Grasses and Forage Plants.

Curing Corn Fodder.

Many farmers who have no difficulty in drying the common course corn stalks, from which ripe cars have been pulled, are disappointed and vexed to find that they do not succeed in curing thickly sown corn stalks that have been grown for fodder purposes. They wonder why the thin, spindling stalks do not keep at least as well as the thicker ones. There are two reasons for this. One is that the thin stalks lie more compactly together in a stack or mow than the coarse ones do, and are therefore more apt to ferment and get mouldy. The other is that the stalks which have repealed ears are much less surcharged with moisture than those which have retained all the succulent juices within themselves.

Ventilation is the great thing to be secured in the preservation of corn fodder. If placed in stooks, well bound at the top, it may be left in the field until very late in the autumn, so as to give the searching winds opportunity to dry it thoroughly. Some leave these stooks of corn in the field, and haul them as they are needed for foldering turing the winter. It carted to the barn-yard and sucked, thorough ter. It carted to the barn-yard and stacked thorough ventilation must be secured by some device or other, else the crop will be a loss. A stack may be built on a platform of poles raised a little from the ground. An easy method of securing ample ventilation is by means of empty barrels, furnished with handles, or a cross rope, and drawn upwards as the stack is bu 't. Other expedients to accomplish the same end may resorted to, but effectual measures must be adop ...l to provide circulation of air, or the to ider will spoil. It is easy enough to cure corn stalks in such a way as to have them green, fresh, and toothsome, if the proper means be taken, and there is all the difference in the world between this fodder when well and when ill-cured. In the one case it is a sweet, natritions tood, while in the other it is mouldy, badsmelling, repulsive, and worthless.

A Crop of Chess Hay.

Farmers in the United States are very much in the habit of writing the local as well as the agricultural journals, giving details of their farm practice and experience. This is a good thing, and tends to awaken interest and spread information among the tillers of the soil. A farmer in Pike county, Illinois, publishes the following item in the local paper. It is not only interesting as narrating how a crop of weeds was utilized and a crop of clover saved, but in its bearing upon the much voxed subject of the spontaneous growth of chess, it is worth reading and considering :-

"Three years ago I had twenty acres in wheat that I seeded to clover, getting a fair stand for the latter. Last year, and the season previous, I pastured the clover. Unfortunately, last season I was obliged to use my pasture too late, and the consequence was my clover drew out and froze out in the winter, and this spring the crop was entirely gone I determined, having more ground for ploughing than I could use, to let it ite, grow up to weeds, and whatever clover might come turn it under early and re-seed to w eat and clover, thus losing one year's use of the ground Instead, however, or growing up to weeds there came up as full a crop of chess as if it had been regularly sown to chess, and I have just timshed moving and stacking, and now have in stack over twenty tons of alm st entirely pure chess. I cut it green, and it consequently did not scatter out, and made the heaviest hay I have handled for many a but no weeds, and my ground is as well seeded to clover as I could desire. And now about the chess. clover as I could desire. And now about the chess, distant from its fellow, whatever the distance apart I can readily understand how the seed could be in may be, which must be decided by experience and the ground and germmate under favorable circumstances, but the quantity that thus lay there for three years, and then grew, surprises me. And why it had not germinated, and been eaten off by the cattle during the two years it was in grass also surprises me. Be it as it may, I have got the crop, have not lost the years use of the ground, and the field is nicely settled to clover—better, in fact, than it was at first."

Experiments with Fertilizers on Grass.

