Evening State Journal.

WEDNESDAY EVE'G, APRIL 12, 1871.

Lime as a Fertilizer—Culture and Management of Small Fruits.

Among the papers read before the Potomac Fruit Growers' Association meeting in March, was one by Prof. T. Taylor, chairman of the scientific committee, upon

LIME

with valuable and interesting experiments, practically of service to fruit growers, showing its combinations and application to agriculture.

He commenced by stating that pure lime was the oxide of calcium, a metal, and constituted what is known as caustic lime; by exposure to the atmosphere it becomes carbonate of lime, by the absorption of carbonic acid. When sulphuric acid comes in contact with it, it becomes sulphate of lime, or plaster of paris. Caustic lime is valuable when properly applied; it neutralizes all free acids, sweetening the soil; it decomposes all vegetable and animal matter, and may, therefore, be employed to advantage in preparing muck, crude, peaty, and other vegetable matter, such as roots and woody fibres for fertilizing purposes. Albumen of the juice of plants is rendered more fluid by the presence of very dilute caustic lime water: it may assist in the circulation, but an excess of caustic lime will coagulate albumen, and indeed a very good cement is formed by the combination of quick-lime in excess with albumen. This explains how the application of caustic lime in excess destroys young trees and plants when applied to the roots, or even when brought in contact with the tender bark. The albumen of the sap is rendered solid by contact in excess and which he proved at once by an experiment. Quick lime, when applied to manures, combines with organic and other acids, liberating ammonia, and renders the soluble phosphates insoluble, destroying to the fertilizer. On the other hand, the application of quick lime in moderate quantities to the flesh of animals may prove of great value, by causing gradual decomposition. A solution of common salt in contact with the lime will in this case prove valuable, as the latter will absorb the ammonia, but were sulphates added to the lime, its active decomposing power would be retarded. Caustic lime should never be added to fertilizers containing free ammonia, but to substances holding potential ammonia it may be added with advantage in limited quantities.

Bones.—Fresh bones contain oil or fat, and may be considered as a compound of carbon and water. They also contain nitrogenous compounds. A piece of bone no larger than a boy's marble has been known to remain in the soil for twenty years without contributing correspondingly, phosphates on ammonia by decomposition. The oily condition of fresh bones protects them from atmospheric and acid action; but by boiling bones the oil is removed, and when subjected to the action of dilute sulphuric acid, a portion of the lime combines with the acid and superphosphate of lime remains. By the action of atmospheric influences the nitrogenous portions is converted into ammonia.—When caustic lime comes in contact with carbonate of potash or soda in the soil, it converts these mild carbonates into caustic potasium and sodum, respectively, and these in turn become more active as solvents of vegetable and and animal matter, and become themselves plant food when highly diluted, and are therefore valuable as fertilizers.

The subject of

CULTURE AND MANAGEMENT OF SMALL FRUITS

having been introduced, the following remarks were made by Professor W. Saunders, of the Agricultural Department:

The principal points leading to the successful and most profitable culture of the strawberry are—

1st. Select a soil rather inclining to a clayey character, sandy soils not being well fitted for the best culture of this fruit. A properly prepared clayey loam will give the finest fruit. It may be deemed unnecessary to repeat that a deeply-worked, mellow, clean soil is essential to success. The best preparatory crop is potatoes, as this crop leaves the ground loose and comparatively clean.

2d. Plant as early in the spring as the soil and weather will permit, and be particular that the plants are pressed firmly in the soil, and also that no portion of the center bud or crown is discovered; this is a very frequent cause of failure.

3d. Allow the plants ample room for growth, the rows from thirty inches to three feet apart, the robust-growing sorts requiring the latter distance, half this space will be sufficient between the plants in the row.

4th. The summer culture consists in keeping clear of weeds, which includes all runners issuing from the plants; these, when not wanted for purposes of propagation, are to be considered as weeds and should be removed as fast as they appear. It is not possible that a plant can produce a number of runners and at the same time furnish an equal number of fruit buds, as compared with plants from which the runners are carefully removed. All cultivation so far as stirring the soil is concerned should cease by the first of October so that the surface roots made after that period may be preserved, and, unless weeds are very numerous, the soil should not be again disturbed until the crop of fruit is removed.

