

ROAD SYSTEM MIGHT SERVE 87 PER CENT OF UNITED STATES

Federal Department of Labor Declares Such Highway Network Possible—Truck Maker Says Country Demands It.

It is possible to build a hard-surfaced highway system of 50,000 miles so located as to serve directly 46 per cent of all the counties of the United States and indirectly 41 per cent of all the others.

Builders Lack Foresight. In the past there has been too great a lack of foresight on the part of road builders.

The growing need of the day is for transportation. We have simply got to provide it.

With each year the railroads are becoming more and more inadequate. Motor transportation is a growing economic necessity.

A PAVING ASSET. Estimates prepared by engineering authorities show that the United States could afford to spend \$1,250,000,000 on a hard-surfaced road system of 50,000 miles which would serve directly and indirectly 87 per cent of the population of the entire country.

War increases business to replace the great losses of destruction; but the development of a nation in times of peace provides a more normal and healthy market for labor and material that can be made a stabilizer of business and industrial conditions.

A well planned national highway system is a necessity, and as soon as the nation can complete the plan conditions will force putting it into operation.

In view of the recent successful efforts to "farm" terrapin, rearing them under domestication, it is interesting to recall the fact that these aquatic turtles a century ago were so plentiful in the Chesapeake and Delaware bay regions that they could be bought for 6 cents each.

For motor trucks a fender has been invented that is so mounted on springs as to lessen the shock to persons it may happen to strike and to push them away from in front of the wheels.

MOTORCYCLE ENDURANCE RUN PORTLAND TO SPOKANE SHOWS UP TERRIBLE ROADS

They still have motorcycle races over long stretches of nondescript country roads. For that matter, you read now and then of a six-day bicycle race, and of other grueling tortures perpetrated in the name of sport.

But speaking of the first named, there was an endurance run recently from Portland to Spokane and return in which no less than 22 motorcycleists entered, and half that number finished with perfect scores.

The others who finished with 1000 score were: Fred Gilbert on Harley, Walter Hadfield on Harley, B. W. Rice on Indian, Ed Berreth on Excelsior, Ed Carlson on Harley, Al Williams on Harley, Joseph P. Schantlin on Excelsior, R. A. Stelnhart on Indian, E. H. Kline on Indian, and R. Newman on Indian.

RIDERS' ANECDOTES. But it is in some of the side comment rather than in the results of the run themselves that motorists in general find the event interesting.

Many and varied were the tales told concerning the adventures along the road, each rider having some particular anecdote to relate about the reception accorded him at the towns along the route.

HIGHWAY TRANSPORTATION SURE TO FOLLOW WHEN HIGHWAYS ARE BUILT

It is unfortunate, but true, that the controversy over good roads and transportation is very much on the same order as to whether the chicken or the egg came first, says the Commercial Car Journal.

That a good road surface is fundamental and absolutely essential to economical highway transportation is axiomatic and does not need to be dwelt upon.

That these conditions will be improved and materially changed within the next few years is shown conclusively by the tremendous jump in appropriations for road building shown since the war.

It seems almost ridiculous when one considers that of our 2,500,000 miles of highways, only about 12 per cent are in the improved class and that only one-fourth to one-third of one per cent of these highways are really fit for economical truck transportation.

When Louis Benaki saw a beautiful new Liberty brougham standing in front of a prominent theatre in New

The riders found that the roads were in terrific condition on most of the legs of the journey and declare that it is undoubtedly an achievement for so many to place in view of the spots they were forced to pass.

VARIOUS MISHAPS. The two sidecars that started gave it up as a bad job about half way around the course, the roads literally tearing the framework apart.

While crossing Almota ferry somebody accidentally pushed Gilbert's machine over the side of the scow and he had to fish his steed out of five feet of water.

One place that came as a surprise in the nature of poor roads occurred near Vantage ferry. The road runs over hardpan for some distance and then takes a merry drop off into a particularly troublesome brand of flour dust.

Riders breezing along over the hardpan and easing off into the dust when going at about 50 miles an hour spread themselves and their machines all over that section of the state.

ark, N. J., one night several weeks ago, he immediately had a witness of a taxi jaunt in California. He simply couldn't resist what he considered an interesting test trip to observe how a town car would take the punishment of the western deserts, the mountain roads and steep passes of the Rockies.

While waiting for the spring to be repaired, McKelvey listened to the record of performance of the car while another member of his organization searched the Liberty stolen-car records.

