## THE BRITISH AMERICAN CULTIVATOR.

These substances which are capable of un t. liquid, and transplant, in the evening, watering Book farming and new notions were his utter of in this manner, are said to have an affinity for by when done. Book farming and new notions were his utter ing in this manner, are said to have an affinity fre by when done.

le found but in few sols; its place is well sup-plied by lime; its enure absence, therefore, is not considered any defect.

[To be continued.]

# GARDENINO.

### (By John Morris.)

Tax first things to be taken into consideration, to ensure a good degree of success, is the proper construction and management of the seed beds; a failure in the first effort to obtain a erop, is almost always attended with a parial failure at least, of the second or third. A seed bed should, in the first place, be lacated in a door, yard pathway, or some place where the ground is trodden, and frequented during the growth of the plants. The bed should be made in shape, not to exceed two feet in witth, and as long as maybe required, also be raised six or eight is the mode practiced by the late Mr. II "rbemoni, inches by perpendicular board edging. Previl of South Carolina. " lake away the earth inches by perpendicular board edging. Previous South caround the vine to the depth of four or five out to putting in the earth, let it be thrown in a around the vine to the depth of four or five in a south of about the south south of the south of about two or three inches pile, and a fire made thereon, sufficiently hot to to destroy all insects, or germs of weeds that may be in it: place the earth so prepared in the frame of the seed bed, and as soon as it is sufficiently cooled, sow in the seed, patting firmly with the back of the side. For cleay, and such tender plants, a covering of brush to partially protect them from the heat of the sun. may be necessary. One of the first vogetables of importance in the list of culmaries, 13-

Cabbages .- When the plants have attained to a sze for transplanting, the ground should be prepared by thorough plowing, and laid out in furrows three feet apart; on the side of these forrows set the plants, after punching of the downward root; two leet apart in the rows As cabbages are inclined to bind the soil, to their own detriment, they must be freely culti valed with the plaw, until they have a stand d almost their full size. No sprout should be left to grow on a seed cabbage but that which shoots from the centre of the head.

Onions.-In the cultivation of onions, a spot of ground should be selected that can be used for the purpose several years in succession. After laying out the ground in drills 16 inches for apart, sowing and covering the seed, sprinkle over leeched ashes freely, roll or pat the ground firmly ; leave no lumps or litter on the bed for destructive insects.

Tomatoes-are becoming so generally used on our tables, that a few remarks on the culture may not be out of place. The seed may be

Latture.-The lettuce bed should be well manured with hen dung. If transplanted 16 inches spart, in x bed well prepared, they will afford a much better salad then it left to grow

Sand and clay are by far the most abundant : 1.83 the size and theor. Fileen rols is my fime is required but in small proportions; every jude of distance between plants of the same soil, however, is defective without it. Magnesia species.

Prevention of Mildew on Peach Trees. We find the following remedy for mildew on Peach and Nectarine trees, recommended by the sagacious Loubon :-

"Take sulphur and rain or river water, pro-portions of two ounces of sulphur to every four be required into a copper or boiler, and let it (after it commences boiling) boil for half an hour; after which it may be taken out, or suffered to remain until it becomes of a tepid state, when it ought to be applied to the trees by means of a garden engine or svringe, as in a com-nion washing with water. The time for applying it is annually, as soon as the fruit is set and considered out of danger."

Grafting Grape Vines .- The following below the surface of the ground. Split it with a knife or chisel, and having tapered the lower end of the seion in the shape of a wedge, insert it in the cleft stock, so as to make the bark of with the vine ;) us it with any kind of string But as I said done."

To Kill the Peach Tree Borer .- Mr. James Cannek, of Athens, Georgiana, in a letter published in the Magazine of Horticulture, recommends fish brine, diluted with an equal quantity of water, and a pint to be turned round each tree in the spring or fall. The trees on which he used this liquid were 21 to 3 inches in diameter. To smaller trees he thinks less brine should be applied.