5th. The plants should be slightly protected during winter; a thin covering of clean straw is best. Towards spring this should be removed where it covers the foilage, drawn into the space between the plants where where it will serve as a and to keep the fruit clean. Even the most robust and hardy varieties will be benefitted by this winter protection. Littery manure will answer well, so far as protection goes, but weeds are generally abundantly introduced through this medium.

6th. Make a new plantation yearly, and plough down the old plants, at latest after the second crop.

It is not presumed that strawberries cannot be produced unless all of these rules are strictly enforced, but it is affirmed that the *best* results will be obtained by following them; and, further, that the value of the crop will be in an exact ratio to the attention or neglect of these points.

Objections to the system of removing the runners from the plants are frequently made, because it requires labor and adds to the expense. This is conceded, but every dollar spent in this labor is invested at fifty per cent. interest.

The currant is a fruit of easy production. The best sort for general culture is the true Red Dutch. There are many spurious varieties sold under this name, but the genuine plant produces large berries and large bunches. The main points in currant culture are—

1st. A deep, dry soil, kept rich with annual applications of manure; fine fruit, in this case, is only to be procured from rich soil. A yearly coating of manure is, therefore, indispensable if the best results are to be reached.

2d. After the second year from planting, or when the plants commence fruiting, the soil should never be disturbed, unless to remove weeds; deep culture should, above all things, be avoided; the roots of this plant spread and ramify near the surface; deep culture destroys them and injures the crop.

3d. In the yearly pruning necessary, aim to remove old stems and encourage new shoots from the roots; side shoots should be cut down to an inch in length. The fruit is produced on spurs, therefore severe *shortening-in*, as it is termed, ought to be avoided.

The gooseberry requires treatment exactly similar to that of the currant, with the exception that the best fruit is produced on wood of one season's growth, similar to that of the grape; therefore, in pruning the bush, this young wood should be preserved entire; any cutting of the points of the branches will tend to diminish the crop.

Raspberries are now being better understood. The foreign varieties, in this warm climate, with hot and frequently dry summers, have not been uniformly successful; they lose their foliage during the summer, and in consequence the growth does not become mature, and is then winter killed. All this is practically obviated by heavy mulching during the summer, covering the ground around the plants with leaves, swamp hay, or similar material, in order to preserve the moisture in the soil. With native varieties, such as the Black Cap and Philadelphia, no mulching is absolutely necessary, as they are perfectly hardy plants, but do not produce so fine flavored fruits as the more tender sorts.

THE famous girdle round the world, referred to by "Puck," will actually be completed next month. The line from London to Singapore has just been completed, and will be extended to Hong Kong within the next four weeks. As London is already in telegraphic communication with San Francisco, by way of New York, it follows that after communication shall be opened between London and Hong Kong, a resident in the latter place will be able to telegraph to San Francisco with about as much rapidity as though there were a line under the Pacific ocean. The constantly increasing trade between China and our western coast will make the use of the telegraph a necessity to Hong Kong and California merchants trading with one another.

THE South has always made the mistake of obtruding politics into social and business life; therefore it is quite impossible for a portion of its press to account for the spirit in which this paper and the people of Philadelphia and Pennsylvania received the Richmond (Va.) visitors, who a few days ago honored our city with their presence. We believe, however, that the sharers of our hospitality appreciated their welcome and the fraternal spirit in which it was extended.—*Philadelphia Press.*

ANOTHER GALE IN THE WEST.—A severe gale swept over Leavenworth, Kansas, Saturday, demolishing the Eagle Woolen Mill, unroofed the Methodist church and did other damage, but no lives were lost. At Weston, Missouri, and for some miles west and south in the country, great damage was done to buildings. One man was killed and a number of people were seriously injured.

RESISTANCE OF OFFICERS.—The coroner's jury in the case of Timothy Lynch, who was killed by an officer in East Boston while resisting arrest, gave a verdict of justifiable homicide, and added: "If mobs or collections of people assemble with mobocratic demonstrations, violence from officers must be considered in the light of self-defense."

