

FEDERAL HIGHWAY PROGRAM DEFENDED

Defense Made by Senator Arouses Sentiment at Secretaries' Meet

WASHINGTON, D. C., April 14.—The aggressive stand taken by some western senators and representatives, more particularly by Senator Taeker L. Oddie of Nevada, has caused the tightening of the lines among the friends of Federal aid on Capitol Hill, and has led to the launching of a vigorous campaign to assure the passage of the annual Government Road appropriation bill in this session of congress, according to a statement from the national headquarters of the American Automobile association here today.

"But for the determined manner in which Senator Oddie and a handful of other western spokesmen," said the national motoring body, "threw down the gage of battle, there was very serious danger that the dilatory manner in which the Federal Aid bill was being handled in both house of congress, would have resulted in its going over until the next session."

It continued:

"As a matter of fact there is still some danger of this eventually, unless those in charge of the road bill in the senate and the house press the issue. Postponement would have a serious effect on the state programs, especially in the case of programs of the Pacific Land States or the west and far west. With the law calling for apportionment of Federal funds of January 1, 1928, and with the possibility of a legislative tangle, delaying passage until after that date, should the measure go over until the December session, it is easy to see how embarrassing the situation might become, and what the demoralizing result would be on the road work of the states.

"The bill has not yet been reported out by the house committee. It has been on the senate calendar for some time, having been introduced by Senator Phipps of Colorado, who outranks Senator Oddie on the committee on post offices and postroads. It is understood that the Nevada senator and other ardent supporters of federal aid will urge the Colorado senator to use his influence with the administration leaders in the senate to accord the bill a place on the "must" calendar for this session."

"Senator Oddie, whose championship of federal aid has been particularly strong, it is pointed out, had the dangers in the present situation in mind when he sounded a clarion call to arms in a recent address before the Annual Congress of A.A.A. motor club secretaries in Washington. Prior to launching a vigorous defense of Federal aid, and such kindred matters as the need for more liberal treatment of public lands, states and more appropriation for forest roads, the Nevada senator vehemently attacked the bureau of the budget for attempted interference with the federal aid policy of the government. He said in part:

"We have an agency in our government, the budget bureau, which sees to it that federal expenditure are kept within a certain sum. It is perfectly all right in its way but recently something has been done by the budget which is liable to prejudice the federal aid program. In sending its report on this bill to the senate it included a provision that if the tax on automobiles is repealed the program will not go through, it will receive the disapproval of the budget bureau. Unfortunately the bill hasn't come before us in the senate. But if it is right that the law be passed providing this money for federal aid it should be passed. It should not be conditional on this or that and I don't believe that any agency of our federal government has the right to say that necessary legislation should be killed because certain money might not come

from certain sources.

"We should bring pressure to bear wherever we can to see that the government carries out its binding and legal contract, as regards the continuation of federal aid. Our federal aid road system is not finished. There are in our total road systems about 3,000,000 miles, about 210,000 miles of which are in the federal aid system. Only a part of this system has been finished. The belief is going about the eastern states particularly that this federal aid system is nearly completed. That is not the case. It is our duty now to start a new program for wider and stronger roads in the eastern state where traffic is heaviest. We can't afford to let any side issues interrupt the program which is now being carried on."

CRANKSHAFT CORE OF AUTO'S ENGINE

Smooth Operating Obtained for Oldsmobile By Means of Design

Centuries ago it was discovered that pieces of metal had certain vibration points, that is they would vibrate in harmony with impulses having the same, or critical, period. When vibrated a sound was forthcoming. This discovery resulted in the invention of the tuning fork, which was beneficial. In later days, however, these vibrations made themselves apparent in automobile engines, which was a nuisance.

The crankshaft is the core of an automobile engine. It receives each blow of the gasoline explosions and transforms it into an even flow of power which is transmitted to the propeller shaft and wheels.

Revolving at a high rate of speed, sometimes above 3000 revolutions per minute, and receiving in a six cylinder engine three explosive power impulses per revolution, the crankshaft is subjected to various vibratory stresses. As engines have been improved counterweights and vibration dampeners have been added to crankshafts to eliminate this condition. Recently it has been found possible to obtain the desired results without the use of these weights and dampeners.

One of the automobiles that has obtained a smooth operating crankshaft by means of design rather than by adding accessories is the new Oldsmobile. How this has been accomplished is told by Earl H. Smith, Oldsmobile experimental engineer.

"By mathematical computations," said Mr. Smith, "we designed the six 'throws' of the crankshaft in curves, each with its center of gravity in the true center of the axis of the crankshaft. Our method of machining both main and connecting rod bearings held this center of gravity both static and dynamic balance without use of counterweights. Every Oldsmobile crankshaft is tested on a special machine which shows the slightest deviation from balance and any unbalance is corrected.

