GOVERNMENT TO AID IN HIGHWAY WORK

\$15,000,000 to Be Used in Western States.

ROADS BENEFIT

Outlet for Timber Operations as Well as for Better Control of Fire Are Planned

Roads are needed also in the utiliza-tion of the abundant mountain forage as summer range for the great herds sheep and cattle raised in the west. The development of the vast water-power possibilities and of the mineral ranges is also dependent to a considerable extent upon the forest roads. Likewise, the thousands of isolated homesteaders and small farm ers scattered throughout the forests need these roads to reach their mar-. The national forests contain a it deal of the most magnificent spectacular scenic attractions with which this country is so richly endowed, and roads are necessary to provide access for the countless thouands who wish to camp and fish and tour and hunt beside the streams and lakes in these great summer play-

It was not until 1912 when congress authorized the use of 10 per cent of the receipts from the sale of timber and other forest products for im-provements that some progress began on road construction. This, however, amounted to less than \$1 a square mile of area and naturally the roads built were short, narrow and far be-

Government Aid Needed. In many places the national forests blanket the great mountain ranges rising as barriers between productive plains and vailey, and there has been

RHYMES OF THE ROAD.

Have you been reading Dudley Glass' "Rhymes of the Road?" It is a distinctly new feature in the automotive world and appears exclusively in this city in the automobile section of The Oregonian. You can't resist the "call of the open road" if you scan this interesting col-

travel between the separated cities

and communities. There has also developed an in-creasing demand for better roads for the development and use of the actual

In response to these demands congress passed an act in 1916 providing \$1,000,000 a year for a period of ten years to be expended on forest road and trail work, and in 1919 appropriated an additional \$9,000,000 for simulated an additional \$9,000,000 for simulated an additional \$9,000,000 for simulated an additional \$1,000,000 for simulated \$1,0 ilar purposes. With these appropria-tions it has been possible to make pressive progress on the system the expenditures so far aggregating more than \$20,000,000. In general the state and local authorities most di-rectly concerned have contributed lib-eral co-operation. It is estimated that the completion of the system involving the construction of about 27,000 miles of road and 40,000 miles of trail may cost nearly \$150,000,000, but the recent appropriation insures the continuance of the work at as rapid a rate as is consistent with the ishment of economic results.

State to Be Assisted.

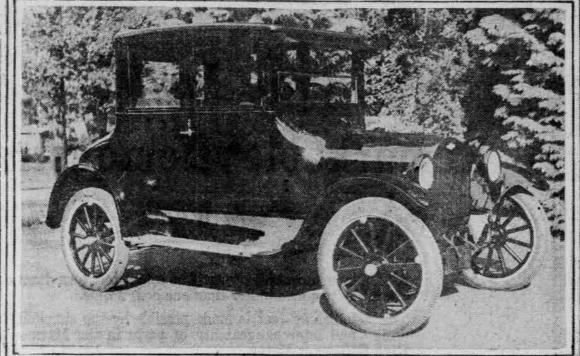
Furthermore, the new legislation very wisely provides for progress on the three general classes of roads within the forests. In the first place, there are the links of the state high-ways which cross the forests; and, secondly, the roads primarily impor-tant from the standpoint of the county road systems. The \$9,500,000 of the new appropriation called the forest highway fund will be used for these two classes, thus lifting a heavy burden from the state and county agen-cies and compensating in a large way for the loss of taxable revenue through the retention of the actional forest lands under federal manage-

The \$5,500,000 balance called the forest development fund is intended for the roads and trails particularly for the roads and trails particularly needed in the actual management and utilization of the national forests. This system of roads and trails supplements the state and county roads and is immensely useful not only to the agents of the government in their work but also to the stockmen, luminorment mining people farmers and bernen, mining people, farmers and others making commercial use of the forests, together with the general public living in the national forest states who are availing themselves of the attractive recreation opportunities of the public forests in constantly increasing numbers,

The development of this great system is undoubtedly building an asset of inestimable value to the people of the west and the entire nation.

