point thionage the WAIpiston.

art of the motor which

irregular shaft which connecting rod transal motion of the piston

-A space around the linder which is filled

et of gears the purpose distribute the power h them as to allow the a car to travel at difrding to the resistance meet in passing the

pipe conducting the the cylinder.

That part of the motor opening through which d.

o called the balance wheel fastened to the by its momentum con-

and be readily taken apart without unscrewing the pipe.
Valve stem—That part of the valve to

which the head is attached and is operated upon the cam.

Wheel base—The distance between the the rear axle.

center of the front axle and the center of

AUTO PILOTS BUSY EVERY DAY WHEN NOT ON TRACK

Spend Time in Factory Working on Engines or Do Something to Keep Up Enthuslasm.

Enthusiasm-peyer failing, never ebbingis one of the great requisites of a racing automobile driver. When the teams are not busy on track and road, especially in the winter, they are hard at work in the factory evolving new ideas.

Dr. Wadsworth Warren, manager of the General Motors team, tells of one experience last winter:

"I was working out some of the coming season's plans in my office when four feet six of animated Frenchman unceremoniquely interrupted me, stuttering excitedly in broken English for me to come along. "Hurrying up to the experimental foom, I

found the place full of gas fumes, smoke and noise—chiefly noise. On the testing and noise—chiefly hoise. On the testing block stood a big, powerful looking motor, jumping and roaring and beiching forth blue flames from each of the four uncovered exhausts, while all about it were my crew of drivers and mechanicians, jumping and yelling like dervishes. They were clad in long shop coats, black, begrimed and dirty, but there was momething inspiring about their enthusiasm as they watched the first performance of their pet motor in action.

True, there is not much sentiment about a machine shop, but once in a while when semething of this sort is pulled off you can almost believe that the trop and nicket the ted lest brease have become sam and that the rear from the motor to d section displaced any of victory





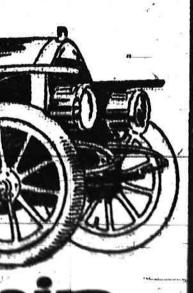
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AUTO PILOTS BUSY EVERY DAY WHEN NOT ON TRACK

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SIGNBOARDS GO UP RAPIDLY.

Will Serve as Guides to Motorists Dut of Chicago.

The signboard campaign of the Chicago Motor Club, under the direction of J. V. Lawrence, is being pushed aggressively. A record has been established in the course of the last week in signboarding the Chicago-Crown Point route, which required 150 signs, which were placed on thirty-one signposts. Chairman Lawrence is greatly assisted in this work by the use of the Grabowsky

ness agent Ployd Goodwan This Point roles was sompleted to see Pallowing this is was the teasurem to see 100) ju