

The Field.

Bushwhacking.

Weeds have been defined to be 'plants out of 'is mighty and will prevail.

Place, 'and in like manner we may treine posities to be shrubs out of place, or thickets of italic trees gowing where trees ought not to gove They we had not to come ler about the prevention of bashes ing where trees ought not to gove They we had not to come ler about the prevention of bashes are; and the only question is how shall we get ind of them? We must like weeds, annuals and blethand, with deliner route desaily cradicated, but long-rooted and tough-rooted governments, these willing still to quit the ground desailed. We once asked an aged in half physician and half farmer, and keen in his observations on both professions. How can we get rid of the willout and other bashes that are excepting in upon will often sprout out where one grew befores

Bushes, has everything else that God has harden. Bushes cannot live on air alone. Their roots go more deeply and widely in sear h of first the rise and process at the transfer and trunk, and it separated monly supposed, and every tuorn-basic by the fear, i and every hardback in the pasture is a thief stearthily robbing the farmer of what is not its due. It is an alarming feature of this, as of all other himle of thierms, that it increases aspelly onless visited with righteous rembation. One successful pickpocket no more certainly gives encouragement to a dozen other evil spirits than does one well root I birdla k to a community of hardhacks. Busines are about in their nature. They do not love solutide. Their tendency always is to live in clusters, and they fully understand the command to multiply and replenish and fill the earth.

What is very singular about these thieving bushes is that they are so sly and manuating that farmers are very apt rit to notice their depredations till they have pretty full possession of a field or tonce.

We have seen hardbacks and alder-bushes slowly but surely extending their dominion over a farm, while the owner looked on, and new the frespass year after year, with apparently no indignation against the maranders. We have even heard the wonder expressed why these hardhacked pastures did not carry so much stock as formerly, and the cause assigned so old age, degeneracy, or drought, rather than to the obvious one that grass and bushes cann t ceculy the same space at the same time,

We have no doubt about the degeneracy of these old busheridden pastures. The land has become exhausted of some of the elements necessary for the growth of grass. They have been carried of in the milk, beef, and wool that have been sold from the farm. As the pasture could no longer produce a good crop of grass for the want of potash, lime, phosphorus, &c., from which it is compounded, and as the land dislikes to be idle, it turned its attention to the growth of bushes, as the roots of these can run deeper in search for food than can the roots of grass of. This is simply nature's plan for the rotation of crops. A little bone dust, or plaster, or some wood ashes, might have kept the pasture in good heart for We have no doubt about the degenera yel some

the production of grass, and thus barricaded the land against the encroachments of the bushes. If our observation is not greatly at fault, there are few weeds or busies that can find an abiding place in well-man-ure I, well-swar', i land. Give grass a good chance and it will choke out almost everything else. Grass in the vegetable world is like touth in the moral; it

willow and other busines that are cheeping in upon or cultivated fields? Cut them down in the old of the moon in August," was his curtivaly. We are Bushes, has everything the that tool has high, or "cultivated fields?" Cut them down in the old have, I think, appropriate piece and use; but their cut his moon in August," was his curticiply. We are place is not by the side of the distantence to r in the meadow or pastare. Here they are occupying that the best time to kill bushes, by cutting, as when land which may be devoted to better purposes.

Bushes cannot live on an alone. Their roots go more that the best time to kill bushes, by cutting, as when land which may be devoted to better purposes.

Bushes cannot live on an alone. Their roots go more than the vitality of the total mostly in the forest continued. that they are the least able to send up that they are the least able to send up that they are the least able to send up to this maturity of growth is very likely one in August, but whether the moon is young, madde aged, or old, we should not stop to inquire.

We have our villows and hardhacks after they and attained their full growth for the season, as I they say ambed to our rough surgery. One man out them in the wanter and in the spring, and his bush-whack-ing was so much labor lost. We have found cutting ing was so much labor tost. We have found cutting bushes to be very analogous to cutting weeds. It, then, we can while in vigorous growth, and before they have blossomed, they start up again with renewed resolution to accomplish their mission in life—the production of seed; but, cut after the blossoms have well developed, their viality is rarely suincient to produce much show of second growth.

to produce much show of second growth.

