We have said that it is a part of the charncter of a species to produce the same from This characteristic is retained even where the sport (as gardeners term it) into numberless varieties is greatest. Thus, to return to cherries, the Kentish or common premazzard another, and although a great numbet of varieties of each of these species have been produced, yet there is always, the likeness of the species retained. From the first and from the last the sweet and lucious Black-Hearts; but a glance will show us that the duke cherries retain the distinct dark forflavour, shape and colour as the original species; and the heart chernes the broad leaves and lofty growth of the mazzard. So too, the current and gooseherry are different species of the same genus; but though the English gooseberry growers have ruised thousands of new varieties of this fruit, and shown them us large as hens' eggs, and of every variety of form and colour, yet their efforts with the gooselerry have not produced anything rescubling the common current.

Why do not varieties produce the same from seed? Why if we plant the stone of a question to the practical gardener, while his very day experience forces him to assent to demoralising. the fact.

We are not sure that the vegetable phisiologists will undertake to answer this query fully. But in the meanting we can throw some light on the subject.

It will be remembered that our garden varieties of feuits are not natural forms. They are the artificial productions of our culture. They have always a tendency to improve, but they have also another and a! stronger tendency to return to a natural, or wild state. "There can be no doubt," says Dr. Lindley, "that if the arts of cultivation were abandoned for only a few years, all the annual varieties of plants in our gardens' would disappear and be replaced by a few tendencies, therefore, the one derived from T. G. will please distribute. nature, and the other impressed by culture, it is easily seen how little likely is the progeny Numbers will be sent. of varieties always to respect in the same

Again, our American farmers, who raise a fields. Wathout this precaution they find on planting the seeds produced on the yellow corn plants, that they have the next season a progeny, not of yellow corn alone, but composed of every colour and size, vellow, white and black, large and small, upon the farm. Now many of the varieties of fruit trees have a similar power of intermixing with each other while in blossom, by the dust or pollen of their flowers, carried through the air, by the action of bees and other causes. It will readily occur to the reader, in considering this fact, what an influence our custom of planting the different varieties of plum or of cherry together in a garden or orchard. must have upon the constancy of habit in the seedings of such fruit.

tasted a lucious fruit, plants, watches and rears its seeding, to find it perhaps, wholly different in most respects. This is the influence of grafting. Among the great number States, there is found occasionally a variety, perhaps a plum, or a peach, which will nearsome fortunate circumstance in its origin, unknown to us, this sort, in becoming improved. still retains strongly this habit of the natural or wild form, and its seeds produce the same. We can call to mind several examples of this: fine fruit tress whose seeds have established the reputation in their neighbourhood of fidelity to the sort. But when a graft is taken from one of these trees, and placed upon unother stock, this grafted tree is found to its singular power of producing the same by seed, and becomes like all other The stock exercises some, as yet, unexplained power, in dissolving the strong natural habit of the variety, and it becomes like its fellows, subject to the laws of its artificial life.

When we desire to raise new varieties of fruit, the common practice is to collect the seeds of the finest table fruits-those sorts whose ments are every where acknowledged to be the highest. In proceeding thus we are all pretty well aware, that the chances are generally a hundred to one against our obtaining any new variety of excellence.

In our next number, a complete description of the art of Grafting and Budding will be given, which, by the belp of wood cuts,

will make the thing so plain, that we trust but an extensive circulation can save us from we shall see the good results of the diffusion loss. Our friends, therefore, and those who of such useful information, in the improve- wish to see a respectable farmer's journal ment and renovation of many an old good-for- flourishing on Canadian soil, will please tenothing orchard in the country (too many of member the necessary conditions. The back cherry is one species, and the small black which we could easily point out), as well as numbers can be supplied to subscribers, and in the planting out of numerous young it is desirable that all subscriptions should orchards. It is a common opinion, and commence with the first, as we shall not conmany cuming old grafters endeavour to keep timue the publication more than a year unless we may have the large and rich. Mayduke, it up, that none but practiced hands can per-, we obtain a sufficient number of subscribers form this operation. This is a gross mis- to exhaust our present edition. We have take; all that is required is to read some heard of some cases in which our terms have lage, and, in the fruit, something of the same good treatise, or description, and then exer-been inisunderstood, Single subscribers cise a little ingenuity.

TO CORRESPONDENTS.

