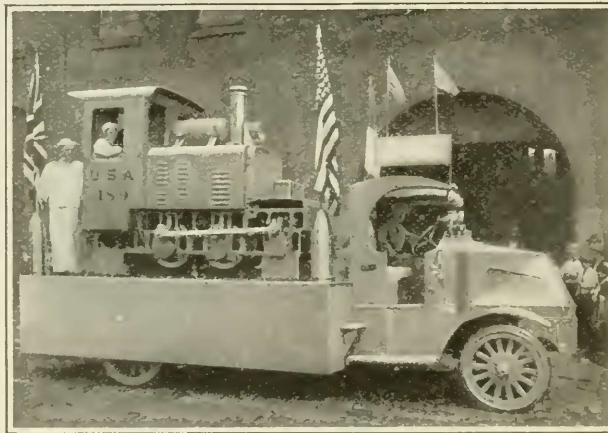


A Little Gasoline Locomotive to Be Used Near Front Lines

IT is so vitally important to bring food and ammunition to the front regularly and quickly that all the armies run whole military trains right up to the trenches. A special locomotive has been designed in America to meet the special needs of the army. It runs on a narrow-gauge track two or three feet wide, and hauls a long string of heavily loaded little cars. It is able to turn sharp curves at will. It is propelled by a four-cylinder gasoline engine, mounted inside the hood, just in front of the cab. The exhaust is discharged through the stack. A gasoline exhaust gives little or no smoke, and this assists in keeping the little engine's movements secret. Running in all sorts of difficult places, the locomotive can accomplish a great deal of work, all without revealing itself to the enemy.

How the gasoline motor is connected with the driving wheels of the locomotive is interesting. Imagine the cab and other superstructure as mounted on the front end of an automobile running backwards, and you have the underlying idea. Where the rear wheels would be on an automobile is a small crank mechanism, visible just under the front "steps" of the locomotive. The four cylinders of the motor lie lengthwise under the hood, just as they would in an automobile. They drive this crank through the medium of clutches, transmission, and power-shafting in the same way as they would the rear axle of an automobile. Power is transferred from the crank-mechanism to the driving wheels through the aid of connecting rods.



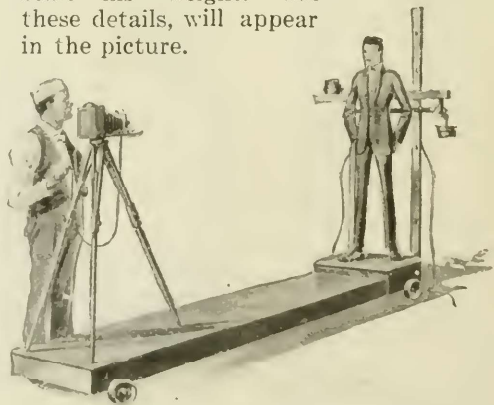
This little locomotive can haul several cars heavily loaded with supplies for the boys in the front trenches

"The Measure of a Man," to the Inch—by Photograph

IF you are a busy man and do not like to use up a lot of your valuable time in being measured for your new suit of clothes, you can have your measurements taken in the twinkling of an eye, by photograph.

This is the basic idea of a patent granted to Emery E. Costly, of Walkersville, Maryland. His invention will indicate not only the measurements of a man but his weight as well. The apparatus consists of a platform on which is mounted a camera, a scale, and a height measuring standard on the end of a platform scale. There is no tiresome

standing as there was when the tape measure did its slow work. All the prospective customer has to do is to stand on the platform opposite to the camera. A measuring device behind him will record his height and other measurements and scale his weight. All these details, will appear in the picture.



Be photographed on this platform and the resulting picture will indicate your height, your weight and your measurements