

AUTOMOBILE SECTION

WATCH THE BRAKES AVOID ACCIDENTS

By Erwin Greer
President Greer College of Auto-Motive Engineering, Chicago.

Car owners and repairmen do not take time enough in adjusting automobile brakes. In your paper this morning you read of a horrible motor car accident in which "bad brakes" played the leading role. Yet, you glance at the item—and forget it. Worse still you ignore the moral it sets forth: Look to your own car and see if the brakes are in good condition.

Possibly you think that as long as the brake drums do not feel warm to the hand after you come in from a drive that the bands are not dragging. But this is not exclusive evidence that the wheels are running free. The only way to be certain of this is to jack up both rear wheels from the ground and then turn each wheel in a forward direction. When this is done, due to the centrifugal action, the wheel on the other side of the car should turn in the opposite direction. That is it will if the bands are free. While this check is being made the gears should be in neutral. Any swishing or rubbing noise resulting from the wheel while your car is rotating it is a sure sign that something is the matter and a something which should be immediately removed if you wish your car to be free from brake drag. You who have not had the experience will find it almost unbelievable what a very slight amount of brake drag will do to your car's performance, especially on a hill.

While the car is jacked up it is imperative that you first free the external brakes so that there is absolutely no contact between the brake band and the drum. Then when you rotate the wheels you can easily discover whether or not the internal brakes are dragging. If the internal brakes run free it is a simple matter to adjust the external brakes and this is accomplished by first setting the adjustment at the brake support as close to the drum as possible so that when the wheel is rotated no contact is made between the brake drum and brake band. Most brake drums are more or less out of round and be sure that contact is not made when the brakes are in the release position.

If the brake linings are worn and require replacements have it done immediately. It is aggravating to have to fool around with adjustments while on the road—furthermore it is sheer murder for yourself and passengers, for who can tell when the emergency will arise. Therefore have your brakes operating at the top-notch of efficiency at all times. If you don't you'll be sorry or rather your family will, because flowers and caskets cost more than brake linings.

NO SUMMER SLUMP IS NOW POSSIBLE

OAKLAND, Aug. 6.—Following a week's survey of business conditions in general and automobile merchandising conditions in particular in the states of Washington, Oregon and Idaho, both E. T. Tuller, sales manager for the Star Motor Company of California, is of the opinion that the possibility of a summer slump in that great section has been absolutely averted, due to the present active condition of business in all lines. Things are booming in the north-west, according to the executive who returned early this week from a seven-day sojourn which took him to all of the principal cities of the three states and into the timber and agricultural areas.

Business humming
"Business is humming in the northwest in all localities and in all businesses, while the automobile outlook is particularly bright," said Tuller. "I visited the leading cities, such as Portland, Spokane, Seattle, Medford, and a host of others in our trade research. I talked with automobile distributors in every key section of the territory. In general the tone was extremely optimistic, due to the heavy summer sales of cars and trucks, while in the case of future business they were unanimous in their expectation of a heavy August and following fall months."

Tuller, who paid particular attention to the work of the many Star dealers and distributors in the northwest, found that the Star car is gaining by leaps and bounds in popularity in the three states. All of the larger distributors, such as C. L. Boss Automobile Company in Portland, W. S. Himage Company and in Seattle, Quality and Cramer, March-Wright's Company in Spokane, were tremendously enthusiastic about the sales which have resulted since the adoption of perfected four-wheel brakes on

all Star models as optional equipment.

Trend Toward Star
A few instances indicating this general trend toward Star in the low-priced car class of buyers in the northwest follow: In Grant county, Washington, where but one wheat crop has been reaped since 1916, there have been approximately fifteen low-priced cars sold in the last three months from the dealers of the town of Conley. Ten of these sales were Star cars, while the business developed despite the reasons for a slump show the prevalence of large savings accounts and secure business with the population.