It greatly conduces to the extirpation of bushes, after they are cut, to pile them over the roots, and, when they are dry, to burn them. This cauterizing when they are dry, to burn them. This cauterizing is pretty certain to perfect the work of bushwhacking, and there is generally no better mode of disposing of the vile trash. The ashes will be some small compensation for the damage done by the bushes. In the case of hardhacks, which in some parts of the country have usinped such dominion over the land, they can best be cradicated by ploughing, if not of too rank a growth, and after cultivating a hoed eron for a year or two, of buckwheat: if the soil is

or to two than a growth, and after cuttivating a hood crop for a year or two, of buckwheat; if the soil is not sufficiently mellow for the hoo, re-stock with grass-seed. So long as the land is kept under the plough or scytle, this peaky back will not put in an appearance. It is only in pastures that hardbacks find their home. There they luxuriate—sometimes to such an extent that atthe causet reports them and of extent that extile cannot penetrate them, and, of

Experiments with Oats.

The following extract is from the London (England), Agricultural Gazette :

The first year we got the best sample we could of black oats of 40 lbs. weight, and sowed them to the extent of a sack an acre; and the result of this first trial was about 30 bushels to the acre, weighing 38 lbs. to the bushel. Of course the grain was thin, and there was also an increase of that limited hairness there was also an increase of that limited hairiness at the base of many of the cones which point to a retrogress of from the characters of the plumper seed. Our most trads were with the white oats of the weight of 47 lbs. For bushel; seeded a sack to the acre. The results in this case were 40 bushels to the acre of a good even seed, but weighing only 45 lbs. For bushel, that is, 2 lbs. less than the sample sown. The mast year our oat experiments were considerably modified, for we had determined to sow but two bushels of seed instead of four bushels to the acre; and casting about to get the beaviest said in the and casting about to get the heaviest seed in the market, we procured a sample weighing somewhere about 47 lbs. per bushel. These were sown at the rate of two bushels to the acre, and resulted in a crop of nearly 40 bushels to the acre, weighing as much as the sample sown. Now, it is worthy of remark that a neighbor's out crop of the same year was mark that a neighbor's cat crop of the same year was not only of the nature of an experiment, but it was also a lesson on the subject of thick seeding which we shall not soon forget. This crop, like our own, was the white Canadian out, sown in a field of the same kind of soil, but, if anything, the land was of better quality. On seeing the field while the crop was being cut, the first remark was, "You have seeded too thick;" and sure enough, upon the mistaken proposed that the revendent runt it in you can't sected too thick; and sure enough, upon the mistaken principle that "in you don't put it in, you can't expect to get it out." more than a sack an acre had been sown, and thus, while in our own case the staws vere remarkably regular both in height and size, the average of the latter being that of a good-sized geose quill, surmounted by a paniele of from 100 to 300 grains of corn, the majority of the culms of the thall sown a ron construintly weath a few of the of the thick-sown crop, growing beneath a few of the taller and larger growth, might be compared to crow quills, their needs numbering from five to twenty. These facts, then, tend to show that if a poor starved seed is used, it may only make matters worse to sow too thickly, as many are apt to do; and the result of last year's out growth is a convincing proof that it is not a large number of small stems which make up a good crop, but a comparatively small nummake up a good crop, but a comparatively small number of fully developed ones.

Shade Trees.

Usually, at the spring of the year, it is the custom to inquire what trees to plant. Few know much about these things. They have a sort of an idea that something is required to protect them from the heats of surmer, but what is the best or even good for that purpose, they do not know at all.

It is all very well just at the planting time to get the information what to plant, but now, when the trees are in leaf, is the opportunity to make personal acquaintance with the facts, so that when the season comes we can act understandingly. This is also the best season to study the subject, as we can fully appreciate the luxury of a tree's grateful shade.

The worst thing about taking up the subject at this season is that it will give so much encouragement to those trees which grow fast. For it must be confessed