

—IF YOU WANT A REAL BATTERY TRY A



You can forget all your Tire Troubles if you Put on a—

SOUND

Tillamook Battery Station

M. K. TERRY, Prop.

E. J. BAERTLERN

FIRST CLASS AUTO REPAIRING OF ALL KINDS

Fords a speciality. Quick service. Work guaranteed at honest prices.

Give us a trial.

At new Bungalow Service Station.

COR. 9th. STREET 2nd. AVENUE SOUTH

Both Phones

The Herald \$2.00 Per Year and worth it.

MOTORISTS LOSE GALLONS OF GAS

Inefficient Working of Automobile Engine Is Cause of Leakage of Costly Fuel.

FAULTY COMPRESSION BLAMED

Disarranged Motor May Appear to Run Fairly Well, but Trouble Occurs When Car Is Being Run at Moderately Low Speed.

Thousands of gallons of gasoline are wasted every day by motorists because of the inefficient operation of their engines.

An important detail to watch to keep the engine running efficiently is the compression. A motor with faulty compression may appear to run fairly well when driving the car at a reasonable speed or when it is working hard. Lost compression shows up when the car is being driven at a comparatively low speed.

How to Tell It.

Under either of these conditions the engine will run with an irregularity that makes the car jerk or jump instead of running steadily, as it should. This indicates that there is considerable loss of power and that much more gasoline has to be burned than the engine is developing its full power.

In fact, gasoline mileage may be only half as good through compression loss and still the engine may continue to run fairly well, according to the ideas of an amateur driver.

Try the Crank.

If an engine is not running well and compression loss is suspected, the simplest way to detect it is to use the crank and turn the engine over by hand, and thus feel the compression on each individual cylinder. You will nearly always find that some pistons will go over compression much easier than others, and this means that somewhere there is a leak in this cylinder. The number of miles which a car should run without having the valves reground varies greatly depending on driving and other engine conditions.

With the average car under normal running conditions, however, it is probably wise to have the valves ground at least once every 5,000 to 10,000 miles, depending on the operating condition of the motor.

Moist, wet or dry, should be removed with flowing water from a sponge, sponge, or flowing from a hose with very little pressure, never with a water blast.

Insurance companies in New York in the future, will pay rewards only for the arrest and conviction of thieves of automobiles, instead of offering rewards for the return of stolen cars.

RIGHT WAY TO PLACE INNER TUBE IN CASE

First Thing to Do is to Partially Inflate It.

Bad Practice to Allow It to Rest on Ground or Garage Floor, Thus Picking Up Particles of Sand, Cinders or Oil.

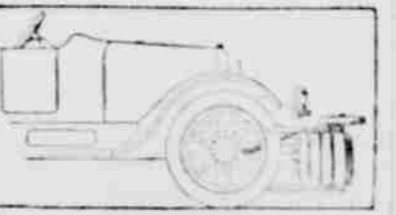
Unexpected outbreaks from inner tubes frequently result from sand and cinders. By partially inflating the inner tube, it is raised from the ground and the particles that would otherwise be picked up are blown away.

It is a bad practice to allow the inner tube to rest on the ground or on the floor of the garage. This practice is wrong. It allows the tube to pick up particles of sand, cinders and oil, which create friction and eventually wear holes.

AUTO BODY IS DETACHABLE

Object of Recent Invention is to Provide Frames Which May Be Applied or Removed.

The Scientific American is interested in a new invention which enables the body of a car to be removed from the chassis and replaced by another body.



Perspective View Showing Automobile With Invention Applied.

Non-traction which may be found as part of the automobile or which may be made independently and attached thereto. A further object is to provide frames forming a chassis, one of which is mounted on the chassis, the other on the body of the automobile whereby the body may be readily fitted into position.

OILING CAUSE OF MANY AUTO FLA

Average Owner Prone to Seek Other Sources of Evils Due to Lubrication.

"PUMPIERS" AND ITS EFFECTS

Kind, Quantity and Frequency Are Important Factors in That Most of the Evils of Automobiles Are Due to Lubrication.

Notwithstanding the fact that the average owner of an automobile is prone to seek other sources of evils due to lubrication, the fact remains that the majority of the evils of automobiles are due to lubrication.

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Pennsylvania VACUUM CUP CORD TIRES



"Know them by the Jet Black Tread!"

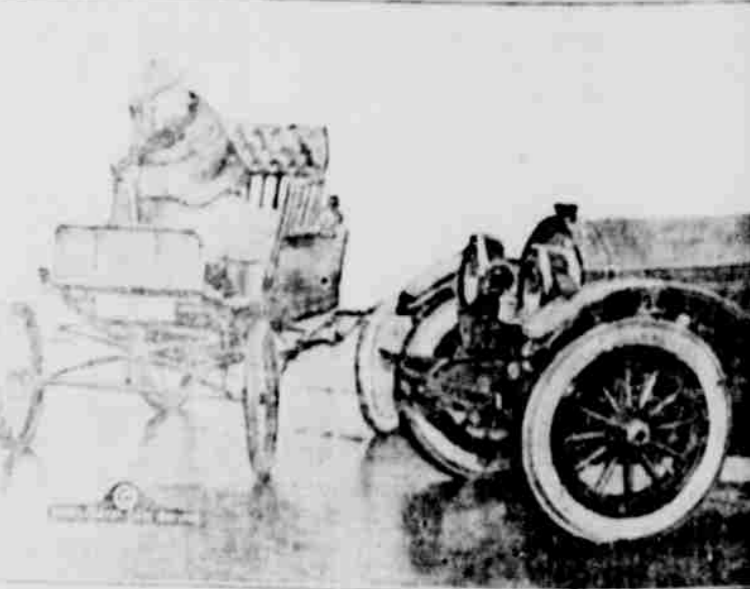
WHEN you buy these remarkably long-lasting casings, you not only pay a reasonable price for unusual quality—the guaranteed non-skid effectiveness of the Vacuum Cup tread on wet, slippery pavements costs you nothing. You get everything you can get in a tire—wear-resistance, trouble freedom, attractiveness, riding ease, and thorough satisfaction. We would be pleased to have you come in and inspect them.

