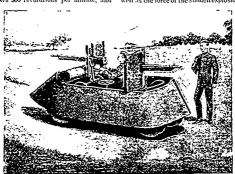
v-15 11 1Whether the interest atoused on this, and similar occasions elsewhere, will be maintained, remains to be seen, but at certainly will not be the fault of the various European and American films engaged in manufacturing the horseless carrage, if the public do not take Anally to the new method of road travel. Improvement in the various parts, all tending to ensuing greater safety, freedom from breakdowns, and a lessening of cost, follow each other with such rapidity that it is almost impossible to keep track of them.

The carriage seen in our first illustration is the latest model of a leading American manufacturer. It is fitted with an eight-horse power motor which makes 500 revolutions per minute, and

much higher than for a steam engine, and a considerable amount of the weight should be placed in the fly which, so that the motor will run more steadly when out of gear, and will start the carriage more; adily when thrown into gear, owing to the energy stored in the fly-which. Moreover, the fly-which momentum is of great assistance in the start of the st

In order that the balance may be effectively and safely used, a very strong crank-shaft is advocated to withstand all the shocks and pass communicated from the momentum of the carriage swell as the force of the sudden explosions.



weighs 340 pounds, including balance wheel.

Tower is transmitted through friction chutches to a counter-shaft, and thence by sprocket chains to the rear wheels. Tho main counter-shaft as supplied with differential gear which permits the rear wheels of the carriago to accommodate themselves to the roadway. This carrievel was the contract of the carriago to accommodate themselves to the roadway. This carrievel was the carrieve to the roadway. This carrievel was the carrieve the carrieve the carrieve and weights, without passengers, about 1,500 pounds.

The manufacturers are in favor of a good full-weight motor. They are aware that motors could be built considerably lighter than they build them; but they question the wis-lom of building them too light, as the factor of safety for a gasoleno motor should be

of the gaseous mixture in the cylinder. In short, it is claimed the cuture motor should be constructed for durability and telrability, qualities far more important than light speed.

There is no gainsaying that the possibilities of the hoiseless carriage are almost limitless, if the claims of its aident advocates are substantiated by experience. Governments of different countries are gaingly serious consideration to its adoption for various purposes. The steelless vehile will probably be seen in so ne of the larger American cities doing duty as a postal wagon in the course of a few months, while a good idea of what is expected of it from a military point of view is afforded by our second illustration.