M. S. We will make inquiries, and give i you the information in our next number.

The remarks of our Markham Correspon dent, on Letteries, are very good. We are sorry they came too late for insertion in this number. It is strange that respectable persons can be found to encourage these nusances. They surely do not see them in their a Green Gage? This is always a puzzling proper light, or they would not for a moment therefore hear from them. allow their children to engage in practices so

> J. J. B., Thorald, will not forget his promise. Could be not form a club of 12? Be good enough to try.

> E. W. B., Comband, received. May we not ask him the same question! We have no doubt he will be satisfied.

> W. H., Mosa, received: we did not get your letter in time to acknowledge it in our last number.

article below.

T. G., Kingston, received, with its contents. The 12 copies will be sent, and also a original wild forms." Between these two few extra copies of the first number, which

J. P. P., Uxbridge, received. The back

Other persons, who have sent us their names and subscriptions, will know we have received number of kinds of Indian corn, very well their letters, by our sending them the subsequence that, if they wish to keep the sorts numbers. It would consume too much space distinct, they must grow them in different to notice all letters; therefore we shall only to notice all letters; therefore we shall only acknowledge such as request it, or contain being too green, the value of the crop is applied with manifest, but various advantage, something peculiar.

All these manures and stimulants I have seen applied with manifest, but various advantage. My own experience has been rather in favor something peculiar.

CANADA FARMER.

February 26, 1847.

We are gradually receiving the names of mixture. This will possibly in some places, bones, which are ground in Philadelphia, and Subscribers to our paper, but not in such be rather difficult todo. In such a case the who uses or consumes upon his own land, numbers, or so fast as we should like to see kind desired must be picked from the mix- the straw and hay of his own fields, selling them. We feel very well-satisfied that when ture. If the common White Pea is the va- only a proportion of his grains and fat cattle, the character and ments of our journal beginney wanted, it may be easily seperated may keep his land in an improving condition, nerry together in a garden or orchard, come known, it will receive that support from others, by taking a tea-tray and stimulants, lime and plaster, and used look no placing of such fruit.

But there is still another reason for this and which the important interersts we advoable so perplexing to the proving who having to the land the abit so perplexing to the proving who having the standard of those invaluable stimulants, lime and plaster, and used look no farther for manures.

This process of returning to the land the habit so perplexing to the novice, who, having cate, demand for it. There are more than White Pea (which if it has fully ripened culm or straw it has produced, is recuperative, three hundred townships in Canada West, will be as round as a shot,) will roll and is a wise provision of nature, without and if only one dozen names were sent us to the other end, and thus by a little pains which, all lands would have a rapid tendency from each of these townships, we should be may be obtained without adulteration. If of seeding fruits produced in the United able to go along smoothly in our career, and it be too much trouble to procure all the could afford to Liy out a much larger amount (seed that is required by this process, let a $\frac{1}{4}$ ly always reproduce itself from seed. From upon the embellishment and improvement of small putch of good ground on which no out the country, in the farmers stables, is the find a dozen persons in each township who can read, and who wish to read, and are willing to pay one dollar for the privilege of reading a paper devoted to the especial purpose of informing, improving, and pleasing them, and of ascertaining, explaining, and advocating their interests. Only let a few persons of that class, which we trust is to be found in every township, and is ivery size. found in every township, and is increasing the information supplied by the Gazette, and daily, who know the advantage of a ready as it may be beneficial to some of our Agricultural readers, we willingly give it a place in farmers of the daily, who know the advantage of a ready farmers of the country, exert themselves in informed by a friend largely engaged in such their own neighborhoods, and our desire will, transactions, that the best pea is what is be accomplis'. Several Clubs have been called, locally, the "Small Canadian White already formed through the zeal of two or three individuals, in the townships adjoining this city, and we hear of others in progress at a distance. By these means the paper is obtained at a price so low, in comparison with other publications, and so disproportioned to

the expense of carrying it on, that nothing!

been misunderstood. Single subscribers very few years would suffice to "do us up in must send us seven shillings and sixpence. The matter of tuel as we are already somewhat We have received a few letters continuing." straightened," and under the necessity of pay-We have received a few letters containing ing roundly for everything in the shape of wood, only I dollar. If the writers mean to take the whether defligrable or not. paper for a year, they must send the balance i. There are few eyds, more to be lamented than or the names of 11 subscribers more. We the destruction of the growing wood. In an abla or the names of 11 subscribers more. We speech delive ed a few years since before the may remark that we do not require subshis. French House of Commons, M. Thuan, in relabers who transmit us the money by post, to pay postage. Some to whom we sent the the destruction of wood." first number have imagined that if they did . "Prance," observed the statesman, "will disnot return it, they would become subscribers, (appear as many flourishing countries have, if she but our terms are in advance, and we must ed forests in Asia Minor. It is only the abundance

