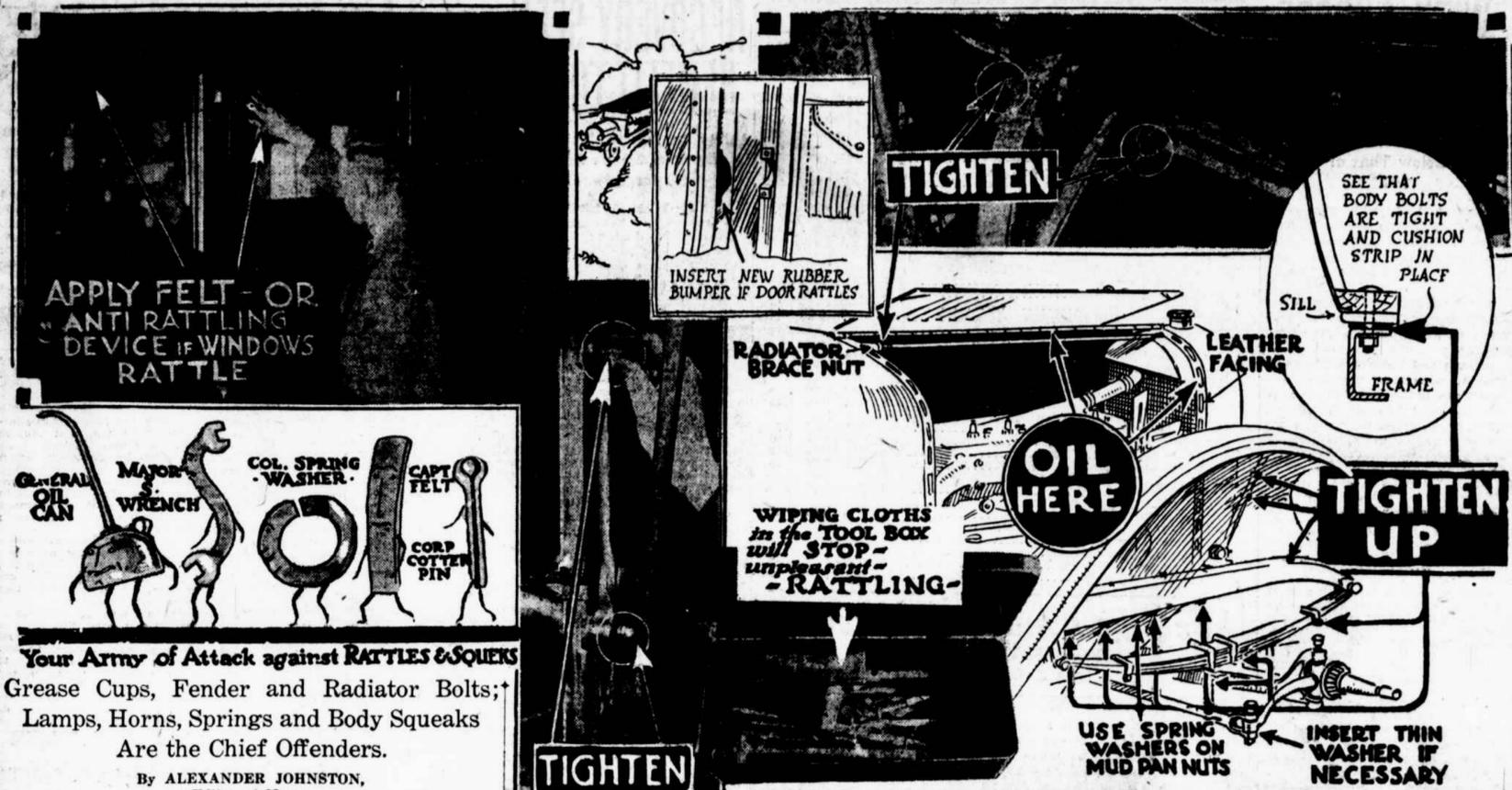


Car Rattles and Noises Cause Untold Annoyance to Car Owners

Most of Them Can Be Eliminated, but the Trouble Is to Find Them



APPLY FELT - OR ANTI RATTLING DEVICE IF WINDOWS RATTLE

GENERAL OIL CAN
MAJOR WRENCH
COL. SPRING WASHER
CAPT FELT
CORP COTTER PIN

Your Army of Attack against RATTLES & SQUEAKS
Grease Cups, Fender and Radiator Bolts; Lamps, Horns, Springs and Body Squeaks Are the Chief Offenders.

