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By M. MACLEAN.

bree months, of twenty per cent per annum. Two new subscribers may take the paper a

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AGEROULTUAAL.

From the Crescent City. AGRICULTURE LIFE.

In antique times the labors of husbandaround, the romance of poetry and the men back to the only healthy state : em. their logic-so sweet their productions. that many a man who took the plough in a spirit of great trust, came back deadened atmosphere of city life. If you look hisfondly upon the charms of the countryand the greater portion of their readers, For every wagon load of the muck one and nearly all their fame, have lived and barrel of fish was added, and the fish were the sides. A chill does not injure them; been originated in cities. By "charms of the country," we do allowed to become putrescent. The mothe steam of the furrow ; but their readers so understood them, and an injurious reaction was the consequence. No poet who dreams in his verses of rock and shad. ed dell-of moonlight and lapsing waters, country, but when he comes to associate the lowing of herds-the creak of the the joys of the harvest; he invests the scene with a romance which the labor at. tendant does not justify. It is too common in our own times, to direct the attenthe country, by these beautiful, yet one. sided views; and the same re-action is sed of the plat and animal matter would the consequence, which we noted above. plough hoy,' but not when you whistle at manure - Report, p 1707 the plough yourself-pleasant it is to hear the lowing of cattle, when you are not liable to fodder them the coming winter. in snow three feet deep. . The songs of sit under an apple tree-not amenable to have only to kiss the girls at husking-time, cola. Letter 25 p. 235.* instead of knowing that after a year's hart work in all weathers, you have just | with great advantage, sufficient lime be. "made both ends meet,' and a " mighty ing added to deprive it of odor; large little" over. Still we recommend a country life--not because it is poetic, but because it is productive of healthy feeling, and brings lau. that every reflecting and moral man can ing of peat as manure .-- Leibig. easily consider for himself-by a tone of heart more satisfactory -- by years blessed with competence, and not gangrened by wealth-by leisure for contemplating the Great Author, --- as the magic changes of nature occur ; and by the chance of rais ing children of sound body, and minds directed toward usefulness. Those who think that farmers should be Philemons, and their wives and daughters Phabes and Cloes, make a great mistake; and nothing is more disgusting than to see a husbandman who in his toil are many such, and they are a scan. page 183. dal to agricultural life, and to the farmer's profession. We look upon agriculture as the best heritage (except Revelation) from God to man. Who embraces it as a means of existence, ennobles himself. Farmers are the 'salt ing atmosphere of the city-the purifiers is up; this has been tried; the apples lose leaven the whole lump.

TERMS:-Published weekly at three dollars a are in a way to be sale, will parents only comes musty, and may probably do more as the lawyer, and the planter as noble as the exported, it has been recommended the merchant. Above all, let every farmer | that each be separately wrapped in coarse

PEAT COMPOST.

Phinney and Haggerston, as contained 1 tween lavers of grain. in the Report on the Geographi al and Agricultural Survey of Rhode Island, by in the vicinity of Boston, and put up for Dr. C. T. Jackson, a compost made of winter use, for the markets, and for exof insertions is not marked on the copy, the manure, is equal in value to its bulk of most universally adopted by the most exin its effects.

Dr. Jackson deems it essential that animal matters of some kind should be mixed with the peat, to aid the decomposition and produce the requisite gasses. Lime decomposes the peat, neutralizes the acids, and disengages the acids, and disengages the ammonia. The peat absorbs ry were real. There was little romance the ammonia, and becomes in part solu about them, save that which lives attend. ble in water. The soluble matter, acant on a healthy, honest profession. In cording to Dr. Jackson, is the apocrenthe old republic when luxury began to ate of ammonia; crenate of ammonia, and creep in to sap their foundations, and the crenate of lime being also dissolved. arts rose up, as if to light with a false With an excess of animal matter and lime, glory the dissoluteness and enervation free carbonate of ammonia is formed. The peat should be laid down in layers sentiments of hollow feeling also began with barn vard manure, night soil, dead to clothe the aspect of life in the country | fish, or any other animal matter, and then in gorgeous and glistening hues. The each layer strewed with lime. In Dr. Bucolics of Virgil--the Odes of Horace, Jackson's report, he has presented highly Juvenal and Martial, did much to entice valuable results from the use of this compost, which deserves the attention of ployment in tilling the earth ; yet so vivid every agriculturist. He gives the followwere their representations-so specious ing details of the manner in which the compost was prepared upon the farm of Mr. Sanford, near the village of Wickford in North Kingston. "In the corner of and disappointed to the glare-and bad the field a cleared and level spot was rolled down smooth and hard, and the tory through you will find that the poets swamp muck was spread upon it, forming of buildings, near the cellar, protected by of all debauched ages, have dwelt most a bed eight feet wide, about fifteen or twenty feet long, and nine inches thick.

