# GAZETTE FARMERS'

# CHERAW ADVERTIZER. AND

# VOLUME V.

CHERAW, SOUTH-CAROLINA, FRIDAY, MAY 29, 840.

## NUMBER 29.

### M. MAGLBAN, EDITOR AND PROPRIETOR.

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ications.

REMARKS ON THE RINGING OF FRUIT TREES.

Ringing a tree cuts off the part operated upon from the circulation of the sap, and necessitates it to subsist principally on the nourishment which the leaves derive from the air. We will not say in what respects this nourishment differs from that which the tree derives from its roots ; but we will remark that nature provides abundance of leaves for these buds which she intends to produce flowers.

Peach and apricot trees will not bear fruit on the young wood ; and the vine still ing. less, because it bears on the growing shoot Ringing does not advance the fruct fication of either plum trees or young cherry trees ; and it is apt to produce the gum in old trees of the latter species, as the wound is a long time before it heals. Apple trees shrivel above the ring ; and, if they live, they do and retard the healing of the wound. not soon bear any fruit. The pear tree thus remains the only species of fruit tree on which the operation of ringing can be practised with advantage.

Ringing may be performed at any season, but it only produces its full effect when undertaken in the spring, at the first appear. ance of the movement of the sap, and as soon as the bark begins to crack. The ness of the blade of a knife, if it is desired times does injury instead of good, and when must his sheep be yeaned and sheared-his

Another mode of bringing fruit trees coming careless alike of his family and his several years, and know of no plan which in comparatively small proportions in the the practice of forbearing and self-denying into bearing is, to take a ring of bark from own dignity. In the country it is not easy will cook food with equal rapidity and some of the principal roots, at a little dis to find such relief or indulgence for ignor- cheapness. Our steamer holds 15 bushels, tance from the trunk. The ring ought to ance and sensuality. Many there are it and the fuel required is but a trifle.

be more or less broad, according to the must be admitted, and most successful farthekness of the root. The operation may mers too., whose opportunities have, unfor. be performed at any season, in April or tunately, not been such as to admit of intel-May, as well as in August or September, lectual cultivation. Useni d the blessing of without there being any reason to fear the education, they enjoy not the pleasures, neither do they possess the tastes that education extravastation of sap, which is so prejudionly can generate; but if such men become cial to the tree when the roots are prunned conspicuous by force of method and indus. in the spring. A year, however, is gained try. what may we not suppose they would when the operation is performed early in achieve for themselves and the community, the senson. There is no occas on to apply if to these exemplary qualities and habits, any dressing or covering to the wound : in they united the rudiments of various knowlfact, there is no occasion to do any thing more than to draw the earth round the tree edge, and the principles of the sciences applicable to their business, with the power of analysis and investigation which they imand to tread it down firguly with the feet. If the roots are not ringed all round the tree, part? Suppose you could combine in the the opposite side to that on which the incissame person, the natural energy, sagacity ion has been made will bear fruit ; which and experience of a Crawford or a Tucker, coincides with the effect produced by ringwith the scientific attainments of Sir Hum. ing on the branches, and denotes a physiophrey Davy? You would then have men logical fact which has not been hithorto noto go ahead in the salutary and honorable ticed. The wound heals so rapidly, that in race of agricultural competition, as old about a year no traces of it can be discove. ered, except a few wrinkles in the bark. No Billy Johnson does on the turf-with Arexcrescence is formed, and no other roots thur Taylar at his heels !

are sent out, either from the lips of the wound, or above or below it ; at least, none that can be supposed to have been occasioned by the incision. The root operated upon appears, indeed, less likely to send out suckers than any of its neighbors. The fruit does not, in the slightest degree, par.

ticipate in the state of disease or suffering ringing, because they always produce their in the tree, which has thrown it into bear-

of powders and elixirs-to have his horse in The wood of the shoot below the incision bursts almost always from the bark, or the lips of the wound : this wood is of the kind ealled false : and the buds of it ought to be rubbed off as soon as they appear; as preten-hour system, all is plain sailing-The serving this wood can only injure the bark, compass and the other on the heavens.