I. M. IRWIN MAKES DODGE CAR RECORD

After successfully working as a mechanic, shop foreman, and parts and accessories sales manager, I. M. Irwin is now selling Dodge Brothers cars for J. O. Newland & Son. During the last 6 months as salesman he has sold 17 cars. The experience he gained, during the 6 years and 11 months with the local dealers in Dodge Brothers cars meeting the car owners of this county and giving service to them has made him thoroughly familiar with automobile values.

"Willingness to help and fairness to customers has won him many friends among Dodge Brothers car owners," said Mr. Newland. "His efficiency in looking after their welfare has been largely responsible for our having approximately 80 per cent of the owners regular customers. He is now proving himself to be a successful car salesman."

Mr. Irwin has been assigned the territory south of Roseburg as far as Glendale in which to sell cars. Although prospects of having good crops were not bright in this section during the first part of the year, Mr. Irwin has sold 19 new cars and 6 used cars since he started as salesman the first of February. His ability to judge the values of automobiles has been a great aid to him in dealing involving used cars.

This year is marked in the history of J. O. Newland & Son as having the greatest number of cars sold in the half-year period. Much credit for this record is due Mr. Irwin who has been actively working the southern district. His wide acquaintance among Dodge Brothers car owners has been particularly valuable to him in finding new prospects.

LOS ANGELES, Aug. 6.—Agnes Ayres, motion picture actress last night announced her engagement to Manuel Reachi, attache at in San Francisco says the Los Angeles Examiner. No date has been set for the wedding.

LOS ANGELES, Aug. 6.—Dorothy Devore, motion picture actress and A. W. Mather, theatre man of San Francisco and Honolulu, have announced their engagement, says the Los Angeles Examiner.

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Auto Wrecking
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Six-Wheel Motor Coach Promises Vast Highway Transportation Development



Charles M. Schwab, who sees wonderful future for highway transportation.



Industrial Leader Confident
New Type of Construction Will Revolutionize Use of Highways as Complement to Steam and Electric Lines.

ANNOUNCEMENT that Charles M. Schwab has entered the automotive industry, in the field of large capacity passenger coaches and freight trucks, has attracted wide attention in automobile and transportation circles.

Development of a type of vehicle of sufficient capacity to permit of economical and profitable operation, and at the same time to reduce road impact to a minimum, has been the real problem of highway transportation, according to Mr. Schwab. With a considerable amount of passenger and freight traffic available and a vast mileage of improved highways ready for use, the problem of a thoroughly satisfactory vehicle has been for several years squarely up to automotive engineers and manufacturers. A six-wheel pneumatic tired vehicle, driving and braking on four rear wheels which are assembled as a unit, is Mr. Schwab's answer to the challenge.

Remarkable Impact Reduction
The new vehicle, in actual tests conducted by the United States Bu-

reau of Roads, was demonstrated to have a road impact only one-fourth that of solid-tired four-wheel vehicles of like capacity in general use. The manner in which the load is distributed among the six pneumatic tired wheels explains this enormous decrease in impact, as well as the corresponding increase in comfort and efficiency of the vehicle. Tires 32x6 inches are used on all six wheels.

Steam and electric railway mileage in the United States for several years has been showing a steady decrease. Coincident with this condition, freight and passenger traffic are showing consistent increases in volume.

Solution of Problem
With intelligent use of highway transportation offering the only solution of the problem, Mr. Schwab was attracted to the motor coach and truck industry.

In the past it has been the practice of builders of motor buses generally to adapt truck design to purposes of passenger transportation. The six-wheel bus is a complete departure from all precedent, embodying a number of features absolutely new in this type of vehicle.

Experience of Railroads
"When railroads first used four-wheel trucks under their cars, two-wheel trucks became forever obsolete," says Mr. Schwab. "The new type of six-wheel construction will, in my opinion, accomplish the same thing for heavy duty highway motor vehicles."

"I do not regard the motor coach and heavy duty motor truck as competitors of the rail line, but as a useful practical addition to the use of highway transportation. It costs nearly half as much to build and half as much to operate as a motor coach of like capacity. It is a more flexible territory, because the frequency required for rail operation is four times what is required for twelve years of highway transportation. It is a more flexible, however, provide the transportation demanded and the flexibility which cannot be obtained in any other way."

