FOR CADILLAC CARS make a fourth check on the work which has gone before and there is considerable rivalry between them and the rough testers to catch any small defects which might have escaped the latter. The dependable wearing qualities of Cadillan cars are in no small part due to the keenness of these inspectors in ferreting out the insignificant errors in assembly which later would cause inconvenience and delay, if allowed to pass without rectification.

When It Leaves Factory.

EVERY PART IS TRIED OUT

Four Hard Trials Must Be Passed

CARE OF TRUCK IS IMPORTANT

Mack Distributor Emphasizes Need of Protecting Investment.

Whenever statistics that have to do with the cost of motor truck operation been advocating good roads ever since are compiled one of the most import. The arrived in the west is G. A. Urquant items that should receive consideration, but which is absolutely intangible, is the human element. More Urquhart has been in the motor car Before Finished Car Is Scnt.

Out to Dealer.

BY H. M. COVEY.

President Covey Motor Car Company.

Prom ore to automobile there are Innumerable thousands of tests which will depend almost wholly upon the aiting into the manufacture of a good motor car. For instance, there are material tests—of wood and metals.

eration, but which is absolutely intangled in absolutely intangled. Since the human element. More than any other single factor of importance in computing costs, according to F. C. Atwell, of the International Mack corporation, distributors here for Mack trucks, is the attitude of the owner or driver toward the truck.

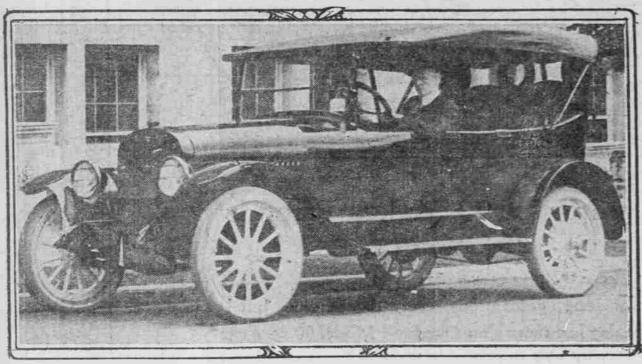
Given a high-grade truck, one that is built right in the first place, the degree of satisfactory service received will depend almost wholly upon the aititude of the operator. If the truck is handled by a careless or indifferent operator, it makes no difference how

COAST CHIEF FOR WHITE COM-PANY TALKS.

Roads Shown by Case of California, He Says.

Officials of the White company have taken a leading part in the good-roads movement from the start of the automobile industry. One man who has

CROW-ELKHART MAKES BOW TO PORTLAND.



YOU WILL SEE LOTS OF THESE CARS ON THE STREETS SOON.

David A. Pepp of the Daniels sales agency has taken on this well-known line to handle in conjunction with the Daniels Eight and the Revers. The Crow Eikhart comes in four and six-cylinder models, the four-cylinder having a Lycoming and the six a Rutenbur motor. It's a classy-looking little car. In this picture also is Jack Cunningham, salesman for

pounds. There are manufacturing tests, of new liads about will result in making the truck and principles.

Each reveals efficiency, or exposes the lack of it. Each adds an element of the cost of operation reported by the cost of peration reported by the cost of the making the truck at a higher specific coast states and in the edge of truck.

The only absolute guarantee, how signed the peration of the cost of the making the truck at a higher specific coast states and in the edge of truck.

The only absolute guarantee, how signed the peration to lubrit be as good as the elements which have gone into it is the test of the making to the cost of the making to the cost of the making to the cost of the making to the proof of Cadillac fatandards of assembly the cost of the cost of the making the truck at a higher specific coast states and include the coffic coast states and include the coffic coast states and included the coffic coast states and incl seats are inspected and finally set.
Eingine, transmission and axles are
then assembled in the frame and the
car started up under its own power.
From the chassis assembly it goes to
the dynamometer room. Here the rear
wheels are jacked up and connected
with silent chain to the dynamometer.
The engine is again started and the
testing goes on. The chassis is operated in high, medium and low gears,
as well as reverse, at all speeds and
under all loads. Here for the first
time the car, as a complete driving
mechanism, is under inspection.

