

FARM AND GARDEN

To Train Grape Vines.

It may be said that there are a dozen systems of grape vine training in use, all of which have their good qualities and each, perhaps, superior to all others under certain conditions. The system of training from a single upright growth is, however, admitted to be after the most approved lines, and it certainly gives results. The illustration shows how the vine is trained in its first year. It is cut back to two strong buds at the time of planting and is set so that the buds will be just above the surface of the ground. A slight



TRAINING THE GRAPE VINE.

stake is pressed into the ground near the vine and the vine is fastened to it with cord of a waterproof kind. If the trellis is built during this first year this cord is run to the first wire (the top one) and fastened. The vine will make the growth about as shown in the cut during this first year. The trellis is an important feature of the plan. The posts should be set eight feet apart, and so that they will stand about six feet out of the ground. Two wires are used in the position, as shown in the cut, the wires being fourteen inches apart. In training the vine for the second year cut off all that portion above the top wire, and as the lateral canes grow select the strongest opposite each wire, one on either side of the main stalk, and train them along the wires; this gives us two arms, so to speak, running along each wire at the end of the second year from planting. The third season the fruiting buds must be handled, and it is a good plan to select every other bud, to supply the canes necessary for the upright growth from the arms. This upright growth is shortened in from time to time during the growing season, so as to throw the strength into the fruiting canes. This system of training requires labor, but it gives most excellent results.

Temporarily Blind the Horse.

It has long been known, and put to practical test time after time, that to get a horse out of a fire the best plan is to blindfold him, and many an animal has been saved in this way which it was impossible to remove from the burning stable in any other manner. It is now proposed by a Nebraska inventor to apply practically the same principle to control fractious or vicious horses and to stop runaways which are caused by the animal taking fright at some object on the street or road. While the blinder in common use on bridles prevents the horse from seeing objects on either side, there is nothing to shut out the view of anything approaching which might tend to frighten the animal, and it can also turn its head if it hears a noise; but with this new device the driver or rider has only to pull a cord lying parallel to the reins and a bellows-like curtain is drawn over both eyes to shut out the sight completely. In this condition the animal can only stand and tremble until the object causing the fright has passed, when the curtain is lifted by releasing the cord, and the horse travels on as before. The curtain is housed in a small semi-circular leather casing passing over the animal's forehead just above the eyes, and the operating cords are inserted in the bit rings before passing back with the reins.

TO PREVENT FRIGHT

In the future small farms will be the rule. More and better products will be raised on 60 acres than are now on 120 acres. There are farmers to-day who plant a 40-acre field in corn who could take the same amount of manure they used and put it on a 20-acre field, and get a greater yield and of better quality. Besides this, it will take only half the time to plow and cultivate the 20-acre field, which would further add to the profits. What a lesson the market gardeners are constantly giving to us farmers. Why, some of them use more barnyard manure on 20 acres than some farmers do on 120 acres. The crops the gardeners get are enormous, and their land is constantly increasing in fertility.

Small Farms to Be the Rule.

While the wool crop is an element to be considered when estimating the value of the sheep it must not be thought the whole thing, and when the price of the fleece is low do not turn away from the flock or turn them off the farm simply because that product is not up to what it formerly was, says Wool Markets and Sheep. Think of the many other advantages to be derived in sticking to our white fleeced friends.

Wool Not the Whole Thing.

Beets or Ensilage. Corn ensilage and sugar beets were tested at the Nebraska station as to their value as succulent feed when given to dairy cows. The herd was divided into two lots, the same as in the experiment for testing alfalfa and wild hay. The results shown by this experiment were a little in favor of ensilage, but the difference was very slight. It seems to be more a question of how cheaply the two succulent feeds are produced than of their feeding value. Both foods gave good results and were relished by the animals.

Agricultural Notes.

Eggplant is a gross feeder, but easily cultivated.

Interest in the apple box grows apace in the east.

Bone black is said to be good fertilizer for parsnips.