By ALEXANDER JOHNSTON,
Editor of Motor.

The difficulty with rattles about the car is not to cure them, but to find them. In other words, almost any rattle can be remedied easily enough, but it is hard to find exactly where the annoying sound is coming from. Suppose we examine some of the commoner places in which rattles develop.

In the first place, neglected grease cups are frequently responsible for most annoying squeaks which are hard to find. Keep all the grease cups filled and turned down and one source of trouble will be obviated.

Another frequent offender is the stove bolt which holds the fender in place. These bolts often work loose and allow the fender to weave against the frame, giving out a metallic squeak that is very annoying. The cure is obvious; keep the bolts tight and if need be put spring washers behind them.

Radiator bolts often work loose and this applies not only to the nuts at the top but the one on the rod holding the hood in place. Loose lamps are a common seat of rattles and such parts as horns which are attached to the chassis. The bolts which hold the engine to the frame sometimes come loose and when they do they impart a rattling to the sound of the engine, which is almost unmistakable.

Rattles in the brake linkage and other parts underneath the chassis are best located by some one standing on the running board while the car is coasting in neutral.

Body squeaks are prevented by most car manufacturers by using anti-squeak material between the body and the metal upon which it rests. This material is designed to prevent contact between the two metals, but if it wears out, of course, the metal of the body touches the metal of the frame and squeaks result.

The hood or bonnet clip is the seat of squeaks that are difficult to locate. If this part is found to be offending a squirt of oil will silence it. Windshield rattles are easy to locate, and the cure is obvious, simply tightening. The top, on the other hand, can house more rattles and squeaks that defy detection than any other part of the car. A little oil applied wherever the metal work comes against metal, is about the best remedy for this.

The noises that we have touched upon here are the rattles and squeaks of body and chassis and not the mechanical noises of the engine and mechanism. Just by the way, however, and lest we forget, let us recall that improperly adjusted tappets, knocks in connecting rod and main bearings, leaky exhaust, carbon buildup, piston slaps, etc., can all be obviated by care beforehand. Lubrication, plentiful and correct, is the cure before hand. Get oil in any place where metal rubs on metal, whether it be in the gears on the frame, and you are curing noises before they get a chance to develop.

12,000 SCHOOLS USE BUSES AS CARRIERS
Day of Isolated Little Red Schoolhouse Is Numbered.

There are 12,000 schools in the United States now using buses to transport their pupils. The day of the little red schoolhouse is numbered. Consolidated or community schools are taking their place because of the increased educational facilities and standard permitted by pooling of appropriations.

Better buildings, better equipment, better instructions are the immediate result. But with consolidation comes the factor of distance, so buses were the answer and this form of transportation is making good for better education.—From Federal Traffic News.

Maybe It's Worth It.
The smallest cycle car made in Austria, with an eight-horsepower, air-cooled, one-cylinder engine, laced in the rear of the car, is built for two or three passengers, at its price without tires is 300,000 crowns.

SLASH IN BATTERY COST IS WELCOMED

General Reduction in Price Was Started by Prest-O-Lite Action.

The general reduction of the price of storage batteries of standard makes was started by the Prest-O-Lite Co., Inc., in a recent announcement which brings the prices of all high grade standard automobile batteries manufactured by this company down to the lowest point that motor car owners have known in several years.

"This last reduction in storage battery prices will be welcomed by the automotive public and is a further indication of the policy of the Prest-O-Lite Company to reduce prices as quickly as possible to a pre-war basis," says J. J. Beatty, the local Prest-O-Lite distributor.

"High prices of storage batteries, at least as far as Prest-O-Lite is concerned, can take to a deep hole and pull the hole in after them."

"It will be recalled that Prest-O-Lite was the last manufacturer to increase prices and the first to announce a reduction. These new prices will apply to all types and sizes and are for the powerful, long-lived Prest-O-Lite batteries that are standard equipment on eighty-seven makes of motor cars and trucks."

