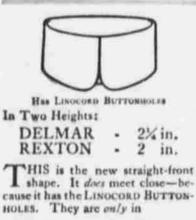
## **Demand for Good Roads Becoming Nation-Wide**

Congress Being Appealed to for Aid in Establishing a Thorough System of National Highways-Failure of Present System Is in Upkeep

insist upon a network of substantial government has not as yet taken an keting, may become greater. The autoist demands them to make possible the opening up of new territory for his business and pleasure. The public at large demands them that land values may be enhanced and the general good be increased. The agitation has reached into county courts, state legislatures and the national congress, so that today an awakened people are looking for the best information as to road construc-tion to be found. The subject is being treated scientifically in the agricultural schools; the government is fluoding the states with literature in which the results of eareful scientific investigation are set before the citizen without charge. The result is a general determination on the part of authorities, in every section of the United States to get out of the rut and stand among the progressive communities of the

country. No great has been the agitation in this country during the past few years that congressmen have been pressed by constituents to secure the passage of laws that would permit the government to participate in the road build ing of the country. Nearly a hundred





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years and the pressure upon congress

men is becoming greater annoally. priation for the building and maintenance of roads has become a part of the regular annual hudget and the number of states in which this is the case is increasing. As the movement gains headway and the competition between states increases the results of agitation on the part of its most ardent en thusiasts become more apparent in the increased number of miles of roads built each year. It is only a question.

of a few years until the people of every state in the Union will how to the extra tax required for initial expense and vote strongly for a bond isun or legislative aid.

It is a mistake to argue that the good road is a luxury. An abundance of examples to the contrary are available. Massachusetts and New Jersey stand as ploneers in the state aid movement for good roads. In the formor state, many instances remain to prove that the construction of substantial mada where formerly were impassable mud holes has had the effect of raising land values at least \$10 per acre. Not only this, but in many of these districts land would not sell at all because of the impassable condition. of the ronds in spring and fall. With the improvement of transportation failities the land along these highways became auddenly desirable and the recult was a stimulos to the realty martet that affected other districts as well. Spottsylvania County in Virginia three years ago voted #100,000 honds for the construction of permanent roads within the county. Upon the advice of the United States office of public roads the money was an expended as to give the county a complete system of excellent trank highways. The result was apparent at once. In two years the agricultural and forest products handled by a single railroad were increased more than 45 per cent, the road system rendering it possible for the farmers to get their produce to market more easily and quickly, with greater profit to themselves. Outgoing soultry, eggs, and dairy products more than doubled in these two years, while the increase of imports was correspondingly large.

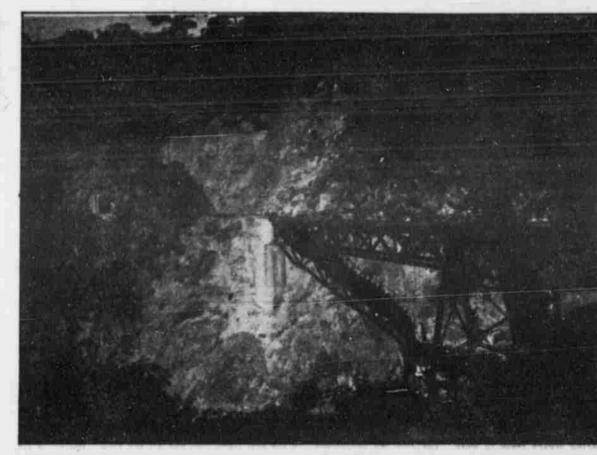
several examples of the great saving to producer and shipper brought by good roads. In 1999 fruitgrowers in and have expended millions of dollars or up toward the stars to where, hun. Wherever the presence of a bridge the Goodnoe Hills in eastern Washing- in construction of trunk lines and dreds of feet above, the mountain peak proved of advantage to the enemy, it ton had to traverse a mountain road for a distance of seven miles to ship ping point. The roads were so sandy branches reaching far into the interior ping point. The roads were so sandy in some places that it was impossible country. Apparently no attention has and the train emerges after a spell, route, the spreading of the rails, to haul a heavy load over them, while been paid to the expense entailed in upon a change of scene that calls forth the undermining of a treatle spell some of the grades were so steep as to reaching the goal, for capyons have new exclamations of admiration and the doom of the entire force. Sab challenge the best horses of the coun- been trestled, mountains pierced and wonder. and bayonet finished the work not a try. It cost the fruitgrowers 20 cents rivers spanned that but a few years The expenditure of so much money camplished by the wreck. But, despit per hundred pounds to haul their pro- sgo challenged the skill of the best in a country so helligerent has brought the losses incident to the revolution duce out and 35 cents per hundred for engineers. Rich valleys and mineral- loss to the capitalist during the recent repairs have been made and further freight going back. This meant an ex- laden mountains are thus reached in months. For Mexico is a country of work projected. The best engineerin pense of 57 cents and \$1 per ton per this strangely unrestful country and revolutions and property rights receive talent available is even now at was mile. The citizens of this district in the scenic wonders of many portions no consideration at the hands of the on new construction proposals.

