

In the Automobile World

ADJUST THE BRAKE TO INSURE SAFETY

Proper Braking Devices Are Quite Essential at All Times.

Brakes are the only safety device on the motor car and when they are adjusted that faulty or improperly adjusted brakes can be quickly corrected and made to function properly it is oftentimes criminal negligence to allow them to go unattended to.

In case brakes are not working properly, it is very likely that they have become coated with oil or grease, which acts as a lubricant. This condition is dangerous, for it may cause the brakes to slip when applied. At the earliest opportunity the lining and brake drum should be wiped clean with kerosene.

The brake lining may have become worn so that insufficient pressure is brought to bear against the revolving metal drum and the car cannot be stopped quickly. A few adjustments which any mechanic can make while you wait, will often compensate for the reduced thickness of the worn lining.

If the lining has become worn beyond the margin of safety, it is best to take no chances, but to have the brakes relined. In the selection of new brake lining, the motorist should be guided by the experience of the leading automotive engineers, who have made numerous analyses and tests of various kinds of brake lining materials. The wise motorist is satisfied not alone in being able to drive a car, but thankful that he can stop it. He values a smooth, short stop no less than he appreciates a quick, easy getaway. Watch your brakes—enjoy great comfort and safety.

And while brakes are vital in the safe operation of a car, they should not be used any more than necessary. The best way to avoid brake troubles is to use the motor as much as possible as a brake on the hills. If you are going down a steep hill, put the car in second and let the motor hold it back. If the hill is very steep, get into low and slide down. If you have never tried this you do not realize

what power there is in the motor to hold the car back. It is safer and greatly prolongs the life of your brakes.

MOTOR NOW CLASSIFIED AS AN "ECONOMY"

One combination which is showing real team work in slashing at the high cost of living is the automobile and the improved condition of highways. Years ago an automobile was purely a luxury, later it became a necessity, and now it is a real economy. By means of it the city dweller is enabled to live outside of the high-rent districts without sacrificing valuable business hours.

Furthermore, he can now live where he can have his own garden and laugh at the soaring prices of food products. Recreation and clean, pure, health-giving, fresh air are provided for himself and the whole family. The farmer, who formerly had to plan his trips to town in order not to interrupt his scheduled work, can now run into town on a minute's notice to get needed supplies or for a bit of recreation. Instead of being hours from town, he is now but a few minutes. It is just as good as moving closer.

Water in Crankcase Oil.
Few motorists realize that a comparatively large quantity of water gradually accumulates in the crank case, mixing with the oil and forming an emulsion, which has impaired lubricating qualities. This accumulation of water is more pronounced in winter than in summer, and is found to a greater extent as the number of cylinders increases. This brings out the importance of changing the oil every 1,000 miles, and for the best lubricating results every 500 miles, in which case the old oil may be run through a chamolite skin to remove the water, after which it may be used again.



Dependable Spark Plugs

The unfailing dependability of Champion quality construction has justified every claim made for it, even under the most adverse motor conditions.