Cadillac testers receive a liberal
education before they are set to judge
the soundness of a new automobile.

education before they are set to judge the soundness of a new automobile. They are men who have graduated from many other departments. They have seen the car in all phases of manufacture. They have at their fingers' ends all the ailments which an automobile is heir to. They know what a good automobile should be. The slightest sound, which the owner or even the average garage mechanic, wouldn't even notice, means something definite to them.

Final Test Hardest of All.

Final Test Hardest of All. When the car passes the dynamometer test satisfactorily, it is put through a rough road test. It is the ambition of the rough tester to catch any mistake which may have previously been missed. Any trouble here, and the car is taken out of production and sent to the chassis repair shop.

From the rough road test the chassis goes through the final painting and baking process, after which it is

ent to the final assembly room for its Still one more test is made, the final test with the car completed as it stands ready to ship. Final testers

baking process, after which it is

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PARTS SUPPLIES PORTLAND BUICK REPAIR CO.

fabrics and finishes, oils and com-pounds. There are manufacturing tests, of organizations and methods, of maxing the truck road.

There are manufacturing tests, abuse will result in making the truck road.

"California has taken the lead in the chining and assemblies, of new ideas affairs accounts for the wide range in construction of roads among the Pa-

Military Warehouses.

The huge concrete and steel plant built for the Saxon Motor Car corporation, according to officials of the com-pany, will soon be ready for occu-

Just as the plant was nearing com-pletion the country was plunged into war. The government, looking about for warehouses big enough to house the trappings of a nation at war, took over the new Saxon plant for the dura-tion of hostilities. It became a supply denot for a vast treasure in military depot for a vast treasure in military

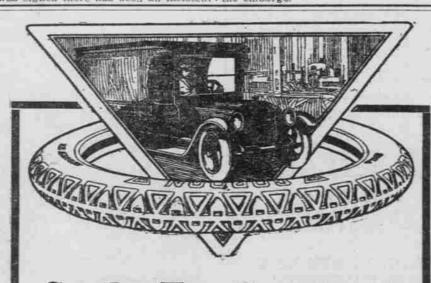
stores. Aircraft engines, war trucks, officers' cars filled the building and soldiers were on guard day and night. With the cuts in automobile manufacture dictated by the government, all plants found their facilities ample for plants found their facilities ample for building the passenger car schedules permitted by the government. Under normal circumstances the Saxon com-pany would have suffered hardship in being unable to enjoy the increased manufacturing facilities afforded by its new plant. But the curtailment dio-tated by Uncle Sam made possible the taking on of more war contracts. The Saxon company was awarded contracts for building the government standard one-ton truck known as style standard one-ton truck known as style
AA. The company is still engaged in
turning out these trucks along with its
regular passenger car manufacture.
As the government is able to divert its war materials into civilian uses, its

great military warehouses will be emptied. The new Saxon plant then will be available as the ultra-modern home of Saxon Six. It is located within five miles of the center of Detroit, on a 40-acre tract valued at \$5000 an acre. The property fronts upon a terminal railroad, thus affording excellent shipping facilities.

In March, 1897, in the New York Journal, a writer described his first motorcar ride as follows: "In search of a new sensation I went yesterday and rode in a horseless carriage, I dreamed once that I walked down Fifth avenue in my pajamas in the full tide of the afternoon promenade and almost died afternoot promenade and almost died with shame before I awoke. Yesterday I had something of the same strange feeling as I sat there and folt myself pushed forward into the very face of rinning, staring and sometimes jeering

Under the auspices of the Duluth (Minn.) automobile club, a move has begun to test the city wheelage tax in Jefferson St.

Portirula Cre Main 3419 the courts. The tax, which is held unjust, in addition to the personal property tax on automobiles, is 50 cents per horse power for cars and \$10 per ton for trucks,



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