TORONTO HORTICULTURAL SOCIETY.

The Second Exhibition of the Toronto Horticultural Society came off, agreeably to a former announcement of ours, on the 17th ultimo, at the grounds of the Government House. It was by far the most creditable performance of the kind that has ever taken place in Canada; and we are informed, has gived general satisfaction to all who favoured the Society with their presence. Indeed, the great display of fruits, flowers, and vegetables that were exhibited both by professional gardeners and amateurs has been the principal topic of conversation for several days subsequent to the Exhibition. If any one performance gives evidence of a highly-cultivated taste, it is that of the inhabitants of our towns and cities engaged in a praiseworthy emulation of each other in the production of the choicest ornamental and useful fruits of the season. This can best be accomplished through the agency of organized Societies, and magazines devoted partly or exclusively to the science and practice of Gardening.

The citizens of Toronto are under high obligation to the President and founder of this creditable Institution, W. B. Jarvis, enable bny one to select her out f om among her Esq., who has so indefatigably devoted subjects his time, talents, and influence in its of a miscrescope. Every swarm of bees in combehalf. As the Institution is established posed of three classroor sorts, to wit: one Queen or lemale, drones or males, and nuters or workers. The Queen is the only female in the without an exception, exhibit a lively workers are raised to realize from which all the young here are raised to realize their exhibit. without an exception, exhibit a lively mye, and lays an the eggs from which an me young bees are raised to replenish their colony, interest in its success, the citizens would show evidence of their good sense if they that of influence, which is derived from the fact that of influence, which is derived from the fact that she is the mother of all the bees, and they their purse and influence.

funds will admit of the arrangement, at all times the most sincere attachment to her the total and a state of the arrangement, by to the most sincere attachment to her the total and a state of the arrangement. there will be an autumnal Exhibition. about the middle of next September. This, however, will depend altogether Exhibition.

THRASHING MACAINES.

Those of our readers who are desirous District, who has built a machine constructed after an American pattern, and populous community only. It any one is districted after an American pattern, and posed to doubton this subject, let the experiment be tried with shill, and I will be answerable for the result, to wit: Take the Queen from a first best farmers in the Home District.

A swarm (second swarms trequently have more than one Queen Mill her said hypersections) best farmers in the Home District. A swarm (second swarms frequently navo more large portion of our farmers have one wire, or strong string, suspend her in the live; In epcaking of the advantages of a large colony, wire, or strong string, suspend her in the live; In epcaking of the advantages of a large colony, wire, or strong string, suspend her in the live; In epcaking of the advantages of a large colony, now let in the swarm; confine the bees in the I would not be understood to approve of the plan being only about eighteen pounds for the clustered about her, then give the bees liberty, economy of nature as to raise bees in a chamber

entire machine. They require but a trifling amount of skill er expense to be kept in good repair, and they will properly thrash from one hundred to one hundred and fifty bushels of good wheat in a day, of ten hours, by proper attendance. They are manufactured by Mr. Absalom Blaker, in the village of New Market; Mr. Josiah Jones, in the immediate neighbourhood of the village; Mr. Edward Caldwell, Whitby, and by numerous other machine makers in various parts of the District. They have been in use in the District for about nine years, and the demand has gradually increased, so that it may now be safely said that there are some hundreds of them in use.

(Continued from the July Number.)

AN EASY METHOD OF MANAG-ING BEES, IN THE MOST PROFITABLE MANNER THEIR OWNER.

General Observations.

The reader might have expected many things demonstrated in this work, which are omitted by design.

The structure of the worker is too well understood by every owner of bees to need a particular description. So also of the drone; and the Queen has already been sufficiently described to would come forward and sustain it with being endowed with instinctive knowledge of the propagate their species, treather with the greatest We are requested to state, that, if the kinnness, tenderness and reverence, and manifest by teeding and guarding her from all danger.