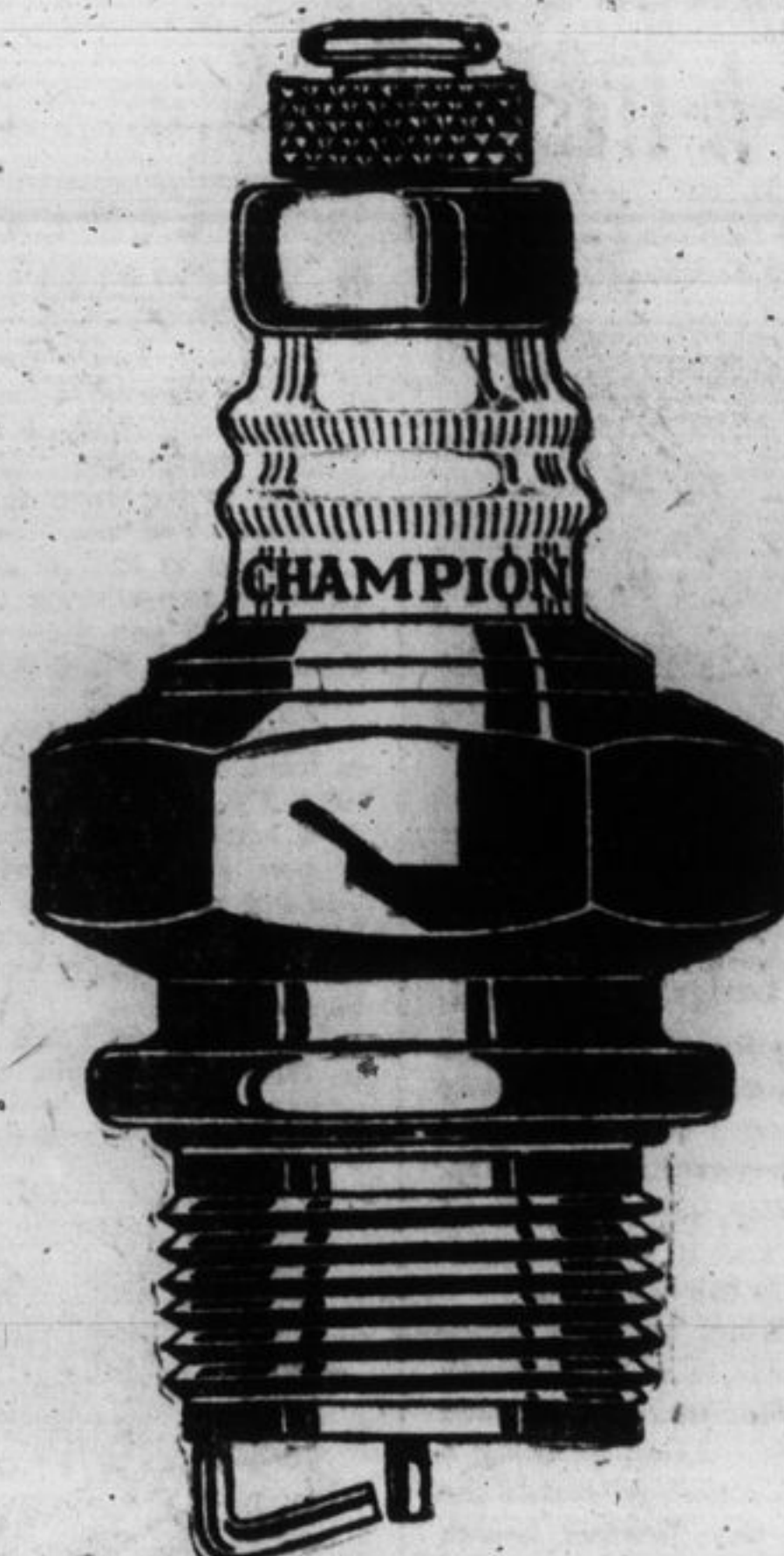
There's a world of satisfaction in knowing that Champion "3450" insulators stand shock, vibration, heat, expansion and rough usage to an unusual degree, especially when you require emergency service.

The best indication of the satisfactory, efficient service of Champions is contained in the fact that they are regular factory equipment in over 300 different makes of motors and engines in Canada and the U.S.

Make "Champion" on the insulator your guide to satisfactory spark plug service and you'll eliminate all worry, delays and costly experiments.

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Champion Spark Plug Co. of Canada, Limited
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Champion Heavy Duty
JAS-43, 1/8-inch, 18, Price \$1.00
For use in heavy service motor cars, trucks, tractors and engines

Automobile Activities Throughout the World.

Belgium has 12,000 motor vehicles.

The average motorist consumes 300 gallons of gasoline a year.

Motor "invalid chairs" are designed in England for disabled soldiers.

In Sydney, Australia, a large motor show will be held in the early part of 1927.

France and England surpass the United States in the operation of motor bus lines.

Motor car license fees in British Guiana range from \$10 to \$48, according to the horsepower.

Automobiles are doing no less than twice as much passenger traffic as the railroads in the United States.

Out of approximately 7,000,000 motor vehicles in the United States, 6,500,000 are used for commercial purposes.

A motor hospital, which visits remote districts to treat patients, is operated by the Health Department in Chicago.

It is estimated that it will take no less than six years for automobile manufacturers in France to catch up with their orders.

There are no less than 375,000 motor trucks in the United States equipped with pneumatic tires, and

275,000 running on solid tires.

A pushcart garage is a new kind of institution established in New York City, through the growth of the pushcart markets on the lower East Side.

On account of labor shortage in country districts throughout the United States, motor trucks and tractors are becoming a necessary factor on farms.

Of the 700 different dimming devices for headlights tested by the New Jersey Motor Vehicle Department, only 60 have been passed by the commissioner.

Between 1,500 and 2,000 farmers recently attended a motor tractor demonstration at Knoxville, a little town in Iowa. Fifteen tractors were entered and 13 completed the plowing.

