

RULES FOR INDIANAPOLIS AUTO SHOW WEEK

rules were made yesterday for the show to be held at the Indianapolis Speedway during the Indianapolis automobile show week, which begins Monday. These contests and the floral parade are to be the red letter events of the show. The officials for the contest were announced yesterday:

Low Wainwright.  
 Charles C. Hanch, H. O. Smith,  
 J. A. Allison,  
 George Dickson,  
 J. A. Barclay,  
 J. A. Hammond,  
 Harry Stutz.

Will Enforce Rules.

The contest committee will enforce the rules in favor; any contestant disobeying the order of the starter, or any of his assistants, or the committee's representative will be subject to immediate disqualification. The winner will be announced by the committee as soon as it is possible to tally the scores.

Entries accompanied by \$5 entry fee which will be returned if car starts. Registration must be made on regular basis and forwarded to F. L. Moore, 400 Madison Avenue, on or before March 26.

**Balloon Contest**—Ten toy balloons will be anchored to the track at intervals, half being on one side and half on the other side of the course. It will be the duty of the driver to run over and burst each of these balloons.

Those placed on the right side to be broken by the right front wheel; those on the left side to be broken by the left front wheel. A balloon which is not broken or dislodged from the car will count as a miss and incur a penalty of ten points.

**Circus Ring**—A ring two feet in diameter will be suspended five feet above the heads of the contestants, and the driver of each contestant passing through the ring will be required to remove the ring when approaching the ring.

again. Failure to throw the hat through, three points penalty; striking the ring and not putting the hat through, four points; failure to catch cap going through ring or not, five points.

**Sec. 3. Juggling Contest**—Contestants must drive on high gear in a course marked by confetti and leading between obstructions, the driver's companion to hold a ball in a receptacle provided by the committee. Each contestant who successfully carries the ball to the finish will be given ten merit marks. Each obstruction hit in this contest will give one demerit mark.

**Sec. 4. Cane Rack**—Suitable pins will be placed at intervals along the course and the companion of the contestant will be given five rings, and while passing these pins at a given distance from them will be required to throw the rings separately, with the object of hanging as many on the pins as possible. The pins will carry values of 1, 2, 3, 4 and 5, and failure to place a ring on each will result in a penalty equal to the value of the pin.

**Sec. 5. Potato Race**—Each contestant will be given ten potatoes. There will be distributed along the course ten receptacles, and the companion of each contestant will be required to deposit one potato in each receptacle as the car is passing. Failure of the potato to reach or remain in this receptacle will count as one demerit mark for each of said failures.

**Sec. 6. Teeter Board**—This event will consist in balancing the car on a teeter board twenty-four feet long and six feet wide, resting on an eighteen-inch fulcrum. Car will drive on to teeter board until the forward end touches the ground, then reverse until the rear end touches the ground, then go forward to balance, balancing thirty seconds; then drive off ahead. One point penalty for each second over thirty seconds in which contestant fails to balance. Each contestant has two minutes from time front wheels rest on teeter board to do this section in. throw it through the ring and catch it

In this section to own judgment as to slipping of clutch, as No passengers can be taken.

General

Entries for the show will be accepted to gasoline cars. Entries will be accepted from those who are subscribers to the Indianapolis Automobile Club, or from private individuals by such subscribers on the committee reserving the right to refuse.

All cars entered must be in good condition and carry necessary equipment through the course.

Contests begin at 10 o'clock and continue for one-half hour each. Drivers must be ready to start at 10 o'clock in each section.

Cars must be in good condition for all contests except the potato race. Drivers must have feet on pedals or levers. No reversing of the car is allowed in the contest except in the potato race.

Each contestant will be given six sections in which to compete. Disqualification will result in a loss of 25 points.

No advertisements or commercial numbers, and no driver's name placed on the car. Contesting cars must not carry more than two passengers, but the driver and companion will be the active participants in the contest, when driving in car.

Winner to be determined by merit marks or by the number of laps completed. The entrant must be responsible for releasing the Indianapolis Automobile Trade Association from liability in case of accident.

and much more closely resembled the present day.