"Only one grade of battery is manufactured by the Prest-O-Lite Company—it is the battery with the improved Prest-O-Plate.

"The most important factor in battery service is derived from the plates. On them depends reserve power, strength and life. If they go wrong the result is expensive upkeep and finally a useless battery. Prest-O-plates, the heart of Prest-O-Lite batteries, have been brought to their present high state of perfection by the careful mixing of the paste to insure uniformity, and the expert moulding of the grids. The 1922 Prest-O-Lite product is the best we have ever offered and at the phenomenal reduction in prices offers the most for anybody's battery money."

41,392 Cars Exported.
During the year 1921, 41,392 motor cars were exported from the United States. Of this number, Latin American countries received 13,729; British North America, 6,398; Asiatic countries, 6,012; Europe, 5,459; Oceania, 4,625; non-contiguous United States territory (consisting of Hawaii, Porto Rico, the Philippines and Alaska) took 3,642, and Africa, 1,526.

OSGOOD SALES MANAGER FOR STANLEY HORNER CO.
W. D. Osgood, for the past six years with the Buick Motor Company and now with Stanley H. Horner, of 1915 Fourteenth street, has been made sales manager and will have entire charge of the retail sales of Buick cars.

\$100,000 DAMAGE IN BLAZE AT UNION, S. C.
UNION, S. C., April 1.—Four buildings were destroyed and several others badly damaged by fire which swept the business section of Union early today.

Fanned by a high wind the flames for a time threatened the residential section, and were brought under control only with the greatest difficulty. Damage was estimated at more than \$100,000.

An excellent lubricant for small and exposed parts is a mixture of half-and-half engine oil and kerosene. The kerosene loosens the rust, evaporates and leaves oil wherever applied.

MERGER OF MOTOR TRUCK FIRMS MADE

Organization Marks Beginning of Closer Relations in Industry.

The organization of the National Association Motor Truck Industries, at Detroit on March 21, marked the beginning of a closer relation and broader scope of motor truck industry.

At this organization meeting, M. L. Pulcher, vice president and general manager of the Federal Motor Truck Company, was elected president. A campaign has been mapped out whereby the unit and parts makers will co-operate with the truck makers to improve conditions in the industry.

It is the object of the association, says Mr. Pulcher, the new president, "to solve transportation problems from the standpoint of the truck owner, so that the industry may keep pace with the demands of traffic."

E. W. BeSaw Declares Business Much Brighter, in Talk With D. R. Lehman.
E. W. BeSaw, vice-president of the Oldfield Tire Company of Akron, Ohio, visited Washington this week and spent considerable time going over the local tire situation with D. R. Lehman of Lehman's Tire Shop, distributor for Oldfield tires.

Mr. BeSaw stated that throughout his tour of the Eastern States during which he has seen all of the large distributors of Oldfield tires he has found Oldfield business materially increasing and spring prospects unusually bright. The Oldfield business now shows an increase of 155 per cent over the same period of last year. Eighty carload shipments have been made since December 8 to this year.

Speaking of the possibility of an increase in the price of Oldfield tires Mr. BeSaw explained that owing to the fact that Oldfield tires are being built of materials purchased at the low current market price there was little possibility of an advance this spring.

Mr. Lehman who has been met with considerable success as Oldfield distributor here has placed an order for a carload shipment, the second since the first of the year.

OLDFIELD TIRE CHIEF VISITS LOCAL DEALER
E. W. BeSaw, vice-president of the Oldfield Tire Company of Akron, Ohio, visited Washington this week and spent considerable time going over the local tire situation with D. R. Lehman of Lehman's Tire Shop, distributor for Oldfield tires.

HINTS UPON CARE OF AUTO SPRINGS

Following This Advice in Lubricating to Stop Squeaky Noises.

It is quite a common habit of a good many car owners and garages to lubricate the car springs between the leaves with motor oil to eliminate squeaks, and afterward complain about the bad riding qualities of the car.

