It's Advantages and Disadvantages--Machine and Formula.

In response to general interest in the subject the Country Gentleman has collected information from various fruit growers and also presents a cut which gives some idea of the construction of one type of apparatus or dust spraying. The cylinder is the dust box and the wheel works the air blast. D W. Maxwell says:

Lime being your conveyor, you have a basis upon which you can make a compound with perfect safety to your foliage that will exterminate insect life. You will never see any discoloring of fruit. It gives you a perfect foliage. In the liquid process you cannot have thorough work, but in the dust every particle of the tree is covered; not only that, but everything around it. As a fungicide there is no comparison of the two methods nor in destroying the cankerworm and codling moth. You can spray from forty to fifty acres in a day of trees from fifteen to twenty years old at one-half the expense of liquid spraying; cost of material per tree, 3 cents. By our experience we have perfected a formula.

How to Make the Spray.

One barrel of fresh lime, 25 pounds bluestone, 5 pounds concentrated lye, 25 pounds powdered sulphur, 5 pounds paris green (pure). Increase the paris green to 10 pounds for Cankerworms. Break the lime into small pieces and put it into a box 3 by 6 feet. Dissolve the bluestone in boiling water, 6 gal lons. Dissolve the lye in 5 grans hot water. Keep the two solutions separate. Take a sprinkler and sprinkle the solutions on the lime. If not enough to slack into dust, use water. Cover over the dust when through slacking. Make a sieve of fine wire and attach a long handle, Sieve out the dust. Rub the sulphur through sieve into the dust and put the paris green in. Stir thoroughly. Be careful not to get the dust too damp. Your compound is now ready been hostile to the idea of applying the for use. Spray just before the bloom prison labor to this work, but now on. opens, then as it drops, then once a of the most progressive leaders of or week until you have sprayed six times, ganized labor has come forward and then once every two weeks until the indorsed in the most hearty and intel!

A Conservative View.

ment station writes: I can briefly say In order, however, that this shall b that the dust process cannot take the made possible the road building at place of the liquid process for applying thorities in the various states and insecticides in all cases, but that in counties must be provided with neces many instances it is just as effectual, sary funds in order to obtain propwhile in a few it seems to be more ef- machinery, engineering skill and exfectual. Where one has a number of pert labor so as to make use of the small plants, such as cabbages, straw- army of prisoners who would be put a berries and the like, it frequently hap- their disposal under the new plan. pens that the dust process is more effectual than the liquid and also has an it is more and more evident that the advantage over the liquid process, in sid of the national government should that it is much more readily managed. be called in to supply a portion of the On the other hand, in spraying large money. This is all provided for by the orchard trees it is not as effectual, es- Brownlow bill, which was not only in pecially for the codling moth, as is the dorsed by the Chicago convention, but liquid. Many orchards are located on also by the Detroit convention of steep hillsides, where it is practically American roadmakers. Every conven I, D. Hamilton, President impossible for a team to draw a heavy tion met to consider this question since load of water. The ground in other the Brownlow bill was introduced in orchards is so soft during the spring congress has in sed the bill and that it is practically impossible to urged its passage.-Hon. Martin Dodge draw a heavily loaded water tank through the orchard. In still other orprocess or none at all.

Handy In the Garden.

arsenical poison used in the dust ma- ing of them. chine readily floats in the air and is blown a considerable distance by the wind, so that in dusting the trees one should be careful to see that the dust thought the whole thing, and when the does not blow in the face, otherwise away from the dust. It is advisable in the use of the dust to apply it early in the morning while the dew is upon the plants or soon after a rain, and it in sticking to our white fleeced friends. is also well to apply the dust when there is a slight breeze.

For Good Roads.

