

Low-Slung Streamliner

Has Two-Wheel Coaches

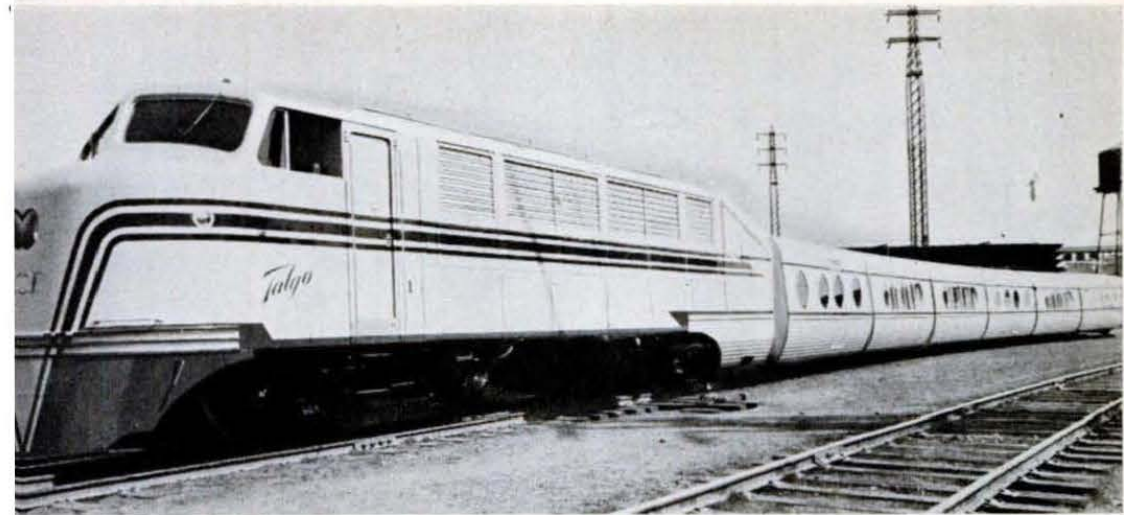
THE "mystery train" that has puzzled Pennsylvania residents for months has finally been unveiled—literally. American Car and Foundry took off the canvas covers that had hidden the new ACF-Talgo® on its test runs and gave press and public a peek at one of the strangest trains they had ever seen—a slope-backed locomotive pulling low-slung, two-wheeled coaches.

ACF-Talgo's passenger cars are a new departure in design. Built of aluminum, they are four feet lower—the floor is one step off the ground—only about 20 feet long, and seat 16 passengers. Three such cars, an observation car, a baggage car, and a car

that contains mechanical equipment are coupled and zippered together to make a single, snake-like assembly. The passenger cars have no outside doors; passengers get on and off through the equipment car.

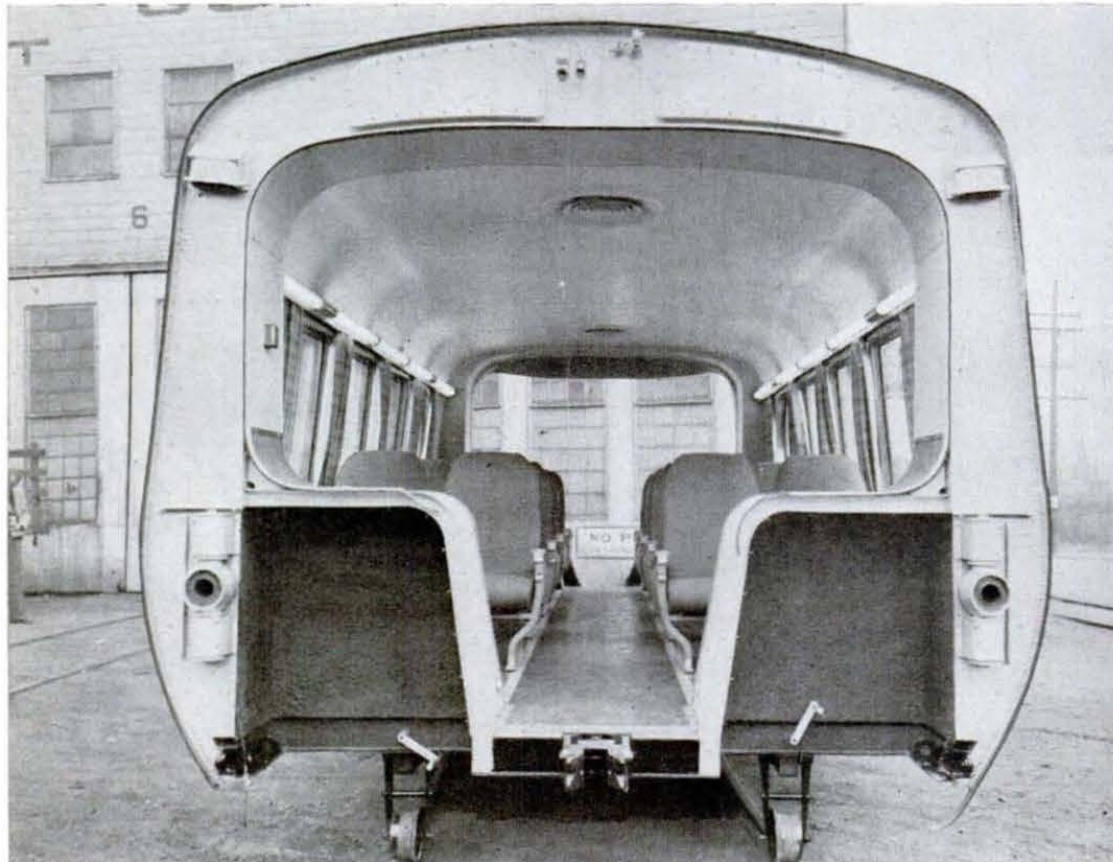
Each car has only two wheels, at the rear. The front end hooks on the back of the next unit, like a semi-trailer on a truck. This helps the train hug the rails on curves.

The lightweight, low-slung, articulated train promises high-speed, safe travel at very low cost. Built under the Spanish Talgo patents, this one will tour the U.S. Two others are being made for commercial use on the Madrid-Paris run in Spain.



Radical Talgo® train can be pulled at high speed by Diesel-electric locomotive weighing only 69 tons, thanks to 1,800-r.p.m., truck-type engines. Rest of train consists of baggage car,

three passenger cars, observation car, and equipment car. Low center of gravity is attained by putting all mechanical equipment, usually mounted under coaches, in its special car.



Front end of uncoupled car rests on dolly wheels, lowered by pair of cranks (above).

When coupled, front end is supported by sockets (at sides) that slide over pins on car ahead.



Rear view of car shows pins to support car behind it, coil-type springs, and outer strip that

is zipped closed to finish joining cars. Floor is so low that passengers walk between wheels.