the middle-aged of the present generation layers of fruit; but I have noticed that clinch the nails before you twist them off." Four subscribers, not receiving their papers destine his children to be farmers and the paper, in the manner oranges and lemons in town, may pay a year's subscription with the wives of farmers. doubt, an excellent mode. And Mr Lou

don has recommended that apples destin-According to the statement of Messrs. ed for Europe, should be packed be-

Great quantities of fine fruit are raised portation. The following is the mode alperienced ; and by this mode apples, un der very unfavorable circumstances, are frequently preserved in a sound state, or not one in fifty defective, for a period of seven or eight months. The fruit is suffered to hang on the tree to as late a period as possible in October, or till hard frosts have loosened the stalk, and are in immediate danger of being blown down by high winds ; such as have already fallen are carefully gathered and inspected, and the best are kept for early winter. They are carefully gathered from the tree by hand, and as carefully laid in baskets. New, tight, well-seasoned flour barrels from bakers, are usually preferred : the baskets, being filled, are cautiously lower. ed into the barrels and reversed. The barrels, being quite filled, are gently shaken and the head is gently pressed down to its place and secured.

It is observed that this pressure never causes them to rot next the head, and is necessary, as they are never allowed to rattle in removing. No soft straw or shavings are admitted at the ends; it cau ses mustiness and decay. They are next carefully placed in wagons, and re moved on the bulge, and laid in courses in a cool, airy situation, on the north side a covering on the top, of boards so placed as to defend them from the sun and rain while the air is not excluded at spread on the surface of the muck, and it is no dis service; when extreme cold

year; with an addition, when not paid w thin reflect that the mechanic is as respectable burt than good. When apples are to thing was as clear as the light of day. and I have several times endeavored to make our shoeing smiths understand it. but they cannot see the advantage it would be to themselves, and guess, there. fore, it would never do in these parts ; but if my brother farmers cannot see how it works with half an eye, and have not

> the resolution to get it up into practice, they ought to see the shoes drop from the feet of their horses daily, as I was once accustomed to do. Now, let any one take up an old horse-shoe at any of the smiths' shops on the road, and examperceive how the thing operates. In short, if the nails are driven home before twisting off, and the rivet formed by the twist be not afterwards removed by the rasp, I should be glad to be told how the shoe is to come off at all, unless by first cutting out the twist. I am, sir, a constant reader of the Cabinet, and one who has benefitted many dollars by the various hints which have been given in J. S. its pages.

Amongst which, perhaps, no one has appeared of more value to our practical in the true spirit of reciprocity ?--ED.

"OATS .- A writer in the Maine Farmer says that ten or more successive crops of oats may be taken from the same ground, if the stubble is ploughed in in the fall without manure, and that the crop will increase from such a course."

We once saw a lot in this town cultivated for three successive years as follows : In the spring it was sown in oats ; when the oats were cut off the stubble was turned under and corn planted. In the fall the corn was cut down at the ground and gathered as food for cattle. Still each succes. sive crop of oats was manifestly better than the preceding, the oat stubble, grass and corn roots,

