

IMPROVED ROADS REDUCE EXPENSE OF RUNNING CAR

By ISRAEL KLEIN
(NEA Service Writer)

Improved roads this year will save you 25 per cent in fuel and up to 50 per cent in tire wear.

That is, only as long as you can run along at an even rate of about 25 miles an hour on smooth concrete or improved macadam highway.

This is the assurance given to motorists by highway engineers of Washington state, of the bureau of public roads at the national capital, and of Iowa State college. They make this point after a series of tests on different types of roads under varying conditions.

In Washington, for instance, it was found:

1. That the rate of tire wear increases with the increase in speed.
2. That even this rate of increase grows with the speed.
3. That there is a continuous increase in fuel consumption with increase in speed.
4. That there is more loss of power at high speed, due to spinning of wheels and road slipping, besides loss from air resistance.
5. That tire and fuel costs are about three times as great on good macadam as on concrete, and eight times as great on poor macadam as on concrete.

The Iowa tests showed that the fuel consumption on poor macadam ranged from 108 to 157 per cent of that on concrete roads.

From the tire wear tests the engineers conclude that the tire wears off about 17 times as fast on good macadam as on concrete, and 55 times as fast on poor macadam.

No pick out the concrete highways, for economy's sake, and go at an even pace of from 20 to 25 miles an hour. It's safer, too.

POOR BRAKES ARE FOUND PLENTIFUL

(By NEA Service)

NEW YORK, May 9.—One sixth of the automobiles being driven today are run with defective brakes, is the conclusion of New York traffic and safety commissioners, after testing brakes for a year.

In this year's time, 73,633 automobiles were stopped on the streets of New York and their brakes tested. Of these, 10,517 were found with one brake defective. In addition, 22,200 automobiles had both brakes practically useless.

Drivers that had one defective brake were told to have it remedied and to report for another test. Those driving with both brakes had were fined \$25.

Baron Collier, special deputy commissioner in charge of the bureau of safety here, has been in special charge of this work. He has organized a squad of police whose only duty it has been to stop automobiles on the streets and test their brakes.

Heavy passenger cars and trucks especially are stopped and tested. Collier has found that heavy overloaded trucks especially were dangerous to pedestrians and to other automobile drivers.

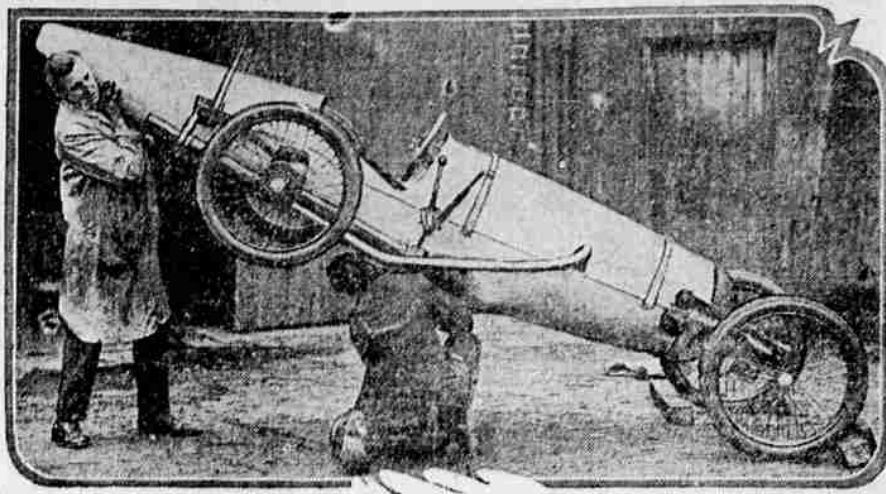
"The driver of an automobile who neglects his brakes and operates a heavy truck or other motor vehicle on the congested streets of the city without adequate braking power is just as dangerous as a speed maniac," says Collier.

No Waste Allowed

Coal gas or the by-products of the internal combustion engine are especially desired.

INSURE WITH HENRY TROMP

European Racer is Declared to be Light Enough to Fly



Put wings on this little racer and it ought to be able to soar into the air. It is so light. It's one of Europe's small racers which will compete in forthcoming racing events on European tracks. It's called the "Jappie," and can be carried easily from place to place.