Seated at the wheel of a big motor truck and followed by a fleet of automobiles. Rev. E. J. Prescott, a Unitarian pattor of North Andover, Mass., go over the electrical system and tarian pattor of North Andover, Mass., see that all loose wires are fastened goes out every Sunday morning and loose connections attended to. gathers his Sunday school pupils Test the battery and, if necessary within a radius of seven miles. . have it recharged to capacity.

MEET THE LATEST CREATION OF THE CHEVROLET, THE FOUR-PASSENGER COUPE.



FIRST ONE-MAN MACHINE TO COMPETE AT INDIANAPOLIS.

Marmon Wasp to Be Forerunner of Those That Will Be in Big Event of Next Year.

INDIANAPOLIS, May 27 .- The first 'one-man' car since Ray Harroun von the initial 500-mile race, with the Marmon Wasp, will appear in the centh annual five-century race, at the Indianapolis motor speedway Tues-day, May 30. Frank E. Davidson, a New York engineer, has entered the D'Wehr Special and will drive it all

incidentally this is the first year acce 1911 that the rules permitted ne man to ride in the car alone. His mechanic will be a bit of a mirror perched on the cowl above his head, so that he can look ahead and at the same time keep an eye on his competitors coming from be-

Davidson's car is about a year ahead of its time. He has elected to drive the smallest engined mount in the field of 32 starters. His engine will be two-thirds the size of the other entrants, as it only measures

with rotary valves, another departure from racing practice. The cylinders of this little engine are approximately 2% inches in diameter and the piston travels a distance of only 4% incles in its stroke. This is the smallest engine ever raced in the Indianapolis

The single seater car is almost nec-essary with the small engine, as the Road Building Is Shown to Be One narrowing of the body for one man well as reducing the weight and the wear on tires. All of these will contribute to the speed of the small engined cars. Next year it is expected that almost without exception the drivers will ride alone.

RUBBER TIRES ONCE OPPOSED PU

which is becoming to be recognized as a most important unit in a modern ut these detested rubber tires.

Spring Forethought.

Oil the springs. Tighten the fan belt. Adjust the carburetor. Examine cylinders for carbon

Take an inventory of the tool box and accessories. See that every moving part is well oiled and greased.

Check up on tires and see that they are in proper condition.
Plush out the radiator and clean cooling system thoroughly.
Drain the crankcase, transmission
and differential and wash out with
kerosene. Put in new oil and grease.

Clean every working part of the car, particularly the parts underneath, which many motorists forget ever

nothing

will ever stop men

-from spending their money where they get the most for it!

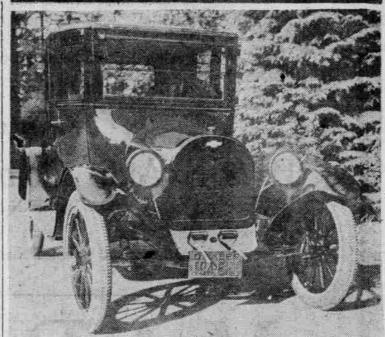
For example: Motorists who have their repairing done here have told us repeatedly that we SAVE THEM 10 TO 60 PER CENT on annual cost of operating their automobile. Another reason why motorists flock here is because we tell you in advance what the repair will cost-a thing that appeals especially to the man with Business Ideas!



SERVICE COMPANY

129 N. 10th

Bdwy. 3782



Broadside ar. - Front views of handsome little car received last week by the

public demand for government help in building roads up through the rugged canyons and over the lower passes to provide transmountain routes for commercial and social strayel between the commercial and social engine, the D'Wehr is also fitted.

Fields Motor Car company, Chevrolet dealers.

As an important addition to the closed-car family of the "490" Chevrolet scomes the new four-passenger coupe, the first car of this type ever put out by the Chevrolet on the small chassis. One of the new coupes, the first to arrive in Oregon, was received by the Fields Motor Car company, Chevrolet dealers.

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VALUE OF STEEL REINFORCE-MENT INVESTIGATED.

of Country's Great Industries and More Facts Wanted.

