

### Some Good Hints on Care of Tires

Farmer Writes for Advice and General Answer Is Given With Ideas on How to Save Tire Cost.

I don't know why my tires wear out so soon. Why should my tire expense be so heavy? It seems to me that I buy the best quality of tires, but there is always something wrong.

E. P. B.

There are probably a number of others who find themselves in the same fix as E. P. B. Without knowing just what they do not do, it would be impossible to diagnose what's wrong. We have written, however, a number of ideas concerning the care of tires, which appear below, and which should be of assistance. A second article will follow in a latter issue.

**CHAINS** cut and lacerate the tread and tear it from the carcass. If used at all they should be run loose.

Cuts in the tread are caused by pieces of glass, sharp stones, or other obstacles in the road and if casings

are kept in service the moisture and dirt is forced into the cuts and between the tread rubber and the fabric, forming what is known to tire users in general as "sand blisters."

A soft tread can be caused from the heat, oiled roads, or oil on garage floors, gasoline, repair as well as under-cure. A tread in the above condition cuts very easily, hence separation develops rapidly in account of the dirt, moisture, etc., being allowed to work in and naturally it wears down much sooner than a firm tread. Under-cure is seldom heard of by reason of automatic system of team control employed by factories.

Loose treads are a continuation of the sand blistering conditions.

**Wheel Out of Line**

The wheel of a car out of proper adjustment is an abnormal condition and causes the tread to wear out a great deal quicker than if the wheel were in proper alignment.

A brake not properly adjusted on the wheel will wear the tread unevenly in places and sometimes wear through all plies of fabric, while the balance of the tread may not be much worn. When the brakes are applied a tire naturally

stops on the flat surface rapidly rendering the casing unserviceable.

Skidding is a tire destroyer, it will cut and scrub a tire in places, and in many instances has caused the tire to blow off the rim.

**Fabric Conditions**

Broken fabric is the result of violent kneading and bending of the side walls of the casings. Insufficient inflation causes the fabric to break and tear along both sides of the tread until a snail's slow-cut occurs.

Fabric breaks have the same appearance as broken fabric; in some instances the fabric is broken all the way around and the cause of this is that the tire was used on a car heavier than the tire was designed to carry. Excessive weight on a casing will break down the fabric in the side walls and eventually a blow-out will result.

The causes of ruptured fabric and bruised fabrics are too numerous to mention, but they are mostly caused by casings striking an obstruction in the road accidentally or otherwise.

**Separated Fabric**

Separated fabric is usually due to two causes: Insufficient inflation or friction that has deteriorated with age. If tires are kept properly inflated, separation cannot develop, except from the second cause. Continued service on a partially deflated tire will in a very short time cause separation and shuffling between the various plies and eventually a blow-out.

There are several causes for rim cuts; one of which is riding a tire with insufficient inflation. The others are riding the casing on rims that are not true; that are wrong size; that are battered or misshapen.

Because one tire in an otherwise good set goes bad, it does not necessarily mean that it is defective for each tire spins on its own hub and encounters its own troubles separately from the others.

**Delays Prove Costly**

Make all repairs at once.

Always carry your spare casings in waterproof covers.

Don't carry your extra tubes loose in the tool box. Those sharp tools and the chafing they necessarily receive will ruin them. Careful drivers carry them in a flexible waterproof bag that fits the tube snugly.

**Keep idle tires in a dry, cool place,** away from direct sun.

After putting a new tube in a casing, see that it is not pinched by the bend, valve base, lugs or flap.

An inner protector should be used only in old casings in order to obtain a little more mileage, but never on new. An inner protector by making the casing that much thicker lessens the resiliency of a case and also generates heat which will soon cause the plies to separate, thus ruining the tire. When used at all they should be properly cemented.

### Woman Makes Living From Rabbits

Mrs. Lizzie Nevins Tells How She Nets From \$10 to \$100 a Week From 20 Flemish Giants.



Mrs. Lizzie Nevins Holding a Family of Flemish Giants in Her Lap.

We all have to make money in some way or another. Most of us are anxious to find a new way. Sometimes a hint as to a profitable side line is appreciated. In that way the story of Mrs. Nevins may hold hope for many.

**FOUR** years ago a woman needed money. She had three children. Today her income is from \$10 to \$100 a week.

The woman is respected in her community and looked up to. The children are girls. Her name is Mrs. Lizzie Nevins of Fruitvale, Cal.

She is a raiser of rabbits—a breeder of blooded stock. On the Pacific coast she is a recognized authority.

At her home is a large back yard and in it are hutches containing 140 thoroughbred Flemish Giants.

"Four years ago," said Mrs. Nevins, "I began with three rabbits—a buck and two does. From this start I have built an industry. My greatest ambition was to produce a larger rabbit than any other breeder. In this I have succeeded. What the market man needs is a quick growing animal so that he can get his stock off his hands before the profit is eaten up in feed bills.

**Started With Belgians.**

"I realized this first when I was in the market business myself. I started with Belgian Hares, but switched to the Flemish Giant because of the difference in size and weight of the two breeds. Now I raise only Flemish Giants. For the first four weeks Flemish and Belgians grow at about the same rate, but when the Belgian goes into the moult he slows up and stays in the

moult considerably longer than the Giant. Consequently the Flemish Giant is a better animal for the market man.

"Breeding blooded stock is much more profitable and much easier than raising stock for the market. When I was in the market business I had 425 rabbits. It is considerable work to take care of these.

**Demands Own Price.**

"In the market business the best price you can ever get is the market quotations, while as a breeder I can demand my own price—and get it, too. Animals that cost me a dollar to raise frequently sell for from \$12 to \$15. But, speaking in the slang sense, one must be able to 'deliver the goods' to get this price. My blooded Flemish Giants bring from \$1.50 to \$2.50 in 8 to 10 weeks, according to the pedigree of their parents.

"I entered two rabbits in the Oakland poultry show last year, and won with both; the first for the best buck of any age, breed or color; the special prize; also a second prize.

"Hard work! Yes, indeed. When I started I had many trials, but kept on in the face of discouragement. But any woman with 15 or 20 good stock Flemish Giants can make a comfortable living, if she will apply herself."

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### Stack Covers Will Soon Save Cost

**A GOOD INVESTMENT** for any farmer who does not thrash from the stack or store his hay in barns or sheds is a lot of stack covers.

They will save their cost the first season, and if kept in the barn when not in use will last five or six years.

Covers are also a great deal in the western states, where the value of anything raised on the farm is more keenly appreciated than on the big farms of the West.

But they will pay anywhere.

There is no more reason why good grain or hay should go to waste on a big farm than on a small one.

Get covers of heavy canvas about 12x24 or 16 feet square, and weight down the sides.

They can be bought of any farm implement house.

They will keep the top of the stack dry and there will be no necessity of throwing away a half dozen layers of wheat or a half ton of hay, which is generally done when the covers are not used.

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