

EVERYTHING FOR THE GARDEN.



BURBANK WORKS SYSTEM

Gets Phenomenal Results by Studying the Habits of Plants.

EMPLOYS THE FUNDAMENTALS
Works All of His Experiments from a Natural Foundation and Finds New Varieties by Grafting Species.

In this, the early spring days, when the men and women whose diversion involves work in the garden and in the orchard, it might be well to take a lesson from the resultful methods of the greatest of all horticulturists, Luther Burbank. While the world knows much of his achievements in the creation of new forms of plant life, only a very small number of those familiar with his work really know how he gets the phenomenal results that have made him the genius that he is.

Luther Burbank has several fundamental methods of procedure—perhaps the most important being the hybridizing of more or less closely related species and varieties of plants. Early in his career he discovered that he could produce new varieties, and in some cases new species, by cross-fertilizing different species of plants. As testimonials to his success in this field, we have his well known plum-cot, a cross between the plum and the apricot, crosses between the apple and the pear, apple and quince, quince and pear, peach and nectarine, peach and lemon, orange and lemon. By crossing different varieties within the species, he has produced hundreds of new varieties of plums, prunes, peaches, apples, pears, cherries and quinces. His stoneless plum and prune and his gigantic cherries are notable instances of his creations by crossing different varieties of the same species.

Selects with Care.

As a supplement to the process of hybridization comes his keen judgment in the selection of varying individuals of the same species or variety. By taking a cherry that bears fruit early in the season, he developed his present early appearing cherry. By selection he evolved the Burbank sugar prune with a 33 per cent sugar content.

Burbank's methods preclude guesswork. He always knows exactly what he is striving for and only uses such examples as contain in the embryo the ultimate qualities desired. If he desires to make a cherry larger, wider, redder and juicier he reduces the size of the plant and shortens the stem to make the tree a hardy and a prolific bearer. He blends the right hereditaries and after securing plants that show a given combination of a superlative degree, he then proceeds to produce a great quantity of seedlings.

Saves All the Seed.

Here, perhaps lies the secret of his success for by this he accomplishes, within a comparatively short time, what would otherwise take years to do. After his attention is attracted to a plant, Burbank saves all of the seeds and sows them in soil placed in green-house boxes about eighteen inches square and four and one-half inches deep. The soil itself is prepared by mixing fifty parts of pure sand; forty parts of loam containing leaf-mold, eight parts powdered moss or peat, and two parts bone fertilizer. The soil is moistened by dropping the boxes into a tub of water. The seeds are sown on the surface and covered lightly with a thin layer of soil and powdered moss. The seedlings are transplanted into a field and then subjected to a rigid inspection—out of many thousand seedlings Burbank may select less than a dozen for further experiment. In his selection, he

LIVE WIRE REAL ESTATE MAN OF THIS CITY.



Jesse L. Hiatt
Of Hiatt-Fairfield Company.

lays particular stress on the sturdiness of the stock, the branches, round fat buds, large thick leaves, rich color, vigor and tendency to upright growth.

Grafts to Mature Tree.

In order to bridge time and to breathe into the complex hybrid, and various trees of the different species, he gets a seedling from his own root and grafts it as a scion on the branch of a mature tree. He grafts his seedling, as a rule, on a twig nearest the end of a branch. The scions thus placed usually bear fruit in the second year, whereas, if they had been left to grow on their own roots, five or six years of growth would be necessary to secure a bearing. Because of this method, experiments are carried on through five or six generations in the time that would originally be required for two generations.

At the Burbank proving grounds at Sebastopol, will be found many trees with a score or more of graftings on each and every one of them.

All of Burbank's work has a permanent quality in it, and the methods that he employs, might be used by anyone who has more than a mere cursory interest in plant development.

GARDENERS BUSY AT PANAMA EXPO GROUNDS

Grading for lawns and flower gardens is in progress over the ground adjoining the west facade of the Palace of Machinery at the Panama-Pacific International exposition at San Francisco. Gardeners under the direction of Landscape Engineer John McLaren, have been planting lawn, trees and shrubs over this area. Within a month the landscape engineers will begin growing lawns and gardens around the main group of exhibit palaces.

HARDY FLOWERS GROW WELL

Pretty Annuals and Perennials Take But Little Care.

GREAT VARIETY IS POSSIBLE

Beautiful Combinations of Colors May Be Secured if Selections Are Carefully and Properly Made.

To those who love flowers—all flowers, from rare hot-house blooms to the tiny blossoms that grow by the roadside through the summer heat and dust—there must inevitably come a time once a year when nothing seems quite so worth while and utterly desirable as a garden, and so inconsistent are the whims and fancies of the average person that this longing for a plot of ground may come surging upon him almost before the snow is off the ground, while winds are raw and cold and not a spear of green is in sight.

But even if March comes in like a lamb, not even the most impatient gardener can seriously consider the possibility of beginning to prepare the ground or sow the seed as early as this, though the fever may be strong upon him. Must a person confine his horticultural aspirations at such a time merely to the reading of garden books or seed catalogues? Not at all, for this is just the time for the one who wants flowers blooming as early as possible to start the seeds indoors or in hotbeds.

Most of Hardy Annuals. Slow-growing annuals should be started indoors early, and there are a few plants which can be expected to bloom before eight weeks after the time of planting. The prodigies which will do it in six weeks are rare, and many plants will not come up to the eight-week allowance, so that the crafty gardener who hopes to make his neighbors envious will plant his seeds in March, and not set his plants until May.

