From the Albany Cultivator CEMENT CISTERNS -THE BEST METHOD OF CONSTRUCTING.

Messrs. Editors, - You will doubtless monthly, pro bono publico, but especially for any stone the benefit of those interested a few brief hints purposes. fountain of pure soft water at their doors.

Of the various methods recommended and practiced in different sections of the country, the plan of constructing cisterns of brick and watercoment, is doubtless far superior to any other, particularly in regard tousofulness and durability. Though we have made one answer a tolerably anough we have made one answer a tolerably good purpose for a number of years, made of white pine, bound with strong iron hoops, and firmly set in blue clay, yet the hab his of the material to decompose and become useless, even when every precruction is used, suggested the propriety of adopting some improved mode in constructing. The above there were the construction. structing it. The plan chosen was the one above mentioned. We constructed two of different sizes. For the largest, a pit was ordered to be dug ten feet in diameter and nine feet in depth, the bottom being shaped similar to that of a large potash kettle, and the sides perpendicular. The brick selected from the klin for the purpose, were those burned hard, though but little cracked or warped. The morter used was made of two parts coarse cleanriver sand, and one part ground; parts coarse cleaniver sand, and one part ground; water-cement ready for mixing, obtained at the mill near Schuylerville, N. Y, at 25 cents per bushel, though from the fact that it does not petitly or "set" as soon as some kinds, it is believed a superior quality may be obtained. Water is worked in, to render it sufficently soft for use, like common lime mortar. With materials and pit thus prepared, the mason commences operation exactly in the centre and bottom of the excavation, by covering the surface with a thick coat of his mortar, and laying the bricks with their flat surfaces contiguous, forming, as soon as convenient, a perfect circle of some three or four feet in diameter. Regular courses are then laid around the circle, taking care to increase theinclination of the upper edge towards the centre, so that when the bottom is finished to the edge from wherehe wishes to carry up the sides, the bricks will be placed in an angle of about fifty degrees with the perpendicular side. Extreme care should be taken with this part of the work, and an extra quantity of coment need, in order to prevent the possibility of a leak, as in turning up necessarily be further spart than the inner, and know what use it would finally be. He was every cavity should be completely filled with the certain, from his own observation, they did not mortar. The sides were then carried up perpendate and general conduct, and as to chemistry, all gradually so small as to admit or being covered their study of it has not given ment a knowledge, with large slabs of white marble, with a circular of bread making, which he considered a very orifice sufficiently large to admit an ordinary important nem, his mother having been success-sized person and to place a pump for raising the ful in that line of business, and he had been water. A urb is then carried up sufficiently accustomed to the besits real bread. He shought, high to prevent any action of the frost on the it their studies were not of some practical utility, work below, and filled in with dirt or gravel that will not heave. At the top of the brick wall, and immediately under the stone covering, is left an opening the size of a brick, from which a drainis laid to conduct off the surplus water, made like some good common sense in them, though I is going up, the mason should be particularly at such nonsensical sound and most hearing is going up, the mason should be particularly at such nonsensical suff, in these days of improve-careful to lay on a good coating of coment over ment, when many considered it points and the outside, before filling in, care being taken to preserve a sufficient space between the bank and affire. My advice was, that he should go away wall, for this purpose. To complete the work, tout in the country, and took for the daughter of a flat stone is placed on the bottom of the creating some good faimer, who had taught his turney in a ved of morter for the pump to stand upon, the whole inside plastered with cement similar to the walls of a house, and af or drying a few hours, whitewashed with a thick mixiate of cement and water, and the work is done. Water may be admitted after the work has become Water partially hardened, but should be conducted to those fashionable things that disturb the peace the bottom in such a manner as not to wash t'e of young housekeepers, and render home a sceno crating of cement. The first quantity of water, of misery and suite, mateau of the guthering discharged into it will be hardened and rendered place of the heart's best affections. unfit for use, by the sulphate of line contained. If gris had any idea of what would promote in the cement, which may be pumped out, when their luture happiness and interest, more of their the next will be soft.

asabove less r bed, must be apparent to the most fittering it away to gain a few (generally use-casual observer. When done in a workmanlike less) accomplishments. The first is of great casual observer manner, and with proper materials, they will be Messrs. Editors, - 1 ou will doubtiess, as an aniacie as monga. The inside presents a strace as free from fich as allow me to communicate through your valuable of any stone vessel used for culturer or household monthly are hono publico, but especially for any stone vessel used for culture and of all of course. Different families will of course the octour of these interested a tew order mans require different sizes, and the amount of material in regard to the proper manner of constructing require different sizes, and the amount of material externs; houshold appendages so necessary to construct them vary accordingly; the one described, containing something like 45 not blessed by nature or art with a generous logsheads, the other about 20. The builder, Mr. Roesard Swarts and, of Schurderville, N. V. has require different sizes, and the amount of material Rienard Swartwout, of Schuylerville, N. Y., has often, to save expense, been ordered to plaster the cement directly on to the earth as shaped with the shave!, and covering with plank or laige stone as before But the mode is evidently objectionable, ss, if accidentally exposed to the frost, the sides will crack and become leaky. stone as before Brick cisterns laid up with common mortar, are also liable to crumble in time, and prove defective. In either case, however, the top should be sunk below the surface, and covered with gravel sufficiently deep to prevent the action of the frost on any part of the masomy. If any of your readers choose to construct their distorms accordng to the bove directions, taking care to secure an experienced workman and goodmaterials, they an experienced workman and goodinateriats, and will find doubtless, should they live so long, that the lapse of half a century will not affect their defulness or impair their darability.

