

Meet Us at the Auto Show

Goodrich Tires

BOTH FABRIC AND SILVERTON CORD. FOR THE MONEY INVESTED YOU CANNOT GET A BETTER TIRE

Miller Tires

WE HAVE BOTH THE FABRIC AND CORD. EACH TIRE IS A MASTERPIECE. THE FABRIC TIRE IS WRAPPED--NOT MOLDED.

GATES HALF SOLE TIRES
Cost 1/2 As Much

Doesn't it get your goat when you're obliged to change a tire in the mud and there isn't a garage in 10 miles? Gates Half Soles are guaranteed puncture proof!

Vulcanizing

We are able to guarantee our work because we know from experience that it stands the test of wear. You will be agreeably surprised with the result--both as to the workmanship and the price.

Monty's Tire Shop

154 South Commercial

Phone 428

CRANKCASE ILLS OF MOTOR CARS

Distillation Tests of Lubricant Made by Engineer of National Reputation.

GASOLINE HAD LEAKED OUT

Figures Given Should Form Illuminating Comment on Trouble Motorists Are Having--Difficulty Solved in Two Ways.

An engineer of national reputation, who has been making distillation tests of lubricant taken from the crankcases of motorcars, reports in one typical case that 45 per cent of the supposed oil in the crankcase was nothing more nor less than gasoline which had not been consumed and had leaked down past the pistons. Only 37 1/2 per cent of good lubricating oil was found--oil that is really suited for lubrication of the cylinder walls and piston rings. Nor was this a neglected car. The oil had been in the crankcase only nine days and a grade of gasoline testing 58 Baume had been used.

The test figures were checked by a government chemist and are incontrovertible. They should form an illuminating comment on the trouble motorists are having in these days of low-gravity fuels.

Solving Difficulty.

The difficulty, say the experts, is to be solved only in two ways--more frequent changing of the oil in the crankcase and greater care in the purchase and use of low grade or "stale" gasoline.

"It is not uncommon," says the editor of Motor Age, "for a car to start on a tour with the gasoline tank filled with a good grade of gasoline and run beautifully for the first two days, perhaps, or until a fresh supply of gasoline is taken on at some small out-of-town garage or country store. Then, before long, a noticeable loss of power manifests itself in the engine."

"There is nothing more distressing than the gloom of impending engine trouble. So, think of the gasoline first and you may find the source of that power loss. The trouble caused by poor gasoline is an elusive one and generally gives the inexperienced operator no end of perplexity in laying his hands on the difficulty."

Facilitate Starting.

"In trouble of this kind, to facilitate starting, one should drain a half to a cupful of gasoline from the float chamber of the carburetor. This will remove water and dirt if it is that which is giving trouble."

"The operation should be followed by priming the cylinders with gasoline and then holding a cloth saturated with gasoline over the air intake of the carburetor while the starter is operated. If the engine runs with power on the priming mixture and then dies down to less power when the tank gasoline is being used, it is well to assume that the trouble is within the gasoline itself, and the remedy is to replace the gasoline immediately. If this is not possible, change the carburetor mixture for more gas until a new supply is available."

Dirt Causes Valve Leak.

If dirt once makes its way into the valve stem a leak is almost certain to result.

DIAMOND TIRES IS

(Continued from page one)

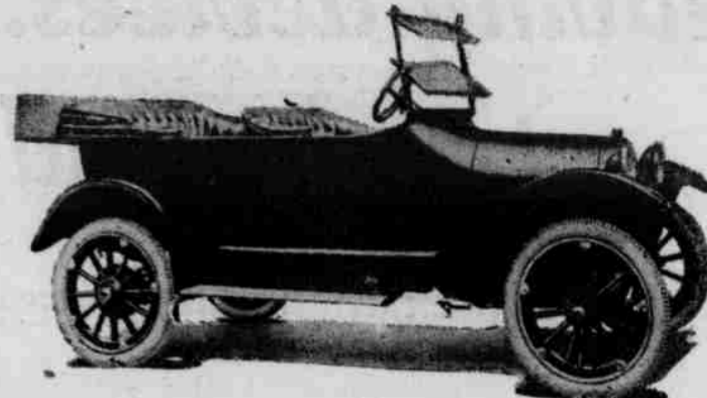
lay, almost at the same place. When he started into clerking away back in 1883 the firm was R. M. Wade and it occupied the Ray L. Farmer hardware corner as well as the present location of Mr. Pierce, at 226 1/2 North Commercial street.