While an iron-bound rule as to color distribution should be laid down, it is generally true that the most effective results are obtained from mixing colors rather than mixing them without regard to harmony of hue. Charming effects are produced by shaded groups of phlox or cosmos, and here and there a rainbow group of flowers of delicate shades will be pleasing, but, as a rule, single colors in mass should predominate. Sweetpeas are most often planted all colors together, but any one who has seen them grouped in masses of pink or lavender, will conclude that this is the more satisfactory way.

Some Popular Annuals.

Among annuals which are especially well adapted to the small garden are those closed under the head of trailing flowers and those under six inches in height. There is a geranium, which comes in light and dark blue as well as rose, and may be set out May 1; sweet alyssum, a dainty little flower good for borders, edgings, baskets, or rockery, and portulaca, almost unrivaled among plants for brilliancy of color. It is hardy and will flourish under a hot sun with little water.

Perennials, too, must be started early indoors or in the hotbed, and the earlier the gardener sets them out the better. There will be no blooms the first year for the one who has not begun work early, and for him who waits until the end of March results in this year's bloom are decidedly uncertain. Such a procrastinating gardener must resort to the little plants which the florists display so temptingly in the spring.



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WERTER DEVAUGHN, Phone Tyler 2060.

A Burbank Garden for \$1.00

Luther Burbank's own selection of his own seeds, 12 varieties, including Burbank popples, gigantic crimson morning glory, long season sweet peas, "rainbow" corn, giant sinnia and 7 others of equal merit, all for \$1.00.

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REFUSES MEXICANS PASSES

Missouri Pacific Officials Will Not Transport Them.

LABORERS RESIGNING JOBS

Seven Section Foremen and Trackmen on Right-of-Way of Road Quit to Return to Their Native Heath.

hear arms against the United States in support of Huerta.

The railroads have prepared to replace the men who have resigned, and will be ready to meet other resignations of Mexicans with the same remedy for the shortage in the track force occasioned by the departure of the Mexican employees.

RECRUITING STATIONS WANT HOSPITAL MEN

The first orders received by the naval recruiting station indicating the possibility of war came today, when the recruiting force was directed to use special efforts to enlist qualified men for the hospital corps. No extra seamen are especially called for in the order which indicates the demand for qualified men for the hospital work.

The order follows: "Efforts are requested on the part of recruiting forces to make enlistment of qualified male persons. Such men may be enlisted as hospital apprentices in accordance with their qualifications. Men who are enlisted in this rating should be sent as promptly as possible to receiving ships or stations."

Persistent Advertising to the Road to Elg Returns.

Offers Regiment of Sioux Indians for Uncle Sam's Service

The first proposal to put a full regiment of Sioux Indian warriors into the field comes from Fred Hans, old Indian scout, who told Mayor James C. Dahlman that he would ask for permission to lead the Indians to war if they were needed in Mexico.

Hans fought in the Pine Ridge Indian wars in the nineties and is intimately acquainted with the Sioux. He says these Indians would go to war with alacrity if the government would permit them to, under the leadership of whites.

Delayed Message from Babcock is Received by Wife

"All safe and quiet in Mexico City." This message was received by Mrs. G. I. Babcock from her husband, who is manager of the Young Men's Christian association building in Mexico City, where two Americans were reported to have been killed.

The message was not dated and is evidently delayed.

G. I. Babcock was formerly of Omaha. He is the cousin of R. O. Babcock, superintendent of The Bee building.

National Society of Deaf May Meet Here

J. Cooke Howard, a prominent business man of Duluth, Minn. and president of the National association of the Deaf and of the Gallaudet College Alumni association gave a lecture before the deaf people of Omaha and Council Bluffs at the Walnut Hill church, corner Forty-first and Charles streets Friday, Rev. Mr. Cloud, principal of the St. Louis Day school for the Deaf also spoke.

The Gallaudet Alumni association held a banquet at the Rome hotel last night, at which both gentlemen were speakers. Quite a large crowd attended the lecture and a great deal of enthusiasm was exhibited towards holding the convention of the National Fraternal society for the Deaf in Omaha in 1915.

Seven Mexican section foremen and trackmen on the Missouri Pacific have sent in their resignations to headquarters here and asked for transportation to Mexico at once.

The railroad officials here are reported as going on record against the giving of transportation to return the Mexicans to their native land for the purpose of engaging in war against the United States.

One theory is that the Mexicans fear personal injury if they remain in the United States, in the event that war is declared.

Another theory advanced by railroad men is that the Mexicans desire to return to their native land at once, to

MILK WAGON DRIVER BREAKS HIS LEG IN A RUNAWAY

Morris Nielsen, driver for A. P. Grobeck, proprietor of the Spring Lake dairy, broke his left leg when in attempting to stop his horse, which ran away at Fifteenth and Vinton streets he fell beneath the wheels. He was given emergency attention and removed to St. Joseph hospital in the police patrol.

FONTENELLE DIRECTORS ORDER HOTEL'S COMPLETION

A special meeting of the directors yesterday took up a number of matters in connection with the new Fontenelle hotel, among other things being to order the completion of the two stories originally to be left unfinished conditioned on the necessary financing. President Wattles has gone east on a ten days' business trip in which he will look after the interests of the hotel company in connection with its proposed building loan.

CALL ISSUED FOR SPANISH VETERANS TO MEET TODAY

A call has been issued by the Spanish war veterans to assemble at the Grand Army of the Republic headquarters in the court house this afternoon at 2 o'clock. The object of the meeting is to discuss various topics of interest to the organization and to talk over moves in behalf of the Mexican situation.

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