Mr John I Carter, Superintendent of the Eastern Pennsylvania Experimental Farm, sen is the Bucks County Intelligencer the following report of experiments made with artificial manures :—

Plots containing one-eighth of an acre were laid out on ground in wheat last year, seeded to timothy and clover, and the grass well set, though principally over. April 10th, 1871, the following fertilizers were sown at the rate of \$9 per acre, except the plaster and salt. The grass was cut June 26th, and out up in good condition June 27th, resulting as follows:

No of	lbs of	lbs of
Plots.	lizers.	
	mzers.	# acre
1. Nothing		6.0
2 Pater,	1 peck.	650
3. I P fao nas Groati Baio.	5 1 ibs.	609
4 Pare Pars mide of Farmes' Bine	45	735
5. S. Cirolina Dissolved stock	75 "	700
6. Suiph to of Amm wild	171	650
7 Natrate of Solu	2 4 "	675
8. Murate of Potish	41 "	6.1
9. C II North a Animal Dust	4, "	624
10. Com non Silt	1 peck.	
11. Mix of Sulp Ammonia, 6 lbs. North	. 1.00	
Sody, 7 fbs., S. Carolina Dissolved		
Rock, 25 lbs		દગ
1 12 South Sughne took, double quarter.	Lou "	7.5
13. Nothing		650
14 Equal values of Sods and Pottoh		600
A 13		

Additional experiments were made with plots upon which fertilizers were used when they were in wheat. These plots were retained to test the continued action of the fortilizers. The third column shows the yield of the fertilizers. Tue third cold of wheat in 1873 on these plots.

		lbs. of	lbs. of	lbs. of
No. of Plots.		fert.		wheat d
		lizers.	Lacre	acro.
1.	Bone and Ash Compost.	S) worta	1 11	2 53
2.	Dissolved S. Carolina Rock .	••	79)	2571
3.	Kamt	••••	590	223
4.	Ville's Wheat Food		620	251
	Nothing		493	19)
O.	Ground Bone on surface	•		
	broadcast	••••	708	2:21
7.	Ground Bone, half broadcast,			
	half dri led in with wheat,		716	238
s.	Ground Bone, all drilled in			
	with the wheat		710	252
T	amender C. I.I. are Albert to			

In another field, on thin ground, where a peach orchard had previously stood, were plots testing manner of ploughing. When ploughed for corn, eight plots were subsoiled sixteen inches deep; a corresplots were subsoled sixteen thenes deep. When ploughed for wheat the subsoil plots were ploughed with double Michigan plough, twelve inches deep; the other plots with common plough, six inches deep, other treatment alike in all respects.

A Few Remarks on Turnip Cultivation.

It has frequently been said, "Oh, there is nothing new under the sun," and I am not so vain as to think that I know more than everybody or anybody, but, as a woldsman of North Lincolnshue who has had twenty years' experience, perhaps I may be able to show something in a new light. Now, it is my opinion, and I hold it as a rule in general, that land only requires twice ploughing for turnips. It there is a little conclusion (ir, as it is generally called in Lincolnshire, "twitch") let it, if possible, be got out in the autumn by digging it out with a manure fork before the land is plougaed at all after the harvest, as the best and also the cheapest way of getting rid of it, and carting it into a hear to rot The remaining part of cultivating to be done by the Benthall's broadshare, drag harrows, Cambridge roller, &c. With regard to the druling I may say the drill rows here vary from 18 in to 21 in apart—I should say by far the greater part 20 in from one row to another, and set out and singled with a 9 and it consequently did not scatter out, and inch hos. Now, the principal point I wish to advance the heaviest hay I have handled for many a 13 this—that, as the turnip receives its nourishment. There is a small quantity of clover with it, and support from all round, as likewise the top o weeds, and my ground is as well seeded to spreads all round, I think each turnip should be equiwith regard to circumstances, nature of soil, kind of turnip sown, growing more or less top, &c But the turnip sown, growing more or less top, &c But the theory I advance is worth considering on the ground of economy in more ways than one, and especially with regard to horse-hoeing; for, being in straight lines each way, as soon as they had been horse-hoed one way over they could at oneo commather the other way, without having any afterations make with

suppose an acre of Swedes so plunted, with two turnips to every square yard of land, averaging 7 lbs. each, or a stone per square yard of land, averaging 7 los. each, or a stone per square yard; that would give 30 tons 5 cwt. per acre. But, planted on this principle, how far would they be apart? As it took me some little trouble to calculate this, I think perhaps some of your readers will the better remember it if they calculate the distance for thumselves. I shall he glad to hear the opinion of any person at all interested in this matter; and also to answer any question on the point so far as I am able.—Cor.