It was in 1907 that Mr. Pierce bought an interest in the firm and it became known as Wade, Pearce & Co. In 1912 the hardware part of the business on the corner of Court and Commercial was sold to Ray Farmer. The present firm of Lot L. Pearce & Son is an important business in the city. In addition to the regular agricultural implements and supplies and accessories, the firm has the exclusive sale of Diamond auto tires, one of the best known standard brands. And with the selling of auto tires, came the selling of gasoline, oils and greases. In agricultural implements the firm handles the old stand-by, Oliver plows, a threshing machinery and tractors and Johnston harvesting machinery. With the taking up of the exclusive of the Diamond auto tire the firm is handling auto accessories. In tire business it is doing a wholesale as well as retail business and Mr. Pearce says the tire has been giving him satisfaction that he is looking for a big business this year.

Mr. Pearce, the junior member of the firm, volunteered for service shortly after war was declared and has been in France since January of 1918. He has been stationed at Limoges, France, and the rest of the American boys there, writes that he hopes to once again be home within a few months.

The gent who sings most about his automobile expenditures is generally the one who has the most. It is too high for him.--American Motorist

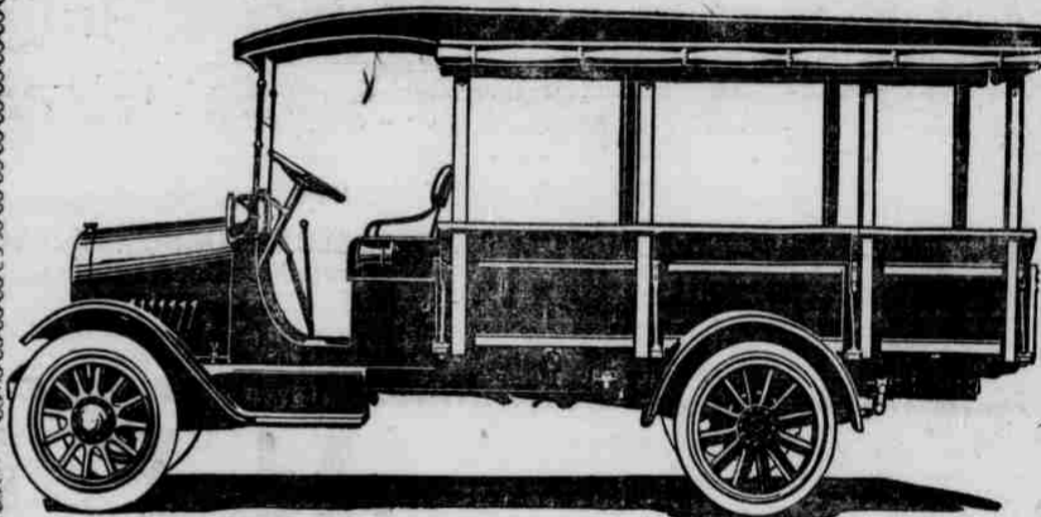
Shock absorbers on a car that "rides hard" will not only give you more comfort, but eat your tire bills materially.



MODEL "490" 5-PASSENGER, \$845

THE MOST POPULAR AUTOMOBILE ON THE AMERICAN MARKET. COMPLETE IN EVERY DETAIL. LOW INITIAL COST, LIGHT WEIGHT, EXTREMELY ECONOMICAL IN GASOLINE AND OIL CONSUMPTION, UNRIVALED IN PERFORMANCE AND SERVICE.

A SENSIBLE CAR AT A SENSIBLE PRICE.



