

BRAKES DESERVE MORE ATTENTION

Inspection Takes Little Time and Safety More Than Offsets Trouble.

NOVICES USE TOO MUCH OIL

The braking system of the motor car should have paramount claims to attention and care. Cleanliness is of first importance, for it is an all too common sight to see brakes which have been allowed to become caked with mud and grease, layer on layer. Much of this filth will never find its way into the business part of the brake, but some of it may, and at least such accumulations prevent proper inspection of the parts. The two ordinary attentions needed by the braking system are washing and oiling, the latter of which should be done carefully and with thorough understanding.

Modern braking systems are of two distinct types, one having asbestos fabric linings and the other metal to metal. The latter type is in a minority and is usually fitted with internal expanding shoes. These require oiling at regular intervals to prevent squeaking and excessive wear occurring in the metal surfaces. On the other hand, the friction surfaces of asbestos fabric-lined brakes ought to be kept free from oil, as that has a tendency to make them slip and so nullifies the entire braking system.

Novices Use Too Much Oil.

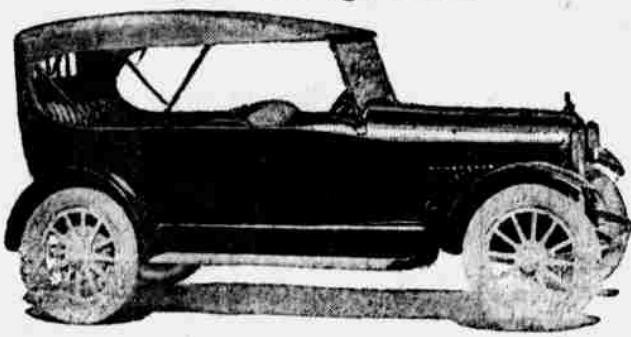
It often happens that the new owner, in his desire to heed the warnings he has received, in regard to plentiful lubrication, puts too much oil in the differential housing. From this location the excess gradually creeps into the axle tubes and works its way along into the brakes. Now, owing to the crowning of our modern highways, the car travels habitually with a list toward the right. Consequently, the right hand brake drum usually gets most of the excess oil from the overlubricated differential. When the right brake gets oily and begins to slip, while the left hand brake is comparatively free from slippage, there is set up the very dangerous condition of a braking system with the sides differing in their coefficients of friction.

Above all things, the owner should make inspection of the brakes and their actuating system a regular routine duty. There is not a great amount of work involved, and the sense of security gained by knowing that the brakes are in good condition, ready to perform their appointed service, is ample recompense for a little time and trouble.

How to Inspect Brakes.

Here is just what should constitute an inspection of the braking system: After the washing and oiling have been attended to, the condition of all the turn-buckles must be looked into, the wing nuts and other small parts where misadjustment might occur should be inspected. Next the car should be jacked up and the wheels spun by hand, which will disclose any trouble that may exist in the brakes themselves. In doing this a dragging brake shoe may be detected, its presence being indicated by a slight hissing sound and by a lack of snap in the rotation of the wheel, though this latter condition may be due to the re-

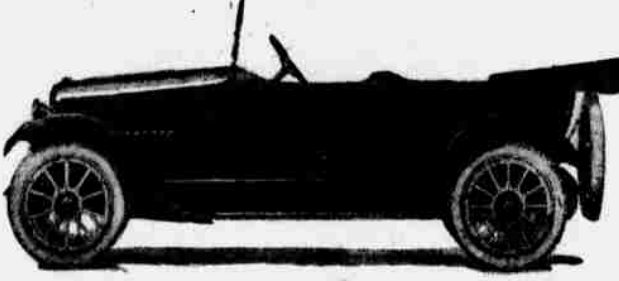
Newest of Paige Series



Apperson Chummy Roadster



Elgin Five-Passenger Touring Car



tarding influence of the friction in the mechanism as far as the rear wheels are concerned.

This dragging may have one of three fundamental causes: Distorted shoes seldom occur except in hand brakes of the external contracting type. The second trouble may usually be cured by the bending of a rod and the application of a little lubricant. The third trouble is easily attended to by adjustment of the turn-buckle or wing nuts.

Fast Boys On Track Use Dixon Lubricant

In the thirty-seven races that were held in the 1916 season under the auspices of the American Automobile Association Contest Board, 498 cars started, of which 491 were lubricated with Dixon's graphite automobile lubricants. One hundred and twelve of the 113 racing drivers used Dixon's lubricants.

The American Automobile Association Contest Board awarded 20,930 points out of a possible 22,720 points to speed kings who used Dixon's lubricants.

Dario Resta, the champion; John Aitken, the runner-up, and Eddie Rick-

enbacher, the third man in the championship contest, together won 10,450 points, or nearly half of the total points awarded. All these men use and highly recommend Dixon's lubricants.

Lincoln Highway Increases Value of Farm Lands

An idea of the appreciation in the value of farm lands resulting from the improvement of the roads is making itself evident, particularly along the Lincoln Highway. The Clinton (Ia.) Advertiser prints an article to this effect in a recent edition, the article being taken from the Des Moines Register, and stating:

"The importance of permanent roads was demonstrated here this week when Dr. Thomas J. I. Downes bought back at \$298 an acre a farm he sold six years ago at \$150.