J. Chace.

Hoosick Falls, June, 1844.

From the Termessee Agriculturist. TO FARMERS' DAUGHTERS.

It has been sometime since I talked to the girls. This evening I will give them a few lines, leading them know I think of them yet. As usual, I am dwelling on the common, every day aff irs of life, and feeling more and more the importance of young females being well acquainted with all the minute thereof. The reason for my writing as I do a present, I will give you.

A few days since, I heard a genileman, who wished a domestic, industrious, and contented wile, speaking of a pretty, interesting girl, proising her modest deportment and engaging manners. but at last, wound up with, "She does not know how to do anything useful, she could not even make her own dresses, she would be of very little use in this world of hard work." Now, I had nearly the same opinion myse, though I would not tell him you know; but thought I would tell you, and let you profit by it, if you choose. He spoke also of some young ladies who studied mental and moral philosophy, the wall, the outer edges of the bricks must chemistry, and other branches, and wanted to gradually so small as to admit of being covered, their study of it had not given them a knowledge,

they might as well be let slone.

I was really amused, to hear views so much in opposition to the prevailing notions of the day; and, to tell the truth, it thought there was that it is honourable to engage in all the userut employments in which the greater part of the duty of woman consists-one who could sit downhoppily at home, and study household good. without signing for the excitement of fine diesa. fashionable furniture, fashionable visite, and all of misery and suite, instead of the gathering place of the heart's best affections.

If girls had any idea of what would promote

precious time would be spent in the acquisition i

The advantages of having cisterns constructed of useful and necessary knowledge, rather than importance, in every situation of life; the latter are almost always given up, as soon as their possessor takes her stationat the head of a family. I was led to consider what should be the character of a lady who has finished her education, or who at least has left school, and also of the training necessary to form that character. Nothing preventing, I will tell you my cogitations at some future tinge, although some of you will think I am altogether too old-fishioned to be writing in these days of light and knowledge.

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THE FARMERS' FAIR.

Tune-Auld Lang Syne. Ye husbandmen, both far and near. Up, up, sur round, prepare
With sons, and wives and daughters too,
To attend the Farmers' Fair. Bring wheat and corn of various kinds, Bring all that's new and rare, And barley, oats, eye, buckwheat, millet, All to the Farmers' Fair. Bring pumpkins, squashes, carrots, beets, Quince, apple, peach, and rear. Potatoe, turnip, caubage, peas
And beans to the Farmers' Fair. Bring "sheep and oxen," large and fine, And cows. and horse and mare, And pairs of horses, asses, mules Bring all to the Farmers' Fair. Bring heifers, steers, and stately calvos, Let "bulls and goats" be there, Bring natives, short horns, long horns, no horns, All to the Fermers' Fair. Bring porkers spotted, porkers white, Suit every connisseur— Let Berkshire, Byfield, China, Leicester, Meet at the Farmers' Fair. Ye wives and daughters bring your bert, And best with good compare, Bring something that your hands have wrought, And come to the Farmers' Fair. Bring golden butter, melting cheese, Bring nick-nacks rich and rare; Let woollens, cottons, linens, silks-Bring praises on THE FAIR. Mechanics too and artists come. Bring samples of your ware Display the products of your skill, And crowd the Farmers' Fair. Bring cultivators, harrows, Ploughs, All made for wear and tear; Com planters, drills, yokes, shovels, hoes, And rakes to the Furmers' Fair Machines for trashing, lenning mills, Horse-power and smaller ware. Straw-cutter, corn-nuil, checee-press, churn-Bring all to the Farmers' Fair. One word to him of generous soul, Who loves thus to prepare— Oh, let that "Farmers' coat of arms," Be here at the Farmers' Fair. Ye clergy, teachers, students come, Come taste the bright blue air:
Pa'e. sallow, sickly, "feeble folk,"
Trun out to the Farmers' Fair. Ye Lawyers Doctors, Merchants too, Come gather round-for where Shall non-producers learn their place! Save at the Formers' Fair. Come men and women, old and young-Les boys and girls be there , Come ach, come poor, come mute and blind-Come act, to the Farmers' Fair, Bring similing faces, checiful hearts-At home leave gloom and care er a right good hearly shake of the hand, Go round at the Farmers Fair. The Farmers Fair—that giorious day— And irrendship, joy, and peace unite, lo bless the Farmers Fart.
The Farmers Fair—oh giornous day, Loved here and everywhere: Now all in chorns Join andraise

Three cheers for the Farmers' Fare.