With the completion of the supply of motor apparatus, the Public Department of Philadelphia will have 35 auto patrols and three police motor cars. The department is to be 90 per cent. motorized.

New York States has a "Healthmobile," a large motor truck designed to carry educational health campaigns into isolated rural districts. The car carries an electric storage battery equipment and a large motion picture machine.

DOES THE MOTOR CAR BENEFIT ONE'S HEALTH?

Autos Will Be Means of Adding Years of Life, Says Physician.

Dr. Henry William Smith, writer on scientific subjects, classifies the benefit of motoring under three heads—physical, mental and volitional.

"It is the muscles of the arms together with those of the chest and abdomen, that pre-eminently and habitually suffer. Here we find undevelopment, softness, flabbiness and accumulation of an wholesome fat. And it is precisely here that the steering wheel of the car may come to the rescue. It is true that the handling of this wheel, particularly if the car is small, is not a very strenuous form of exercise, but that instead of being a defect, is an essential merit. It is not desirable that the little muscles should be called upon to make a powerful effort. Their best interests are met by precisely the kind of efforts that the steering wheel, supplemented by the handling of the gear and brake levers, calls for: mild, but persistent action."

Dr. Williams points out that, in addition to the exercise, the motorist has been in the open air, buffeted by the winds inhaling ample quantities of oxygen to meet the increased needs of the accelerated currents of blood corpuscles and the digestion and assimilation are thereby facilitated and the toxic products accumulated through former inaction progressively are in increased measure oxidized and eliminated.

MANIA FOR SPEED WEARS OUT TIRES

Not Only Dangerous to Others, But Costly to Owners of Cars.

The automobile speeder sows more seeds than those of possible disaster when he "lets her out." He is also speeding up his tire expenditure, for fast driving is destructive to any casing, according to a local tire expert.

If the speed mania is so strongly entrenched that the victim cannot desist from the dangerous sport, he should obey two rules if he would avoid the prodigal purchase of tires: No. 1 is to ride slowly over rough roads and take turns cautiously. No. 2 is to increase the pressure in his tires from two to six pounds above normal.

Specially built tires, such as used by racing drivers are required for speeding. The faster a tire is driven the more heat it generates internally. Normal speed will not raise the temperature of rubber to a dangerous point.

Some motorists drive at the same

speed over a rough road that they do over a boulevard, and they wonder why it is that their tires wear away so rapidly.

Watch the speeder negotiate a rough road—just about as fast as his car can travel and notice the rear wheels as they strike an obstacle. The shock comes so abruptly and so forcibly that they are usually raised off the ground. Perhaps only an inch or so, but during that fraction of a second when the wheels are off the ground the tension is released on the engine and the wheels spin much faster.

Consequently when they strike the road the ground itself must do some break work, having the same effect on the tire tread as that of a rasp being run over its surface.

An average speed of twenty-five miles per hour gets the most mileage out of the average tire.

Active steps have been taken toward the construction of a pipe line from Havre to Paris to permit American fuel oil to be discharged at the port and pumped to the capital.

CANADA'S PROSPERITY LIES IN GOOD ROADS

Good roads bring all parts of the community together; they make a more united people. Produce can be hauled to market; merchants will do a better business if persons are enabled to reach their headquarters, and the entire community is benefited.

No community can afford to let its roads deteriorate. It is well known that no highway is better than its poorest part. A uniform program is needed in each town, county and province, with which federal officials can co-operate. If this is done there will be an improvement in the country's highways and the result will be better health, commerce and living conditions.

Is Your Tongue Furred? Have You Headache?

How few feel well this time of the year? The whole system needs house cleaning; the blood is impure; it needs enriching. Nothing will do the work more effectively than Dr. Hamilton's Pills. Take them at night and you feel better next morning. They work wonders in the body while you sleep. Being composed of pure vegetable extracts and juices, Dr. Hamilton's Pills are safe for the young and old alike. Try this wonderful family medicine to-day. It will do you a world of good. Whether for biliousness, headache, lack of appetite or constipation, Dr. Hamilton's Pills will quickly cure, 25c per box at all dealers.

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Canadian Women Find Marked Advantages in This Sedan

DAINTY summer dresses are safe in this Sedan. In sudden storms you raise the windows and drive on, with view unobstructed.

"Sun out again"—windows are lowered to breezes, but hot rays do not penetrate the permanent top. When leaving the car, parcels or wraps may be locked in.

Women particularly appreciate the wonderful comfort of Triple Springs—ending all fear of rough roads.

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