

# Horticulture

## METHOD IN CLEFT GRAFTING

Scion Should Consist of a Portion of the Previous Season's Growth of the Tree.

To make a cleft graft select a branch one or one and one-half inches in diameter and sever it with a saw. Care should be taken that the bark be not loosened from any portion of the stub. Split the exposed end with a broad thin chisel or grafting tool. Then with a wedge or the wedge-shaped prong at the end of the grafting tool spread the cleft so that the scion may be inserted.

The scion should consist of a portion of the previous season's growth of the tree to be propagated and should be long enough to have two or three buds. The lower end of the scion, which is to be inserted into the cleft, should be cut into the shape of a wedge, having the outer edge thicker than the other. In general it is a good plan to cut the scion so that the lowest bud will come just at the top of this wedge in order that it will be near the top of the stock. The advantage of cutting the wedge thicker at one side is illustrated showing how the pressure of the stock is brought upon the outer growing parts of both scion and stock, whereas were the scion thicker on the inner side the conditions would be reversed and the death of the scion would follow.

The importance of having an intimate connection between the grow-



A. Scion. B. Scion inserted in cleft. C. Cross section of stock and scion. D. Grafting tool.

ing tissues of both scion and stock cannot be too strongly emphasized, for upon this alone the success of grafting depends. To make this contact of the growing portions doubly certain, the scion is often set at a slight angle with the stock into which it is inserted. In order to cause the growing portions of the two to cross.

After the scions have been set, the operation of cleft grafting is completed by covering all cut surfaces with a layer of grafting wax.

Cleft grafting is particularly adapted to top-working old trees, that is, changing them from undesirable to desirable varieties. Branches too large to be worked by other methods can be cleft grafted. Sometimes several varieties are grafted on a single tree. The best time for cleft grafting is in the spring just after growth has begun. Wood for scions is usually cut in the fall, tied in bundles, and buried in sand to protect them from extremes of heat and cold until they are to be used.

## TRAINING THE YOUNG TREES

More Important Than Pruning and Should Consist Mostly in Keeping Plant Balanced.

(By W. J. GREEN)

Training the young orchard is more needful than pruning, and should consist mostly in shaping the trees or keeping them in form and properly balanced. Very often the side opposite the direction from which the prevailing winds come, becomes heavier than the side towards the wind, and the removal of some of the branches and heading in of others becomes necessary.

Some shoots become too rampant and need checking to reserve the balance of the tree, and others can be bent and tied to fill the open spaces. Work of this kind and the removal of water sprouts may be done in the summer.

A bushy or clustered habit of growth is not uncommon even in quite young trees, and needs to be corrected by the removal of surplus branches.

## Prevent Fungous Diseases.

Prompt removal of all dead and decaying portions of fruit trees; immediately burning the same, will lessen fungous diseases of fruit trees of all kinds. In the case of fire blight, a disease common to pear and apple trees, the removal and burning of all affected parts is the only known remedy for curing a tree or holding the disease in check. No chemical remedy has yet been found that will kill the spores of the blight disease.

In a similar manner it is always a good plan to promptly remove all defective fruit from the orchard, either when the defect is caused by fungi or insects.

## Cost of Spraying.

It costs about 10 cents per tree to spray an orchard three times, with 50 trees to the acre. This cost includes both spray material and labor, but does not cover the cost of the spray machine.

## HOW PRIMROSES ARE GROWN

Best Way is to Propagate From Seeds, Which Should Be Sown as Soon as Soil is Warm.

The best way to propagate primroses is from seeds, which should be sown as soon as the soil becomes thoroughly warm.

The seeds are quite small, but are easily scattered by sowing in a box or bed. The soil must be sifted fine and of a moldy consistency, which will not bake or harden or become dry. Press the surface of the soil smooth and



Primrose is Cheerful.

level, sow the seeds evenly and thinly, and cover lightly. It is a mistake to sow deeply.

The ground must be kept moist and covered, that is, protected from the rain, wind and hot sun, until the plants appear. It requires from three weeks to a month to bring the plants to the surface, then they must be carefully dusted with a little tobacco and sulphur mixed, to keep down the fungus and insects.

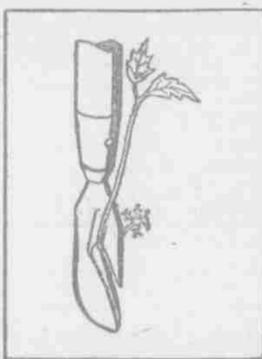
The primrose requires a moist, but not wet soil, and if the soil is allowed to dry out before the plants appear, propagation will be greatly retarded or entirely stopped.