MODEL "T" CHEVROLET 1-TON TRUCK

ELECTRIC STARTER AND ELECTRIC LIGHTS

GUARANTEED TO CARRY 50 PER CENT OVERLOAD

OPERATES AT ONE-FOURTH THE COST AND DOES FOUR TIMES THE WORK OF A TEAM AND WAGON. THE FARM WAGON OF THE FUTURE.

YOU KNOW THE KIND OF SERVICE WE FURNISH ON CHEVROLET CARS.--THE SAME SERVICE WILL BE CARRIED OUT ON CHEVROLET TRUCKS. NO WAITING FOR PARTS AND COMPETENT MECHANICS, TRAINED EXCLUSIVELY IN CHEVROLET WORK, AT YOUR DISPOSAL.

SALEM AUTOMOBILE CO.

F. G. DELANO

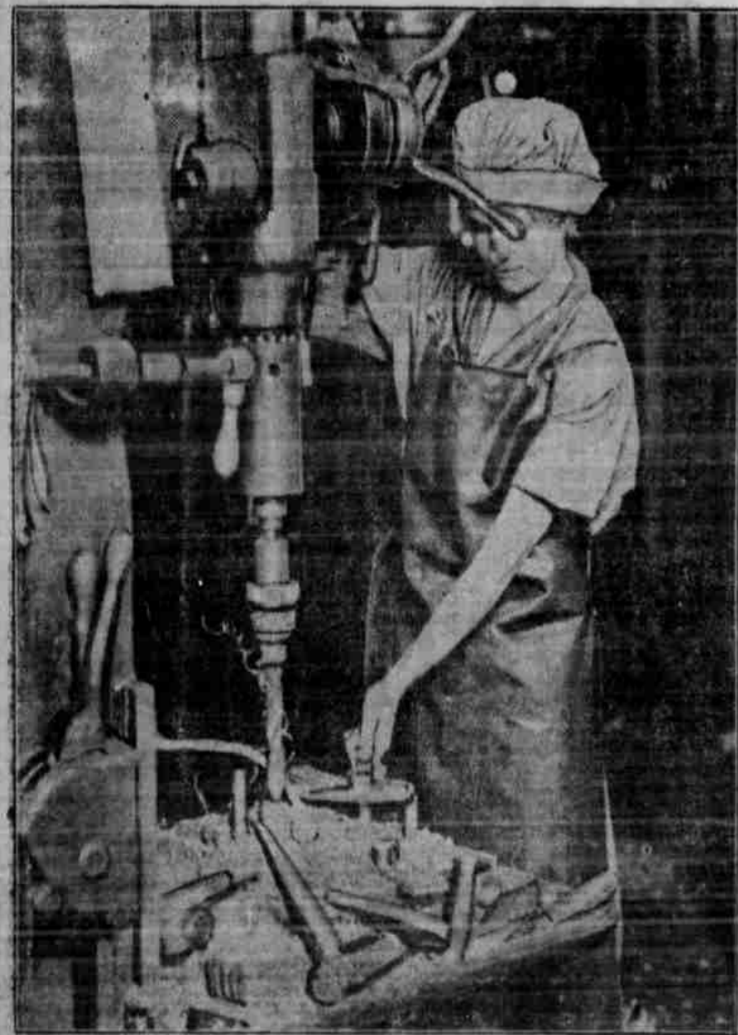
246 State Street
Phone 97

A. I. EOFF

DISTRIBUTORS--CHEVROLET AND SCRIPPS-BOOTH CARS AND TRUCKS--REPUBLIC TIRES.

MEET US AT OUR DISPLAY BOOTH AT THE SALEM AUTO SHOW JANUARY 15, 16, 17 and 18.

WOMEN ARE GIVING MUCH SATISFACTION AS MECHANICS IN AUTOMOBILE FACTORY



The Photograph Shows a Woman Operating a Drill Press in an Automobile Factory.

The advent of women into the industrial world marks another phase of the changed conditions which the United States and the whole world is undergoing.