The principal object of ringing ought to be, not to throw known varieties prematurely into fruit, or to make trees, bear on sail, and fearing no surprise-while the which other resources may be resorted to farmer has to be constantly and anxiously

in order to produce the same effect(such as looking ahead to see that his work does not shortening the largest roots, pruning the tree after the sap has risen, &c.) ; but to force young seedling plants to show early the bad or good quality of their fruit. it mus', well as his hogs-his bulls-his lambs and wound ought not to be wider than the thick. however, be used cautiously, as it some- his pigs must all be cut at the right time, as

MR. SILLIMAN'S SPEECH, Delivered at the First Agricultural Meeting,

held in Boston, Jan. 13, 1840. After Mr. Webster closed, Mr. Silliman egan by remarking that he was taken wholby surprise, nothing having been farther from his thoughts than to say any thing on his occasion. Indeed after the remarks from the bonorable gentleman who had just poken, to which he had, in common with thers, the pleasure of listening, there was little that need be said by any one. On an occasion so gratifying as the present, and offering objects of inquiry and discus. sion so highly important and interesting, he could not, how ever withhold the expression of his own personal interest in the case and what little aid might be derived from his concurrence.

In the statement relating to British hus bandry, made by the honorable gen leman who preceded him and in the impressions which that gentleman had gathered from his observation of rural and agricultural life in England, he express d his entire assent and sympathy. In a visit many years since made by himself to England, he derived from similar though far less perfect opportunities of observation, groat pleasure; and he left the country more than thirty years ago, with a strong admiration for the extraordinary improvements and advances made in this great art, in that active popul. ous and intelligent community.

The British nation had long since arrived at the conviction, which experience and further inquiry had served only to confirm and strengthe i, that science in all its influences might, lend a most substantial aid to agriculture. They therefore have largely availed themselves of its aid in the chemical examination of soils and manures, with a view to ascertaia their uses and correctives.

The popular impressions formerly enter. tained, that lit le was to be gained in agriculture by the application of science, are in a measure removed. Notning could have less foundation in reason or fact. The advantages of the judicious application of knowledge to art, are every where obvious. All the arts of life have their foundation in

form of carbonic acid gas in the air, is yet derived from innumerable sources and sup- ed to be Paradise i self ; but at all times in plied to the growing vegetables in abund. ance. The effect of light upon the green in this 19th century,) it has been, and is

ic acid and the carbon is absorbed to nourish the plant and the oxygen is envolved into the air ; thus it separates from the at. al benevolence and future good have been mosphere an important element of nutrition, too often sacrificed to present profit, supplying it in the form of food for the

plauts. Mr. Silliman further alluded to the curious fact in the constitution of nature, that notwiths anding the superior density or spe- Quixotishly disinterested and patriotic, so cific gravity of carbonic acid gas, it being to improve the homes of our farthers and much greater than that of the clements of selves, that they may be the same to our which the atmosphere is composed, it is children ; or to advocate such a system of an important degree to the support of plants my view, that children rarely reside where and of trees. If the air and water afford their fathers did before them-and that h the most important elements of plants, it seeking the more fertile regions of the

soil ? - I's first use is to furnish a point of family estates to indifferent strangers. But support in which the plant can fix itself; I maintain that the improvident management but a doubtless contains many things which of their plantations by fathers, is one-the water serves to dissolve, and hold in solu- chief reason why their children doemigrate, tion, that they may be taken up by the and samifice all those comforts and refineplonts. He expressed his belief that in most of the soils in New England and in Massa chusetts, the principal element wanting is of a new country, and a heterogenous colme. This abounds in the western district | lection - not a society, of men drafted from of New York, and renders those lands, as n Gennesce for example, on the magnificent farm of Mr. Wadsworth, extraordinarily productive in wheat.

The addition of lime to our own soils, he considered of great importance. Our seashores abound in shells, whose base is lime, and which are capable, by being burnt, of being converted into the best of lime. New frae morning sun till dine ;" with all the ap-Haven, the town of his own residence, pliances of gentuel comfort, and incentives abounds in oysters, both natives and those that in great numbers are colonized there the rule wilderness, to contend with and befrom Virginia. The shells are burnt for come assimilated to mere adventurers of manure and applied to the land. The soil fortune ? Better that he remain in the one of New Haven and its vicinity is derived condition, with competence and a well pre. from a species of red sandstone ; but this served plantation, than subject himself to was composed of the elements of granite, the other, with the additional amount of quartz, mica and feldspar, the rains of grantic and other primary rocks.