AUTO OWNERS NOTICE THE REMARKABLE MILEAGE MADE ON PENNSYLVANIA VACUUM TIRES—

- 1. O. O. Christensen, Tillamook Cheese Inspector, over 10,000 miles on a Fabric.
- 2. Hays, 11,000 miles on a Maxwell car.
- 3. J. M. Matlock, Rockaway stage line Pennsylvania Card has worn out two other cords with good prospects of out wearing the third.
- 4. J. J. and examine this wonderful tire. It costs less than any other Standard make.

Sold by Williams & Williams

NOT SO BAD—FOR AN OLD FELLER



It is a good thing for an elderly man to have a car. It is a good thing for an elderly man to have a car.

Under New Management

ACKLEY & CONDIT ARE NOW OWNERS OF THE TILLAMOOK GARAGE AND ARE NOW ON THE JOB.



We handle Fords exclusively and can deliver one today. Order yours now and get the full enjoyment of the coming summer season. Many good second hand cars on hand at all times at attractive prices.

The prices of Fords are as follows F. O. B. Detroit.

| | |
|---------------------------|--------------------------|
| Chassis—Regular 285.00 | Touring—Regular 348.00 |
| Chassis—Starter 355.00 | Touring—Starter 418.00 |
| Chassis—Semi-Dem. 380.00 | Touring—Semi-Dem. 443.00 |
| Rims 380.00 | Rims 443.00 |
| Runabout—Regular 319 | Sedan 645.00 |
| Runabout—Starter 389.00 | Coupe 58.00 |
| Runabout—Semi-Dem. 430.00 | Truck 430.00 |
| Rims 414.00 | Tractor 395.00 |

"WE ARE HERE TO SERVE"

Tillamook Garage

AVTOMOBILE PAINTS

Do not permit any water to touch the hood while it is hot.

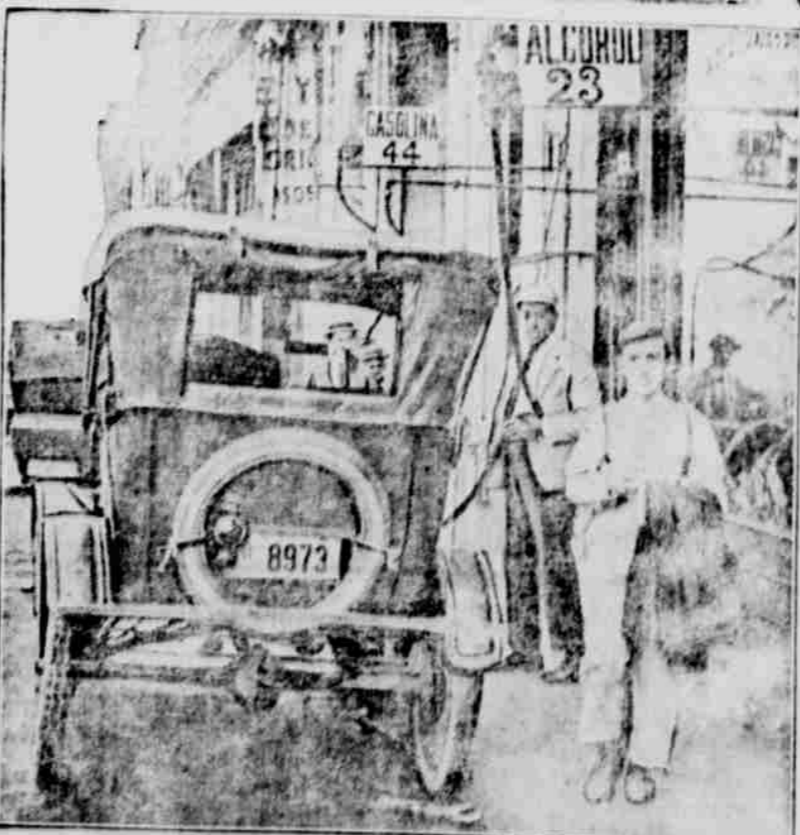
One of the newest motor organizations in this country is the Women's National Automobile Club of America. Mrs. Charles E. Baker of New York City is president.

When the rear tires show considerable wear, interchange with the front tires and reverse a few. The change will mean an increase in mileage from the tires.

Speed advanced has led to the use of more advanced engines. The engine and connecting rods in track. It will also cause stretching of the engine.

As a means of protecting road wheels on highways in the United States a request has been made by the executive council of the Department of Commerce to enter the competition of suits in providing the roadways.

ALL OF CUBA RUN ON ALCOHOL



Transportation is more in Cuba by means of alcohol, the forbidden use of plentiful that it has been found cheaper to fill one's tank with alcohol instead of gasoline. In fact, 80 per cent of the motor-driven vehicles of Cuba are run by alcohol. Note the price signs; they tell the story. This is a scene from a fuel station in Havana, Cuba.

Vulcanizing

We specialize in tire repairing—Let us vulcanize that spare and mend your tubes. Equipment the best—Workmanship unexcelled.

We Stock and Sell

GOODRICH and HOOD TIRES

Cords and Fabric—Get our prices before buying—

City Tire Shop

J. C. HOLDEN, Prop.

Both Phones Tillamook, Oregon.