Used in borders or in pots, the little primrose is always a beautiful, cheerful plant.

## HANDY TOOL FOR FLORISTS

Shoves Cuttings into the Earth and Pulls Out Without It—Gives Considerable Time.

A handy little tool for gardeners and florists is that devised by a Georgia man and shown in the illustration. It is for the transplanting of cuttings, and while that operation is by no means a difficult one under the old crude methods, the tool saves a lot of time if there is much of the work to be done. Anyone who has transplanted slips will see at a glance how the implement is used. At the end of a rod is a metal head with a wedge-shaped point and an in-



Transplanting Tool.

clined slot open at its lower end. An inch or so of the lower end of the cutting is passed through this slot and turned up, to form a loop. The tool is then thrust into the ground to the depth desired, and as it is withdrawn the slip is left in the hole. The earth around the top of the hole is pinched together to hold the plant erect, and there you are. The old method of first punching a hole with stick or finger and then thrusting the plant into it took a great deal more time.

## HORTICULTURAL NOTES

Sow wood ashes broadcast in the orchard.

The best two methods of grafting is cleft and side grafting.

A little grafting here below makes better-flavored apples grow.

Always buy clean, straight trees with short stems and ever; then do not be afraid to prune before planting.

If you think of setting out an orchard and have had no experience, better hire a good man to show you how.

The flowers of many trees, like the oak, elm and hickory, are so inconspicuous that they are popularly supposed to be altogether lacking.

Three years of spraying, pruning and cultivation will bring an orchard that you are ashamed of into a condition that you will be proud of.

# Libby's Sliced Dried Beef

Old Hickory Smoked Highest Quality Finest Flavor

Try This Recipe  
To the contents of one medium size jar of Libby's Sliced Dried Beef, add one tablespoonful of butter, then sprinkle with one tablespoonful of flour and add one-half cup of cream. Cook 5 minutes and serve on toast.

Ask for Libby's in the sealed glass jars.

At All Grocers  
Libby, McNeill & Libby Chicago



THE DARWINIAN THEORY.



Count De Bree—I would like to show you my family tree.  
Miss Gottrox—Oh! please do; I've never seen a cocoon tree!

## THREE CURED OF ECZEMA

"When a child, I suffered eight years with eczema. I could not sleep at night, and had sores all over my chest. We had doctors and none could do any good, until my mother saw the advertisement of the Cuticura Remedies in the paper. We used the Cuticura Soap, Ointment and Resolvent, and they cured me of eczema. I also used them on my five children. Two of them had eczema very badly. When my children had eczema, I was not worried at all, as I knew the Cuticura Remedies would do their work. They had sores all over their heads, their hair would fall out, and they would scratch all night and day. They had it on their heads, face, and in back of the ears so that I thought their ears would drop off. I washed their heads and bodies with Cuticura Soap and they are as clean as the driven snow. Cuticura Soap and Ointment also cured my children of ringworm. I would not be without the Cuticura Remedies. They are wonderful." (Signed) Mrs. Violet Cole, 26 S. Redfield St., Philadelphia, Pa., Oct. 29, 1910.

Cuticura Soap and Ointment are sold throughout the world. Send to Potter Drug & Chem. Corp., sole props., Boston, for free book on skin and scalp diseases and their treatment.

So familiar.  
"Yes," said Nagget, "a woman usually treats her husband as the average servant treats bric-a-brac."  
"Go ahead," said the wise Mrs. Nagget. "What's the answer?"  
"Why, the more he's worth the more she tries to break him."

SHAKE INTO YOUR SHOES  
Allen's Foot-Powder, the Antiseptic powder for Itch, itching, swollen, nervous feet. Gives rest and comfort. Makes walking a delight. Sold everywhere. Do not accept any substitute. For FREE sample, address Allen S. Guntzel, Le Roy, N. Y.

Getting On.  
"Well, little boy, did you go to the circus the other day?"  
"Yes'm. Pa wanted to go, so I had to go with him."

Eye Salve in Aseptic Tubes  
Prevents Infection—Mucine Eye Salve in Tubes for all Eye Ills. No Morphine. Ask Druggists for New Size 25c. Valuable Eye Book in Each Package.

Best in the World.  
Maud—What excuse have you for doing such an unmanly thing as proposing to Jack?  
Ethel—The golden rule.

Mrs. Winslow's Soothing Syrup for Children.  
Soothing, softens the gums, reduces inflammation, always pain, never wind colic, 25c a bottle.

