

which have been makers for racing sport ever since its birth in America, and in those years pilots have bitten the dust before the motor courses.

### Trophies Worth Fortune.

Trophies which will bring this horde of daring and mechanical skill into the limelight as the most valuable collection in the world. Collectively and individually their mention causes the driver to feel desire of ownership and that desire brings the exhibitor which humanity craves—an exhibiting daring speed and skill.

The most valuable of these trophies is the Heeler-Schebler, valued at \$10,000. The Heeler-Schebler trophy, in addition to the trophy, carries with it \$1,000 to the winner, provided he uses the Heeler-Schebler carburetor. The Overland is again up for the mile. Oldfield won the one offered last year. The Speedway helmet with a consideration of \$50 weekly to the winner is small beside the Remy Brassard which, in addition to the Brassard trophy to the winner, carries \$25 more if he uses a Remy magneto, also \$100 trophy to the factory of the car.

Plaques and medals make up the rest of the program, not counting the championship medals, to be raced by 30.

### Calling Trophies In.

The Speedway is calling in its trophies in accordance with the deeds of gift. The G & W Company will surrender the G & W trophy, also the Prest-O-Lite trophy which it has the first win scored for credit, and must win them twice for final possession.

The Remy Brassard, with a \$2,500 cup, \$100 per week as salary to the winner, the July meet, when it will again be contested for, is a rich prize.

In addition to these rich offerings of several thousand dollars in championship medals and cash awards will be offered for contest.

Races are to start at 1 o'clock each afternoon, and the well-filled program is expected for each day bids fair to give spectators a full afternoon every day.

The officials will direct the contests, and the complete scoring system will keep the board posted every lap of all races.

The detailed events on the program are as follows:

17—Record trials from one-quarter to one kilometer to lower Speedway track; five-mile race for cars under 160 cubic inches; five miles for cars of 161 to 220 cubic inches; ten-mile race for cars with 221 to 450 cubic inches; five-mile race for cars with 451 to 600 cubic inches; free-handicap, five miles; five-mile race, handicap, for amateurs, free for all open classes; 100 miles, for cars of 221 to

# CLIPS TIME TO FRACTIONS

## WARNER DEVICE TO BE USED

**INVENTOR BRINGS TIMER TO SPEEDWAY READY FOR MEETING AND WILL OPERATE SCORING SYSTEM FOR CROWDS.**

Amplified in its possibilities and capable of doing work that no human brain or eye could act quickly enough to do the Warner Electrical timing device will be used at the Indianapolis Motor Speedway races again this year. Charles Warner of Beloit, Wis., the inventor, will be on the ground in a day or so to place the instrument, and for several days workmen have been installing the outside equipment necessary to the working of the instrument. The automatic scoring system will be carried on to the three large boards which the Speedway will use this year.

### How Timer Operates.

The race timer is equipped with four type wheels, operated like an odometer, recording hours, minutes, seconds and hundredths of a second. The record is made on a paper tape through a carbon ribbon by small hammers, actuated by electro magnets, located over the type wheels. In the circuit of the magnet that operates the hammers is a relay switch operated by an electro magnet in a circuit which is normally closed.

A light wire stretched across the course a few inches from the ground connects with an ingeniously designed trap that breaks the circuit when a car strikes the wire, releasing the printing hammers and making a record of the exact elapsed time. A small motor which drives the type wheels is electrically controlled and corrected by an accurate chronometer. Any variation in rotation of driving shaft is corrected every second to within 1-1000 of a second.

## HOW TO KEEP AUTO TIRES UP.

**Hudson Motor Car Company's New Book Suggests a Number of Hints.**

Among the items which are contained in the new Advance Instruction book for users of Hudson cars is a list of hints for keeping

## CHAMPION

## AUTO MAKE

### EVENTS AT SP

### NEW IDEA IN

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