Beauty of Finish Car Described by Claude Van Wyck

The impression created by a well groomed owner and an automobile on which the finish has "gone bad" is comparable to a man in a dress suit wearing old, dilapidated shoes. Simply because of many imagined difficulties in having a car refinished, many persons tolerate a shabby-looking automobile who would not permit the least shabbiness in any other possession. They are apt to say it takes too long—the car looks refinished and not new when the job is done—and even then the new finish doesn't last long.

"While these arguments are true about ordinary finishes, they do not apply to Duco, an automobile finish developed and perfected by E. I. du Pont de Nemours & Co., Inc. This material is now being used as the standard factory finish on most of the leading automobiles including Cadillac, Marmon, Moon, Buick, Hupmobile, Chrysler, Maxwell, Oakland, Oldsmobile, Chevrolet, Nash, Jewett, and many others.

"We will welcome a call from you and be glad to demonstrate the quality of this superior finish. You will find our process of application and our durability tests both interesting and instructive.

"Drive around or telephone and we will give you an estimate of the cost and a delivery date for giving your car a 'new' appearance that will last. From our wide variety of colors, you will be able to select a combination of shades that will surely please you," says Claude Van Wyck, manager of General Auto Painting, 7th and Charnelton.

Theft Bureau is Factory Feature

OAKLAND, May 9.—(Special)—What is practically a bureau of clearing theft reports, which is being carried on in the regular course of daily operation of the parts and service department of the Durant Motor company of California, is a unique feature of the factory operation here.

Through an accurate description of the parts service that is rendered each car, and with the record of motor, frame, chassis, and serial numbers that are furnished with request for parts in re-ordering, it has been found possible to make a "theft bureau clearing house" out of the parts department.

Bulletins sent to dealers throughout the entire Star organization which numbers well over 400 in the western territory, advise them that a theft has been reported, and requests their cooperation in location of the car, giving specific information to them, which will enable them to identify the automobile in question. This, of course, applies only to Star and Durant cars, which are built by this company.

Owners who unfortunately have their cars stolen from them are advised by factory executives to immediately get in touch with the local Star or Durant dealer, advising them of the occurrence, and, if the car was not bought from the particular dealer, giving him the necessary information that will identify the car in question. If the report is made to the dealer from whom the car was bought, it will be unnecessary to have that information for him, as each dealer keeps a complete record of all cars sold on file in his own records.

New Overland six Planned and Built For Years of Wear

Recent statements by motor car authorities and research experts attribute an average life of eight years to the modern automobile. Willys-Overland engineers who have designed and built the new Overland six, are unanimous in their belief that their new product will average even greater longevity than this period.

Months of searching and severe tests, they feel, have given Willys-Overland a car in this new model that will survive roughest treatment. Each minute detail has been designed with stamina in mind, from the selection of the raw material to the final assembly.

In choosing the material which is to be used in a given part, the work which it is called upon to do determines the selection. Chrome molybdenum steel, better able to withstand the shocks and strains to which a rear axle is subjected than any other known alloy, is used in the rear axle shafts. Differential gears and pinions are made of nickel steel—an alloy especially adapted to a use of this kind, as it lends itself readily to heat treatment which toughens it. To secure minimum wear the gears are still further hardened.

Transmission gears are also subjected to heavy strains, and in order that they may properly stand up in service, they are made of chrome carbon steel, heat treated for greater strength and wear.

THE BUTTON SHOP
Pleating, Buttons and Hemstitching.
80 7th Avenue East, Phone 1715-J.

Speedometers Repaired Calibrated and Reset

BRAKEL WHITE
89 West 9th Phone 1619

Four-wheel Brakes, Balloon Tires—and Now DUOCO Finish

Since the days of the first "horseless carriage," the motor car industry has been practically revolutionized. Self-starters, balloon tires, four-wheel brakes—these and a score of other improvements have changed the old "one-lunger" into the fast, noiseless, efficient pleasure car of today.

Yet until du Pont chemists perfected Duco, no radical change had been made in motor car finishes—as different from old-style finishes as day from night. Duco has already been used by manufacturers of cars representing millions in value. Purchasers of these cars are proving to their own satisfaction every claim made for this finish.