The pioneers in American motorcycle manufacture were the Thomas, Mitchell and Company. The first Thomas motorcycle closely resembled the Euro-

pean type, the dimensions of the motor being 3x3. The comparative weakness of these engines will be readily understood from a moment's consideration of the belts used for transmission purposes. They were ordinary cut leather belts, such as are

used on the steam engine. They do not admit the vapor to pass freely and will burn through small holes. The valve must be kept free and almost burning vapor

# RULES FOR INDIANAPOLIS AUTO SHOW W

The rules were made yesterday for the contests to be held at the Indianapolis Motor Speedway during the Indianapolis automobile show week, which begins March 28. These contests and the floral parade are to be the red letter events of the show. The officials for the contests were announced yesterday:

- Referee—Low Wainwright.
- Judges—Charles C. Hanch, H. O. Smith, B. C. Dowse, J. A. Allison.
- Clerk of course—George Dickson.
- Assistant clerks of course—J. A. Barclay, Harry Hammond.
- Starter—Harry Stutz.

## Will Enforce Rules.

The contest committee will enforce rules without favor; any contestant disobeying the order of the starter, or any of his assistants, or the committee's representatives, will be subject to immediate disqualification. The winner will be announced by the committee as soon as it is possible to tally the scores.

**Entry.** Entries accompanied by \$5 entry fee, which will be returned if car starts in competition, must be made on regular forms and forwarded to F. L. Moore, 400 Capitol avenue, on or before March 26.

**Sec. 1. Balloon Contest.**—Ten toy balloons will be anchored to the track at varying intervals, half being on one side and half on the other side of the course. It will be the duty of the driver to run over and burst each of these balloons. Those placed on the right side to be broken by the right front wheel; those placed on the left side to be broken by the left front wheel. A balloon which is touched but not broken or dislodged from its anchorage will count as a miss and will have a penalty of ten points.

**Sec. 2. Circus Ring.**—A ring two feet in diameter will be suspended five feet above the heads of the contestants, and the companion of each contestant passing thereunder will be required to remove his cap when approaching the ring.

again. Failure to throw the hat through, three points penalty; striking the ring and not putting the hat through, four points; failure to catch cap going through ring or not, five points.

**Sec. 3. Juggling Contest.**—Contestants must drive on high gear in a course marked by confetti and leading between obstructions, the driver's companion to hold a ball in a receptacle provided by the committee. Each contestant who successfully carries the ball to the finish will be given ten merit marks. Each obstruction hit in this contest will give one demerit mark.

**Sec. 4. Cane Rack.**—Suitable pins will be placed at intervals along the course and the companion of the contestant will be given five rings, and while passing these pins at a given distance from them will be required to throw the rings separately, with the object of hanging as many on the pins as possible. The pins will carry values of 1, 2, 3, 4 and 5, and failure to place a ring on each will result in a penalty equal to the value of the pin.

**Sec. 5. Potato Race.**—Each contestant will be given ten potatoes. There will be distributed along the course ten receptacles, and the companion of each contestant will be required to deposit one potato in each receptacle as the car is passing. Failure of the potato to reach or remain in this receptacle will count as one demerit mark for each of said failures.

**Sec. 6. Teeter Board.**—This event will consist in balancing the car on a teeter board twenty-four feet long and six feet wide, resting on an eighteen-inch fulcrum. Car will drive on to teeter board until the forward end touches the ground, then reverse until the rear end touches the ground, then go forward to balance, balancing thirty seconds; then drive off ahead. One point penalty for each second over thirty seconds in which contestant fails to balance. Each contestant has two minutes from time front wheels rest on teeter board to do this section in. throw it through the ring and catch it

In the own ping No pa tion.

Ent ited

Ent

who

Indian

tion,

ed by

mitte

tries.

All

cars

equip

Con

and

one-h

tions

Driv

each

Car

all co

ers m

pedal

No

test

Eac

six

Dis

25 po

No

cial

strate

Con

of pa

will b

gine and much more closely resembled those of the present day.