An interest in agriculture is now awake. ned in Connecticut, which promises the most it to simulate the pecuniary appetite which valuable results ; and improvement in culti, it ought to appease ! To destroy the convation are rapidly advancing, He agreed tentment which it ought not to perfect ? in the estimation of the Commissioner, of To lead one from the refinement and civililudian corn. One hundred bushels had been repeatedly produced in New Haven upon an of life, which it ought to create and foster ? acre. A cattle show and agricultural and horticultural fair have been holden in New Haven annually for several years-the last autumn in particular, with a spirit which e- tal and moral perfection, and bodily comvinced the lively interest taken in the subect ; and he had the pleasure on that occa. sion of seeing one hundred yoke of very fine oxen from East Haven, attached to a plough, aud the plougn holden by a venerable man f ninety-six years of age, who laid a furrow along the public square. In his own opinion, there was no occasion, in an agricultural point of view, to despair of Massachusetts or any part of New England. There were no evils or disadvantag. es connecte I with the climate or soil, which could not be met and overcome. It was a great and lamentable error that so many of our young men deserted the pursuits of -agricultural to crowd into the trades of cities. He reverted again to the value and importance of chemical knowledge to agriculture. The analysis of manures was a subect of great and indispensable importance. The knowledge obtained from geological and agricultural surveys and chemical investigations, could not be too highly estimated ; and the State could expend no money to more advantage than in procuring them. This patronage should not be withdrawn or withheld ; and the withholding of it could a. rise only from a want of a just appreciation of the value of these branches of as He alluded with much respect to the skill in the sci mented Judge Buel, w ence and application of manures was a just subject of eulogy, and whose success in converting a portion of the barren and unpromising soil in the vicinity of Albany into fer. ile and unproduct ve fields, was well known and honored. He pressed the importance of a Board of Agriculture, and congratulated Massachuset s upon the spirit and liberality with which she had regarded the improvement of her husbandry. The subject could not receive too much of her concern. It stood second to no interest but those of a moral and religious character, and indeed it might be said to be nearly allied to them also, since hab its of rural industry are the most favorable to good morals. The value of science, in this case, could not be too highly es imated. Here science might be regarded as the eye, and practical skill the hand, by which this great art was to be carried forward to per-

charities, although their reward is represent. the history of the world, (and not the less so leaves of plants is to decompose the carbon. lamentably the fact, that all means for the advancement of pecuniary interest have been employed to excess ; and that gener-

We of the present day are not only utill. tarians in the extreme sense of the term, but all our operations are required to give immediate results-it being regarded too nay be asked, what then is the use of the West, they leave the expensively improved ments he appurtenances and effect of a stationary society, for the semi-civilization various sections of the country, and grades of rank.

Who would not prefer that his son should reside where his uncestors had resided -- nmongst the friends of his father and grand. father-become kindred by long friendship --- and the companions of his school days, with whom he had of " paid't i'the burn, to refinement, than to have him plunge into wealth-which was at once the cause and effect of the ruin of his nativity.