Street Railway Expansion
"Street railways are in a similar position to the motor coach and truck industry. The development of new urban centers and the longer practical, and the longer the depended upon as a mode of highway in the United States compared with our street cars of steam railroads. The use of electric railways has the same flexibility that has existed in the type of highway motor coach."

The new type of motor coach produced by the Star Motor Company of Philadelphia, Pa., is chairman of the board of the cars of the coast of the coast.

AUTHOR LOOKS FOR DEFENSE WITNESSES

(Associated Press Local Wire.)
SAN FRANCISCO, Aug. 6.—Richard Walton Tully, author, playwright and theatrical producer, has a new occupation, that of detective. He arrived in San Francisco yesterday in search of

two persons who, he believes, will be able to prove that he was not in Los Angeles at a time in 1919 when he is charged by Mrs. Grace A. Fendler with having seen and appropriated materials she had submitted to Oliver Moroseo, then producing plays there.

Mrs. Fendler contends that this material later was incorporated by Tully into the play, "The Bird of Paradise," and has obtained a legal decision against him from which he is appealing.

Tully who cannot remember the names of the persons he is seeking, hopes to find them

through their remembrance of some pictures of horses he showed them while on a train bound for San Francisco. He said both were prominent San Franciscans.

NEIGHBORS HUNT BEAR

EUGENE, Aug. 6.—A bear hunt is on in full swing by at least half a dozen neighbors of Carl Oglesby of Globe vicinity, western Lane county. The stockmen reports brain has killed fourteen goats of a herd just recently purchased and taken out for grazing.

SOUND VALUE

Sound products evolve from sound principles.

Dodge Brothers Motor Car is the product of an institution whose principles have always been conceded to be pre-eminently sound.

Sound manufacturing methods that place infinitely more importance on quality than quantity.

Sound financial standing, which permits uninterrupted development and adherence to the policy of constant improvement—

A sound method of selecting dealers, from which an organization has grown that enjoys the complete confidence of the public—

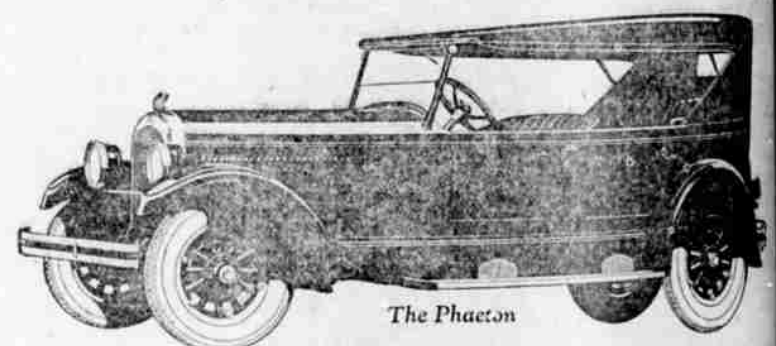
A sound sales and service policy, through which buyers are assured full value for their investment—

These basic principles being sound, it follows as an obvious consequence that Dodge Brothers Motor Car represents sound value.

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These Results Mean Value Never Before Expected



The Phaeton

Never before was a car so wisely engineered and so carefully built to assure maximum safety and long life. This is true even to the tires. Designing from the ground up for balloon tires, with pivotal steering, special spring suspension and extra wide fenders, Chrysler engineers working with the tire makers have now evolved a special six-ply, high-speed balloon tire that will stand up and wear as long as your cord tires, and still contribute all the resiliency of ordinary balloon types.

The Touring, \$1395 The Phaeton, \$1495
The Roadster, 1625 The Sedan, 1725
The Brougham, 1895 The Imperial, 1995
All prices f. o. b. Detroit; tax extra.

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Six

Pronounced as though spelled Chrysler



In less than six months, more than 15,000 buyers have chosen the Chrysler Six because of the things it does, and the way it keeps on doing them with a minimum of upkeep cost.

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