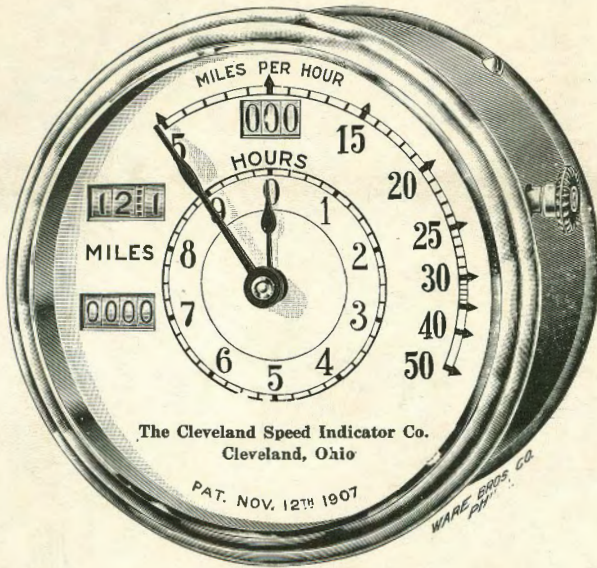


H CUNTZ
1910

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THE CLEVELAND SPEED INDICATOR



No. 1 { Trip and Season Hours }
 { Trip and Season Miles } PRICE, \$50.00
 { Miles per Hour }

Most Accurate Most Reliable Most Durable

TELLS HOW LONG, HOW FAST, HOW FAR.

THE CLEVELAND SPEED
INDICATOR COMPANY
CLEVELAND, OHIO

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 AMA - DETROIT
 1910
 YEAR CODE BOX

THE Cleveland Speed Indicator

**an instrument for indicating the speed and
recording the running hours and mileage
covered by an automobile.**

This instrument is a unique and distinct advance in speed indicator construction and is made on an entirely new principle. It has a speed-hand that indicates the **average** speed for each one-thirtieth part of a mile. Also records the trip and season running hours, as well as the trip and season mileage.

A speed indicator, to be satisfactory, must first of all be **accurate** and have a speed hand that is firm and steady under all road conditions. No speed indicator can be more accurate than the principle permits. The accuracy, reliability and simplicity of our escapement principle makes it most admirable to fill the above vital conditions.

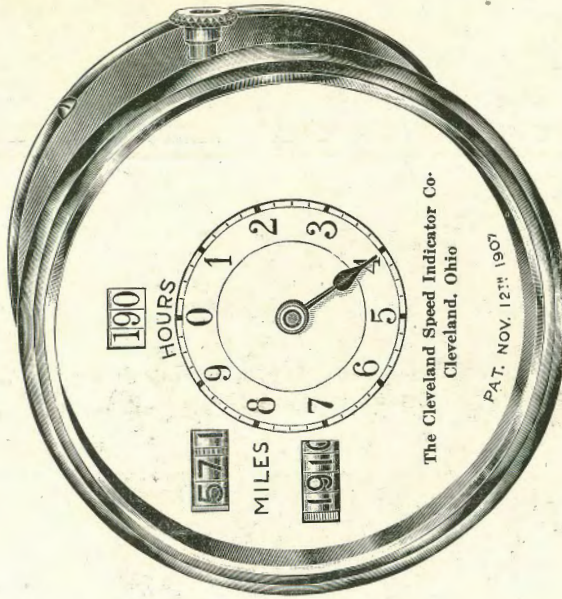
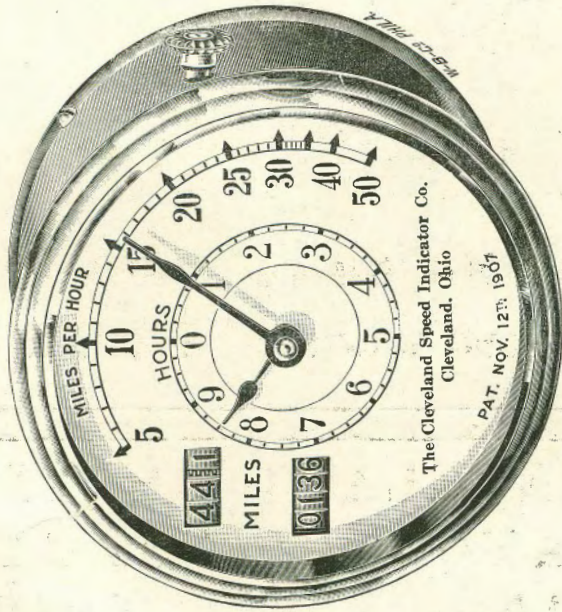
It is necessary in these days of stringent speed laws to know the exact running time (how long), speed (how fast) and distance (how far).

The trip and season running time feature, as well as the escapement principle is our invention and is used only by The Cleveland Speed Indicator Co. The running time record will be found to be the best evidence for every law-abiding citizen against police interference, as the indicator shows at all times the number of miles and the running time.

The Cleveland instrument indicates the speed and records the running time automatically. It is kept in motion by the flexible shaft connection to the automobile wheel and does not require any attention whatever.

The fastest moving part in our instrument revolves only thirty (30) times each mile. The average for others is about 3000 times each mile. The driving shaft revolves one-fourth as fast as the automobile wheel, or one-sixteenth as fast as others, and has strength sufficient to drive ten (10) Cleveland instruments.

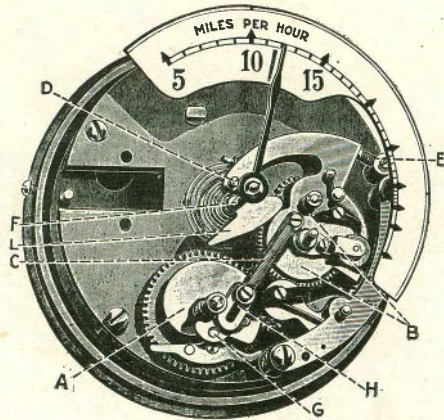
Think what this means—long life and freedom from trouble.



NO. 2 { TRIP HOURS
TRIP AND TOTAL MILES } PRICE, \$35.00
MILES PER HOUR
INDISPUTABLY ACCURATE.

Slowly moving parts, hence lasting adjustments and durability. The speed hand shows the **average** speed. The exactness and reliability of time devices using a well designed escapement has been recognized for centuries over the entire world. The claims we make for the Cleveland Speed Indicator can all be verified, and we invite thorough investigation.

How the Cleveland Instrument Operates



The Master Gear and Cam A revolve thirty (30) times each mile traveled by the automobile, and are driven by a flexible shaft. The cam A while revolving moves the pin D (which is carried by the arm and plate B) towards it during each revolution. The position of the indicator hand and cam L, which are connected by the arbor F, is determined by the pin D, or the length of time required for the cam A to make one revolution. The pin D moves towards the cam A at a regular pre-determined and unvarying rate, because its movement is **absolutely** controlled by the regular movement of a balance wheel through the **escapement** device of the indicator.