Sorrel.

This plant, Rumex Acetosella, is a very great nuisance on some soils, especially light, sandy ones, and is almost as difficult to eradicate as Canada thistles or quack. The best process we ever bried for its extermination is to make the soil as rich as possible, and then seed heavily with grain or clover, and so crowd the sorrel out. The Prairie Farmer says :

Sorrel may be eradicated the same as other weeds, Sorrel may be eradicated the same as other weeds, by summer fallowing, or by putting the 1 nd in some heed crop, the production f which will make it recessary to keep the soil clean. If the soil contains many seeds, it may be necessary to follow this course for more than a single year. Another method of subdaing sorrel is to put the land nto some forage crop and manures that will stimulate its growth. Rel or white clover are good crops, and lime and plaster good manures for this purpose, At one time it was believed that an application of lime was sure to kell sorrel, and at the same time was certain to sustain the growth of valuable plants. The fact that sorrel may be found growing in the crevices of ledges to kd sorrel, and at the same time was certain to sustain the growth of valuable plants. The fact that sorrel may be found growing in the crevices of ledges of lime rocks will disprove this theory. It is quite certain that the only agency the lime exerts is to sustain the growth of the plants which will overshadow the sorrel, and thus check its growth. It is a popular idea that the application of some substances will act as a poison to certain plants and as food to others, but the notion fields little to support the groups of observation.—Rural Home. it in science or observation .- Rural Home.

Securing the Buckwheat Crop.-Consult any experienced miller, and he will tell you that one great fault with buckwheat is its grit (dust or ground). This it gets by lying on the ground or in swaths, the rains spattering the dust against it when it is moist or mud, and hence adheres the more to it. This shuld be avoided, as it nurts both buckwheat and the flour. Cut and immediately set up in loose tanbound, sheaves, tied at the top to give it the appearance of a cone, so as to shed the rain. In this pearance of a cone, so as to shed the rain In this way the air will circulate through, prevent mouldings, and yet not dry so fast but the berry will have a chance to mature and ripin, for it is to be cut when part of the crop is yet in the dough—the largest part—and some still less advanced. If left till all is ripe, the crop will be late, and if heavy, will be twisted and lodged, and much of it will "shell" in harvesting. A clear sound crop is what is wanted, and not a dusty, with the late kernels dried, and hence shrunk instead of rounding out and maturing, as they will if put up in sheaves as soon as cut. Do not in any case le ve lying on the ground, and cut early, when the greater part of the graits are in the dough—Utica Herald.

CANADA THISTLES WANTED FOR MANURE. - An old man, not atraid of Canada thistles, writes as follows t. the Country Gentleman of September 17th :- "In your paper of September 3, 1874, page 563 there is a way told us by W. J. F. now to kill Canada thistles. the bought part of this farm in 1821, it being nearly all woods This timber was nearly all cut into cordwood for boiling salt at Salina. Of course the land was cleared slowly, and thistles got the start of me, but they are the poor man's clover. I wish I had every thistle in the state on this farm. I have turned thistle in the state on this farm. I have turned under, I presume, five tons of them to the acre when fully in the blow—summer fallowing and taking off 1,400 bushels of wheat the next year, from 35 acres, and not one bundle left unbound. This 1,400 bushels was put into shock in five days, with three enables, and hands to rake and bind. Those who aread thistles do not know how to not good out of will. thistles do not know how to get good out of evil. I have drawn wheat to Albany from this farm before the Eric Canal was made, this farm joining that ditch for a mile. A poor man must work and step quick to per form what I have done. I have sunknow than 20 tempor the formal than 20 tempor than 20 tempor the formal than 20 tempor than 2 more than 20) stones on this farm, some that would weigh more than twenty tons each, and am quite way, without having any alterations . make with smart yet, for a man born before the nineteenth cen-regard to the arrangements of the horse-hoe. Let us | tury.