The New OREGON STATESMAN, Salem. Oregon, Sunday Morning, November 11, 1928



One of the problems which demanded most careful stucy and exhaustive experimenting in the building and equipping of the new Model A Ford car was that of tires

The new Ford was an entirely new car in its class, with power, speed and acceleration that were also new to the field of light, moderate priced cars. The very first test models of the car proved that tires which could be counted upon to "stand the gaff" with the Model A Ford must be larger, tougher and better able in every waysto withstand wear, heat from road friction and ordinarily damaging action of bumps, ruts and other uneven road surfaces upon the tread and the sidewall of the tire.

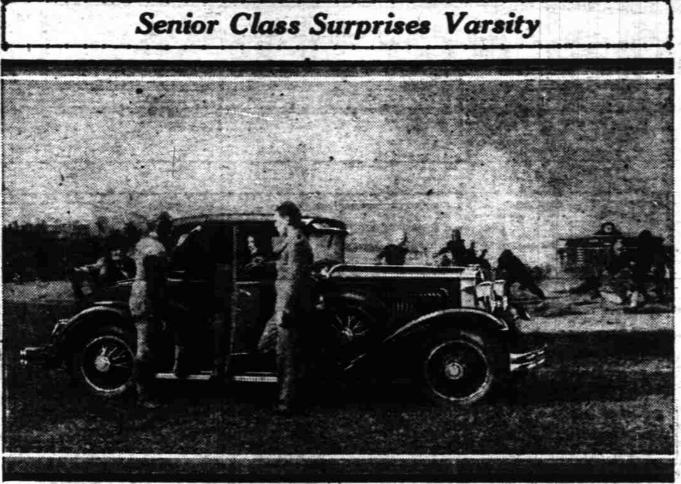
Give Bigger Effect

To begin with, these tires with which all Model A Fords are equipped, while designated as 30 special drop center steel spoke wheels of the car.

go into many parts of the world a railroad crossing. Tires are aland find many varied road condi- so placed on test cars and opertions. So the tires with which the ated over rough roads at below first few test models of the new and from these tests Ford engi- and mud. For Ford engineers ifications that would produce a in the tires of the Model A Ford. truly modern balloon tire with all the excellence of design, work-manship and material to insure its Radiators To Get giving a service on a par with that of the Model A car itself.

Severe Tests Given

Tires for the model A Ford are made by several of the best maninto each of these tires must be mobiles during the coming winof the finest grade, new, live rub- ter, it was declared this week at



RAFFIC stops when the gridiron signal is "Let's Go" in hundreds of football camps over the country. Helmeted warriors fight on while the sideline visitor, a Dodge Brothers Senior Six sport coupe, rolls up as a counter attraction to the thrilling spectacle of end runs and off tackle smashes.

Cleansing Cooling System

ceive at the hands of the average x 4.50 in size, actually give an owner. One of the testing deeffect equal to that of tires meas- vices drops the tire down uring 30 x 4.75, when fitted to the from a height of several feet, under a weight equivalent to that of a fully loaded car, upon a section

normal pressures, over gravel, and bursting which a "freeze-up" to every possible type of service crushed stone and through sand may engender. That an anti-freeze is an economic necessity, is now admitted. Comparatively few, however, of neers were able to determine spec- there shall be no distant troubles

> have yet come to realize that even the best of the modern anti-freezes can do little to protect their 30 Million Gallons cars against freezing if the car cooling system has not been prop Of Wood Alcohol erly cared for previous to pouring in the anti-freeze.

Thirty million gallons of alco-To coin a phrase, "an antiufacturers of the country, but ev- hol or more than one-third the freeze is effective only to the deery tire must meet those speci- entire output of the United States gree that the cooling system is fications. The rubber which goes will be used by water-cooled auto- clean and tight."

Washing Soda Helps Proper servicing of the cooling ber that has been properly cured. the annual meeting of the Indus- system requires that before using the cooling system, the freeze-Just so much of this rubber, to trial Alcohol institute at Chica- make sure that the entire cooling proof new anti-freezes will remove within a fraction of an ounce- go. The report of the institute system of his car is free from rust, them later for hm. That, of

age from your winter driving and your peace-of-mind. An ounce of prevention will save a gallon of anti-freeze, and, perhaps, costly damages as well as time and patienct.

With a clean, tight cooling sysem, the right anti-freeze for your car will insure perfect freedom from the coldest weather.

GOVERNMENT HELP INCREASE SOUGH

WASHINGTON, Nov 10-Inreased appropriaions for federal aid are necessary if highway construction is to keep abreast of automobile registrations, in the opinion of 35 of the 48 states, according to an analysis of questionnaires sent to state highway commissioners by the legislative lepartment of the American Moorists' association.