From north and south, from east and bills have been introduced during the duced the county to build \* them an mules will have 12 bales of cotton any fit. A centralizing of the authority [constructed, is constantly watched and ronds. pair.

highways leading out into trade terri-tory, that the profits of their merchants and to lack of faith in it, but to skep-the results to be realized from good United States, vast sums of money is made more apparent from the widely of the roads carry 90 per cent of the ticism on the part of many members roads. Hundreds of others may be have been spent for the construction of different effect of wagon and auto traffic. The patrol system, adjusted to of congress as to just how to get at found, particularly in France, where permanent roads, but the most import. traffic. The dust surface, kept con- meet this condition, would find the upit. It is generally believed that fed the science of road building has been ant feature of the movement has been stantly forming by the travel of L-rses keep of the roads less frequently used oral assistance will come before many carried to its greatest perfection. So overlooked. This is the upkeep of the and vehicles and so essential to the to be very light.

perfect is the system of roads in many road after constructed. County officials permanency of the roads, is sucked up parts of France that freighting is done seem to regard the newly constructed and whisked away by the swiftly mov-Meanwhile, much work is being done by team and auto truck in annually road as completed. The upkeep is neg-in several of the states. In some cases increasing quantities, the railroads lected and almost before they know it off no dust from the stones remaining cellent roads. Nothing is so discourage the counties are doing the work reaping their share of the profits from the surface is gone, the bottom has to take the place of that removed, ing to the prospective settler or the through the band issue plan, while in the increased tonnage of farm products been undermined and the work has to This condition has brought about much casual observer as a good road full of others state aid is handed to the count hauled to their tracks. England can be done again at the expense of the experimenting in the making of surtion. In some of the states, an appro-furnish the same story. New Jersey taxpayer. To overcome this evil there face, but as yet no solution has been the patrol system is followed in this has been building good roads since seems to be but one remedy-the pa found. It has been demonstrated, country as it is in Europe, there will 1892. In Essex county farm values trol system. Properly organized, this however, that with an effective patrol be no bad stretches of road, for the have increased 41 per cent in the last method of handling the roads will be system one man can attend several methods now known and advised by decade, while taxes have decreased al found inexpensive and efficient, the miles of road with a single horse and our government are superior to those most 50 per cent. From North Caro, road once constructed properly being cart, carrying with him some of the of the old country. Until about three lina comes similar intelligence, an in kept constantly in as good condition materials for repairing and keeping stance being eited where, prior to the as when new. Authority is distributed others in stations located at intervals ampaign for permanent roads, it was among too many supervisors in the along his route. The expense incurred difficult to make the trip to market majority of cases and each is given a in this manner is found to be slight, with a single bale of cotton drawn by free hand for the maintenance of the the first cost proving to be practically a team of sturdy mules. Now two roads of his district as best he sees the full cost. In Europe a road, once

Railroad Construction in Mexico Presents Numerous Obstacles



The wealth of Mexico in agricultural, challenge the eye of the passing tourist contestants. During the late revolumineral and natural resources has as do those of our own country. One tions of Madero and Orozco bridges proven so alluring that American rail-train seemingly fathomless distances to the replacing of which entailed the Right in the Pacific Northwest are

weat comes, as if by a single voice, present legislature, looking to federal shorter and better road, with the re- month in the year over the same road. in the county court seems to have been kept in repair. In America it is selthe ery for better roads. The country aid for states and counties in this im- sult that they now can market their A contemplation of the difference in the most effective method of dealing dom tonehed after it is built. Here is the ery for better roads. The country districts demand them to facilitate the derived from a system of good roads the greater part of their residue was the greater part of the greater part marketing of their crops. The towns is not wanting and the fact that the enten up through the expense of mar- tical of the value of a system of good the roads are to be kept in perfect re- found along the highway, thus reducing to a minimum the cost of upkeep. It

The reform of our system must begin with repairing. Nothing speaks hetter years ago nothing had been done to bring the matter before the public. Now the importance of the automobile as a factor in road construction has made imperative a close study of the best methods in order that a surface may be kept that will not yield to the suction of the soft pneumatic tire and at the same time come within the limit of the taxpayer's pocketbook. With the government to advise and with a thorough upkeep system, this result may be attained and the full benefits of a permanent road system be derived. A national association for highway improvement is the next step in this great movement.



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