"There is another element, however, that must be overcome. This is torsional vibration which is caused by the force of the power impulses. Each time an explosion of gasoline forces down the piston and connecting rod, the force tends to twist, or 'wind up,' the crankshaft, causing undue engine roughness.

"We tested 10 different designs of crankshafts in the new Oldsmobile. We found that a short piston stroke, which means shorter crankshaft throws, a crankshaft heavier and more rigid than has been standard practice and over-sized bearings would give us the desired results. The Oldsmobile crankshaft is 33 7/32 inches long and weighs 51 pounds. The diameter of the main bearings averaged 2 7/16 inches. The total bearing length is 7 11/16 inches, or nearly one-quarter of the entire length of the shaft which guarantees long bearing life."

NEW BUYING ERA SEEN FOR TRADE

John R. Lee, Dodge Brothers Sales Manager, Reviews Outlook

With production and employment at top peak to meet the demand for the three lines of Sixes, Dodge Brothers, Inc., anticipates the most prosperous year in its history, according to John R. Lee, general sales manager.

Nearly 6,000 men have been added to the payroll since January 1, the figures now standing at 24,124 compared to 18,223 on the first of January.

Shipments of cars and trucks from the plants of Dodge Brothers in the United States and Canada during the first quarter of this year totaled 60,387 units, according to preliminary figures announced by the company.

Compared to the first quarter last year, when 46,566 units were shipped the gain is 29.7 per cent. Shipments in March totaled 26,895 units compared to 13,272 for March 1927, a gain of 102.6 per cent.

"Reports reaching us from dealers all over the country indicate a record breaking spring buying season," said Mr. Lee. "The introduction of the Standard Six at prices within the reach of millions of families not only met with public acclaim, but stimulated interest in the Senior and Victory lines as well.

"The low priced automobile these days, if it is to be built and sold on a quantity scale, must possess style, high speed and comfort as well as dependability, and it must be produced by a company whose reputation is established by years of successful operation in the automotive field.

"With the introduction of the Standard line, the transition to six cylinder cars is complete in the Dodge factory. For thirteen years, Dodge Brothers based its bid for popularity on the principles of economy and dependability in a single price field. During this time, the company has built up an organization of 5,500 dealers in the United States and foreign countries, forming a sales and service group of international scope.

"The Victory Six introduced last January with engineering improvements years ahead of its time has met with popularity that stamps it as one of the most widely discussed cars on the market today. The Senior Six, introduced nearly a year ago to meet a demand for a larger car with superior appointments, is giving purchasers custom built quality without a custom price.

By mathematical computations, we designed the six 'throws' of the crankshaft in curves, each with its center of gravity in the true center of the axis of the crankshaft. Our method of machining both main and connecting rod bearings held this center of gravity both static and dynamic balance without use of counterweights. Every Oldsmobile crankshaft is tested on a special machine which shows the slightest deviation from balance and any unbalance is corrected.