An affirmative answer was received to the following question from 35 states: "Do you favor an increase in the present amount of federal aid appropriation, the annual appropriation at the present time being \$75,000,000?" Replies from 13 states indicated that the state highway officials of those states do not favor increased federal aid.

In the opinion of those favoring additional federal aid, the Protects Against Freezes consensus was that \$100,000,000 annually should be appropri-

ated for this purpose. Replies Rust, scale and leaks are the cooling system should be tight from five states, however, placed Ford realized that this car would of steel rail similar to those at triple-threat against which every ened up, as the loosening and ejec- the minimum at \$150,000,000 ancar owner in a cold climate must tion of rust and scale may have nually of twice the present authguard, if he would adequately tended to loosen them up also, or orization for 1929, 1930 and 1931 protect his radiator and engine to have revealed small, hitherto of \$75,000,000 annually.

block from the expansion stresses obstructed apertures through But seven states were of the which the non-freeze liquid can opinion that the federal govern- sponse of the new Chrysler-built penetrate. Parts to be tightened ment should contribute funds to- DeSoto Six to both throttle and brake has brought an entirely irclude naturally hose and pump wards improvement of the secnew driving sensation into the connections, gaskets, expansion ondary highway systems of the field of moderate priced sixes, plates, drain cocks-which a sur-states, although practically all of it is asserted by Mr. Fitzgerald. the many million of car owners prisingly large number of owners the western states volced their local DeSoto Six dealer. neglect to turn off after draining favor of the Oddie-Colton bill

> -pump glands and grease cups which provides special funds for certain states having large tracts

> > in 1916. The following tabula-

tion shows the amounts for each

1917, 5; 1918, 10; 1919, 65;

1920, 95; 1921, 100; 1922, 75;

1923, 50; 1924, 65; 1925, 75;

aid was voted

1926, 75; 1927, 75; 1928, 75. Support of increased appropri-

of public domain. Fall Is Time for Fixing A total of \$733,200,000 has Periodic examination of the been appropriated to date by the cooling system thereafter, even federal government, under the after the introduction of the antifederal aid program inaugurated

freeze, is recommended. To be fore-handed in this matter is really a vital matter for the

year, expressed in terms of car owner. Either he or his sermillions: vice man must remove the rust and scale, or if they are present in

on the water pump.

Where Fractions of an Ounce Count



MOOTH engine performance results from rigid standards in assembling parts for a motor car. Here are pistons used in the Dodge Brothers Victory Six engine being weighed on highly sensitive scales. Pistons, assembled in sets of six, must weigh within one-third of an ounce of each other, or they are rejected.

"This new ease of driving in

Fitzgerald continues.

formance lies in the design and U HESPUNSE engineering of the car. Chryslerbuilt cars have always been noted for their spirited performance and MEASURE Chrysler engineers have provided the DeSoto Six with a responsiveness fully in keeping with this tradition. The spirited and instant re-

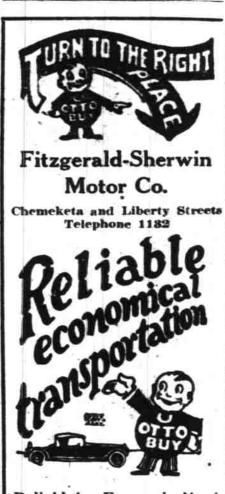
"For example the DeSoto Six is equipped with the Chrysler-designed 'Silver Dome' high compression cylinder head, which utilizes any grade of gasoline and extracts efficiently the maximum in speed and power from each type of fuel. The famous 'Red Head' obtains even greater speed

the DeSoto Six has found immeand power from high compression diate favor with motorists," Mr. fuels. "With "The motor has the new type traffic congestion and high speed Iso-Therm, Invar-strut aluminum he rule rather than the excepalloy pistons. They are extremetion, drivers_are demanding cars ly light in weight and are fitted which leap smoothly into action with rings of the new tongue and and which can be stopped immedigroove construction. Inlet valves ately without shock or vibration. "The secret of DeSoto Six per- are of chrome nickel steel, while

exhause valves are of silchrom steel. "The DeSoto Six crankshaft

very short, heavy and rigid fo the size of the engine. It is pro vided with counterweight which neutralize centrifugal forcy thus reducing bearing pressures The strength of this crankshaf is but one explanation for the smooth flow of power at all speed which the driver of the DeSon Six experiences,

"Camshaft, crankshaft anconnecting rod bearings are lubr feed. Crankcase ventilation, o fed. Crankcase ventilation, o filter, air-cleaner and extraordir arily large valves are additions reasons why the DeSoto drive finds his car responsive to hi slightest touch. All these fea



Reliable! Economical! A fraction of the first cost. Transportation for you and yours. Come for a ride.