Meanwhile the Newark owner had solicited the co-operation of Mr. Ray Brundage of the Wallace Motor company. The rest was easy.

Louie tells the police now that he didn't know a great deal about the laws of New Jersey which prohibit the removal of another man's car to other states. He also intimated that the next time he takes an endurance run, even if he goes clear around the world without a stop, he'll never tell a soul.

OLIVER TAKES OVER NEW YORK STORES

New Executive for Goodrich People at Gotham, Young in Years but Has Had Long Experience.

W. O. Rutherford, second vice president, in charge of sales of the B. F. Goodrich Rubber company, announced two important changes affecting the New York Goodrich branch.

Mr. Oliver is still a young man, in experience in the rubber industry. He first became a member of the Goodrich organization and then joined the ranks of the Diamond Rubber company, which was later absorbed by the Goodrich company.

Mr. Oliver was a member of the Goodrich Detroit organization, and later was in charge of Diamond sales at the Goodrich Buffalo branch when it was managed by Mr. Rutherford.

When Mr. Oliver is not engaged in putting over a big Diamond deal he is conducting first-hand tests of the product he sells—for he is a devout motorist and there are few scenic spots in the east he has not explored in one of his high-powered motor cars.

FAST TIME MADE IN EXTENDED TEST RUN

Motor Truck With Pneumatic Tires Covers Long Distance in Record Time—Oneida Make Machine.

The Oneida Motor Truck company of Green Bay, Wis., started one of its 1 1/2 ton Model B-9's on a test fast run from their factory at Green Bay to New York city of their distributors, the Couch Haas company of Brooklyn.

Jack Welsh and E. H. Thompson, the old racing driver who pilots this "Oneida Hummer," state that only for the wonderful traction of the Goodyear pneumatic truck tires they would never have been able to get through, to negotiate the roads encountered and make the trip in the time.

A soldier named John J. O'Brien, writing to the war risk bureau about his insurance, failed to give his serial number or policy number, but said his papers would be easy to identify as his wife's name was Mary A. O'Brien.

A constant circulation of sea water is taking place within the sponge in its natural habitat.

BRAKE LEVER PLATE SHIELD FROM GREASE

Sprays of Oil From Universal Joint Ruin Clothes—Device in Cole Aero-eight Serves to Protect Them.

It is a matter of common experience that the grease in the universal joint, when heated in the course of a car's operation, has a tendency to run out.

Thus, the centrifugal action of the universal has a tendency to whirl the grease up against the floor boards and should there be any apertures in them, the grease is given an opportunity to find its way into the body of the car and to the clothing of the passengers.

In many automobiles the grease is thrown through the slot through which the emergency brake lever travels.

To guard against this possibility the Cole Motor Car company has equipped the Aero-Eight with a small enamel plate which has been designed for attachment to the emergency brake lever.

It is equipped with a spring, which holds it firmly against the underside of the floor boards, but should dirt collect about it, can be slightly depressed to permit its cleaning.

In the summer time, when high temperature adds to the heat generated by the operation of the universal joint itself, this plate prevents positively all annoyance from the splashing of grease from the front universal joint, and many a dress and pair of trousers will be spared the stains which are so frequently encountered.

and has a late model for a pleasure car, and apparently his commercial needs are cared for for a long time to come.

Despite its age, Mr. Gratz is told, the car has averaged always better than 20 miles to the gallon of gasoline, and for the last three years, since an accurate account has been kept, it has averaged 25 miles to the gallon.

Doua is an example of an industrial city deliberately put beyond the possibility of competition, by dynamite in the hands of the Germans.

SCHOOL DAYS Ride a bicycle. Save time too and from school. Get the exercise. You will be able to give better attention to your studies after this healthful exercise in the morning and feel well all day.

Morler's Cyclery Latest Model 1920 Chevrolet. The best fully equipped economical and reliable car for \$865. Part time if desired. Carry full stock of parts.

EXCEPTIONALLY HIGH MILEAGE RECORD IS MADE BY FRANKLIN A story of exceptional high mileage for an automobile has been received by Norman Gratz, Franklin distributor.

300,000 Maxwell Owners Will O.K. This Car FOR this Post-War Maxwell contains all those fine traits of its 300,000 predecessors. And in addition the great developments in engine, axle and chassis which the war brought.

Cadillac Standard means: —The height of excellence in body design. —A manufacturing standard that holds thousands of measurements to a limit finer than the finest hair.