Fishing Season Opens Sunday April 15

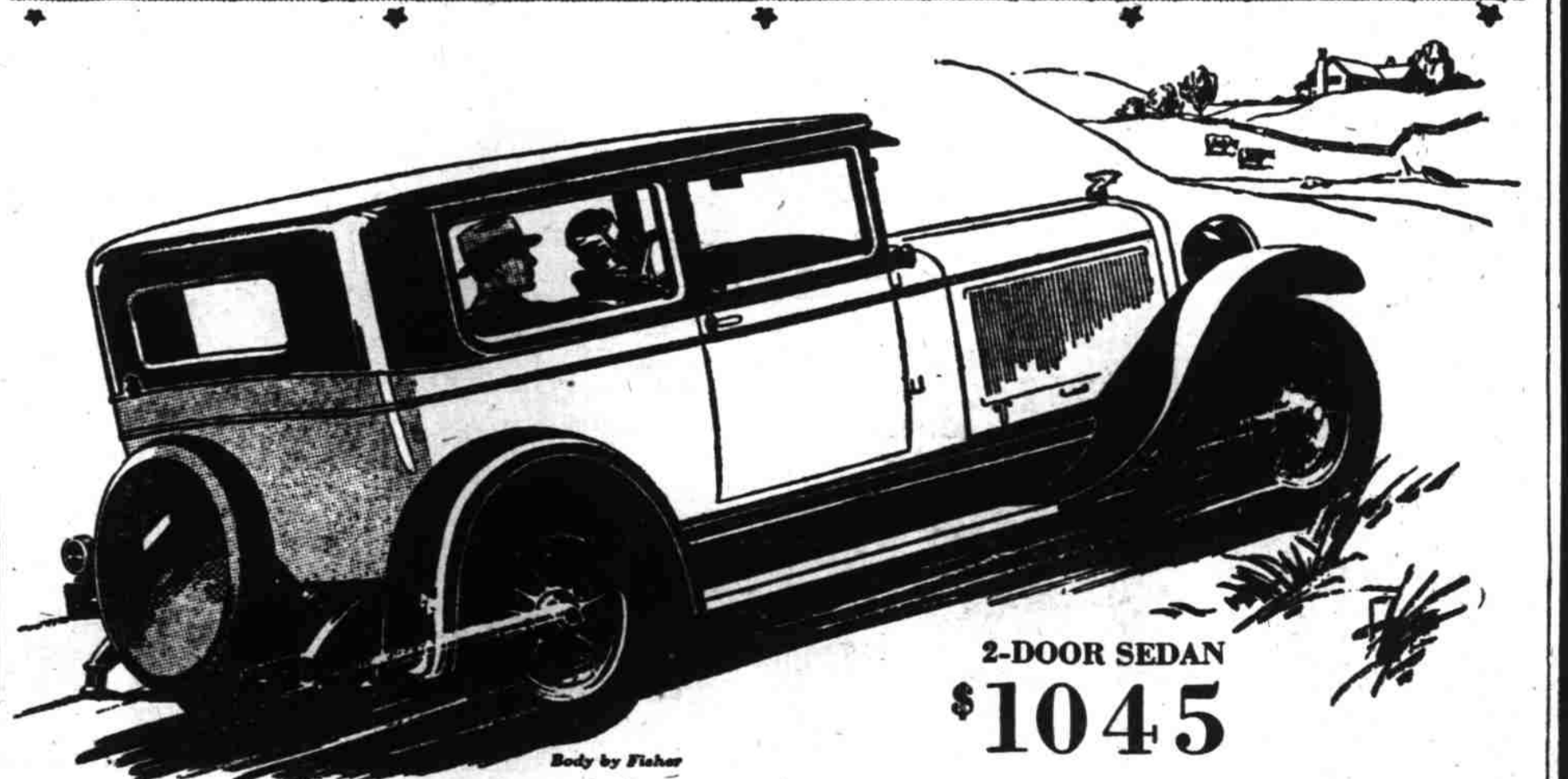
You'll want to be at your favorite hole early. Don't let tire trouble spoil your trip. Drive in and let us look over your tires before you leave. Better take a Miller spare along.

RUSS SMITH'S
MILLER TIRE SERVICE
199 South Commercial Telephone 113

Specialists In Battery, Electrical and Radio Service

E. H. Burrell
464 N. LIBERTY ST.
TELEPHONE 203

To Be An All-American It Had to Be Built to Endure



Have you ever inspected an All-American Six? Driven it? Studied its specifications and the dimensions of its vital parts? If you have, you surely realize that to be an All-American it had to be built to endure.

For here are size . . . stamina . . . ruggedness. Extreme simplicity of design. Production methods that tolerate no compromise with quality. Every engineering advancement contributing to long life.

Take its engine as an example. Big, clean, equipped with the G-M-R cylinder head. 212 cubic inches displacement . . . 79-lb. crankshaft . . . crankcase and cylinder block of "bridge-truss" design.

Its frame is deep and rugged . . . rigidly cross-membered front to rear. Its clutch . . . big, smooth and self-adjusting. Its Fisher bodies. Beautiful . . . yes. And constructed of hardwood and steel . . . for durability, safety and silence.

You can choose the All-American with assurance that you're getting a car which will last. Come in . . . learn the reasons for its staunchness . . . for its mastery of mileage and time.

Vick Brothers

OAKLAND

ALL-AMERICAN SIX

PRODUCT OF GENERAL MOTORS

TURN TO THE RIGHT

FITZGERALD-SHERWIN MOTOR CO.

Corner Liberty & Chemeketa Telephone 1132

REBUILT CARS on easy terms

You want a High Grade car of Standard Make for little Cash. Get it here. Satisfaction Certain!

See them on lot west of Fire Hall.

Chevrolet Coupe
Ford Coupe
Willys-Knight Roadster

Fitzgerald-Sherwin Motor Co.

Corner Liberty & Chemeketa Telephone 1132
"The House of Courtneys Service"

Tune Up and Clean Up!

Have Your Car Ready for Spring!

Be sure your car is thoroughly overhauled . . . tightened up . . . tuned up . . . that your tires are in good shape, and your battery in perfect condition, before "Touring Fever" catches you. A good cleaning and polishing or perhaps a paint job will then make it look as well as it runs.

"Western Auto" offers a complete stock of guaranteed tools, accessories, cleaning and polishing materials, etc., at pleasing prices

To Save Your Tires

Your tires will give more mileage if you care for them properly. Keep air pressure up 2 1/2 small cuts, etc. We list a few of our many values in tire sundries.