But few novels are written for thinking people; most of them are written for the entertainment of women.

Start fresh this Spring—cleanse and purify the system by a course of Garfield Tea, Herb laxative and blood-purifier.

A thing of beauty is a joy forever.  
Keats.

Smokers like Lewis' Single Binder cigar for its rich mellow quality.

It's difficult to discourage a girl who can't sing.

## Begin Right and Don't Put it Off for Another Day.

Eruptive skin diseases of many years' standing have been cured by the application of Resinol ointment and the use of Resinol soap in a few weeks. Begin with Resinol and you begin your cure. If you've tried everything without benefit, try Resinol, and you will no doubt see improvement from the start. Resinol ointment cures all forms of skin eruptions, as acne, eczema, herpes, erysipelas, erythema, barber's itch, poison ivy, ringworm, etc. Resinol ointment is the best dressing for boils, carbuncles, felonis, cuts and all abrasions of the skin. At all drug stores.

## HE WOULD DO.



Mr. De Wealth—Have you any experience as chauffeur?  
The Applicant—Well, I can show you the receipts for the fines I have paid.

## IN THE GOOD OLD SUMMER TIME.

Many a time this summer you're going to be just about done out by the heat—hot, and so thirsty it just seems nothing could quench it. When such moments arrive or when you just want a delicious, palate tickling drink step into the first place you can find where they sell COCA-COLA. It's delicious, refreshing and completely thirst-quenching. At soda-fountains or carbonated in bottles—So everywhere. Send to the COCA-COLA CO., Atlanta, Ga., for their free booklet "The Truth About COCA-COLA." Tells what COCA-COLA is and why it is so delicious, cooling and wholesome.

## And They Adjourned.

The Mutual Admiration society met and was called to order.  
"What of all things in this world do you like best?" asked the girl, angling for a compliment.  
"Beefsteak!" cried he, taken unaware, and a moment later the society adjourned.

## Important to Mothers

Examine carefully every bottle of CASTORIA, a safe and sure remedy for infants and children, and see that it bears the Signature of *Charles H. Fletcher* in Use For Over 30 Years. Children Cry for Fletcher's Castoria

## He Was Innocent.

Johnny Williams had been "had" again.  
"Ah, me, Johnny!" sighed his Sunday school teacher. "I am afraid we shall never meet in heaven."  
"What have you been doing?" asked Johnny, with a grin.—Harper's Monthly.

## Distemper

In all its forms among all ages of horses, as well as dogs, cured and others in same stable prevented from having the disease with EPOCH'S DISTEMPER CURE. Every bottle guaranteed. Over 600,000 bottles sold last year \$2.50 and \$1.00. Any good druggist, or send to manufacturers. Agents wanted. Epoch Medical Co., Spec. Contagious Diseases, Graham, Ind.

## Woman's Power

Women's most glorious endowment is the power to awaken and hold the pure and honest love of a worthy man. When she loses it and still loves one, no one in the wide world can know the heart agony she endures. The woman who suffers from weakness and derangement of her special womanly organism soon loses the power to sway the heart of a man. Her general health suffers and she loses her good looks, her attractiveness, her amiability and her power and prestige as a woman. Dr. R. V. Pierce, of Buffalo, N. Y., with the assistance of his staff of able physicians, has prescribed for and cured many thousands of women. He has devised a successful remedy for woman's ailments. It is known as Dr. Pierce's Favorite Prescription. It is a positive, specific for the weaknesses and disorders peculiar to women. It purifies, restores, strengthens and heals. Medicine dealers sell it. No lesser dealer will advise you to accept a substitute in order to make a little larger profit.

## IT MAKES WEAK WOMEN STRONG, SICK WOMEN WELL.

Dr. Pierce's Pleasant Pellets regulate and strengthen Stomach, Liver and Bowels.

## Woman's Power Over Man

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## SHE KNEW ALL ABOUT SILAS

Mrs. Hopkins Well Understood the Frugality of Her Esteemed Fellow Townsman.

Mrs. Wiggins had "run in" for a minute to talk over the latest news of the village with her friend, Mrs. Hopkins.

"Do you know," she said, "they tell me that old Mr. Magee didn't subscribe but 50 cents to the minister's salary. That doesn't seem possible, does it?"

"To anybody that knows Silas Magee real well, it does," replied Mrs. Hopkins. "You haven't lived in this town all your life, Mrs. Wiggins, and you don't know what Silas is capable of. Why, I remember once when he was a young fellow, going to singing school with the rest of us, we got up a picnic.