"Since he sold, the Lincoln Highway has been laid out passing the farm."

Fulton Wins Favor. The fine work of Fred Fulton in his recent New York bout has won such favor with the Gotham fans that they are now counting him strongly as the next heavyweight champion.

Merchant With Motor Power Meet Christmas Rush

"This last Christmas season, more than any other of previous years, gave merchants the country over their big opportunity to demonstrate just what sort of service they were really capable of giving their customers," says Henry T. Meyers, sales manager of the commercial car division, Studebaker corporation. "Due to the unprecedented prosperity of our country, Christmas buying was unusually heavy—general business conditions, in fact, were never better. And now, after the big rush of holiday trading is about forgotten by the public, the greater share of up-to-date merchants have become fully convinced that they should put as much care and thought into securing their delivery equipment, to render superservice under all conditions, as they do in building their accounting systems, selecting their merchandise or hiring their clerks.

"Merchants with motor equipment met the holiday rush with the conviction that they would be able to give the same service as during the ordinary trend of business—and right now these progressive men have the satisfaction of knowing that their foresight has been responsible, in a great measure, for the unimpaired prestige of their establishments."

Chicago Y. M. C. A. Trains Negroes to Drive Autos

The problem of finding good jobs for negro boys has been solved partially by the Chicago Young Men's Christian association in the establishment of a motor car school, which is finishing its first year. During the year 123 have enrolled in the school. Eighty-seven have completed the course, and seventy-two have been placed in motorcycle shops, garages, as drivers of trucks and delivery cars, and as private chauffeurs. All graduates have passed state examinations.

Office Building of Willys-Overland



"Big Gus," High Type Drop Forger At Mitchell Motors Racine Plant

"Big Gus," one of the long line battery leaders in the drop forging section of the big Mitchell motors plant at Racine, is only one line example of the type of loyal employees who have been with the Mitchell company for many years.

In the Mitchell Motors plant, grandfather, son and grandson work side by side in the various multiple departments grinding, like gods, exceeding fine but with smiles on their faces. Here the visitors by thousands every year are most impressed with not only the orderliness and humming efficiency shown in miles upon miles of separate departments, but also with the self-discipline and evidence of confidence and contentment everywhere.

Scores of Mitchell employees have been there doing the same kind of work during periods of from twelve

to twenty-five and even up to fifty years. There is no "floating population" at Racine. During over three-quarters of a century—in fact, eighty years—the Mitchell people and the Mitchell family of employees have to the largest extent lived their lives in building Mitchell products of highest type and profiting thereby, not only from the fruits of their labor, but in their friendliness one for another and in their happy homes.

These are the experts who under the efficiency methods of John W. Bate will this year build over 25,000 new Mitchell cars for prompt delivery everywhere in America from the Mitchell Motors model plant already doubled in capacity for 1917 business.

No other plant in the country, it is said, builds a larger percentage of a complete automobile, and no other car in this class is built complete bodies and all, by one maker.

Many Motorists Follow Advice of See America First

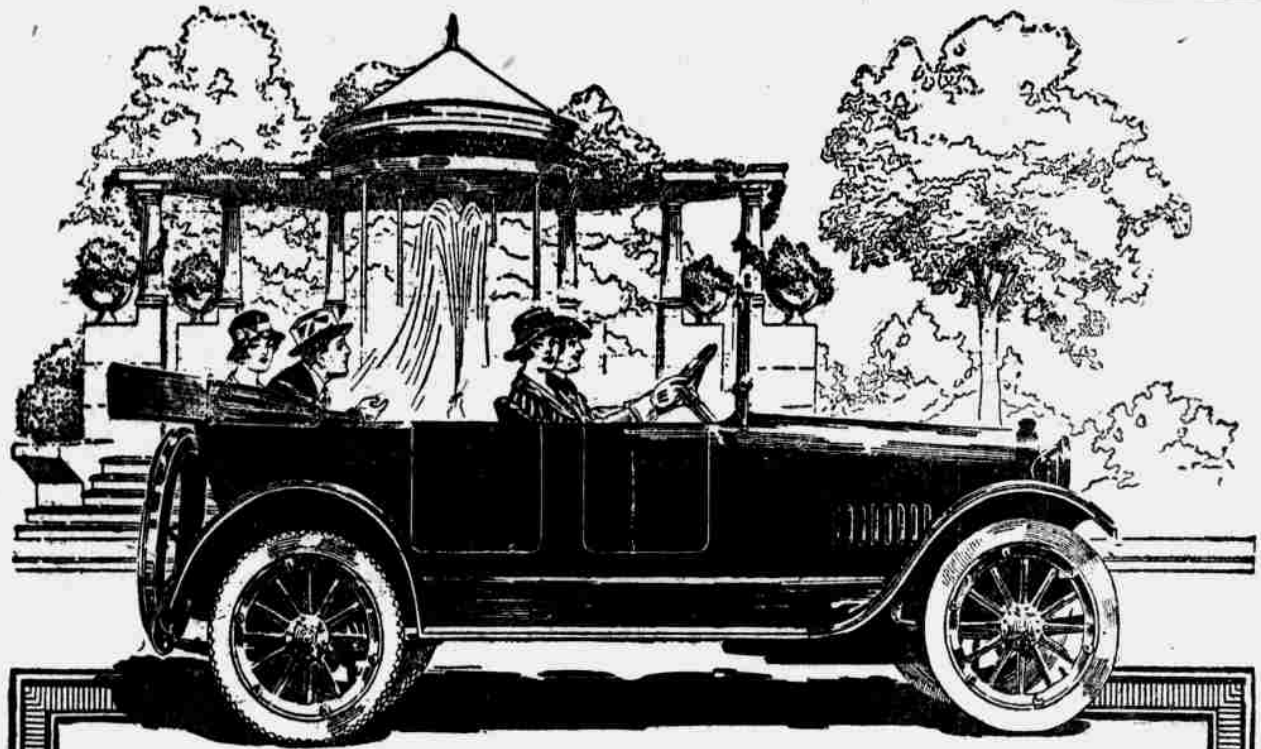
"See America First" has been such a potent slogan that the year 1916 was the one in which the high-water mark of automobile touring was reached," says James A. Hemstreet, manager of the New York City touring department of American Automobile association.