Give a good, thorough cultivation between the rows of strawberries.

Beets will stand considerable cold weather and may be planted early.

In a cold frame or sprout hotbed is a good place to start lima beans on sods.

It has been demonstrated conclusively that when an animal is fed on a variety, instead of on corn exclusively, a greater gain in weight is secured. Corn will excel in the production of fat, but bone and lean meat sell in the live animal as well as fat, rapid growth being a gain in weight.

In butter and cheese making every effort should be made to suppress dust which, according to a dairy authority, carries more infection than any other source.

Bees carry pollen from one flower to another while seeking honey. The real benefactors are the bee keepers, many of whom keep bees for pleasure rather than for profit. But for the bees many fruit trees that blossom out full would produce no fruit.

Such crops as squash, cucumbers and melons should have all fertilizers applied by broadcasting over the surface of the ground. If manure is applied it will also give good results if worked into the soil, although well-rotted manure in the hills will assist the plants at the start.

Preventing the spread of fungus diseases could be accomplished better by destroying the branches and vines that are cut away from trees and bushes than by the use of other methods. It is not sufficient to remove the portions of trees affected with black knot. They should be consigned to the flames, as no remedy is as sure in the destruction of the spores as fire.

Connecting Pastures by Causeway. It frequently becomes desirable to have the pasture so arranged as to let stock pasture on both sides of a highway. The pasture is sometimes located on one side of the highway and yard and watering place on the other. Much time is required to drive cattle back and forth.

The difficulty can be overcome in a very convenient way. Select a place where there is a little rise in the ground, say from 2 to 4 feet, the more the better. Construct a wide ditch, from 10 to 12 feet, so it will easily admit a team to work with scraper down at bottom of it. Make it from 2 to 4 feet deep, as the natural condition of ground will admit. It must be constructed in such a way that it will have natural drainage at lower side, other-



CAUSEWAY FOR CATTLE UNDER ROAD.

wise it would fill with water after very heavy rains and be of no practical use.

A plank bridge is built across the opening and the sides planked. It should be made 5 1/2 to 6 feet high to admit the passage of all kinds of stock or even horses below. The earth taken out in digging is used in constructing the grade on each side of bridge. The bridge, as well as grade or dump, must be made as wide as required by law. The deeper it is practical to make the ditch, the less it will be necessary to dump upon the grade. A tight fence must be constructed from the pasture on each side of the passageway close up to the bridge. I have seen such a passageway constructed on the level prairie, but in such a case is only practical in every dry season, because in a rainy one the ditch will fill up with water.—Lewis Olsen, Kandiyooh, in Farm and Home.

SUICIDE AT LIND.

Miss Carolyn Merrill Rejects by Lover.

Lind, Wash., June 10.—About 9 o'clock in the morning Miss Carolyn Merrill entered the Grain Belt saloon, inquiring for her lover, Joe Naffziger, the proprietor. On being told that he was asleep in his room she proceeded there. After a brief conversation she reappeared and drank an ounce of carbolic acid, which she had procured at a drug store on her way to the saloon. She was removed to the Commercial hotel, where she expired in about two hours.

The couple had been engaged about three months. Last evening during a drive Naffziger broke the engagement. The young woman spent the night grieving for the love she had lost. On her person were found letters of farewell to Naffziger and her brother, saying she "could not live without Joe's love," and begging God to forgive her for the deed she was about to commit.

Miss Merrill came here last November from near Guthrie Center, Iowa, where her mother lives. She was 21 years of age. She was respected by all who knew her. A brother, Frank Merrill, is employed in the Commercial hotel. A sister, who lives in Portland, has been notified.

Postoffice Scandal.

President Roosevelt fully approved the action of the postoffice officials in pressing the investigations of the department's affairs. It is his intention that the investigation shall be sweeping and thorough. The president and Mr. Payne have had a long conference, during which it is understood the president expressed his desire that the investigation now being made should be as searching as the ingenuity of the officials could make it, and should be purged of even the suspicion of dishonesty.