"One of the girls spoke up and said she'd bring some chicken sandwiches. 'I'll bring some frosted cake,' says another.

"I'll bring some sliced ham," says another.

"I'll fetch some jelly and cookies," says somebody else, and so it went on till we had most everything we could eat, promised. Then one of the boys who had no sisters said he would bring the coffee. That gave Silas his chance. He'd been sitting by, listening to it all, and now he spoke up real brisk, and says he:

"I'll bring the water for the coffee."

"No, Mrs. Wiggins, I ain't surprised a mite at his subscribing only 50 cents. The only surprising thing is that it wasn't a quarter."—Youth's Companion.

## DON'T NEGLECT YOUR KIDNEYS.

Kidney troubles are too serious to neglect. Slight ailments are often fore-runners of dangerous kidney illness and should be treated without delay. J. L. Richardson, Red Key, Ind., says:

"My back ached as though it would break. I could not move without intense pain. My kidneys were in such bad shape that it was necessary to draw the secretions. The doctors said I was beyond help. I began the use of Doan's Kidney Pills and gradually improved until completely cured. I have not had the slightest trouble since."

Remember the name—Doan's.

For sale by druggists and general storekeepers everywhere. Price 50c. Foster-Milburn Co., Buffalo, N. Y.

## Test of Social Standing.

Old Porcelain—She! My wife has a pearl necklace concealed in her bonnet!

Customs Inspector—Hub?  
Old Porcelain—Don't overlook it, that's all! She wants to get her name in the papers as a society leader!

Puck.

Tell the dealer you want a Lewis' Single Binder straight 3c cigar.

It's a wise proverb that is able to deliver the goods.

Garfield Tea regulates a lazy liver.

After her third engagement a girl begins to appear anxious.

Isn't it about time to bury the dead languages?

# SHE GOT WHAT SHE WANTED

## This Woman Had to Insist Strongly, but it Paid

Chicago, Ill.—"I suffered from a female weakness and stomach trouble, and I went to a bottle of Lydia E. Pinkham's Vegetable Compound, but the clerk said that was to let me have it—he said it was no good and wanted me to try something else, but knowing all about it I insisted and finally got it, and I am so glad I did, for it has cured me."



"I know of so many cases where women have been cured by Lydia E. Pinkham's Vegetable Compound that I can say to every suffering woman if that medicine does not help her, there is nothing that will."—Mrs. JANEY, 2948 Arch St., Chicago, Ill.

This is the age of subordination, and women who want a cure should insist upon Lydia E. Pinkham's Vegetable Compound just as this woman did, and not accept something else on which the druggist can make a little more profit.

Women who are passing through this critical period or who are suffering from any of those distressing ills peculiar to their sex should not lose sight of the fact that for thirty years Lydia E. Pinkham's Vegetable Compound, which is made from roots and herbs, has been the standard remedy for female ills. In almost every community you will find women who have been restored to health by Lydia E. Pinkham's Vegetable Compound.

## RHEUMATISM

Why suffer pain when you can get quick and permanent relief by the use of RHEUMACOMPS

Has helped others; will help you. Descriptive circular free. Price 50c per box postpaid. The Rheumacomp Co., St. Louis, Mo.

## DAISY FLY KILLER

Kills all flies, mosquitoes, house flies, etc. It is a powerful disinfectant and kills all germs. It is a powerful disinfectant and kills all germs. It is a powerful disinfectant and kills all germs.

## USE ABSORBINE JR. LINIMENT FOR PAIN

Colic, Stomach Ailments, Cuts, Bruises, Sprains, Rheumatism, etc. It is a powerful disinfectant and kills all germs. It is a powerful disinfectant and kills all germs.

## PARKER'S HAIR BALM

Keeps the hair clean, soft, and healthy. It is a powerful disinfectant and kills all germs. It is a powerful disinfectant and kills all germs.

## WATERBURY'S RHEUMATISM REMEDY

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# Death Lurks in A Weak Heart

14 Years in Suffering of Weakness, use "RENOVINE." Made by Van Vleet-Mansfield Drug Co., Memphis, Tenn. Price \$1.00

## Vergleichende Uebersicht.

# Deutsche Sparkasse

Planters' House Gebäude, 4. und Pine

## Die älteste deutsche Bank in St. Louis und im Staate Missouri

Capital	1853	1896	1911
Authorized	\$ 400,000	\$2,869,360.58	\$ 3,070,399.88
Surplus	.....	67,016.51	60,633.00
St. Louis Real Estate	.....	809,700.00	2,198,000.00