"because the quick lime sets free the animonia con-valuable fall feed, or "aftermarth," as it is sometimes tained in the guano, and causes it to escape into the air." He observes, also, that "quick lime will, in the same way, drive off the ammonia contained in liquid manure, is not so highly nutritious as some of the other species. and in horse or farm-yard dung." Farmers who have Its fragrant properties consist in its containing benzonic bought poudrette that has been compounded with fresh | acid, a substance which is well known to possess a pelime, have often complained of its inefficiency.

T. Sedgwick, a writer in the English Agricultural can be distilled Gazette, says—"The employment of lime with dung is sant perfume. a most baneful practice, as it renders the ammonia caustic and volatile, to the greatest degree, and causes the loss of the most energetic portion of the dung. When lands require lime, it should be applied separately, and avoid as much as possible its contact with the Hence it is an object with the farmer to take advantage dung."

half its weight of carbonic acid. In the process of burn- but also any other materials which will render the proing, the carbonic acid is driven off; but the lime has a ducts of beef, butter, and cheese, more grateful in quaconstant tendency to return to its original condition by lify, and consequently more salcable and profitable. the re-absorption of the property it had lost. Animal | This can be easily done by mixing the seeds of different manure contains ammonia, combined with carbonic grasses, when sowing. We presume all the varieties of acid. When fresh lime is added, it attracts the carbonic | seed required for the above purposes may be obtained acid, which, uniting with the lime, sets the ammonia at the several seed stores in Boston, New York, and free, and it escapes .- Albany Cultivator.

A MIXTURE OF GRASSES .- Our farmers are now laying down much of their ground to grasses. Clover and herds-grass are, nine times in ten, the kinds and the only kinds sown, whether for mowing or pasturage. We have ever contended against this mode of being confined to only these two species of grass, and have always advocated mixing together more varieties. It ought to be done in either case, whether you wish to confine your land to mowing for the hay only, or where you wish to turn it out to pasture. Each separate species of grass or plant, used for forage, has some peculiar property or ingredient which is valuable in producing certain qualities in the beef, milk, butter, or cheese, which is manufactured from it. The white clover, for instance, is said to produce more caseine, or cheesey matter, in the milk of those cows that feed upon it than most other grasses. Some grasses give peculiar flavour to the butter, and others give out a pleasant fragrance to the hay, which is communicated more or less to the milk. The red-top and the orchard grass should be mingled in with herds-grass and red and white clover. There is another grass which is not very abundant with us, which should be more cultivated as an ingredient of our pastures and mowing fields. It is called the sweet scented venul grass. It is what botanists call the An-thoxanthum Odoratum. It is a native of Europe and was introduced into this country, and has become more or less scattered about our grasses. It is very fragrant, and when a little of it is cut, gives a delightful flavour to the new mown hay. It is an early grass. A writer some years since in the Farmer's Cabinet, speaking of the water carried to them. The result was, that there its scent somewhat resembles vanilla. It grows from secreted, of about one pint per diem for each cow, or a foot to eighteen inches high. Its stem is very small nine pints, at five cents per quart, or two and a half and round, with a few long and slender leaves. Its cents per day. This will leave a net profit, in favour of is often highly charged with its scent. As we have so the usual before said, it is an early grass, and of course ripens this region. Besides to portion to be sown for the earlier supply of pasturage, more comfortable, and the labour of turning them out while others will come on in succession. It accommolinto the yard and putting them up again, was more than dates itself-very well to different soils.

upon pastures in which this grass grows, has in the third of which was turnips. earlier part of the season a peculiarly pleasant flavour, grass, however, comes on again in the fall, and it makes - American Agriculturist.

called.

A chemical examination of this species shows that it culiarly aromatic odor. It is stated that an essential oil can be distilled from the grass, which will afford a plea-

It is not strange, therefore, that the butter should contain a portion of it, and partake of its fragrant qualities. We know that milk will contain the odoriferous particles derived from turnips, onions, garlic, &c., &c. of the knowledge of such facts, and mix his grasses in The effect of mixing lime with animal manure, may such a way that he shall not only obtain a supply of the be explained as follows:—Lime-stone contains nearly nutritious matter which the several species may contain, other large places .- Furmer.

> VERY IMPORTANT TO FARMERS.—Turnips may be liberally fed to milch cows without imparting any unpleasant flavor to the milk or butter, by the following process:-Place the whole turnips into a steam box. with chopped hay, straw, or corn fodder, and steam them until they are soft. There should be some apertures in the top of the box, in order that the steam may escape whilst they are cooking. As soon as they are soft, the "escapes" should be closed, and the steaming process continued until the material with which they are steamed is perfectly saturated with water and the flavour of the

By this process, all the strong, unpleasant flavour of turnip is removed, and a palatable one imparted. In connexion with this experiment, I made the following invaluable one in testing the comparative value of cold and warm food, and drink for milch cows. The experiment was conducted thus: a herd of nine cows in a stable were fed with food, prepared as above, and allowed to cool before it was fed. The cows were turned out into the yard to drink cold water, where they remained some two or three hours, morning and evening, in the cold air (the weather being very cold.) The food was given in the stables, and the cows remained in all night. The milk was carefully measured for one week, and the amount of feed given, noted. The succeeding week the same amount of feed, prepared in the same manner, was given warm, the stable temperature was kept above freezing, and the chill taken off the water, the cows being constantly kept in the stables and the prevalence of this grass about Philadelphia, says, was an average gain, or increase, in the amount of milk odor, said he, is sufficient to distinguish it from other the warm stable, food and drink, of about thirteen cents grasses found in our pastures. When in blossom the air per day of the nine cows. or about \$4 per month, which is the usual wages paid a common labourer in winter, in

Besides the above advantage, the cows were much that of carrying the water to them, as they required but It is found that butter made from cows which graze little, being fed with moist steamed food, about one

I have also fed my swine with warm swill during the and when this grass declines, the flavour declines. The past winter, in which I have found a decided advantage.