

one bad result—alike nasty and disagreeable to the eye, suggestive in fact of baked crowding. But that is not all, for the supply gets low, and the dregs are fished up, and then the supply is perhaps altogether stopped to allow of the tank being cleared, and a day or so is required for the mixture to settle; the result of all which is, that the liquid manure-tank in many gardens, like the patent fumigators and other garden inventions which one may see hung up in sheds, but never used, becomes a neglected and half-forgotten receptacle. But all this may be easily remedied by having a properly constructed liquid manure-tank, made as follows:—

The best material is slate, and of that an oblong tank should be made, proportioned in size to the wants of the garden. About 6 feet by 3 is a fit size for a pretty full plant collection, and it may be 4 feet deep, or more. This should be sunk half way in the ground, placed against a wall in some convenient spot in the frame ground, or near the houses where its contents are most required. It should be divided by a partition of slate across the centre. The lower part of this partition, say the lower foot, should be perforated with holes about half an inch in diameter, or a little less, and then, in one side should be placed about 15 inches of rough gravel, with a few inches of fine gravel on the top of it. On that, whatever manure is preferred, is to be placed, and then the water poured in. Of course the other side will contain nicely filtered liquid-manure at all times, and there need be no cessation at any time, but a constant supply of nutriment in the best form. Always ready, there will be no hesitation or irregularity in using it.

Generally, gardeners prefer sheep-droppings for liquid-manure, and it is probably the best material that can be used, and the safest and most agreeable to plants generally. It need hardly be added that it should be well diluted, and applied in a clear and weak state. Strong undiluted liquid-manure, especially stable or dunghill liquid-manure, is death to many plants. *W. in Gardeners' Chronicle.*

Fruit Growers' Association of Western New York.

The winter meeting of the above association was held in Rochester, Jan. 23. and 24. We learn from our exchanges that the attendance was much larger than usual, and that the discussions were animated, interesting and instructive. The four sessions that were held were almost wholly taken up with the grape, and the experience of the fruit-growers present with the different varieties was very freely and fully given. After an exhaustive discussion of the question "what single variety is the best for garden culture" the vote of a large majority awarded the palm to the Delaware. Much diversity of opinion showed itself as to the second best variety for garden culture, so much so, that no vote appears to have been taken on that point. Diana Isabella, Creveling, Concord, Adirondac, Rogers' Hybrids No. 4, and 15, Iona, Israella, and other sorts, all found earnest advocates, and it is pretty clear that we have already a good list of garden grapes suited to the latitude of Western New York and Western Canada.

It was difficult to draw the attention of the meeting to the discussion of anything else but grapes. However, on the second day, two or three other topics received some attention. A movement having been set on foot to repeal the law fixing the size of apple barrels, the Association expressed itself strongly and unanimously in favour of the existing statute, deeming it very important that there should be a legal standard of measurement, to which all sellers and dealers must conform.

A discussion also arose on the question of bird preservation. It was urged by some that indiscriminate protection of birds was as indefensible as indiscriminate slaughter of them, that there were kinds whose depredations were intolerable, and ought to be checked. The robin was particularly instanced, as preying most unremittingly on fruit, from strawberry to plum time, and it was contended that to shoot one now and then would abate the evil, and hold the feathered thieves in check. It was the general opinion that a middle course ought to be taken, and it appeared to be considered advisable to have the law so modified as to make parties masters of the birds on their own premises, to leave them unmolested or to destroy them as they deemed best.

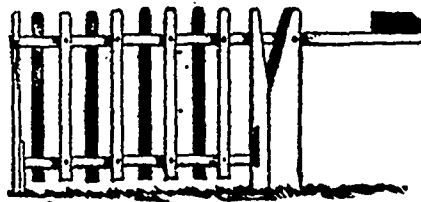
Some talk was also had about pears, more especially in reference to the failure of this fruit from that mysterious visitant, the blight. It was thought this evil was attributable, in some degree, to over-manuring. Replanting, and more careful culture, were urged, the fruit being too valuable to be abandoned because of difficulties in growing it.

Bulbs that are yearly moved and flowered in the open ground rarely seed; but if left in the same place three or more years, without having been taken up, the main or centre flower stock will generally produce seed. Plants, however, that are grown in pots in the house nearly always produce seed; hence such plants are advised for operating on.—Horticulturist.

ROGER'S HYBRID No. 4 GRAPE.—F. R. Elliott, of Cleveland, Ohio, speaks in high terms of this new and promising variety. He finds it to ripen with or a little before the Concord, which it excels in size and quality, while it is equally handsome, and is scarcely, if any, inferior in hardness and vigor.

A LADY HORTICULTURIST.—The *Newburgh Journal* has the following notice:—Miss J. L. Waring, of Amenia, Dutchess County, N. Y., a lady of intelligence and culture, has gone quite extensively into the culture of fruits and vines. She has invested upwards of forty thousand dollars. She cultivates only the choicest varieties, and has several large and well constructed houses for the propagation of foreign and delicate vines. She has a large number of vigorous and thrifty out-of-door growth. Miss Waring is the most extensively engaged of any lady, so far as we are aware, in an occupation which is a favourite one with the women.

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