SAN FRANCISCO, May 27 .- The California highway commission, joint- subgrade ly with the United States bureau of tion of the Columbia Steel company,

to meet the needs of the ever-increasng traffic. When riding over a finished road

When riding over a finished road by the property few people think of the property few people think of the property few people think of the property few people for the cost of oil, gasoline and repairs, for motor vehicles can be varied by simply changing the location, the curves or the grades. The type of the surface also must be considered in the economic operation of vehicles. Problems also arise in connection with the materials and methods of construction and maintenance of the construction and maintenance of the surface. There is also the proper selection and design of the surface, which includes consideration of the subgrade.

Seventy Years Ago Buggy So
Equipped Declared Dangerous.

About 78 years ago George H Miller of Hyde Park, Mass, made a set of rubber tires for a buggy, in which he attempted to ride about in Boston and Cambridge, but was prohibited from so doing by the police of the two cities, as it was claimed that rubber tired vehicles were a nuisance and a menace to the safety of pedestrians.

Little did the police in those days realize what an important part these game rubber tires were to play fin the progress by the steel company. The fact that expenditures for high he police work of the future. "Speed hounds," "bootlegers" and criminals using high powered cars meant nothing in their young lives. For instance, the motorcycle squad, which has been offer day and month to recomplised and an amount which places road to be built will be the best and shound given becoming to be recognized as a most important unit in a modern the various state highway and educa-tional institutions throughout the

COAST DEVELOPMENT NOW HELD ASSURED

Roosevelt Highway Through Lincoln County Promised.

STATE READY TO PROCEED

Engineer Nunn Tells People of Tillamook Work on Several Sections Will Be Pushed.

TILLAMOOK, Or., May 27 .- Herber Nunn, highway engineer, and J. N. division engineer, met this week with the county court at the courthouse in this city and invited the city news reporters to attend, when Mr. Nunn gave out the best news that Tillamook county ever heard along the line of county and coast improvement. Mr. Nunn began with the statement that the Roosevelt highway through Lipcoin county was all prostatement that the thousever has all pro-tingoin county was all pro-vided for, and that 13 miles between Hebo and Neskowin would be graded and hard-surfaced this year at a cost of \$120,000, \$90,000 of which would be paid by the state and the balance

be paid by the state and the balance by the county.

Another link to be built is that from Neskowin to the Lincoln county line, a distance of 7½ miles, which will be let by the state commission on May 31. It was stated that the zection of 30 miles between Hebo and Devils Lake, Lincoln county, had been agreed upon at a cost of \$640,000, to be completed in two years. The strip from Neskowin to the county line will be completed by the government without county aid. The county will be released from all maintenance on this road.

"The state," said Mr. Nunn, "stands ready to hard-surface the road as fast as the county can grade it, and now practically provides for the Roosevelt highway system from the Clatsop county line to the city of Tilamook."

The state also will complete hard

surface on the Sourgrass road, out near Dolph, this year, which will close its work on the highway be-tween Tillamook and the Yamhill county line.

Engineer Nunn said the details which formed the basis for his an-

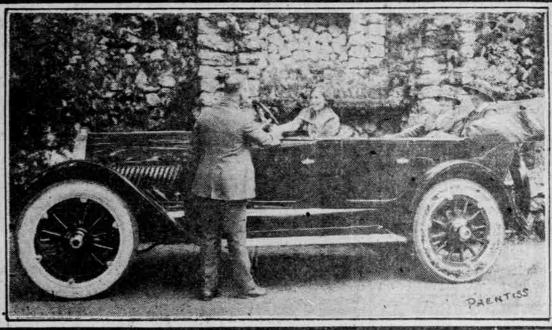
ouncement were worked out at Portland last week, when the Tillamook ocurt sat with the state highway commission in session. He further said the recommendations of the Tillamook court were adopted by the commission.