Murder and Lynching.

Macon, Ga., June 10.—W. Cope Winslow, Jr., whose father was one of the leading members of the Georgia bar, was instantly killed by a negro named "Banjo" Peavy on the former's farm, near Fort Valley. The negro owed Mr. Winslow a small sum of money and was asked to work out the debt. He refused and shot Mr. Winslow through the head. Peavy was soon captured and turned over to the sheriff. At 9 o'clock tonight the guard was overpowered and the negro hanged. His body was riddled with bullets.

O'Brien Captured.

KallsPELL, Mont., June 10.—George O'Brien, who killed John Flynn at Rexford on June 1, has been arrested at Tobacco Plains and arrived here today in the custody of Deputy Sheriff George Rich. With him was arrested John O'Neill, known as Dempsey, who is wanted at Fernie, B. C., for murder. The men were in a railroad grading camp when caught. O'Brien killed Flynn for the money in the till of his store and saloon.

General Staff of Army.

It is stated at the war department that the president and Secretary Root had agreed upon the general officers who are to be members of the general staff of the army. Owing to the absence of General Young, who is to be chief of staff when he becomes lieutenant general, Secretary Root decided not to make the announcement of the names until later. It has been stated that the general officers will be Generals Young, Corbin and Bliss.

Packing Plant Burned.

Aberdeen, Wash., June 10.—The plant of the Grays Harbor Packing company, erected last year and equipped with fine machinery, is burned. Loss estimated at \$50,000, partially insured. The plant was part of the American Cannery company, which recently went into the hands of a receiver.

Make a Visit to Alaska.

Washington, June 10.—Senator Dillingham of Vermont has been in Washington the past few days arranging the details of a visit to be made to Alaska by a subcommittee of the senate committee on territories, of which he is chairman.

Coast Wheat Report.

Tacoma, Wash.—Two cents higher; bluestem, 80c; club, 75c.

Portland, Ore.—Walla Walla, 74c; bluestem, 77c; 78c; valley, 75c.

Gov. Bailey of Kansas Weds.

Topeka, Kan., June 10.—Governor Bailey of Kansas and Mrs. Ida M. Weed of Kansas City was married in Kansas City Wednesday evening.

Chief of Immigration Bureau.

Seattle, Wash., June 11.—Colonel M. Fisher, Chinese inspector at Seattle, has been appointed chief of the immigration bureau at Seattle.

Fatal Runaway.

Phillipsburg, Mont., June 10.—As a result of a runaway accident Sunday evening, George Blum is dead.

Free Medical Advice to Women.

All Letters



Are Strictly Confidential

Every sick and ailing woman,
Every young girl who suffers monthly,
Every woman who is approaching maternity,
Every woman who feels that life is a burden,
Every woman who has tried all other means to regain health without success,
Every woman who is going through that critical time—the change of life—
is invited to write to Mrs. Pinkham, Lynn, Mass., in regard to her trouble, and the most expert advice telling exactly how to obtain a CURE will be sent absolutely free of cost.

The one thing that qualifies a person to give advice on any subject is experience—experience creates knowledge.

No other person has so wide an experience with female ills nor such a record of success as Mrs. Pinkham has had.

Over a hundred thousand cases come before her each year. Some personally, others by mail. And this has been going on for twenty years, day after day, and day after day.

Twenty years of constant success—think of the knowledge thus gained! Surely women are wise in seeking advice from a woman with such an experience, especially when it is free.

Mrs. Hayes, of Boston, wrote to Mrs. Pinkham when she was in great trouble. Her letter shows the result. There are actually thousands of such letters in Mrs. Pinkham's possession.