much more elevated position than it even now oc. | I have invariably observed, that upon these no hope of reform is left, but the young straw from the perspiration at inhibes, he- said I-... Yes," replied he, "by which I cupies. It is very true that thousands of intelli. hearths, in the course of a few years, a luxurious secure a rivet, as well as a clinch." The gent farmers have been for hundreds of years cul. coat of grass made its appearance, when all tivating this simple crop, and it would seem won. around in the vicinity scarcely a blade of grass derful that there should be any thing yet to learn | could be found, and what there was found out of about it; but that no fixed principles have been the coal hearth was sickly and dwarfish. This as yet established, is vouched by the fact that was so well known that in the heat of summer, there are still as many opinions about the simplest when the pasture in other places was dried and points in its management, as there are different withcred by the summer drought, it was a comcultivators. That this variety of opinion exists, mon practice to drive the cattle to the ' coalings.' arises. I believe, from the fact, that until the late as they are called, sure that they would there obestablishment of agricultural papers, men ploughed, tain food. During the last autumn, business sowed, and reaped, without thinking at all; at any rate, without receiving from each other the While there, I was surprised at the exceedingly advantages of their mutual observations. Until within the last ten or twelve years, the darkness | seeded into a field, on Deer creek, and also at the of the middle ages covered the agricultural histo. very peculiar appearance of the soil. The soil ry of America. Indeed, it was not until our ex. upon which the grain was growing had a remark. ine the clinch of the nails which have hausted soils forced us to bring mind to the ably dark appearance, and appeared to be so meldrawn out of the hoof, and he will soon assistance of matter, that our farmers began to low and friable as nearly to bury the foot at every think at all, and it was not until the general es- step, and although it lay very level did not appear tablishment of a medium of communication, that to the touch to be so; not as the soil in the other any thing but the wildest guesses, founded upon fields around it on the same level. My attention the loosest facts, occupied the cultivators of the | was excited by what I saw, and I inquired if the earth. Mortifying as this picture of ignorance | field had not been covered with charcoal, and was may be to many of your older readers, it is never. | told that it had been. I inquired when it was theless true, and when they reflect, how they done, and was told it had been spread upon it themselves were in former days immersed, soul and body, in politics, they will be forced to con. what was the general quality of the crops raised cede that the science of agriculture found little upon it, and I was told that they were invariably space in the minds of their contemporaries.

But, thanks to the good sense of our deep-thinking, practical people, as the stern necessity of an exhausted soil demanded a different course of conreaders than that here presented. Will duct, they have lately begun to investigate the very interesting " hint," which is given employed, and hence it is, that, although we have growth upon these places, exactly where he had been cultivating corn for hundreds of years, we put it !! are now just upon the threshold of discovery with respect to its nature and character.

These remarks, which I hope, if not very flattering, will not prove very tedious, have been elicited by reading an excellent essay on the subject of conversation frequently with the farmers in our in the "Southern Agriculturist" from the pen of neighborhood, and from one of them I learned that Dr L. R. Sams, of South Carolina.

upon the roots of corn, found them to consist out and unproductive. It was abandoned for sevchiefly of perpendicular roots, from which numer. ous smaller ones proceeded horizontally. The had been formed upon several of the old fields, by depth, number, and proportion, of the perpendicu. drawing the wood there to burn into coal, that lar roots, the Doctor found to depend very much had been cut in the adjoining timber lands. Afupon the nature of the soil in which they grew. In ter some time they again put those fields under a very light, sandy soil, incumbent on a loose sub. tillage, and he states that wherever a coal hearth

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called me into Hartford county, in Maryland .luxuriant growth of a crop of grain but lately more than twenty years ago !! I then asked fine, both as to quantity and quality. The person who lived upon the property informed me that he had repeatedly hauled the soil from that field and spread it upon the surrounding fields, and he could, for years, or in fact from the time he spread our correspondent accept thanks for his secrets of the great business in which they are it there to the present day, always see, by the

> "I had for some time past had my attention directed to the subject, but here I found it fully developed to my full satisfaction.