BOOKS about "besieged Paris" may soon be expected. A large number are already announced as in press by the various publishers.

Robert E. Tredway, a Chicago merchant, fell down the hatchway of his warehouse on Saturday and was killed.

The insurrection in Brazil, in favor of slave emancipation and other republican ideas, is extending.

California lions are depredating among the Angora and Cashmere goats in that State.

The Cecil (Md.) Democrat reports all the crops in that county as presenting a fine appearance.

Rafting on the Susquehanna this year shows a large falling off since 1870.

MARSHAL'S NOTICES.

254—Revenue.

DISTRICT COURT OF THE UNITED States for the Eastern District of Va.

To all whom it may concern—GREETING:

Notice is hereby given, That, on the 3d day of April, 1871, nineteen hundred and fifty Cigars, claimed by Kidwell & Co., Norfolk, Virginia, were seized by the Marshal of the United States for said District as forfeited to the use of the United States, and the same is libeled and prosecuted in this Court in the name of the United States, for condemnation for the causes in the said libel set forth, and that said cause will stand for trial at the court-room in the city of Richmond, on the 20th day of April, 1871, when and where all persons are warned to appear to show cause why condemnation should not be decreed, and to intervene for their interests. DAVID B. PARKER,

U. S. Marshal.

Dated April 3d, 1871. ap 4—10t

MEDICAL.

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MENTALLY.

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YOUNG MEN

who have injured themselves by a certain practice indulged in when alone—a habit frequently learned from evil companions or at school, the effects of which are nightly felt, even when asleep, and, if not cured, renders marriage impossible, and destroys both mind and body—should apply immediately.

What a pity that a young man, the hope of his country, the pride of his parents, should be snatched from all prospects and enjoyments of life by the consequence of deviating from the path of nature and indulging in a certain secret habit. Such persons, MUST, before contemplating

MARRIAGE,

reflect that a sound mind and body are the most necessary requisites to promote connubial happiness; indeed, without these, the journey through life becomes a weary pilgrimage, the prospect hourly darkens to the view, the mind becomes shadowed with dispair and filled with the melancholy reflection that the happiness of another becomes blighted with our own.

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When the misguided and imprudent votary of pleasure finds he has imbibed the seeds of this painful disease, it too often happens that an ill-timed sense of shame or dread of discovery deters him from applying to those, who, from education and respectability, can alone befriend him. He falls into the hands of ignorant and designing pretenders, who, incapable of curing, rich his pecuniary substance, keep him trifling month after month, or as long as the smallest fee can be obtained, and with dispair leave him with ruined health to sigh over his galling disappointment; or, by the use of that deadly poison Mercury, hasten the constitutional symptoms of the terrible disease, such as Affection of the Head, Throat, Nose, Skin, etc., progressing with frightful rapidity till death puts a period to his dreadful suffering by sending him to that undiscovered country whose bourne no traveller returns.

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'Tis not a sweetened beverage,
'Tis not a sweetened beverage,
'Tis not a sweetened beverage,
But is an Iron and Vegetable Tonic,
But is an Iron and Vegetable Tonic,
But is an Iron and Vegetable Tonic,
But is an Iron and Vegetable Tonic,
Never known to fail,
Never known to fail,
Never known to fail,
Never known to fail,
For diseases of the womb.
For diseases of the womb.
For diseases of the womb.
For diseases of the womb.

A MOTHER'S COMFORT.

Be it positively understood that one tablespoonful of E. F. B. contains as much medical properties as one bottle of any of the common advertised bitters of the day, and we challenge investigation. Ours is made for sick people, others are made expressly to drink as a beverage. Ours makes positive and unmistakable cures, others cannot cure, because they contain no medicinal properties. We know it, they know it, you know it.

E. F. B. aids and assists digestion.
E. F. B. aids and assists digestion.
E. F. B. aids and assists digestion.
E. F. B. aids and assists digestion.
It acts freely on the Liver.
It acts freely on the Liver.
It acts freely on the Liver.
It acts freely on the Liver.
A powerful Tonic for all.
A powerful Tonic for all.
A powerful Tonic for all.
A powerful Tonic for all.
Cures Ladies' Special Diseases.
Cures Ladies' Special Diseases.
Cures Ladies' Special Diseases.
Cures Ladies' Special Diseases.