Development Now Assured. Mr. Nunn glso declared that Oregon would be the first state to finish the Roosevelt highway through its entire length, and that the counties along the route, the government and the state would co-operate in pushing the work to completion as fast as pos-

"As to results." said Mr. Nunn, "I leave that to your imagination. But urface. There is also the proper election and design of the surface, which includes consideration of the ubgrade.

Problems of interest to a certain ocality are usually investigated by he various state highway and educa-

QUEEN OF ELKS' JUBILEE AND OLDSMOBILE CAR WHICH SHE WON.



Edward E. Cohen, head of the Oldsmobile company of Oregon, congrituating Miss Laura M. Olbrich upon her success in being elected queen of the Elks' golden jubilee recently. In the rear seat is Miss Avis Lobdeli (left), secretary of Miss Olbrich's campaign, and Mrs. C. A. Zigler. The Oldsmobile eight-cylinder car was presented to

FOREST SERVICE TO IMPROVE STATE HIGHWAYS.

Contracts to Be Awarded June for 11 Federal Aid and 1 State Job in Washington

will be released from all maintenance on this road.

State Heady to Proceed.

Another important announcement by the state engineer was that the route via Garibaldi and Brighton to Wheeler had been designated as a part of the Roosevelt highway and that the state would go in with the county on a 50-50 basis to build it. This makes the Miami route a highway under the Roosevelt highway system.

"The state," sald Mr. Nunn. "stands"

county and \$90,000 on the Stevens Riverside - Omak, Okanogan - Malott pass road. Agreement was reached some time

ago with the Spokane, Portland & Scattle railroad to permit construc-tion work on the North Eank highway between Underwood and Lyle where there is danger of interfering with the railroad traffic, and that SEATTLE. Wash. May 27.—The Washington state highway depart-

\$50,000 for the Skamania county road canyon and Snake river bridge projto Trout take If Skamania county ects. Other projects include: Issa-adds \$75,000 more. From purely forest funds the bureau will spend \$150,000 in repairing the highway around Lake Crescent in Cialiam Buena-Dalton, Colville-Meyers falls.

CLOSED CARS ARE IN DEMAND

Over Half of Franklin Output Now

Closed Types of Cars. Closed cars formed 51 per cent of the shipments made by the Franklin Automobile company last month, ac

You may increase your engine power

Too heavy an oil, or one lacking in certain qualities, may reduce the power delivered to the wheels of the automobile as much as 20%.

The ideal oil is the thinnest oil which will keep the bearing surfaces of the mechanism separated.

Providing this oil has "oiliness," stability and purity, it will give perfect lubrication, and permit the development of the maximum power, speed and gasoline mileage of the car.

"Oiliness" - Stability - Purity

Zerolene meets the conditions perfectly. It has great "oiliness," due to the crudes from which it is made, and our own patented process of high vacuum distillation.

It has great stability, as a result of which it

resists engine heat and forms only a minimum

of carbon of a soft, flaky nature which blows out with the exhaust. Anditis pure. This company has always considered the removal of all detrimental properties and compounds as essential in making Zero-

Zerolene of the correct grade gives perfect lubrication and permits the development of the maximum power, speed and gasoline mileage of the car.

Board of Subrication Engineers

more power & speed ~ less friction and wear ~ thru Correct Lubrication

· HALL O HALL O HALL O HALL O BLAN O BLAN • BLAN • HALL • HALL • HALL • Distinctive Character MODEL 40 WINTON is winning new honors for the WINTON, now in the 24th year of its development as a car of flawless character. This new Winton is a triumph of six-cylinder perfections. Never, perhaps, has power been applied so amply, so silently, so responsively. Model 40 is a new model—with all the refinements of a new model; but priced \$1,200 less than the preceding model. Touring Car \$3,400 : Sport Touring \$3,600 : Victoria \$4,000 : Roadster \$3,400 FOUR-PASS, SEDAN \$4,450 . : LIMOUSINE \$4,450 LIMOUSINE SEDAN \$4,700 Prices F. O. B. Gleveland A. C. STEVENS 529-531 Washington Street Broadway 1614