What is the true value of property ? Is zation -- from the courtesies and charities If we were destitute and rude, we perhaps would covet wealth for the purpose of securing to ourselves and children the very men. forts, which many who are possessed of that wealth, consider it expedient to barter for the indefinite and useless enhancement of that wealth. Sam Slick say, " zealous and undivided attentien, bestowed upon one pursuit, will in ninety nine times in a hundred, ensure success." And I say that faithful and economio-I husbandry will bestow upon its author a fair competence, and retain his patri. monial estate unimpaired for his children, upon almost any soil comprised within the limits of our State. And by long divelling upon any spot, a people may become attached to it above all fairy pictured lands, and really enjoy a happiness in their long cultivated social intercourse, worth far more than all that debt, speculation, and Bowie-knives, can impart. Is there in the whole world a scene more dull-monotonous--uninteresting--than the flat and piney regions of the southern seaboard ? I have read of the trackless deserts of the castorn world. I have heard of the rolling, sealike praises of our own extensive West-and I have travelled over many a weary mile of varied county, from Mount Washington-bleak New Hampshire's pride, to the flowery savannahs of voluptuous Carol na and Georgia-and yet, I confess I have never conceived a scene which I thought so little exciting and striking .--I speak not is fertility, for it lacks not that, so much as beauty of landscape to arrest the eye and a'tach ine hear'. On the other hand I have read of Sparta's martyr bands; of Roman pride and love of country; of the hardy dauntless Swiss, whose love of their storile rogged home is a bye word, and and a theme in. spiring to the great Scott himself ; of Puland, who, for the natriotism and valor of her sons, has become a military watchword on the eve of battlo ; but I have never known a land more loved-more valued -than a spot in that regoin that I was of, by those who claim it as their present home their father's birth-place. And why is this? Born to competence which their ancestors, by undivided, single.minded industry, had obtained from the moderate soil-inheriting as a part of their patrimony, feelings of locality and aristocracy, and restrained by the dalliance of ease and luxury, from exploding other sections of the country, and therefore permisting the characteristics of their social and hospitable Huguenot race, they sank voluptuously into a state of contentment. While they heard with feelings of surprise and admiration of the teeming fertility of other sections of our wide domain, not a spark of jealou y mingled there with, nor was there the least disposition to exchange for such generous soils, their own swampy or pine-ridge es-

that it should heal before the end of the sea. The operation ought to be performed son. on a side branch which is rather stronger and more elevated than its neighbors ; or backward in bearing. one which is badly placed, and which, in the round the trunk or round the leading shoot, unless there should by chance be a second leader, and one may be removed without injury.

The tree which has had its trunk operated upon is in danger of either perishing, or remaining a long time in a sickly state; and, after it has recovered its health, its sterility will be more durable than if it had never undergone the operation.

If a branch is ringed too close to its bas", or the point where it is inserted into the trunk, it will be in danger of being beaten down by the wind, or broken by the weight of fruit. A good place is at a quarter of the length of the bough, and beyond other side shoots, the eyes of which will also gen. erally produce fruit.

The upper lip of the wound swells considerably, and the more so according as the ring has been brond, or the season far advanced. This tumefaction of the bark is of the truth : but a farmer who takes a partsken of by the wood ; and the formation pride in his occupation, and regards it, as of this tumor proves that it is principally by every one should, as an intellectual pursuit, the descent of the sap, which has been elaborated in the leaves, that the tree increases in girt. It rarely happens that a peur tree, operated upon when it has attained the age for bearing, does not go into flower the same year that the operation is performed. There are, however cases in which the repugnance of a tree to flower resists the efficacy of this and whenever the wood is hard and rough; and, when a last trees of this description do show flowers, it is upon another branch ra ther than on that which has been operated the custom of the neighborhood is, to plough upon

to form its flowers prematurely, is of the less degree, covered with some sort of same description as a similar eye springing from the young wood : the flowers, in both cases, are very hable to drop off; and the and its soil to be washed into the valleys by fruit, when it becomes ripe, is deficient in melting snows and rains, especially as in color.

it comes to any thing, owes its strength to and keeping it warm; by stacking hay on it the state of suffering of the bough which or otherwise ! This single inquiry will lead bore it; is unequal in bulk, very often small, to multifatious investigations and much worm-eaten, dry, cracked, gritty, and of an reading ; and so as to the best form of cattle excessive sweetness, which it obtains at the and other domestic animals, and the best expense of its juice. The fruit should be menner and principles of breeding, rearing reduced, by thinning, to a very small num. perfection.

The new property which I have discovered to belong to ringing is that it causes the eves of branches which have not undergone upon, or a little above those branches. There research. No situation in life where fond. ches produce fruit, but by throwing those the long nights of winter, and the rainy days holes, with cleats nailed on it to lie on the terms of the constituent parts of water, hy-

Ringing never produces a marked effect end, may be removed without disfiguring on the f-rtility of a branch more than once; that tree. A tree will not bear ringing either if repeated he following year, it more frequenily produces sterility, than a continuation of bearing.

