

EXPLAIN SYSTEM DE SOTO SPRINGS

Trailing close and general road-building are two DeSoto six characteristics which never fail to produce favorable comment from those driving the latest Chrysler-built cars, reports from dealers all over the country show. The smoothness with which the DeSoto six negotiates roads at every description, surprise and satisfies even veteran drivers, they say.

These features of riding ease and smoothness were by no means arrived at accidentally. Chrysler engineers say that in working out their ideal of superior riding qualities for the DeSoto six, they went far beyond the old method of merely bolting spring deflection to car weight. In designing the car they had definitely in mind a smooth road performance. As a result, they planned the entire spring suspension to conform with the spring and insuring weights, thus obtaining the proper balance and stability necessary to insure smooth riding under all road conditions.

Excessive weight, engineers explain, is all of that weight of the car not supported by the chassis springs. Reducing the unsprung weight to a minimum materially improves the riding qualities and stability of the car. Lowering the weight of the unsprung weight, the less will be the tendency of the wheels and axles to bounce on rough roads, by minimizing the bouncing of these units severe shocks are not transmitted through the springs to the frame.

Under normal load conditions the semi-elliptic springs of the DeSoto six are long and practically flat. This gives maximum flexibility at the riding point while rebound is rapid for all four wheels. Springs of L-shaped, leaf-like shape, absorb the shock of bumps and are made up of a number of thin leaves which provide additional springing action to assist the shock absorbers. These are graded very carefully in pairs to avoid any tendency of the car to sway to one side or the other. A noticeable feature is that the DeSoto six springs are specially designed to operate properly with the hydraulic shock absorbers used on the car. This assures an unusual degree of riding comfort and stability because the shock absorbers assist the springs.

DeSoto six springs are mounted with their front ends bolted to the frame. The rear ends of both the front and rear springs are mounted in special shackles which insure automatic shock adjustment. This is accomplished by means of a thin spring between the head of the shackle bolt and the shackle. By drawing this spring to a predetermined position, tension is kept on the shackle which keeps it into the tapered ends of the spring bushings.

The rear springs are designed to adapt to the Hotchkiss method of driving, which is used. The Hotchkiss method means that the drive of the car is along the rear axle to the frame through the driveshafts. The Hotchkiss drive eliminates a great deal of unsprung weight because it allows the car to drive on a single axle or on two axles and makes the action of the rear axle on rough roads extremely smooth and flexible, allowing the wheels to follow the irregularities of the road and deliver the maximum of power to the car. The use of the Hotchkiss drive also eliminates the transmission of road shocks to the frame, because they are cushioned by the springs with the Hotchkiss drive, thus eliminating undue strain to the car frame and resulting in easier riding and smoother starting and stopping of the car.

HOME EDUCATION

'The Child's First School Is the Family.'—Froebel
Issued by the National Kindergarten Association, 8 West 40th Street, New York City. These articles are appearing each Sunday in the Mail Tribune.

A NEW KIND OF A CONSCIENCE

Lucy Chandler Fuller

The little brown celluloid head was Bobby's conscience. And the way the little head became such a very important thing as a conscience is interesting.

One day Bobby was very cross and disagreeable. He didn't want to do anything his mother told him to do. Finally, Mother said, "Bobby, do you know what we are going to do?"

Bobby stopped looking at the shoe which he was trying to lace and looked up. "What?" he asked.

"We're going to Mrs. Green's Toy Shop to buy you a new conscience."

"Buy a what?" asked Bobby.

"A conscience," repeated Mother. "What is a conscience?" asked Bobby at a loss.

"Well," replied Mother, "your conscience is really inside of your little self. It tells you when you are being a good boy and when you are being a bad boy, and it tries to help you to be good. Because your own conscience doesn't seem to have worked very well today, we are going to Mrs. Green's Toy Shop to buy a small animal which will be a new conscience to help you, old one along."

"But how could it, Mother?" asked Bobby.

"Oh, you'll have to help it, of course, but it will help you, too. When you are a good, cheerful boy it will play with you, but if you are cross and disobedient it will have to go away and hide until you are good again," explained Mother.

"That night work," said Bobby as he poked the shoe-string into the last hole. "Let's go now, Mother."

Mrs. Green's Toy Shop was wonderful that day. There were six how rabbits, a fairy cat, a life-sized dog, elephants, monkeys, bears, little yellow chickens, cows, pigs, and every kind of animal you

could think of. But what do you think Bobby found over in a corner, almost hidden by a fierce tiger? A small, brown head with tiny, black, beady eyes and little bumps all over his black legs. It looked just ready to take a jump.