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# EFFECTS OF AGRICULTURAL

ing in this manner, are said to have an affinity, 're by when done. for each other, as o I and potesh, but oil will. In making seed, the following has been the not unite with water, and therefore those sub tresult of my observation :=-Cucuathers will are said to have no there a chemical union, idestroy the flavor of molone, pumplians of isquashes, squashes of the nolons, rationgas 56. The Primitire Earlis—are four, viz: clay. These are the only earths which enter into the produce a better virtey, but two thards will emposition of sol; they enter also in very bo good for notiong. Diff mat var ences of the minute peritons into the organizations of phons. Sand and clay are by for the most abundant: has the size and thaves. Such as a clay are by for the most abundant: has the size and thaves. Such as a clay are by for the most abundant: thesite and thaves. Such as a clay are by for the most abundant: the vice and thaves. Such as a clay are by for the most abundant: the size and thaves. Such as a clay are by for the most abundant: the vice and thaves. Such and clay are by for the most abundant: the vice and thaves. Such as a clay are by for the most abundant: the vice and thaves. Such as a clay are by for the most abundant: the vice and thaves. Such as a clay are by for the most abundant: the vice and thaves. Such as a clay are by for the most abundant: the vice and thaves. Such as a clay are by for the most abundant: the vice and thaves. Such as a clay are by for the most abundant is the size and thaves are such as a clay are by for the most abundant is the vice and thaves. Such as a clay are by for the most abundant is the vice and thaves. Such as the such as a clay are by for the most abundant is the size and thaves are abundant is the size and thaves are accurated by the should, but for her part, the believed willing they should, but for his part, he believed he could farm about as well as those that printed new-papers and raised spotted hoge to sell.

His farm was " suitably divided into mowing pasturing, allage, and wood land, "-what was in pasture when he bought the farm remained in posture still, and what was " mowing a that time, the plowshare had never disturbed, and what was plowland then remained still the same, gallons of water. Put the quantity which may His manure always laid at the barn till fall, be required into a copper or boiler, and let it because it was so much better for corn after it was needy rotted, and his bainyard was es situated that the water would run from it in all directions-of course it was always nice and dry. When he happened to have a little manure left after planting, he had been known to put a little sprinkling on some spot in Lis meadow, where he thought dassies and June grass were likely to run out-but as long as the densies flourished well he was not plarmed, for he said the farmers down in Connecticut, thought they made about the best hay of any thing. In hocing he was not over anxious about the weeds, for he said they kept the ground light and moist, and that where the quack grass was thickest, he always had the best corn. But as Uncle Tim was not deeply read in natural philosophy, it did not occur to hun that the corn and kuack both would grow most luxeriantly on the richest

But as I said before, Uncle Tim never grew merely to keep the scion in its place, so as to very rich-for, although he saved every thing, leave only one bud of the graft above the ground, the fact was he had not much to sare. His and the other fust below the surface, and it is jeattle and his fields being lightly led, fed him lightly in return. It seemed to him that all be gave his cattle beyond what was barely sufficient to keep skin and bone together, was about the same as thrown away, and every hundred of hay he could save to sell in spring, was so much clear gain And as for laying out any expense to meria-e his quantity of manure, it was a thing he never dreamed of. But as I said before, starying his cattle and his crops proved to be a bad business, for there seemed to be a fair prosnect that it would end in starving himself. He could perceive that the products of his farm gradually diminished from year to year, at ll he never seemed to suspect that the cause was to be attributed to bad management,

There were, however, good things about DAPERS ILLUSTRATED: Or, The Story of Uncle Tim and his Son. Mr. Timothy Treadmill, was about the the men. There was one thing about which he ightest man that ever came from "down cast", eveneed quite a commendable degree of liberal-but although penurious in the last degree ity He had a son growing 'p to masheed, he never became very rich. Ho was a firm and his better feelings induced him to go for far Tomatoes—are becoming so generally used on jour although produces in the met degree by the bar a consequence of the culture is the produce of the processors of the processors is and practiced if and the bis better feelings induced him to go so far so proceedings in the spring, in a sheltered situation; if the plants appear too is the plants in the part and the source of the plants in the part and the plants in the part and the plants in the part and the plant is the plants in the part and the source of the plants in the part and the plant term in the more the plant term in a bill.

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Method the durg is the prepared, they will be approximate the day he let this father's roof, as he plant term and the if let the grow the second the start approximation in the way is forty yeas afterwards. inches spart, in a bed well prepared, they will was forty yeas afterwards. afford a much better salad then if left to grow is a cluster in a seed bed, as is too generally the is a cluster in a seed bed, as is too generally the asse. Transplanting from seed beds.—if the weather sheald prove so dry as to endanger the plans is stratum could make hum believe. The is and removed and allogether irressible. which you may want to put out, it may be done in his mind, as that the bees should set about would oppose any innovations, he began which you was plants, dry the roots in the their cells, or the birds in building their nests. The done plants we plants, dry the roots is the their cells, or the birds in building their nests. The done plant reflection on the subject, by pro-