"Schroeder" Gauges . . . the old reliable . . . \$1.15, \$1.25 and \$1.55

Valve Insides, the genuine Schroeder and Dill. 5 in box 25c

Tire Patch Outfits . . . 24c to 90c

6-Minute Vulcanizer98c

A Trouble Lamp

is handy for night work around the car. Several styles, all guaranteed, priced low from 95c up.

Cleaning and Polishing Materials

Everything for cleaning and polishing your car. The following examples show your economy at "Western Auto":

Whisk Brooms50c up

"Sponka" Cleaner or Polish .48c

"Pyrene" Safety Upolatory Cleaner25c and 45c

"Insta" Hand Cleaner10c, 25c and \$2.00

Sponges, fine quality 35c to \$1.25

Chamois, French oil tanned . . . \$1.15 to \$1.85

Free

This Week Only

45c can of Imperial Nickel Polish with the purchase of any of the following polishes at our regular price:

Pt. can Imperial Polish \$1.00

No. 7 Duceo \$1.00

Lightning Polish \$1.00

"All Klean" Polish \$1.00

Qt. size "Non-Oil" Polish \$1.25

Only one Free can to customer. This offer ends Saturday, April 21st.

Free

This Week Only

2 packages "Western" Polishing Cloth or one 5-yard roll Cheesecloth with every purchase of \$1.00 or more of merchandise listed in this advertisement, excepting the polish listed above.

This offer ends Saturday, April 21st.

Savings on Electrical Equipment

Give your wiring, etc., a thorough inspection and renew anything that gives you the slightest doubt. Better fix it now, than be faced with a difficult job on the road. Fill your needs at "Western Auto."

"Champion" Spark Plugs . . . Popular everywhere for their dependability. Ford plugs, 55c; other cars, 75c.

C "Spark Plugs. Known to all motorists. Ford plugs, 45c; others, 75c.

Free

This Week Only

2 packages "Western" Polishing Cloth or one 5-yard roll Cheesecloth with every purchase of \$1.00 or more of merchandise listed in this advertisement, excepting the polish listed above.

This offer ends Saturday, April 21st.

Work in Comfort

and Keep Your Clothing Clean

"Loe" Dura-Bilt One-Piece Suits and Motor Coats are well made of lasting materials. Roomy with convenient pockets.

"Loe Dura-Bilt" One-Piece Suit \$2.95

Genuine "Loe" Motor Coat \$3.85

Work Gloves, very convenient; cotton Pair 15c

For a Good Paint Job

Pleasingly low prices on everything at any "Western Auto" store.

"Zapon" flowing lacquer. Easy flowing, quick drying, and makes a beautifully lustrous and lasting finish. Most popular colors.

Paint, \$1.20; Quart, \$2.20

Paint Remover. Makes a hard job quick and easy.

Pint, 65c; Quart, \$1.15

For Top Repairs

"Western Auto's" top repair materials and "Recoverts" are of the best.

"Duro-Gloss Auto Top Finish Gives you your top new lustre and protects it from weather. 1/2 pint, 65c; pint, \$1.00; quart \$1.25

Top Dressing . . . "Black Duck." "Western" and others . . . 65c up

Top Material . . . Best quality 32-oz. rubber cloth, 64 in. wide yard \$1.19 up

For Better Lubrication and Silence

Oils, greases, equipment and parts at economy prices . . . for example:

"Spring-Eaz" A Super-penetrating oil. Cans, 30c up

"Speed-Tite" liquid-tightens spokes by expanding them. Cans 70c

Rim Lug Wedges. Stop squeaking of detachable rims. Ea. 5c. Dose, 50c

Spoke Shimms, for tightening loose spokes, ea. 3c, pkg. of 50, according to size 50c up

Tools That Make Work Easy

Good tools make a better job. Be sure you have what you need before you start. "Western Auto" will save you money on the kind of tools the mechanics use. for example:

Screw Drivers 10c up

Bits 20c up

Drills Savings on hand and breast drills and bits, all sizes.

Hack Saws Guaranteed. 45c up

Socket Wrench Sets 45c up

Fan Belts

Carry an extra one - More than 150 stores in the West - several at prices that are and in built at prices that save you money.

Radiator Belts and couplings at typically low "Western Auto" prices.

Western Auto Supply Co.

210 N. Com'l. St., SALEM
TELEPHONE 796

Extra Light Bulbs

All sizes and voltages, clear and blue, for all cars . . . both single and double contact bases. Oh, yes, house bulbs, too.

Metal Bulb Chest Safely holds two large and three small extra bulbs in non-rattling sockets (chest only) 35c