"There!" explained Bobby. "That little head would make a fine conscience. He can ride in my pocket whenever I go, and if I'm bad he's all ready to hop out and run away."

The little brown head turned out to be as good a conscience as Bobby thought it would. Bobby talked to it just as if it were alive and pretended that the head talked back to him. It would sit by its little master's plate at the table and watch Bobby's table manners. It would hop up on the wash-bowl and see that Bobby brushed his teeth and didn't forget to rinse his mouth. It would help Bobby to get home on time and to answer his mother quickly when she called.

One morning at breakfast, Bobby said, "What do you think my little head did for me last night?"

"What?" asked Father who liked to hear about this new kind of a conscience.

"Well," exclaimed Bobby, "after I got into bed I wanted to get up and turn on the light and play. But my little head said, 'No, Bobby, don't do that. Your mother said you were to go right to sleep. I still wanted to do it but my little head said, 'Remember if you get out of bed, Bobby, I'll hop up on that shelf, and I won't come back tonight.' I knew my little head was right, and so I turned over and went to sleep."

"I think Little Toad is a pretty good kind of a conscience," said Father.

"And I think so, too," agreed Bobby as he offered Little Toad a bite of his toast and strawberry jam.

RINDT EXPLAINS GASOLINE WASTE

That uneasy, uncertain feeling of not having enough gas to reach the next gasoline station is an experience not uncommon to most motorists.

According to Nick Rindt of Sabin & Rindt, Durant dealers here, the average motorist will not put himself to any unusual bother to economize on fuel. "Nevertheless," he states, "it is interesting to know how to get the greatest mileage from a car, especially since it has been estimated, only a small portion of each gallon of gasoline is used directly in propelling the automobile."

The greater quantity is consumed through friction of the engine and other moving parts, in the exhaust and in the cooling system, it is reported.

"Jerky acceleration due to either rough roads or a sticking throttle, causes a considerable waste of fuel. Every time the throttle is opened suddenly in this way an unnecessarily large quantity of mixture is drawn into the cylinders. Although the relative amount used each time is small, it is sufficient to build up into quite a big waste in the course of a hundred miles or so."

Use of the foot rest alongside of the throttle pedal helps steady the throttle action, while on very rough stretches of roads a hand throttle setting will give better fuel economy than foot throttle driving. It is always a good plan when it is questionable whether the supply of fuel in the tank will carry you to the next filling station, to use the hand throttle in driving the intervening distance.

"Fuel economy varies with the speed of the car. The average automobile gives the best mileage at the road speeds of from 25 to 35 miles an hour, with diminishing mileage per gallon of gas as the car is operated above or below this range."

Correct adjustment of the carburetor is important, keeping in mind that a leaner mixture can be used in the summer than in the winter; also that cars used at fairly high speed over long distances can operate on a much leaner mixture than cars operated at slow speeds, such as in city driving with frequent stops, because once the engine has warmed up it will run on a much leaner mixture without sputtering or misfiring, than it will when running slowly when the engine is cool.

The leaner the mixture the hotter the engine runs because of the fact that the more air added to the gasoline up to a certain point makes the gas more volatile, or explosive which produces more heat when burned.

"An engine will run fairly well on quite a variety of fuel mixtures, but a few minutes spent at a service station to obtain proper setting of the carburetor will result in effective good performance, and economy. Tight fittings, strainer connections, tanks, etc., should be occasionally checked to prevent wasteful leaks."

A thermostat in the cooling system adds to fuel economy as it keeps the engine always at the most economical operating temperature, which is about 180 degrees.

"Another source of wasteful fuel is due to hard starting, which in turn may be caused by the spark plug gaps being set too wide, or by worn out plugs. Adjusting the gaps or renewing the plugs, as the case may require, will correct this trouble."

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MANY TO ATTEND LEGION MEETING

Ten years ago this month American soldiers, tramping to victory along the shell-torn roads of France, gazed with envy at passing transport trucks, little realizing that they were to return to a country that a decade hence, would boast of some 22,000,000 motor cars.

Hundreds of these same veterans, thankful in 1918 for short lifts in motor lorries, this year will travel by automobile with their friends or families to the annual convention of their post-war organization, the American Legion, to be held in San Antonio, Tex., Oct. 8 to 12. It will be difficult for them to realize, as they speed along in their motor cars, that into the state of Texas could be placed any one of a number of European countries, with plenty of room to spare.