"Thousands of motorists who have spent former years touring in Europe were forced by war conditions to do their motoring in this country, and its beauties were viewed with amazement and delight. A vast majority of these tourists little dreamed of the wondrously picturesque places and the almost perfect hotel service which could be found here. It is very safe to say that many thousands of motorists will more frequently spend their summers and winters in this country than in former years, and many of the delightful inns throughout this country, which had formerly received scant patronage, will be visited each year by an ever-increasing army of motorists who are learning to appreciate our good roads and pleasant stopping places.

"New England probably received a larger portion of motor travel than any other section of the country because of the larger amount of advertising which has been done systematically by the hotel association and the railroads.

"The generally good condition of its roads and its beautiful scenery have been brought to the attention of motorists.

"The outlook for 1917 is extremely bright for motor travel in this country. Road conditions are rapidly improving, and contractors are beginning to properly post detour signs where it is impossible to permit travel over construction work. Our department has been busy compiling routes for the coming year and is making many surveys. The reports from our more than 600 clubs and the various highway commissioners convince me that this year will be an even greater year than the last for motor travel."



The Car That Sets a New Standard

In designing the new 1917 Glide our engineers were instructed to produce a car of the highest grade that was not only handsome in design, roomy, comfortable and luxurious in its appointments and refinement, but most important of all, as well-balanced and mechanically perfect a machine as human ingenuity and expert skill could produce. Quality and efficiency were vital considerations. Under the direction of our chief engineer the best tested units of the most expert producers were scientifically designed and co-ordinated to produce a perfect machine—light—flexible—powerful and efficient

We submit the result of their efforts in the new Glide Touring Car, which will be exhibited for the first time at the Chicago Automobile Show, with the fullest confidence that a careful comparison of its specifications with those of any other "six" will quickly convince you of its superiority.

GLIDE "LIGHT SIX" \$1250

- High Speed Motor, 3 1-8x5
- Westinghouse Ignition System
- Brown-Lipe Transmission
- Hotchkiss Drive
- Willard Battery
- Stewart-Warner Gasoline Feed
- Fabroil Timing Gears

- Westinghouse Starting System
- Westinghouse Lighting System
- Spicer Universal Joint
- Rayfield Carburetor
- Goodyear Tires
- Dry Multiple Disc Clutch
- Yacht Line Body Design

You are invited to inspect this handsome new car at the Omaha Automobile Show—Space H in Palm Room, Auditorium.

If you cannot visit the Omaha Show, write for literature, giving complete specifications and detailed description, or call at our Omaha Salesroom for demonstration.

THE BARTHOLOMEW COMPANY, Peoria, Ill.

WESTERN DISTRIBUTOR NEBRASKA GLIDE AUTO COMPANY—Omaha, Neb.

Avery Building, Opposite Union Station.

Phone Douglas 44.



Picture all you would have in a motor carriage? Then from the masterly Packard line you may realize your ideal

It takes time—and accumulated knowledge and skill—to bring the products of art or industry to their finest and most individual expression.

Back of every great picture—and every great design in automobiles—stands a man or an organization with the faith and force to work out original ideas in new ways.

America's largest staff of automobile engineers, out of

a rich, time-tested experience, has created an unmatched line of motor carriages—for your Spring selection.

A car for every taste—now!

But already certain types are nearing exhaustion—in spite of Packard's forehanded preparation for the greatest automobile year.

A powerful, quick, luxurious Twin-six? Surely, in it you may realize your ideal.

Ask the man who owns one

Choice of twenty body styles. Prices, open cars, \$3050 and \$3500, at Detroit. See THE ORR MOTOR SALES COMPANY 40th and Farnam Sts., Omaha Branch at Sioux City, Ia. SPACE 14—OMAHA AUTO SHOW