Duco is waterproof, weatherproof, it actually improves with age. It has a distinctive, soft lustre that actually hardly affects it. Ducts to our shop and see its test. Ducts to our shop and see its test. Ducts to our shop and see its test. Ducts to our shop and see its test. Ducts to our shop and see its test.

General Auto Painting
CLAUDE VAN WYCK, Mgr.
7th and Charnelton Phone 248

BAD DRIVING IS ACCIDENT CAUSE

(By NEA Service)

WASHINGTON, May 9.—Statistics of highway accidents involving motor vehicles, point to congestion of traffic as the principal cause. These notes have been compiled from newspaper reports of accidents in the states of Montana, Oregon and Washington by the Bureau of Public Roads of the United States Department of Agriculture.

The bureau's study shows that Montana with the lowest registration, has the smallest number of accidents to every 1000 cars, while Washington, with the largest registration, has the most accidents for 1000 cars. This does not agree with national estimates which indicate that the rate of accidents decreases with increased numbers.

During a period of eight months, newspaper reports of 1000 accidents in the three states mentioned showed the causes of accidents as follows:

- Faulty operation by driver... 1020
- Faults of others than drivers... 101
- Faulty equipment... 181
- Faulty highway conditions... 214

The detailed statement of the causes of accidents shows that 711, or more than 40 per cent of the total, were caused by reckless or careless driving.

Of the 214 accidents caused by faulty highway conditions, 19 were caused by narrow roadways and 150 by skidly surfaces.

New Star Coach is Distinctly Pleasing

The new Star coach, universally acclaimed one of the most beautiful light cars that has ever been offered to buyers in the low price automobile class, has arrived in Eugene and placed on display in the salesroom of Lane Auto company, local Star dealers. It is the first showing of the new Star coach here.

This car, one of the hits of the recent automobile shows held throughout the country, fills a definite need in the low priced transportation field. Artistically designed, yet carrying out every utilitarian idea yet advanced to automobile buyers, as well as an unusual completeness of equipment, the new coach has met with an instantaneous demand. A limited factory production has been unable to supply a growing demand for the new coach.

It is built on the same sturdy and rugged chassis upon which the great popularity of new Star car models has been built, with the standard equipment of the "MILLION DOLLAR MOTOR," four wheel brakes, and is equipped with disc wheels and balloon tires as standard, so that its performance record will be fully in keeping with the records hung up by other well known models of the 1925 Star line.

Finished in deep blue color, the whole body is circled at the top, with a double white ivory stripe.

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Supply Company Gains Laurels

When Hartz, De Paolo and Duray flashed across the finishing line at the recent Culver City classic, they not only set a new standard for speed but incidentally added a clump of feathers to the cap of the Western Auto Supply company, distributors of the Winfield Carburetors.

The cars, equipped with the Winfields made a clean sweep of the leading events of the day. Harry Hartz, winner of the main event and Peter De Paolo, runner up, ran the fastest 50-mile race ever recorded on the racing sheets. Hartz made the 50 miles in 22 min., 11 sec., establishing a speed of 135.25 mph. In the first heat, Leon Duray capped first money with his Miller special, Winfield equipped. In the second heat, De Paolo's iron steed made the fastest lap in the history of motor racing at the speed of 139.7 miles per hour. Phil Shafer and Wade Morton also drove cars equipped with Winfield carburetors.

To School by Bus

Consolidated rural schools in the United States are using more than 19,000 buses to convey the students to them. Nearly 500,000 children were conveyed to these schools daily in 1924.

Spark Plug More Important Than it Seems on Surface

By O. C. ROHDE
Chief Engineer Champion Spark Plug Company

The automobile owner who realizes anything of the actual money saving through keeping his car always in good condition wouldn't think of driving with a retarded spark. If his gasoline station charged him 10, 20 or 25 per cent more than his neighbor pays he would soon see about it. He wouldn't drive with a leak in his gasoline tank. If he discovered one, he would go to a repair shop at the earliest possible moment.

