house to house, especially in tho most. thickly inhabited districts, and do tnuch to prevent the overcrowding of tenementhouses, to secure proper ventilation and to enforce cleanliness in them, is well as personally ou the part of their temants. To have tho streets properly swept. cleaned and kept free of foul odors, are also italuded amoug their duices. Being men oducated to rely mainly on chemicals and drugs for obiaining desired results, they use large quantities of disinfectants to destroy the injurious and often deadly gases and malarious exlalations from the garbage and general debris incident to the crowding of large masses of people in cities. These disiafectants are highly useful in their way, but sanitary ollicers scem not to have observed another means at their command whish, while it greatly assists in promoting the general good health of the inhabitants, would add to their comfort, sind at the sume time do much soward the adornment of the city. We allude to the planting of city streets wih shade trees.

It is well known that trees absorb carbouic acid gas and give off oxygen, the first as injurious as the last is indispeusiblo to animal life. Bren aud atimals, on the coutrary, absorb oxygen and give out large quantities of carbouic acid gas. When, therefore, we consider the inmense amount of this gas given off from the lungs of the inhabitants-human and brute-of a large city, and the immense amount produced by the combustion of the fuel used in dwellings, factories and workshops, we may form some idea of the enormous vitiation of the stmosphere thus produced. Those who bave given attention to the subjoct estimate that it requires more than two acres of forest to purity the air vitiated by every three inLabitants. According to this, a city of 60,000 iuhabitants woald require $\mathbf{1 0 , 0 0 0}$ acres of vegetation to take up the carbonic acid aud other deleterious gases given off by its people. If it were not for the action of the wind in removing the atmosphere poisoned by the emanations from the city and replacing it with a purer atmosphere from tho surrounding country, the city would soon become uninhabitable; but the winds have not such full sweep over cities, owing to the leight of the buiidings aud other causes, as to thoroughly cleanse the atmosphere brooding over them. Hance the necessity of encouraging the growth of as mach regetation as possible within the limits of tho cities themselves. Se nearly exact is this estimate that we may regard it as demonstivating the uecessity of large parks at.. 4 squares in cities. But, through the growth of the city, land becomes too valuable to provido a sufficient area of parks and squares for such purposes. Resort must, therefore, be had to the streets themselves; and hence all streets not deroted to com-
mercial purposes shoald be planted with continuous rews of trees on tither side. Paris now has so large a number of parks, and its streets an:d boulovards are 80 profusely plantod with trees that, according to very reasonable estimates, the death rate luas bean theroby reluced from 1 in 34, as it formerly was, to 1 it 39 as it now is.

Added to the beneficial effects produced by these trees in the absorption of deleterious gases. is the slinding of gutters and roadways, which materinlly retards and prevents the action of the sun in producitig noxious fermentation. 'The ronts ot the trecs also take up large quantitian of such matters as are washed tes the rains into the interstices of the pavements. In adilition to these sanitary effects are the comforts derived from the shade of sidewalks. It is the glare of the sun upon these, when unprotected, which, duriug the tropical heat of summet, fives such an oven-like atmorphero to our strects and causes so many cases of exhausion from heat and the often fatal sun-stroke. Last, though not least, the beauty of our cities would be greatly enluanced by this tree-planting; and walking in the stroets during the lootter parts of the day would be made less wearying than it now is. In nono of the cities of the Uuited States has proper consideration been given by the authorities to this simple and not costly means of adding to the geueral comfort and lealth. Tompkins Square, in New York City, is an instance on the other hand of downright ignorance and stupidity in this respect. Situated in the most densely populated portion of the eity; surrounded by tenements filled to repletion with artisans whose lahors are carried on in their own rooms or in the close and confined atmosphere of neighboring factories, it has been almost entirely denuded ot trees, and its surface covezed wich a cement pavement, which, oll a hot summer's day, erolves a degree of heat only gurpassed by the furnace spokeu of in the Book of Daviel.

Anoluer instance. in the same city, of iguorance among men from whom we would least expect it, is exhibited is: regard to the sunken lots known as the Huarlem Flate, extr cioing from the Third avenue to the Fast liziver, and from 92nd strect to 105 th strect. $\Lambda$ large porion of these flats had been filled with garbage, ashes and other delris of the rity, to a def: a of several feet, tho abomiluble and poisonous odors and gases arising from which proved unbearable. To pat a stop to this filling, legal nction by the Courts and the Board of Hea!th was invoked, and the result wrs the application oi iujunctions and aisiufectants, though with small effect. Planting this poisoned ground with sanflowers would have prevented the nuisance, while the crop of seeds would have more then repaid the
expense. The medical men who airected the diainfectumt application wore undoulitedly of high standing in their protession, but they knew little of botanical science or the practice of horticulture. Such instances show couclusively that Botany and Ilorticulture have their use in the every lay needs of mankind and are not, the one merely a dry science, and the other ua elegant amusemene.

The Colonial Farmer, of Fredericton, after giving a full nccount of the recent Anumal Meeting of the Inlifax County Agricultural Steciety, offers the following observations:-

We are glad to perceive that so great an interest is taken in Agricultural affuirs in the sistrer Province; that geutleman holding high positions in socie:y and in the Civil Sarvice do not consider it beneath their dignity to give their sympathy, und when nccessary, more sulstantial aid, towards elevating aud advancing this grent interest. The improvement of the Stock of the country appears to be the great aim at present, and is indeed of the highest considoration, as without it, very littlo successful farming can be arcomplished. The position which Princo Edward Island sustains to-day as a grain producing and Stock raisitig country, is largely due to the wise provision coade by the Government for a Stock Farm, and although there are no direct relurus or profits arising from it, still it has been the means of increasing the wealth of the country generally. The farmers of that favored Island have been able to secure at very litule cost, the very best breeds of cattle, and the neighboring Prosinces have looked towards it frequently as the source from which to replonish their Stock. The effect of all this i-, that while Priuce Edward Island prounily boaste of possessing better Stock thac any of the other MLaritime Provinces,many of the tarmers are wealthy enough to onjoy some of the elegaucies and luxaries of life, and thus return in the shape of taxes to the Treasury, a sum equal to that expended by the Government for the purchase of Slock, and is sustaining a Breeding Farm.

Mr. J. J. II. Gregory of Mrrblehead, Mass, has lis annual advertisement in our columne Ho was the original iutroducer of soune of the best vegretables now found on every table. Ho comes this scason with a now squash, and a number of tempting specialities, some of which aro firely illustrated from engravings taken frow photographs. The fact that so many of his varicties of seeds are of his own growing, is a golden fact for farmers and gardeners.