"When I returned home, I made it the subject when he lived in Chester county, Pennsylvania, Dr. Sams, as the result of several investigations | with his father, a part of their farm became worn eral years, and in the mean time many coal pits he found an average of twenty-five perpendie. had been left, there the crop of grain and the ular roots, from three and a half to four feet long. growth of grass was equal, if not superior, to that The size and extent of the lateral roots he found which grew upon any of their most productive to be dependent upon the moisture of the surface | fields. Another case of the application of charcoal I have found in this neighborhood was made by a gentleman in the iron business to his meadow. near the coal house. He had a large quantity of the coal that had become too fine to be used in the creased, not only in numbers, but in all their di. | fornace ; he did not know exactly what to do with mensions, a large proportion of them extending it, it was in the way, and he concluded, as the easiest way, to dispose of it, to haul it out and spread it upon the grass land. He spread it late in the fall, and for many years he informed me he observed the most astonishing effect produced upon his yield of grass. The quantity was nearly double, and the effect continued as long as he owned more developed than in the former case, especially the property, which was at least ten years; so he informs me. "From what I can see of its effect, where a large quantity is left upon the ground, as for in-The practical deductions that Dr. Sams draws stance, in the centre of the hearth, it takes a considerable time for it to acquire a sufficient degree of moisture to penetrate to the bottom, and until it has acquired that degree of moisture nothing will grow there. Around the outer edges of the circle where it is thrown upon the ground it is soon saturated with moisture, and vegetation in soon facilitated, and goes on rapidly. I should judge, from this, that when about to be applied to land the coal should be ground fine, and then thoroughly wetted and sown or spread with a lime spreader over the surface of the soil. From the circumstance of its being easily powdered or mashed up, I should suppose that the process would be very easily effected by making a floor of plank, say circular, and procuring a good sized stone, to the stalk is the centre; consequently, present be affixed by a shaft to an upright post, throw the economy would recommend the application of ma. coal into the circular planked way, and attach a horse to the shaft passing through the stone, and from the nature of the subsoil, the support is drive him round, carrying the stone, in its passage. over the coals. A very simple and casy process, precisely similar to the old-fashioned way of grinding or breaking up bark, practiced by the tanners, previous to the invention of the cast iron mill now in use. The cost of covering an acre would be considers, as nothing more than a failure of a sup. triffing, and if it produced no other effect than that ply of food and moisture to this most succulent and of forming a permanent vegetable basis in the soil, suppy of the vegetable tribe ; and close planting for lime to act upon, it appears to me it would well repay a greater amount of labor and expense than would be necessary to try it. "I have just been made acquainted with an. other result of the application of charcoal to are. ble land, that if general, from its application, will One thing is certain, that very large crops can induce its use by every one who can procure it at only be obtained by close planting, and it is a great a reasonable price : that is, wherever charcoal has been applied rust never affects the growing crop of wheat ! ! My friend who has communicated this fact to me states, that he has observed it particu-It is only by a strict examination into facts larly, and when the field generally has been with all their attendant circumstances, such as the 'struck with rust,' as it is called, those places caped.

not mean the occupations of the country. ment they began to decompose, he again nor perhaps would they have thought so, covered them with peat, and a renewed had they composed their sonnets as Burns | layer of fish was spread and covered in oftendid, at the tail of the plough and in the same monner. The fermentation was allowed to proceed for two or three weeks, when the compost was found to become fit for the land. To this he was advised to add lime in the proportion of one cask to each load of compost early in can refer to aught else than such in the the spring, which it was supposed would complete the decomposition in two or three weeks. Such a heap should be wagon--the sounds of the hay time, and rounded up and covered, so as to prevent the rain washing out the valuable salts. that form in it. And in case of the escape of much ammonia, more swamp muck or peat should be spread upon the heap. for # tion of men from the city life to that of the purpose of absorbing it." D. Jack. son is of opinion that the phosphore

convert the lisse into a physphate, and It is very pleasant, that whistle of the thus approximate it very closely to home Any refuse animal matter can be, of

course, employed in a similar compar-"The careass of a dead horse which offen suffered to pollute the tor by Tthe hay-time are pleasant when you can loss off ivin, has been happedy employed in decomposing 20 tons of peat earth. the labor of the scythe-and the sports and transforming it into the most enrich of harvest are quite attractive when you ing manure."-Young's Letters of Agri

> Night soil may be composted with peak quantities of acamonia are given off and absorbed. +

Appended to Dr. Jackson's report will be found a letter from E. Poinney, Esq. dable results to honest efforts. It is dis tof Lexington, well known as one of the tinguished from life in a city, by charms most skilful agriculturists on the reclaim

> . In a Report on a Re. . ximination of the Geo. logy of Mussachusetts, 1+34. Dr. Dana particu larly notices the evolution of ammonia from for menting dung, and supposes that the am nonit combines with grine to form a soluble compound. See Mites to pige 83 of the Report.

tNight Soil. The quantity of night soil coll et d and removed from the city of Boston an. nu illy, is about four hundred thousand square feet. It is u ed by cultivators in the unmediate vicinity, being composted with soil, lime, peat I perceive the diff rent mote which he &c. Large quantities of animal matter from thinks constantly of Cincinnatus, and is slough er-houses, and other sources, are also daily turning back from his plough to made use of. The heaps are left exposed, unsee if no "deputation from the city" is covered to the air, and the value of the comcoming to call him to office. There post is consequently greatly diminished. See