The convention of American roadmakers which met in Detroit was remarkable in this respect, that Mr. George Burns, the great labor leader and president of the Michigan Labor union, advocated the use of prison labor either in building roads or in after every interment, so that the cempreparing material to be used for hardening their surfaces. He is the first great labor leader to advocate this by many speakers and writers on this Burns sees that it would be clearly in not be made an exclusive ration, howthe interest of such prison labor and also in the interest of free labor to have the great army of prisoners now in the jails in the various states who adding nothing to the common wealth priving boiling water of its heat.

applied to the road proposition in some form or other.

Many people object to a suggestion of this kind because they say that the use of such labor for such a purpose would have a contaminating influence in the community where the work is done. But to avoid such a result Mr. Burns showed that this labor could be applied in the preparation of material. either brick or broken stone, where the prisoners could be worked in inclosures as they now are. The products so produced would not come in contacwith free labor as the articles general ly produced by such labor do. Consequently by this course you avoid competition with the manufacturer who offers for sale the manufactured article or competition with the free labor er who works to produce these articles. and at the same time the prisoner is receiving more useful instruction, hav ing more healthful exercise and adding greatly in the course of years to the common wealth. If Mr. Burns' idea which is undoubtedly a sound and wholesome one, should be adopted to the labor unions of this country gener ally, it would bring to the road caus-

The great meeting of the automobili manufacturers of America held in Chiengo soon after this Detroit convention developed the fact that all of the automobile manufacturers of America are heartfly in favor of some general planof road building that shall be applied ble to all the states in the Union. Being unanimous in this view, they adopted a resolution indorsing the passage of the Brownlow bill, which provides for a system of national, state and local co-operation in the perma nent improvement of the public high ways. It is very evident from the logi of events that the time is rapidly ap proaching when the friends of the goo roads cause will be able to unite many forces in favor of the general plan of road improvement that have hitherte been either indifferent or hostile.

The labor leaders generally have gent way the idea of applying this la bor to the general welfare of the com-J. M. Stedman of the Missouri experi- munity by building up the public roads

In order to secure this necessary fund

Germany has two kinds of roads, chards the location is such that it is state and county. The former cost ship impor Lik to obtain sufficient water \$10,000 a mile to construct and have an for the spraying. In such instances average width of twenty-three feet it becomes a matter of using the dust. They vary from eighteen to sixty feet Each mile and a half is looked after by one man, who, with a wagon and carry the machine and do the dusting work. An overseer has charge of fifty Minnesota. that would require a barrel of water in miles and is paid \$400 to \$500 a year. case of the liquid process. The dust Each county has an inspector, who reprocess also has an advantage in that ceives \$700 to \$1,000 per annum. About in many instances it is much more \$240 a mile is allowed for yearly exreadily made up, and many people will penses for repairs. County roads cost use a small hand dust machine where \$5,000 a mile and repairs about \$55 a they will not go to the trouble of using year. As much regard is given to the a liquid one. The paris green or other maintenance of roads as to the build-

While the wool crop is an element to FRANK E. ALLEY be considered when estimating the value of the sheep it must not be price of the fleece is low do not turn one is apt to inhale too much arsenical away from the flock or turn them off Plans and Estimates for all Buildpoison. The horses should also be kept the farm simply because that product is not up to what it formerly was, says Wool Markets and Sheep. Think of the

Hard boiled eggs mixed with bread crumbs, one half of each, is very good for one feed a day, say every other day for the first week. But too much boiled egg is not good for them, and an entire dlet of hard bolled eggs would soon kill a great many of the little chicks.

When once filled in a Moslem grave is never reopened on any account. To remove the faintest chance of it thus being defiled a cypress tree is planted eteries resemble forests more than anything else.

Wheat contains a larger per cent of course, although it has been suggested albumen than any other grain and for this reason is one of the best grains to question during the past ten years. Mr. feed for egg production. It should ever.-Commercial Poultry.

Coral was made use of by the Romans as a protection against the evil eye, and popular superstition has credare doing no good for themselves and ited the topaz with the power of de-

The kind Frames

to be used is very much a matter of taste. It is important, though, that the frames set properly on the nose, and at the right distance from the eyes. That the lenses be perfectly centered, and how are you to know when some one is guessing.

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