These are the observations of H. H. Brooks, general sales director of the Maxson Motor car company, who points out that such a contrast shows vividly the rapid and almost unbelievable increase in the use of the automobile in the last few years for business, pleasure and recreation.

Hundreds of families from all parts of the country will make the trip to San Antonio by automobile, traveling comfortably, conveniently and economically. Mr. Brooks said, "Their main purpose will be to attend the convention, but on the way they will enjoy experiences that long will be remembered."

Many of them for the first time will gaze in wonder at the majestic mountains which form the backbone of this great continent. Upon entering the southwest a panorama of wide-reaching level plains, broken by herds of fat, contented cattle, will greet them. They will travel virtually the same trails now modernized, as the gold-seekers of '49, whose hardships were the price that was paid for the development of this rich region.

"Reaching San Antonio, they will see the Alamo, the scene of one of the greatest struggles in the nation's history where David Crockett and Col. James Bowie died while fighting to ward the Lone Star state from Mexican hands. Likewise, they will see ancient missions, memorials to the priests of long ago, who, brave and dauntless as any warriors, aided in fashioning a civilization out of the wilderness."

Crater Lake is only a three and a half hours drive from Medford over a wonderful highway.

BOOKS ARE OPEN

NOW FOR REGISTRATION

Swearing In of Votes Is Prohibited by the Constitution

Register at the Court House if you live in the County Seat, or if not with your Local Precinct Registrar

October 6 is Last Day to Register

The only exception applies to those who voted at any election in the last two years and who have not since changed their legal address

DELILIA STEVENS MEYER,
County Clerk.

ECZEMA

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AT OUR EXPENSE

According to skin specialists, eczema, commonly at least 90 per cent of all itching skin diseases, may be a simple red, dried condition of the skin, as in a rash, or may extend to a complex or blistered eruption. It may occur on a small area of the skin or may cover the body from head to foot. It is accompanied almost invariably by a severe itching which causes the victim to scratch until sometimes the blood flows.

Anti-Prexol, in most cases of eczema, produces almost immediate relief, soothes and soothes the inflamed skin and reduces the uncomfortable itching. It is a new skin cream of long standing.

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This Sale Ends Saturday, Oct. 6th

- "ONE Dollar Each"**
- "Ruby Ray" Stop Signal**
Genuine \$1.75 "Kay-Bee" Ruby Ray Stop Signal, complete with bulb, switch, wire and wiring for pedal connection. This week only... \$1
- "Klasy" Step Plate**
Prevents slipping and saves wear on running boards. Attractive polished aluminum with rubber center. Our regular low price of \$1.25 each... reduced for this sale to... \$1
- Wedge Cushion**
This extra quality cushion is covered with durable figured black water-proof material, stuffed with cotton or wool combination. A high-grade \$1.45 cushion fan... \$1
- U. S. Tire Gauge**
Save on this easy reading genuine U. S. Clock-style gauge with metal springing case. Our regular low price... \$1.20. This week... \$1
- Steering Wheel Cover**
Elastic rubber with rugged surface. Always easy, secure grip and keeps hands warm in winter. Reduced from \$1.40 to... \$1
- "Neverburn" Ford Transmission Lining**
Three pieces of long-wearing, chatterless lining with rivets. Replaces heat and wear of Ford transmission system and absorbs enough oil for lubrication. Regularly \$1.45. Special... \$1
- 50c Playrite Golf Balls, 3 for \$1.00**
Made especially for Western Auto by one of the best known manufacturers of golf supplies. Guaranteed not to cut or lose shape for 50¢ a ball... \$1
- "Defiance" Electric Cigar Lighter**
A wonderful convenience—helps prevent burned fingers and clothing. Clamps on dash without drilling. Soldered \$1.30 value, during sale... \$1
- Flare Reflector Flashlight**
This handy 2-cell flashlight has powerful 2-inch reflector and is complete with batteries and bulb. Reduced this week from \$1.15 to... \$1
- "Dandy" Spotlight**
This \$1.28 spotlight is well made, with Japanese reflector and powerful reflector. Easily attached to open or closed cars. For this week... \$1
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This practical mirror is our regular \$1.20 value. Both passengers can watch to rear. Beveled plate glass with nickel-plated bracket. During this sale... \$1
- "Imperial" Gas Filter**
Will save its cost in reduced trouble. Fits all cars. Durable made, and a typical "Western Auto" bargain at our regular price of \$1.35. Sale price... \$1
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