Yet, if your spark plugs have been used more than 10,000 miles, you are, in effect, driving with the spark retarded. You are really paying 10, 20 or 25 per cent more for gasoline and oil than your neighbor who has installed new spark plugs recently.

And while your gasoline tank is not actually leaking if you are using old spark plugs, your exhaust is shooting good power into the air in the form of only partially burned gas.

Spark plugs lose their efficiency so gradually that you don't realize it. They continue to fire, but their weakened spark wastes gas and oil every mile you drive, decreases efficiency of the entire engine and, as a result, increases wear on the engine's operating parts. Pick-up, speed and power are all cut down.

With a new set of spark plugs you will immediately note a marked improvement. You will get more mileage from gasoline and from oil. Power will increase. Acceleration is faster and starting much easier. In most cases you can set your carburetor on a leaner mixture.

If you have used your present plugs more than 10,000 miles, or have had them installed more than a year, you will find it real economy to put in a complete new set right away. Thousands of tests have proved that beyond question. One test by you will prove it to your entire satisfaction.

More Touring Done By Trains as Well

(By NEA Service)

SALT LAKE CITY, May 9.—The national parks of the west are expecting more train tourists this year, besides those coming by motor.

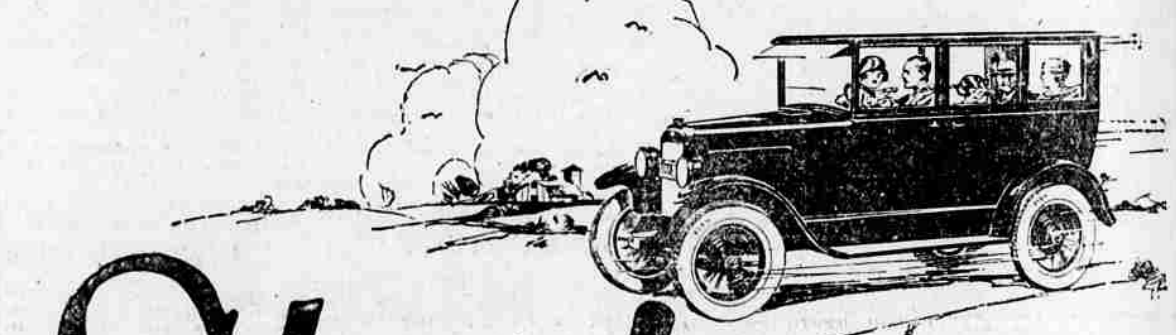
For the train tourists, the west have ordered more buses for sight-seeing purposes. Yellowstone park has 243 buses for this purpose, Glacier park has 38. Zion national park in Utah has also started bus operation for visitors.

Stephen T. Mather, director of the national parks service, says 1,422,000 persons visited these sights last year, an increase of 11 per cent over that of 1924. An even greater number is expected this year.

General Gasoline Gains Popularity

General gasoline is growing in popularity in Western Oregon even faster than it did in Western Washington.

WILLYS-OVERLAND FINE MOTOR CARS



Stop!

Look at this Value

All Steel Sedan	\$715	Its great power will astonish you. (Unmatched near the price.)
Standard Sedan	\$655	All-Steel body—safest type of body ever invented.
All Steel Coupe	\$635	Patented Triplex Springs—130-inch springbase—amazing comfort.
All Steel Touring	\$495	Extra-heavy axles of tremendous strength. Molybdenum steel.
		Big 10-inch brakes—quick stopping!
		Unquestionably Overland is the greatest dollar-for-dollar value ever offered.
		See it. Drive it. You can't help liking it.
		52 Weeks to Pay!
		Buy your Overland out of your income without feeling it. Small down payment—and you can drive your Overland home.

World's Lowest Priced Cars
with Sliding Gear Transmission

OVERLAND

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Corner 9th and Pearl Streets Telephone 592

New Performance
little short of amazing!

As soon as you take the wheel of this 1925 Oldsmobile Six—you feel its amazingly new performance!

The way it gets away—its new liveliness—its silent speed on the open road—its dexterity in traffic and in parking—all resulting from the recent improvements built into this car by General Motors and Oldsmobile!

Come in and drive this wonderfully improved Six!

Touring \$890
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837 PEARL ST.
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