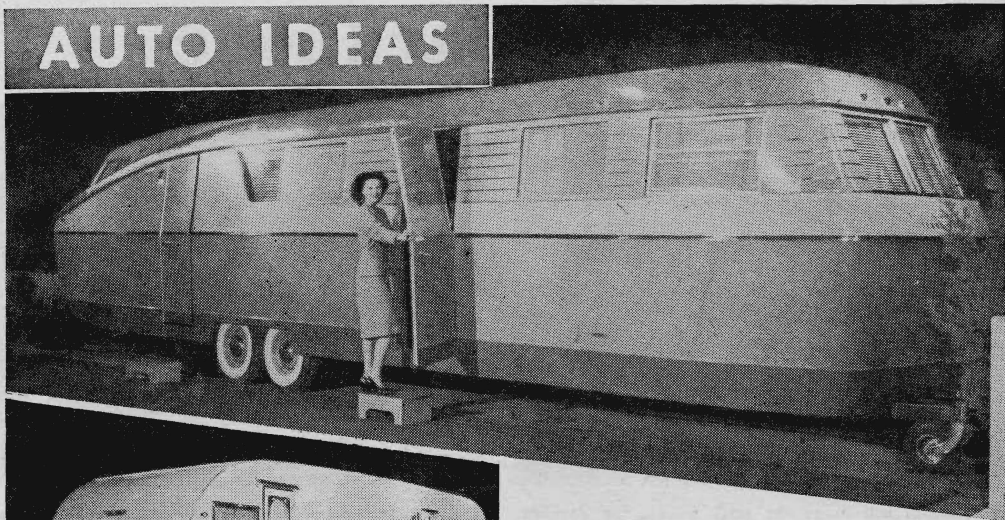
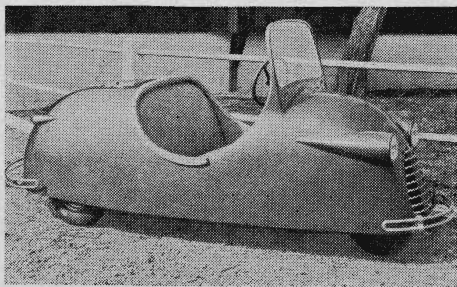


AUTO IDEAS



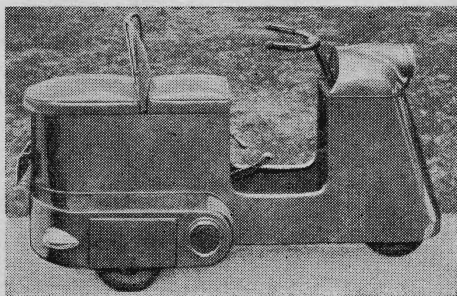
LONG, LONG TRAILERS. Almost comparable to a four-room house, the trailer at the top is the "Terra Cruiser," a 38' model with an all-electric kitchen, a bedroom-living room, and a bathroom with a shower. The

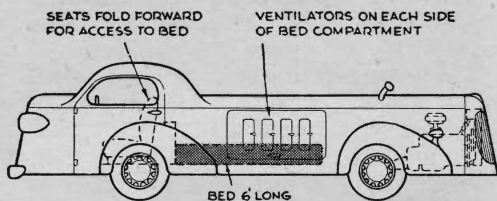
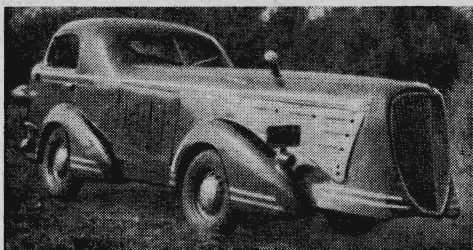
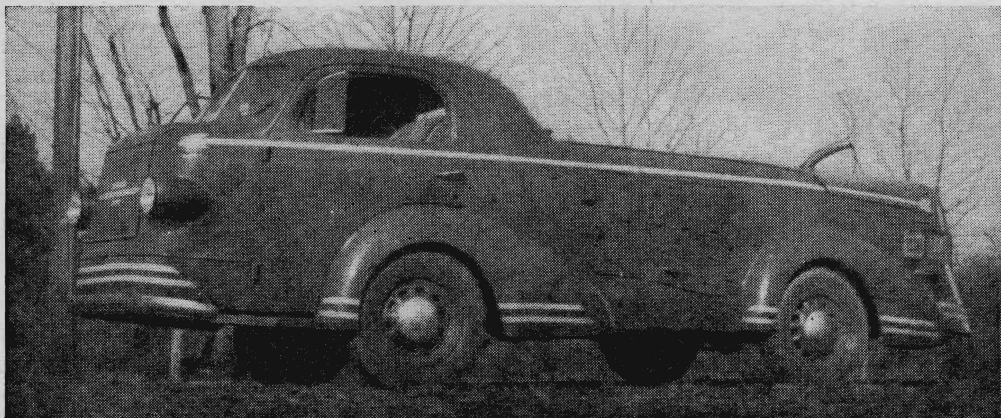
living room, with sofa and chairs, fireplace, and indirect lighting, is built at the rear and has windows like the observation car of a train. Shown in the smaller photo is a 35' "Shoreland Tandem," which has four rooms, hot and cold running water, and an air-conditioning unit. The couple pictured are about to enter the living room, while the door at the rear leads to the bedroom. According to the manufacturers of both trailers, they can be towed by standard passenger cars without difficulty.