The car springs on the Earl cars are painted between the leaves with a silica graphite paint which is indestructible and provides sufficient lubrication to avoid squeaks, but does not destroy the friction between the leaves which is necessary on a car to absorb the rebound of the springs. If the springs are lubricated with oil to overcome this friction between the leaves, the car will rebound very badly and cause a bad riding condition.

It is therefore recommended before lubricating springs to locate the squeaks either in the spring shackles, between the sheet metal

parts, or in the body sill, and by lubricating these places it will be found in most cases the squeaks will disappear. However, if a spring is squeaking between the leaves it is much more permanently repaired by removing the spring and polishing off the high spots, which might cause metal-to-metal friction, and then coat each leaf thoroughly with silica graphite paint.

Motor Buses in Bermuda.
A majority of the legislative body of Bermuda has at last agreed to permit a system of motor busses for passengers and freight. Private motor cars, however, will stay under the ban.

PREST-O-PLATES

Mean Plenty of "Pep"

They are the backbone of Prest-O-Lite Batteries. Better than ordinary plates, they make Prest-O-Lite Batteries better than ordinary batteries. Prest-O-Plates combine a peculiar porosity with an unusual hardness, which explains their quick delivery of power in cold weather, and great, heat-resisting, non-buckling strength in summer. We have Prest-O-Lite Batteries as low as \$19.90 (trade in price) for popular makes of light cars, and other types at correspondingly low prices. These are not special models, but regular Prest-O-Lite Batteries, backed by the regular Prest-O-Lite guaranty; a definite, generous obligation, plus a spirit that says the car owner must be pleased. Prest-O-Lite Batteries are specified by 87 leading manufacturers, and this list is growing.

How is your battery working? Is its pulse low? Come around and consult our specialists. We prolong the life of all batteries, and we never tell you that you need a new battery until you do. Drive around, and get our friendly expert advice.

POTOMAC BATTERY COMPANY
1236 Twelfth St. N. W. Telephone North 5773
National Tire & Battery Works, 720 1/2 St. E. F. B. Fulham, 1233 7th St. N. W.; Baumer & Johnston, 719 N. Capitol St.; Speedway Auto Supply, 1414 & B Sts. S. W.; Boyd Tire & Battery Shop, 650 Pa. Ave. S. E.; Mt. Pleasant Battery Service Station, 1783 Florida Ave. N. W.; at 18th & U Sts.

THE OLDEST SERVICE TO MOTORISTS

\$19.90

and up
Trade in price

Headquarters for Prest-O-Lite's special battery for radio purposes

NOTICE TO

All Automobile Owners

Why be troubled with bad gasoline when you can buy Filtered Gasoline for the same price?
We guarantee every gallon of gasoline we sell at our station free from dirt and water, and you know what that means to your motor.
We haul and filter every gallon of gasoline we sell at our station.
Pure Filtered Standard and Texas Gasoline, also Super-Motor Fuel, with all the service you want.
No charge for draining oil. Air boys to fill your tires.
Full line of genuine Mobil Oils and other good oils. Also Quaker State for Franklin motor cars.
Buy your gas and oil at the **CAPITOL GASOLINE STATION**, where you will always get good, clean gas and only the best grades of oil.

Capitol Gasoline Station

FOOT OF CAPITOL,
First and Maryland Ave. S. W.
Open from 7 A. M. to 11 P. M. every day.

Champions

For Every Engine Everywhere

Last You Longer

Champion Register now 75
Champion X 2 1/2 1/2 1/2

Your Dealer has Champions and can tell you why You should buy a full set.

CHAMPION SPARK PLUG CO. Toledo, Ohio

Personal Touch

There are various forms of advertising, but none of them makes the appeal registered by the small Want Ad. And this is true because in the Want Ad there is always a touch of intimacy, a suggestion of character and personality. As you read it your imagination is stimulated and you find yourself visualizing the man or woman who inserted it. Your curiosity is aroused and you want to know more about the person back of the ad and the article, employment or services offered. You investigate. A deal is closed. You are satisfied. You are glad of the efficacy of the Want-Ad.

The Washington Times

MATERIAL

Seat Cover Upholstery & Top

Nails
Glass
Binding
Mouldings

Second Floor
939 D St. N. W.
R. L. Hooven Co.

Are You Keeping Up With The Times?