The mode in which ringing affects a tree is precisely similar to the effect produced

by many other modes of suff-ring which are employed to throw trees into bearing : such us bending the tree, breaking or twisting the branches, transplanting, &c., and it should only be employed with one branch at a time; it cannot be applied to several branches at once, without disfiguring, and probably

ruining the tree. Gardener's Magazine.

RAINY DAYS ON A FARM. Many pople look upon the business of farming, as a very simple affair, adapted to the meanest capacity, and not requiring much either of reflection or forecast; and in the way it is often conducted, it must be admitted, such a supposition is not very wide makes it of a very d fferent business.

On every branch of it he makes inquiry and bestows thought-Not an operation is performed that he does not ask himself the question, why is this done at this timeand in this manner? Not an implement is used in the operation that he does not examine the materials and structures, to see method ; these occur with all drooping trees, if it not be practicable to attain greater in the one or the other.

Suppose his manager to suggest, or that for corn in autumn, he will naturally ask, The eye which is constrained by ringing why is this land, which is now, in a more or grass or herbage, to be broken up and exposed, to have its body alternately thawed other cases it is admitted, that few things

The fruit of a branch operated upon, if improve poor land sooner than covering

and fattenning them; with questions innuber if it is wished that they should attain merable, that require him to make a comparison of opinions and practices-of breeds, of climates, of means, of markets

Sec. So that instead of farming being au unintellectual pursuit, there is not one the operation, to flower also ; and that these perhaps in the scope of human employments are almost always immediately opposite to that opens a wid r field for diversified the branches which have been operated reading, careful comparison and scientific an arch of brick or stone work allowing grains. is not a single case known where this effect | ness of books, and a habit of mental exerhas not been produced, though till no one cise, conduce more to intellectual enjoyhas remarked this excellent property, which ment, as well as to practical success - Withis itself sufficient to prove the advantage, out these resources, by which alone, we and perpetuate the practice, of ringing ; bo. | were going, impiously to say, man is cleva. cause it not only makes the wounded bran- ted above the brute, how is he to dispose of a board, and perforated with numerous this intelligent assembly, speak in technical

applied to the side branch of an espalier, it hogs littered, and put up and killed -- All produced no other effect than that of ren- should be so contrived, systematically, and dering wood sterile which was before only for reasons to come about at the right time, neither too soon nor too late. But we are again straying from the point in hand .--This general and constant care and necessity for before hand cultivation, will be admitted by all, and as a general rule it would perhaps be well for the young farmer, in-

It is his duty to think before hand and

provide work suitable for all hands for

rainy days, so that every mother's son and

daughter too shall escape the curse which is

denounced against those who weat the

bread of idleness." Instead of having no

occasion for forethought, in what business

or profession is there so much? The doc.

tor has but to keep on hand a good supply

the stable, his calomet ready, and his lancet

bright-and for the rest, to put his trust in )

Providence for a sickly season-With the

mechanic and his "Trades' Union" and is

mariner has but to keep one eye on his

standing ready to shorten or make

drive time, instead of driving his work-

His wheat must be sowed-his corn planted

-his grain harvested-and his tobacco, as

stead of consulting the almanac and the moon for the time of doing this and that, to lay it down as a governerning principle to do every thing a little sooner than his neighbors. In that case he will have the pleasure of pushing his work before him. as a good housewife has her negroes clothes spun and wove, and their stockings knit; and her candles dipped, and her lard ren. dered before Curistmas. But what we meant, in the beginning, was to deprecate that short-sighted management under which the force on the farm, is often caught without appropriate and profitable employment a soil. for a rainy day. The farmer or manager who is thus caught napping, deserves to be punished as the New England puritan was wont to be, under the blue laws, for spitting in church-he should "be made to stand for an hour with his tongue in split stick." It

should be his care, let the day of rain come when it may, to have in-doors work prepared, such as is adapted to the age and