CANADIAN WHITE PEA.

of peas of various excellence, as to quality Pea. It is the only kind we have met with that is suitable for making that delicious, wholesome, nutritious and cheap dish, Pea-veterately waged against our native forests. Soup. We have enten soup made of other varieties, but it was strong and disagreeable. J. J., Paris, received. Please read the It would appear from the following, which great evil now is, that our farmers allow the button makers, and numerous other tradescounted as many as six in one handful taken the soil, what was recently but a public nurout of a farmer's bag in our market. This are coming into extensive use. All that, adpecially for exportation.

obtain the highest price for their produce, sequence is, that bone gatherers are constant-to procure the proper variety without cd- by travelling far into the interior collecting

Pea," that it is, of all others known in this country, the most prolific and profitable, and that it brings by bulk nearly or altogether the came price as the marrowfat pea.

The price of course depends entirely on that in England, subject to insurances and freight. In ordinary years it may be taken at from 2s. to 2s. Gd. the minot—a measure the

be of good quality, may be taken at 67 lbs., but at present the price is no less than from 4s. 6d. to 4s. 9d; and peas are unquestionably the most profitable crop grown.

From the Germantown Telegraph. DESTRUCTION OF WOOD

A aged veteran in the cause of Agriculture, bserved to us the other day, that a single neighbourhood in his vicinity, and within the compa-ratively short period of seven years, no tower than three hundred acres of well-wooded forest land, had been cleaned of its original growth

He very reasonably infers that at this rate a ery few years would suffice to "do us up "in

of forests and water that enables Clinic to sup port her three hundred inflinis of population, because in this empire, there are more trees plant, ed than destroyed. Spain so highly cultivated, We have heard of a great many kinds and so densely populated, in the time of the Ro-peas of various excellence, as to quality mans, the Moors, and even Clarles the Pittle. of peas of various excellence, as to quanty owes her desolate aspect at present, to this waste and yield, but in our own experience, we of wood." The same is the case with most of the have seen nothing to equal the common White countries in A ia, and the same inquestionably.

Does the cube land near hour parts of the case in this country, unless

MANURES.

It is only of late years that science has diswe clip from an Exchange paper, that the White Pen is most sought after for exportation, and is considered the best by Montreal use of the farmer. A commencement has dealers. If so, it will be good policy to culti- now been fairly made, and the glue-boilers, dealers. If so, it will be good policy to cutte tobacco manufacturers, color manufacturers, vate this variety in preference to others. The sugar refiners, wood combers, skin dressers, I different varieties to get mixed. We have men, are made to contribute to the fertility of all arises from negligence, and besides the ded to our plaster and line, with the ordinary evil of not ripening at the same time, some manures of the barn-yard, certainly give kinds shelling out in the field and others ground to hope for great ultimate benefits. of a compost of marsh mud, with plaster, line, We would advise those who wish to be our heavy rich soils, produced any thing like considered neat farmers, and who desire to the effect described in England, and the con-

DEFECTIVE STABLES.

One of the greatest defects still existing throughthe paper, than we otherwise dare venture to pens have been grown, for two or three purpose of carrying off the urine of the stock into thus greatly enhancing its value to the years, be set apart for the purpose of raisrender. It will surely not be very difficult to ang seed for the next year. Peas which have iday to the grass and clover crops. We add use all find a dozen recovery to each town have have been the find a dozen recovery to each town have have been the start who have not their stables thus formed, to remedy

> The average stale of a cow is from 900 to 1,200 a l'ons a year, according to size; that of the horse 1,1. O to 1,400. Pound for pound, thus liquid is c. more valuable than solid manure.

The Chinese and Flemings save and apply all We are | animal lique. ""th the atmost care. They would as soon let their . "er coins be lost as this pre come fluid; and they a. the best farmers in the world. The Germans, Freich, and English, are now rapidly following in their foutsteps, Millions of dollar' worth of manure are annually throws away, or milli red to waste through the United States. When shall we become as economical in saving, and as enlightened in applying these enriching substances as our transatiantic brethren !-- American Agriculturiet.

In Milwaukie land district, in Wisconsin 700,000 from 2s. to 2s. 6d. the minot—a measure the acres of land have been sold within twelve weight of the contents for which, if the pess months, leaving but 500,000 subject to entry.