The government of a hive is nearer republican than any other, because it is administered in exact accordance with their nature. This, however, will depend altogether peculiar natural instinct, which prompts them in appoint the citizens themselves. We hope that their actions. The Queen has no more to do with the government of the live than the other an effort will be made to raise the neces- bees, unles-influence may be called government. sary funds for the intended September It is found by experiment that bees will go to work, and continue their labors with perfect regularity, with a dead Queen, as long as she is confined in the live in such a manner that the bees will keep her in motion ; but as she is the only temple in the hive, no eggs will be laid, no broad comb made, and no young bees raised; notwithstanding there is a plenty of drones, as of procuring a stationary two-horse there are no grabs (la-va) in the rave to common the polen, the combs will be unusually loaded with the polen, the combs will finally perish by the thread; and the bees will finally perish by the to consult the machine makers of this depredations of the mothe, or want of animal heat

to work. If the experiment ends here, entire loss will be the final result. Bees have so many admirers, they will soon dwindle away in numbers, and perish in consequence of losing go many of their campanious, which are caught by the birds, and are just by other casualties, unless they have the means or propagating their species. But there is a remedy by which the bees may be supplied with a Qu on, which is more simple, though more difficult than the ordinary method. lake brood comb containing eggs and tarva of workers only, from any hive that contains them; place the same in a drawer in its natural position; now has re this drawer into the chamber of the now has it the drawer into the emininer of the have, so that the bees can have necess to them and they will have a Queen in a few days. If she hads empty cells in the lave, during the breeding season, she will deposit eggs there, because it is her nature to do so ; and the nature of the workers prompts them to take care and nurse all the young larra, labor and collect food tor their sustenance, guard and protect their babitations, and do and perform all things in due obedience, not to the commands of the Queen, but to their own peculiar instinct.

The drone is probably the male bee, notwithstanding the sexual union was never witnessed by any man; yet so many experiments have been tired, and observations made, that but finde doubt can be cutertained of its truth. That the sexual intercourse takes place high in the a r, is highly probable from the fact that I have seen an a tempt at cognition by the drone with the Queen on their return from an excursion in the air, before she could enter the hive, and other insects of the fly tribe do copulate in the air, when on the wing, as I have repeatedly seen.
that the drone is the male bee, is probable from the fact that the drones are not all killed at once, but at least one in each hive is permitted to live several manths after the general massacre.

I examined four swarms, whose colonies were strong and numerous, three months after the general massacre of the drones, and in three bives I found one drone each; the other was probably overlooked, as the bees were thrown into the fire as fast as they were examined. But there are many mystemas things concerning them, ard much might be written to little purpose; and as it is designed to go no further in illustrations than is necessity to aid the apinina in good management, many I tile speculations have been entirely omitted in the work, and the reader is referred to the writings of Thatcher, Bonner, and Huber, who are the most volumnious and extensive writers on bees within my knowledge.

The importance of taking the Queens from all small, and ate awarms, and returning them to the original stock, caunot be too much insisted upon. It consultates a very important feature in my system of managing boos. Even first swarms that are late, had better be compelled to remain in the parent hise. The pro-p-ray of a late of bees depends in a great degree upon their number being kepi full. They are their own best defendbeing kept full. hey are their own best defenders. Their number not only protects them from the depredations of the moth and the robseries of other swarms stronger but the anunal heat which is generated in the five by a populous community protects the combs from molding, and the beca from freezing in the coldest weather. But the apiarian derives another advantage by keeping his hives full of bees; he secures a larger quanity of honey from a full awarm, than from many small ones. The time for making much honey does not usually last more than 20 or 30 days in Vermont, and the greatest proportion of honey that is deposited in the hive for winter use is collested in theen or twenty days. very important that the attention of the old stock should not be called off from gathering honey at this time, to guard their hive from the attacks of mo he to which it is left exposed, by the desertion of that part of their body which has accompanied the Queen to constitute a new saarm. Hives that are well storaed with bees in the spring, swarm much carlier than feeble ones, and are able to use the best of the season to great advan-