PINT-SIZED AUTOS are planned or in production by numerous manufacturers in various parts of the country. The two shown here are the automotive hopes of the B & B Specialty Co., of Rossmoyne, Ohio. At top is the "Brogan," a low and light job—less than 4' high to the top of windshield, and weighing 450 lb. It uses a tricycle wheel arrangement with front-

wheel steering. A two-cylinder 10-hp. engine is placed at the rear on a special spring mount. Gasoline consumption is 65 to 70 miles per gal. and the top speed is 45 to 50 m.p.h. "The Broganette," below, fits into the motor-scooter class with its 3-hp. engine and handle-bar steering. Speed and mileage figures for this car: 35 to 40 m.p.h. and 85 miles per gal.

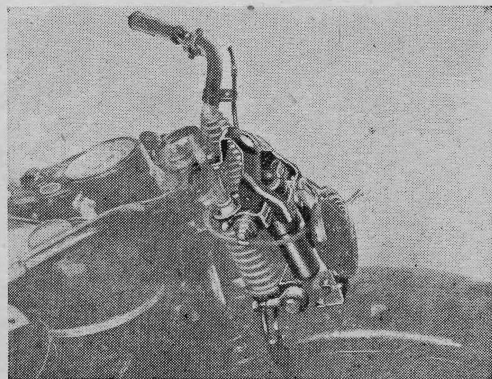
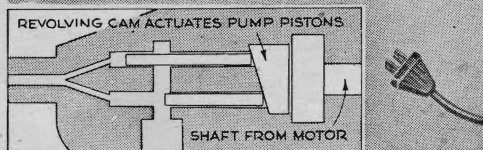
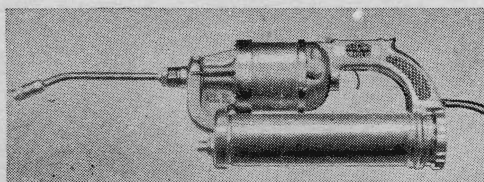




A ONE-BEDROOM CAR is the product of William M. Jones, a Camden, N. Y., mechanic who likes to take his wife and two children along when he goes fishing and hunting. He built the patchwork car shown above in his own welding shop with parts from Chevrolet, Buick, Pontiac, Studebaker, Terraplane, and Ford autos. It uses a Ford V-8 engine and a clutch operated by a bi-

cycle chain and sprocket. Jones has a list of reasons why he prefers the engine in the rear: the driver has a clear view of road, the car is cooler in summer and free of engine fumes, and the rear wheels have good traction. If you'd like to build one for yourself, you'll need your own welding shop, a shrewd eye for buying parts from a junk yard, \$250, and two months of work.

HYDRAULIC SHOCK ABSORBERS will appear on some motorcycles now scheduled for production. Mounted between handle bars and front-axle fork, the absorber damps out road shocks. Monroe Auto Equipment Co., Monroe, Mich., is the manufacturer.



ELECTRIC GREASE GUN. With a motor to do the work, this gun forces out grease at a pressure of 10,000 lb. per sq. in. The motor turns a cam that works four pistons (insert above shows two), pumping grease from the 1-lb. magazine. By using aluminum, John W. Hobbs Corp., Springfield, Ill., cut the weight to 7 lb.