GATHERING AND PRESERVING APPLES. Various theories have been offered for preserving apples in a sound state for winter use, or for distant voyages. Some have proposed gathering the fruit before of the carth'-anti-septics to the putrify. it is ripe, and drying it on floors before it of hollow and heartless life ; they are leav. all their flavor, and keep no better than or with the view to rasp off the twist of en which, would we take counsel of their by some less troublesome modes. Dr. sphere and duties, would straightway Noah Webster recommends that they should be put down between layers of sand which has been dried by the heat of ever to lose a single shoe in a long day's ful times are leading thousands of men summer .- This is without doubt an ex. hunt, I should have to shut up my shop; who have clung as if for dear life to the cellent mode, as it excludes the air, and my business is to shoe the horses belong.

weather comes on, and the diate danger of being frozen, whether by night or day, they are carefully rolled into a cool, airy, dry cellar, with openings on the north side, that the cold air may have free access; they are laid in tiers, and the callar is in due time closed and rendered secure from frost. The barrels are

never tumbled or placed on the head. Apples keep best when grown in dry seasons, and on dry soils. If fruit is gath ered late, and according to the above 'di rections, repacking is unnecessary; it is even rumous, and should on no occasion be practised till the barrel is opened for use. It has been fully tried.

When apples are to be exported, Mr. Cob. bet has recommended that they should it possible, be carried on deck ; otherwise between decks. Between decks is the place, and in the most dry, cool, and arry part .-- Kendrick's New Orchardist

From the Farmer's Cubinet. SHOEING THE HORSE.

Mr Editor, -- The remark of your con responsent at page 318 of your mucho for May, " That many of us transpose the order of our lavors," remade my of mode adopted in the shoeing of the horse which I once witnessed, and which is, I beiteve, of importance sufficient to de serve notice in the pages of your valuable and very interesting work. It occured at the town of Croydon, near London. which is known as the centre of stag aunt, so well attended by the whole country around, and especially by the highured bloods of London; and where may he seen a field of the best horses in the whole world-many of them worth their five or seven thousand dollars.

As I once passed through this town. one of my horses' shoes became loose and I went to the shop of a smith named Lovelace, to get it fastened; the shee was nearly new, and had become loose in consequence of the nails having drawn out of the hocf, although they had been clinched in the manner universally praused. The smith remarked that all the other shoes were loose, and would soon drop off, when I requested him to take tuem off and replace them; and then did a opted for fixing them, which I will here detail. As las as he drove the nails, he merely bent the points down to the hoot without, as is customary, twisting them off with the pincers ; these he then drove home, clinching them against a heavy pair of pincers, which were not made very sharp; and after this had been very carefully done, he twisted off each nail as close as possible to the hoof; the pincers being dull, the nail would hold, so as to get a perfect twist round before it separated. These twists were then beaten close into the hoof and filed smooth, but not deep. learnt a lesson in horse-shoeing," "Yes," said he, " and a valuable one; if I were

being the only manure which it received .- ED. SANDY SOILS.

> The Editor of the Massachusetts Ploughman being called on for his advice on the treatment of sandy soils that will hold manure, recommends the application of ten cords of clay, or five cords of leached ashes, to the acre; the coating of clay, if it can be had conveniently, to be put on some time in autumn. But there is no crop he says so appropriate to light, sandy soils as buckwheat.

> "This is quite as sure a crop as any of the English grains, and our poorest lands will produce it. In Virginia and in New York this grain succeeds well-even the worn out soils of the Ancient Dominion that will yield but five bushels of corn per acre will give double that quantity and value of buckwheat, and at less than half the ex. pense.

> " This is a summer grain and it will not impoverish a poor soil. But turning in one crop in Junc and sowing another on the furrow, to be harvested, a poor soil will improve from year to year, and 20 to 30 bushels may be counted on as an average yield. We have thousands of such lands in Mas. sachusetts which now he idle. Buckwheat usually commands \$1 25 to \$1 50 per bushel every spring though nobody is ready to buy i in autumn. But it may be used by every farmer at home, and a bushel of it is worth more for hogs and for hens than a bashel of corn.