capacity of every worker on the farm. For some he may have corn 'o shell-for others wool to be carded and spun-for otherstobacco to strip, or stakes to sharpen, in an outhouse or shed out of the weather, or a stable or poul ry-house, (which by-the bye every farmer ought to have,) to be sawed, or flax to be broke or swingled, or grain to economy, strength, durability or efficiency, | be thrashed, or seed to be rubbed or bearen out, or meat to be hung up-hoes and axes to be helved and ground, yokes and bows to be made and mended, white-washing m doors of all the negro houses and stables, with various other things, which require that the materials, &c., be prepared and in place, ready for use without loss of an hour; for time is money, and as poor Richard saith, he who is always calling "time enough," always has little enough." The good housewife can suggest something in her department, rather than let any body be idle. Thus, without recourse to ill-humor, to cards, the dice box or the bottle, to keep off the blue devils, the most busy and he most profitable days, may be the rainy days on a farm.

### American Farmer.

### From the Cultivator.

### OHEAP STEAMER FOR RO TS.

The best and cheapest apparatus for steaming roots, &c. we have yet seen, is made, by putting to a box of the required dimensions for cooking or steaming, a bottom of sheet iron, and setting this box on ar found highly productive in grass and about four inches of each side of the box to rest on the brickwork. Let the box be made of mch and a half or two inch plank ; and water or its elements, and constitutes a the sheet iron with a double row of holes a large portion of their food. The compofor nails, secured to the bottom of this, will position of water is now well understood, be water tight, and a false bottom made of and we may with safety, in the presence of

knowledge; and all the improvements of me. chanism from a wheelbarrow to a chronometer, are due to science and mechanical philosophy I will be found true in relation to every thing connected with human improvement and comfort, even in the com. monest department of life, the more knowl. edge the better.

Inquires into the nature of soils, are of great importance; and in respect to many soils now either wholly unproductive or uncongenial to certain crops, science may enable us to apply the necessary alternatives or correctives. Although we cannot fabricate in a laboratory the soils of a country. we can discover their composition and ascertain their deficiencies ; the deficient int gredient may be supplied, and although it should be in small quantities, it may be done in a form that may be generally practicable. and may essentially change the character of

The honorable gentleman has, without doubt truly assigned the causes of the mildness of the climate of western Europe, and especially of Great Britain ; and he has indicated with equal clearness and truth the causes of the comparative coldness of the Eastern countries of North America. In this connexion it may be remarked that the western countries of this continent enjoy a climate far milder than the eastern.

The climate of these western countries is fected by their position in relation to the vast Pacific ocean, which produces an effect similar to that of the Atlantic ocean upon Europe, but in a far greater degree. Thus the climate corresponds to a considerable degree with that of the western shores of Europe. Its mildness is such that the plough may be driven nearly or quite through the whole year. Its temperature is, perhaps, considerably affected by its geological formation, and by the extensive range of volcanoes, which stretch along its shores, and some of which are still breathing forth their internal heat. Here every thing is on a vast scale; and the agricultural products will at no distant day, become abundant and highly important. We cannot indeed alter the climate of a country ; but we may in some measure accommoda e our husbandry to its peculia ities and varia jons.

The larger portion of the soils of New England as stated by the honorable gentle.

wise in many parts of New England and of Massachusetts, and being retentive of water,

A considerable part of the futriment of plants is undoubtedly derived from the air

### From the Carolina Planter. To the Editor of the Carolina Planter : SIR :---

fection.

While I acknowledge the true and proper mention of an agricultural Journal to be the excitement of zeal in busbandry, and the diffusion of knowledge on the subject, by the publication of individual experience, and the suggestions of science, I think, nevertheless, that great good may be done by one who aims to restrain the first sought effect, or at all events to divert its pursuit tates. into a prudent and humane channel.

the over success of philanthropis's, who soil, could not make up of that wealth of

What frugality, industry, the thorough No appreliension need be entertained of cultivation, manuring, and resting of their

man, is undoubtedly derived from granite and other primary rocks ; and many of the red sandstone soils, such as those in the neighborhood of New Haven, are in fact com posed of the principles found in granite rocks. Argillaceous soils, or those which are derived chiefly from the decomposition of argillaceous or clay slate, abound like.