At a big plant in Indiana women have been employed for the last six or seven years in the trim-shop and similar departments. They may now be found in many parts of the factory, assembling small parts, operating drill and punch presses, keeping stock records and moving in countless ways on the lighter work.

Women Are Competent.

To see these hundreds of women for the first time, attired in their neat drab-colored blouser garments; seriously and competently handling their

tasks in the industrial world, is a revelation. The workaday clothes worn by the women are businesslike, trim and modest in every way. The upper part is a blouse, with the sleeves buttoning lightly around the wrists to serve as a protection against oil. Similarly, the bloomers are gathered around the ankles as a safeguard against being caught in moving machinery. These clothes are made of tough material.

Workers Are Happy.

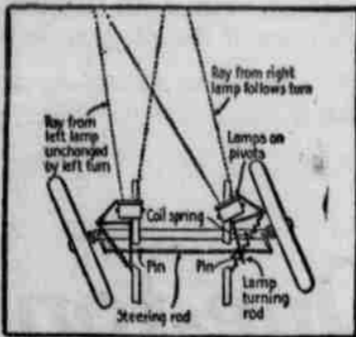
All of the women operatives seem happy and contented in this newer sphere of work. The most satisfactory part of the proposition is the thoroughness and competence with which women are handling the work.

LIGHTS BOTH ROADS ROUNDING A CORNER

Illinois Man Makes Decided Improvement in Headlights.

One Shines Up New Direction While Other Continues to Light Old Roadway--Rod Supplies Motive Power.

Because an automobile in which he was riding one evening went around corners so fast that it was dangerous, and because the front lamps were stationary and would not swing in the direction the car was going until it had



One Light Points Straight Ahead, the Other in Direction Car is Turning--Steering Rod Operates It.

turned completely, Frank E. Harvey of White Hall, Ill., resolved that certain improvements in automobile headlights were necessary. Therefore he produced a very simple and commendable invention.

The idea is to make at least one headlight turn, and that at the moment the steering wheel is revolved. Thus one headlight shines up in the new direction while the other continues to light the old roadway. In this way light is provided in the two places most needed when rounding a corner. The connecting rod between the front wheels supplies the motive power which moves the lamps. Two pins are made fast to this rod near each end, and the rod in its right-and-left movements causes one or the other of the pins to strike the arm of its bent rod leading up to the corresponding light. The illustrations show details. A spring keeps the parts taut and ready to respond to all impulses from the pins and rod.--Popular Science Monthly.

One thing that makes a man fear a woman when he sees her headed his way in the car she is driving is his inability to guess what she will do next as a Motorist.

If you think your delivery is slow look at the blocks fly.

CHANCE TRICK FATE

(Continued from page one)

so many Fords on the road is because 40 per cent of all the cars in the county are Fords. That isn't quite half of all but it is almost an even guess that when you see a car approaching that it is a Ford.

CAR IS SO SIMPLE TO RUN THAT ANY ONE CAN DO IT--EVEN WIFE

The Journal classified ads are great favorites with people who like things--Try one. The auto is so simple that the man who cares can keep his car without the aid of a chauffeur. His wife or his 15-year-old son can meet him at the station take him to the station and use the car while he is away.

For the year on taking the agency again and thought they would be swamped. In 1914 the sledding was good for the firm as it had demonstrated its selling ability. That year 266 Fords were sold at an average of \$515 each. Fords Become Necessity. In 1915, with the reduction of the Ford price to \$565, The automobile world was satisfied Fords were all right and that year the firm sold 615. In 1916 the price was again reduced, this time to \$515 and with a further reduction to \$415 in 1917, the firm put out 600 and could have sold half as many more only the output was restricted by the Ford factory.

In 1918 the Ford factory was working mostly for the government and the firm sold only 250. But with the close of the war, there is the promise that within a few months there will be plenty of Fords to go around. At last the firm has in its order for 700 for next year.

One year ago Alfred and Benjamin Vick were taken into the partnership and now Vick Bros., is the only business firm in the county with three as partners. They also operate the Eugene Branch, handled by Earl Simmons. Mr. Vick says the reason one meets