"Buckwacat should be sown in the latter part June ; some farmers sow as late as July 4th .--When a field is kept for the buckwheat the scattering seeds of the previous year will sometimes be sufficient without sowing any in June. One bushel per acre will be sufficient where there is no seed in the ground ; half a bushel is the usual quantity in other cuses.

"The buckwheat may be saved for the grain, or it may be ploughed in when full in blossom to enrich the soil, and grass seed may be sown on the same ground in August, with or without other manure."

Sorrel, he says, never raises its head where Buckwheat is sown. If the land is naturally too light and porous for grass, keep it for Buckwheat from year to year, and the sorrel will never be troublesome. This product will grow and spread sufficiently even on poor land to smother all other plants on sundy loams .- So. Planter.

From the Southern Planter. CORN.

There is no one subject in agriculture that is more peculiarly interesting to us than the cultivation of Indian corn. In the first place, it is the national crop ; in the second, it bears with it a spice of romance, as being intimately connected with that race upon whom only the sacred hand of antiquity has yet impressed the stamp of poetry in this new world; but thirdly, and chiefly, because it is believed to be the most valuable vegeta. ble growth, take it all in all, cultivated by the hand of man. I do not believe either that our savage predecessors, or our tobacco making ancestors, ever brought the cultivation of this noble vegetable to perfection. I am very sure that the system of neither the one nor the other was of the character best adapted to the present state of our soil. Neglected, as to a certain extent, this valuable crop now is, still in point of profit, it need not shrink from a comparison with either of its haughty rivals, wheat, or tobacco. Facts and experience, which settle the claims of high and low, will prove the corn growing to be as independent and prosperous as any other interest in the State. But

soils. In a poor soil, of a dry season, they did not exceed two or three inches in length, while many were much shorter; on the other hand, in a rich moist soil, these lateral roots were very much infrom one to two feet or more from the stalk.

On a close, heavy soil, based on a stiff subsoil, the perpendicular roots were found more numerous. but shorter, reaching an average depth of only two feet. The horizontal roots, though of smaller diameter than the perpendicular, were so much when favored by a moist and mellow soil, as to traverse and occupy the entire intervals (a space of five feet) between the rows.

from these facts, are, that if the soil is made rich and mellow to a considerable depth, the perpendic. ular roots will naturally penetrate to that depth, and as he found that the extension of the side roots along the surface was chiefly a substitute of nature for the obstruction of the perpendicular roots, he concludes, that whenever free passage is afforded the latter through rich ground, that this plant will be furnished by these means with food and moisture, even during a drought ; when the lateral or surface roots, that would otherwise supply their place, would be entirely parched and kill? ed. Again, where a free descent is afforded through a mellow soil, the roots will be found almost wholly within a circle of two fect, of which nure within that space. On the contrary, where, derived from the horizontal roots, the application of manure in the hill would fail to fun sh the roots that had extended beyond its influence with their food at the most critical period of the plant. viz : the filling of the ear. Firing, Dr. Sams

leads to this fatal consequence, only, because, in our usual mode of cultivation, the plant is depend. ent for a supply of food and moisture on its lateral roots, which can only find a sufficient supply for one stalk within a given space.

desideratum to know how that can be effected without the danger of firing, that usually attends it in this region.

world is indebted to Dr. Sams for, that any correct where he had applied the charcoal invariably es. or philosophical conclusions can be arrived at .--He may possibly have erred in the inferences he has drawn, but the agricultural community are at least indebted to him for the communication of the interesting facts he has observed. Yours, with the best wishes for the success of

your useful and practical paper, A CORN GROWER.

From the Southern Planter. CHARCOAL.

This substance is attracting great attention as fertilizer, and we make the following extracts from a paper published in the Transactions of the New York State Agricultural Society, by Mr. J. H. Hepburn :

J. H. HEPBURN. Jersey Shore, Lycoming Co., Pa."

CEMENT.

In the New England Farmer, Vol. 12, No. 3, . 21, we find the following statement :

"The late conquest of Algiers, by the French, has made known a new cement used in the publie works in that city. It is composed of two parts of ashes, three of clay, and one of sand. This composition, called by the Moors, Fabbi, being again mixed with oil, resists the inclemencies of the weather better than marble itself."

Mr. Dorr, of Roxbury, called upon us, a few days ago, to look up the above article in our back volumes, and stated that he used a cement made "In the neighborhood in which I live there are according to the above directions, around the win-