"DEAR MRS. PINKHAM:—I have been under doctors' treatment for female troubles for some time, but without any relief. They now tell me I have a fibroid tumor. I cannot sit down without great pain, and the soreness extends up my spine. I have bearing down pains both back and front. My abdomen is swollen, I cannot wear my clothes with any comfort. Womb is dreadfully swollen, and I have had flowing spells for three years. My appetite is not good. I cannot walk or be on my feet for any length of time.

"The symptoms of Fibroid Tumor, given in your little book, accurately describe my case, so I write to you for advice."—Mrs. E. F. HAYES, 233 Dudley St. (Boston), Roxbury, Mass.

"DEAR MRS. PINKHAM:—I wrote to you describing my symptoms, and asked your advice. You replied, and I followed all your directions carefully for several months, and to-day I am a well woman.

"The use of Lydia E. Pinkham's Vegetable Compound, together with your advice, carefully followed, entirely expelled the tumor, and strengthened the whole system. I can walk miles now.

"Your Vegetable Compound is worth five dollars a drop. I advise all women who are afflicted with tumors, or any female trouble, to write you for advice, and give it a faithful trial."—Mrs. E. F. HAYES, 233 Dudley St. (Boston), Roxbury, Mass.

Mrs. Hayes will gladly answer any and all letters that may be addressed to her asking about her illness, and how Mrs. Pinkham helped her.

\$5000 FORFEIT if we cannot forthwith produce the original letter and signature of above testimonial, which will prove its absolute genuineness.
Lydia E. Pinkham Medicine Co., Lynn, Mass.



Thought Us Dead?

We're Very Much Alive.

S. B. Headache and Liver Cure Still Doing Its Great Work. S. B. Cough Syrup. Everybody Takes It. Everybody Likes It.

AT ALL DRUGGISTS

The shrinking of woolen goods is caused by the felting quality of the woolen fibers, each of which is possessed of beard or slanting saw teeth, which favor forward movement but forbid retreat.

There is more Catarrh in this section of the country than all other diseases put together, and until the last few years was supposed to be incurable. For a great many years doctors pronounced it a local disease, and prescribed local remedies, and by constantly failing to cure with local treatment, pronounced it incurable. Science has proven catarrh to be a constitutional disease, and therefore requires constitutional treatment. Hall's Catarrh Cure, manufactured by E. J. Cheney & Co., Toledo, Ohio, is the only constitutional cure on the market. It is taken internally in doses from 10 drops to a teaspoonful. It acts directly on the blood and mucous surfaces of the system. They offer one hundred dollars for any case it fails to cure. Send for circulars and testimonials.

Address: F. J. CHENEY & CO., Toledo, O. Sold by Druggists, 75c. Hall's Family Pills are the best.

Massachusetts has 1899 prisoners per million population.

Don't count on chickens—you may get hatched.

"The Klean, Kool Kitchen Kind" is the trade mark on stoves which enable you to cook in comfort in a cool kitchen.

When wheat follows a crop of clover it yields six bushels more to the acre than when it follows wheat.

ENORMOUS FLOOD LOSSES.

In Kansas Alone They Total Seventeen Million Dollars.

Kansas has suffered as a result of the recent floods more than any other state. No exact figures of the loss sustained can, of course, be given, but the damage done in the principal cities and towns is estimated as follows:

North Topeka, \$250,000; Lawrence, \$500,000; Salina, \$200,000; Manhattan, \$150,000; Junction City, \$100,000; Solomon, \$50,000; Abilene, \$250,000; Lindsborg, \$100,000; Hutchinson, \$100,000; Minneapolis, \$100,000; Emporia, \$65,000; Florence, \$50,000; Lincoln Center, \$50,000; Atchison, \$100,000; Argentine, \$2,000,000; Kansas City, Kan., and suburbs, \$8,000,000. Nearly 200 smaller towns were affected by the floods.

The lowest estimate that can be made of the loss done to crops is \$5,000,000.

For coughs and colds there is no better medicine than Pisco's Cure for Consumption. Price 25 cents.

President Roosevelt has returned to Washington from his memorable trip of over two months throughout the west.