Be it also remembered that this Great Female Regulator is intended for all ages and conditions, where any derangement of the womb exists, especially in those that have taken cold and checked the monthly period, giving pain and suffering instead.—It at once arouses and removes all unnatural obstructions, giving strength, health and buoyancy to the whole system.

Some young ladies have bloodless lips and gums, and pale faces; have no appetite, are dull, careless, melancholy, indifferent to society, easily fatigued, with a palpitating heart, constipated bowels, torpid liver and feeble frame, constant headache, etc.

All these cases are cured by the use of English Female Bitters, and we offer $100 for any case which we cannot cure by their use, where no organic lesion exists. This medicine is put up in large Bottles and sold at $1.50, or six Bottles for $8. Sold by Druggists and Merchants everywhere.

J. P. DROMGOOLE & CO., Proprietors,

Memphis, Tenn.

BUCHU.

Ours is the best and cheapest.
Ours is the best and cheapest.
Ours is the best and cheapest.
Ours is the best and cheapest.
Large Bottles only $1.
Large Bottles only $1.
Large Bottles only $1.
Large Bottles only $1.
Cures all Urinary Deposits.
Cures all Urinary Deposits.
Cures all Urinary Deposits.
Cures all Urinary Deposits.
Relieves the Kidneys and Bladder.
Relieves the Kidneys and Bladder.
Relieves the Kidneys and Bladder.
Relieves the Kidneys and Bladder

This combination of Buchu, being composed of Buchu, Pipalssaway, Matico and Pereira Brava, physicians do not hesitate to recommend it for all affections of the Kidneys and Bladder, whether affecting old or young, male or female. It gives entire relief, after other preparations of the kind have been unsuccessfully used. Send and get one Bottle of Dromgoole & Co.'s Buchu. Price $1, or six Bottles for $5. Sold by Druggists and Merchants everywhere.

J. P. DROMGOOLE & CO., Sole Proprietors,

mh 1—d&w4m Memphis, Tenn.

MEDICAL.

"QUALITAS NON QUANTITAS."

DR. LAWRENCE'S

Highly Concentrated Fluid Extract of

KOSKOO,

THE GREAT HEALTH RESTORER.

NO QUACK MEDICINE—FORMULA AROUND THE BOTTLE.

PREPARED SOLELY BY

DR. J. J. LAWRENCE,

ORGANIC CHEMIST,

NORFOLK, VIRGINIA.

KOSKOO!

STRIKES AT THE ROOT OF DISEASE BY PURIFYING THE BLOOD, RESTORING THE LIVER AND KIDNEYS TO A HEALTHY ACTION, AND INVIGORATING THE NERVOUS SYSTEM.

This is the secret of its WONDERFUL SUCCESS in CURING

Scrofula, Syphilis, Dyspepsia,

LIVER COMPLAINT, CHRONIC RHEUMATISM NEURALGIA, NERVOUS AFFECTIONS, ERUPTIONS OF THE SKIN, HUMORS, LOSS OF VIGOR, DISEASES OF KIDNEYS AND BLADDER, AND ALL DISEASES CAUSED BY A

BAD STATE OF THE BLOOD,

OR A DISEASED CONDITION OF THE

LIVER, KIDNEYS, NERVOUS SYSTEM, &c

It thoroughly ERADICATES every kind of Humor and Bad Taint, and restores the entire system to a healthy condition.

THOUSANDS HAVE BEEN CHANGED BY THE USE OF THIS MEDICINE FROM WEAK, SICKLY SUFFERING CREATURES, TO STRONG, HEALTHY AND HAPPY MEN AND WOMEN.

No Medicine has attained such a GREAT REPUTATION as this justly CELEBRATED Compound,

Approved by the Highest Medical Authority.

KOSKOO

Endorsed and recommended by the President of the Faculty of the E. Medical College of the City of New York.

PROFESSOR R. S. NEWTON, M. D.,

Professor and President of the Faculty, late "Professor Theory and Practice" of Medicine, Cincinnati, &c.

