

TO REPAIR COUNTY ROADS.

BROOD SOWS IN WINTER.

A Missouri Judge Would Use Part of Road Fund For That Purpose.

The need of a practical system of maintenance of macadam roads in Jackson county, in Missouri, has at last been recognized by the county court...

As evidence of his interest in the matter Judge Christian went out the other afternoon with Oscar Koehler, the county surveyor...

Among the roads to which the attention of the county court has been particularly called is Sixty-third street from the Wornall road to Elmwood...

The people who are accustomed to using the macadam roads are insisting that some action be taken toward the adoption of a system for permanent maintenance.

"What is the use of building fine macadam roads if they are not kept in repair?" said a Jackson county farmer.

REAL GOOD ROAD ADVOCATE.

Nevada Man's Plan to Realize a Dream of Boyhood Days.

John P. Hennessy, a man who has made a fortune in Tonopah, Nev., has given \$10,000 to build a good wagon road from Burnt Ranch...

He repeated the promise frequently during his youthful career and was always laughed at by his hearers.

How the Farmers are Benefited.

It should not take extended argument to convince any farmer of the benefits that will accrue to him by reason of the construction of a good, enduring highway past or through his farm...

English Roads.

Dr. Henry van Dyke writes as follows in June Scribner's concerning the English roads: "What good roads they have in England! Look at the piles of broken stone for repairs stored in little niches all along the way...

Making the Road Attractive.

In the construction of a road the work of beautifying the sides of the highway should not be neglected.

Good Road Maxims.

- If we cannot secure all our rights, let us at least secure good roads. If you'd have good roads, prepare to make 'em now. Time is money, and a good road saves much time.

Importance of Liberal Feeding, Shelter and Exercise.

No class of animals are so ill managed in the winter season as brood sows, says Professor Thomas Shaw in American Agriculturist.

She should be fed a balanced ration—that is, she should be fed a ration with a due proportion of protein in it and a due proportion of carbohydrates.

One of the best combinations in the northern states is field roots and corn, except when the weather is very extreme.

As with feeding the sow, a few principles should be borne in mind which will indicate what should be done under the conditions which must govern the action of the farmer in this matter.

There is no way by which a brood sow can be exercised so well in cold winter climates as by giving her access to a barnyard.

Silage Good For Sheep.

Silage is a most excellent food for sheep, says E. Van Alstyne in Rural New Yorker.

POINTS ON FEEDING

When you want to fatten sheep do not throw in a great volume of feed at one time; they will waste it and be disgusted with it.

Peanuts For Hogs.

In the fall of 1903 five Tamworth hogs, aggregating 895 pounds, were pastured for twenty days upon Spanish peanuts.

Soaking Grain For Pigs.

Authoritative data is not plentiful upon the point of the relative value of dry and soaked whole grain for feeding of pigs.

Alfalfa For Horses.

Horses are often fed too much alfalfa. This is indicated by indigestion, which finally manifests itself in scours.

Steer Feeding.

Alfalfa hay combined with corn and cob meal gave the best results in fattening steers at the Kansas station.

The Colt's Feed.

The second winter in a colt's life the feed should be increased enough to keep the colt growing and in good condition.

Milk For Hogs.

Hogs need fresh, clear water even when they are fed on slop.

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THE BUILDING OF ROADS.

Advice About How Not to Make Repairs on Them.

Consul Hainstead of Birmingham, England, reports to the department of commerce and labor results of unintelligent, unscientific road repair.

"When in London recently I noticed 1 at the great road along the Thames, one of the most important thoroughfares in London, known as the Thames embankment, was very rough, and in a recent article in the London Mail, entitled 'How Not to Make a Road,' some observant person tells of the methods used when the embankment was last torn up and remodeled and reflored, which confirms in many respects the dispatch I recently had published in Daily Consular and Trade Reports, Sept. 9, entitled 'Dust and Motor Cars.'

This writer had thought that a sound knowledge would surely be displayed in repairing such a thoroughfare as the Thames embankment. After the scarifier had been at work and the road torn up, loads of blue metal, he said, were dumped down, but this stone was of a very uneven nature, both as to size and shape, many of the pieces being long and narrow, while others were small and approximately cubical, and there was additionally a large proportion of irregularly shaped stones. The loads were roughly spread across the roadway, and in many cases 'the wheel ruts of the carts were not even raked out.'

Continuing his description of what was done as roadmaking for the great thoroughfare, he says: "Over this chaotic heap was strewn a shad of Macondam—pulverized clay. Water was then copiously flooded on to this interesting mess to induce the clay to get in between the crevices or chasms in the roadway. This it speedily did, although naturally much remained as mud on the surface. Then the steam roller got to work, and soon the roadway looked quite smooth and nice, and he who knew no better would have passed by and said, 'That is a fine bit of work.' He who knew, however, and saw it done, said, 'Give it a few weeks and it will be as bad as ever.'"

False Shoulders.

Many a highway commissioner, anxious to serve his town and progress his road work, leaves what are known as false shoulders on the side of the road, says the Ogdensburg (N. Y.) Advance. In operating his road scraper he fails to put the toe of the blade clear to the ditch on the side of the road, but places it a foot and a half nearer to the middle of the road, thus making a new ditch and leaving a shoulder of dirt between the new ditch and the old one.

National Aid in Road Building.

It is as yet a little early to predict what will be done during the next congress with respect to the question of national aid in road building, says Good Roads Magazine. Announcement has, however, been made that bills will be introduced either at the beginning or before the close of the session.

Working For a Better Road.

No organization in the city is more interested in the movement for good roads than is the Cincinnati Automobile club, says the Auto Advocate and Country Roads. The club is willing to do anything in its power to help along the project, and its committees will be found working hard with those of the local branch of the National Good Roads association.