1927 Buick Coupe \$	1250
1926 Ford	200
1927 Oakland	625
1928 Essex Sedan	750
1928 Essex Sedan 1926 H. D. Motorcycle	
and Sidecar	225

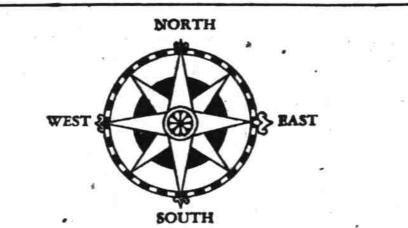
and no less-must be used. The did no take into consideration scale and leaks. Any well-ordered course, means leakages of the an cotton from which the cord is that glycerine and other com- garage or service station can atmanufactured must be of the fine, pounds used by water-cooled cars tend to this, or it can be done by long-fibre variety, tough and dur- during cold weather reach an ad- the car owner at home. Rust and scale are best removed

able. And each lot of tires re- ditional volume from 25 per cent ceived at the Ford assembly lines to 50 per cent of the alcohol by pouring washing soda solution must first be carefully inspected used.

and tested to see that they meet sidewall or shoulder.

into the radiator, and then run-With alcohol averaging one ning the motor for ten minutes, these specifications and that there dollar a gallon, it is readily seen idling it as the solution is disare no flaws or defects in tread, that owner of water-cooled mo- tributed thoroughly. Then flush

tor car will spend \$30,000.00. out the entire system with clear In testing sample tires from Assuming that users of other water in order to remove the last lots delivered to the assembly antifreezing compounds spend an vestige of washing soda. To facillines, the Ford Motor company equal amount, the total expendi- litate drainage, remove the hose subjects them in many instances ture for radiator solutions will connection while flushing. After flushing, all parts of the to treatment they will never re-total approximately \$60,000,000.



, all pronounce The Silver Anniversary Buick unrivaled in performance

All are buying more Buicks than any other fine car

The Silver Anniversary

Fleet and powerful as well as fashionable-unequaled in performance as well as in appearance -the Silver Anniversary Buick is arousing an enthusiasm never before accorded any automobile! And no wonder

No car ever revealed outstanding superiority in so many elements of performance-getaway-powerswiftness-smoothness-such remarkable ability to meet every test and task with ease and brilliancy!

Increased bore and strokeimproved carburetion-and other advancements in the world-famous Buick Valve-in-Head engineimpart performance atterly new and unequaled!

ations for federal ti-freeze through small openings by the legislative committee of which might easily have been the association at its November tightened up previously, after a meeting. washing soda solution had peeled

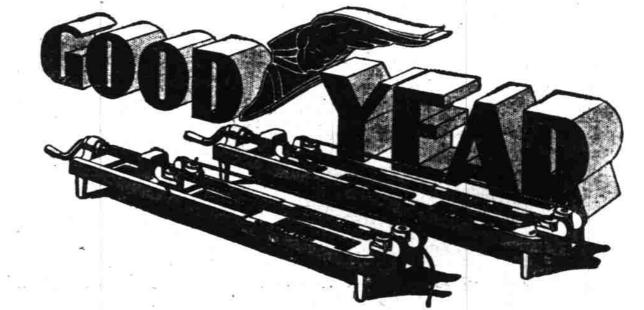
off the rust or scale barnacies If the art of conversation has from apparently tight connections. been lost we would hate to play Now is the time to obliterate bridge with a survivor of the day the threat of rust, scale and leak- when it flourished,-Lynchburg



"I never made a cent on my farm until I got a 'Caterpillar' Tractor," says an owner.

FARMS that were formerly good grow better Farms that did not pay jump into the profit column ... new records constantly result.

Power for deeper tillage, for wider sets of plows, disks, planters, harvesters; more acres covered daily; time saved when conditions are just right ... work when work is needed, whether soil is wet or dry... those things which "Caterpillar" accomplishes make the record farms.



Let us Demonstrate why Goodyear Supertwist Cord "laughs off" fierce flexing

On the little machine illustrated we are demonstrating why regular cord gets lifeless and gives out many miles too soon. See this demonstration before you buy balloon tires. It is important to the pleasure and economy of your motoring this summer.

On the same machine we also demonstrate why the wonderful new Goodyear SUPERTWIST Cord-which stretches and comes back like RUBBER-defies fierce flexing for maximum mileage. This one demonstration will settle the proposition for you.



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