One of the most eminent men of his age—well known as the author of the following standard medical works: NEWTON'S "PRACTICE OF MEDICINE," "DISEASES OF CHILDREN," "NEWTON'S SYMES SURGERY," &c., in December number of "American Medical Review—page 277, says:

"Among the more recent efforts to introduce popularly some of the new remedies, we notice a new preparation compounded by J. J. LAWRENCE, M. D., of Norfolk, Va., which is furnished to the profession and the public in any desired quantity. We recently examined his Laboratory, and became fully satisfied that all his work is done in the best manner, by the most approved process, and from the best materials, giving as a result a medicine meeting the confidence of the physicians and the public."

KOSKOO CURES SCROFULA IN ITS WORST FORMS.

From A. W. Mills, a prominent and well-known merchant of Norfolk, Va.

No. 11 Main Street, Norfolk, Va., Sept. 15, 1869.

DR. J. J. LAWRENCE—Dear Sir: Your Koskoo has worked wonders in my family. My daughter has been a sufferer from Scrofula since childhood. She lost thirty-one pieces of bone from her ankle, several from her arm, besides having ulcers in several parts of the body. Whilst in this condition she commenced taking your Koskoo—it acted like a charm on her; under its use the ulcers gradually healed, and her general health greatly improved. It certainly saved her much suffering, and perhaps her life. I regard Koskoo a specific for all scrofulous affections. Your Koskoo also cured my wife of dyspepsia, from which she suffered greatly. She is now in better health than she has been in five years.

With the highest regard,

I am gratefully yours, &c.,

A. W. MILLS.

Koskoo is endorsed by the best physicians everywhere. Read the following from Dr. Tillery, a successful practitioner of many years standing in the Old North State:

Rocky Mount, Edgecombe Co.,
September 10, 1869.

DR. J. J. LAWRENCE—Dear Sir: I have used your Concentrated Fluid Extract of Koskoo in my practice with the happiest results. I find it to be a powerful Liver Invigorator, Blood Purifier, and Nervous Tonic. In all diseases of the Liver, Scrofulous, Syphilitic, and Nervous Affections, it is a remedy of immense value; in fact, in almost every variety of Chronic Disease is use its indicated. Hoping you may meet with the success which you deserve as a manufacturer of reliable medicines, I am, sir, with much respect,

Your obedient servant,

R. C. TILLERY, M. D.

KOSKOO CURES CHRONIC RHEUMATISM.

Norfolk, Va., Sept. 7, 1869

DR. J. J. LAWRENCE—Dear Sir: My son has received so much benefit from your wonderful Koskoo that I cannot refrain from expressing my gratitude. I had tried almost everything without benefit. I believe, in all sincerity, that your Koskoo is an infallible remedy for the disease from which he has suffered, and, so far as I can learn, has never failed. If you only knew the immense amount of suffering he has undergone, then you could conceive the value of such a remedy as Koskoo—that surely cures. The great amount of good it is now doing among us is inestimable.

With much gratitude,

I am, respectfully yours, &c.,

Mrs. M. E. A. NELSON.

Read the following from Mr. Womble, a prominent Hardware Merchant of this city:

No. 13, Market Square, Norfolk, Va.,
October 13, 1869.

DR. LAWRENCE—Dear Sir: To the large number of testimonials which you offer to the great efficacy of your Koskoo, I take pleasure in adding my own. I suffered greatly with Nervous Debility, Headache, Loss of Appetite, &c. Two bottles of Koskoo restored me to health.

Yours truly,

J. G. WOMBLE.

From Rev. W. H. Christian, Pastor Dinwiddie Street Methodist Church.

Portsmouth, Va., October 25, 1869.

This is to certify that I know Dr. Lawrence well. He is a gentleman of cultivation, and worthy of the fullest confidence. I have used his Koskoo with advantage to myself, and have adopted its use in my family in cases of nervous debility and depression.

W. H. CHRISTIAN.

From Dr. Lloyd, a Physician of large practice.

Great Bridge, Va., October 8, 1869.

J. J. LAWRENCE, M. D.—Dear Sir: I cheerfully endorse your Koskoo as being a most valuable preparation.