The pioneers in American motorcycle manufacture were the Thomas, Mitchell and Orient Companies. The first Thomas motorcycle closely resembled the European Werner with a midget motor secured to the lower frame tube. The Mitchell was almost identical except in size, the

dimensions of the motor being 3x3. The comparative weakness of these engines will be readily understood from a moment's consideration of the belts used for transmission purposes. They were ordinary cut leather belts, such as are commonly used on sewing machines and similar light machinery; in fact, the maximum power of the little Thomas motors could seldom exceed five-eighths to three-quarters mechanical horse power. The Mitchell motor, being a little larger, was slightly more powerful, but the machines exceeded the Thomas in weight

admi

freel

thro

valve

free

burn

resul

and

thes

An

ing

suffi

end

cylin



# INDIANAPOLIS AUTO SHOW WEEK CONTESTS.

again. Failure to throw the hat through, three points penalty; striking the ring and not putting the hat through, four points; failure to catch cap going through ring or not, five points.

**Sec. 3. Juggling Contest**—Contestants must drive on high gear in a course marked by confetti and leading between obstructions, the driver's companion to hold a ball in a receptacle provided by the committee. Each contestant who successfully carries the ball to the finish will be given ten merit marks. Each obstruction hit in this contest will give one demerit mark.

**Sec. 4. Cane Rack**—Suitable pins will be placed at intervals along the course and the companion of the contestant will be given five rings, and while passing these pins at a given distance from them will be required to throw the rings separately, with the object of hanging as many on the pins as possible. The pins will carry values of 1, 2, 3, 4 and 5, and failure to place a ring on each will result in a penalty equal to the value of the pin.

**5. Potato Race**—Each contestant will be given ten potatoes. There will be distributed along the course ten receptacles, and the companion of each contestant will be required to deposit one potato in each receptacle as the car is passing. Failure of the potato to reach or remain in this receptacle will count as one demerit mark for each of said failures.

**Sec. 6. Teeter Board**—This event will consist in balancing the car on a teeter board twenty-four feet long and six feet wide, resting on an eighteen-inch fulcrum. Car will drive on to teeter board until the forward end touches the ground, then reverse until the rear end touches the ground, then go forward to balance, balancing thirty seconds; then drive off ahead. One point penalty for each second over thirty seconds in which contestant fails to balance. Each contestant has two minutes from time front wheels rest on teeter board to do this section in, throw it through the ring and catch it

In this section the driver must use his own judgment as to gears used and slipping of clutch, as well as use of brakes. No passengers can be carried in this section.

## General Regulations.

Entries for these contests will be limited to gasoline cars.

Entries will be received from dealers who are subscribers to the fund of the Indianapolis Automobile Trade Association, or from private owners recommended by such subscribing dealers, the committee reserving the right to reject entries.

All cars entered must be strictly stock cars and carry at least full catalogue equipment throughout the contest.

Contests begin promptly at 2 o'clock and contesting cars must be on hand one-half hour earlier to receive instructions and get official numbers.

Drivers must sit in seats throughout each section.

Cars must be driven on high gear in all contests except teeter board and drivers must have feet off clutch and brake pedals or levers.

No reversing of car in any part of the test except in the teeter board.

Each contestant must go through the six sections in succession.

Disqualification in any section counts 25 points.

No advertisement, other than the official numbers, and the regular demonstrator's name plate must be used.

Contesting cars may carry any number of passengers, but must carry one who will be the active participant and be seated beside the driver, except in teeter board contest, when driver only will be allowed in car.

Winner to be contestant with most merit marks or fewest demerit marks.

The entrant must sign an entry blank releasing the Indianapolis Motor Speedway and the Indianapolis Automobile Trade Association from all responsibility or liability in case of accidents.

dimensions of the motor being 3x3. The comparative weakness of these engines will be readily understood from a moment's consideration of the belts used for transmission purposes. They were ordinary cut leather belts, such as are commonly used on sewing machines and similar light machinery; in fact, the maximum power of the little Thomas motors could seldom exceed five-eighths to three-quarters mechanical horse power. The Mitchell motor, being a little larger, was slightly more powerful, but the machines exceeded the Thomas in weight

admit the vapor charge to the cylinder freely and without too rapid travel through small passages. The exhaust valve must be large enough to allow the free and almost instant emission of the burning vapor. Delay in this inevitably results in overheated motors, pitted valves and numerous troubles resulting from these conditions.

An essential feature is the correct timing of the exhaust valve. It must open sufficiently before the piston reaches the end of its stroke to allow pressure in the cylinder to drop to zero by the end of the