

Make Manure and Save it.

We do not know which is most generally neglected, the making or the saving of mamures.

The farmers never seriously sit down to think how they can make manure. They feed their horses, cattle, sheep, and hogs, a cer- "Farming for the million," says: "In select- perfect tilth one-quarter of its bulk is air. A portion of this they know is retained in the body, mixed with more or less water. This we call manure. Put on the land, it increases the crops. So much is known. But what more is generally known? What is manure? What is its value? Ask the first farmer you meet, and see if he has ever given the subject told that these last named are mongrel, flop- can be but little doubt that deep and thorough plows under a ton of straw, if that is good manure, and he will tell you that it is not worth much. Ask him if he feeds that one ton of straw to cattle, if it is good manure then, and he will probably answer yes. But it is not. It is as much straw in the one case as in the other. If the original straw was worth very little as manure, it is certainly worth no more after it has been passed through the body of an animal. The animal adds noplant-food; in fact, it does not contain quite Pigs and chickens are the scavengers of the was that of reducing by its means the soil to portion of the food, although it is true that the greater portion of that which is removed has not much manurial value.

The vender of a patent apparatus for steaming food recently told us that the increased their way to the pig pens, and are converted fine as sawdust. But it has at length been the expenses of steaming hay, straw, cornstalk, etc. The poor man was evidently in earnest, but we could not help laughing at him. We tried to explain that if the food did not contain the requisite elements to make good manure, all the cooking in the world would not develop them. If a ton of straw or corn-stalks contain only 5 lbs, of nitrogen, the manure made from it can contain no more. dry and quiet. Give them regularly three English-the rains and frosts of winter folgest it, or do what he pleased with it, and he would have only the 5 lbs. of nitrogen. He could not make rich manure by steaming food that does not contain the requisite elements. "You cannot make a whistle out of a pig's till." "Yes I can," he replied, "for a wo-

argument. What we wish to urge upon the consideration of the readers of the Genesee Farmer is this: to make rich manure, you must feed rich food. The manure made from 3 bushels of peas is worth more than that made from a ton of straw. One ton of clover hay will make manure worth as much as that made from four tons of straw or stalks.

We must not be understood as underrating the importance of straw on the farm. It is a valuable article, indispensable to the successful and economical management of cattle or sheep. But do not suppose that straw or stalks alone will make good manure. John Johnston, whose successful practice we have so often referred to, is careful to preserve his straw, and have his yards well littered with it. But he feeds out large quantities of grain, oil-cake, clover hay, etc., and in this way makes rich manure. "What had you for dinner to-day?" asked Pat. "Beef and potatoes," replied his friend. "Faith," sa'd he, "an' that was just what I had, barring the beef." Many farmers are just as careful to preserve their straw as John Johnston, and their manure heap is just as good as his, barring the nitrogen or ammonia of the oil-cake, corn and clover hay.

"What grains make the richest manu: e?" Beans and peas make richer manure than any other plants we grow. Corn, barley, oats and wheat, about half as good: Clover hay next, but not far behind. Then ordinary hay, which is quite inferior to clover hay, and then staw, stalks, etc. Pea and bean straw make rich manure-one ton is worth three or four tons of ordinary straw for this purpose.

Having got the manure, save it. How is this be t done? Some say, draw it out and spread it on the grass land as fast as it is made. Some are careful to preserve it in cellars; and others erect she is. The great majority of farmers, however, keep it in open yards. This is the least trouble, and if the yards are properly const uc ed-the buildings all spouted, so that the manure in the yard gets no more water than the rain which falls on its surface -it can be preserved in this way w.thout loss. Let the droppings of the different animals be mixed together. Some farmers throw the horse dung into a heap by itself, and in this case great loss is sustained by excessive heating. Were it mixed with the cold, sluggish hog manure, this would be avoided, and both would be improved .-- [Geneses Farmer.

in portions of Illinois have recently been enor- verdure of the field will generally show with- of metals and materials, and an economy of vanced stages of the disease.

How to Make Pork.

During the late State Fair at Watertown two well known agricultural gentlemen were closely related to each other. So indeed, as examining the pigs, when one asked the other which was the cheapest way to make pork. They walked on, and a man who had charge does enable tillage, and tillage does al er of one of the pens, and had heard the question, composition-but as being operations of the turned to an acquaintance and remarked: "That's easy enough. Get a good pig and feed him well."

pork making, condensed into a single sentence. age implement of the future. And we had It should be painted on every pig-pen.

ing a pig look for a good square body and The old question again. "Yorkshire," says our friend from West Riding. "Nothing betsex," "Suffolk," says two gentlemen at once; contained in air and rain. while another claims the honor for the what an English writer says: "Of the vari- artific al. ous breeds and cross-breeds of pigs, it would In both these cases the useful lesson is well he again calledfor yourself. We believe in breeds; but it is and costly artificial means to imitate expennevertheless true, as a general rule, that "a sively their operation. well formed pig can not be a bad sort."

only that which would otherwise be wasted. as the deal is torn down at the saw-mill; kins-if not needed for the cows-soft corn, as hard and firm as wood, behind the tool as the waste of the dairy and the house, all find it advanced at work it was to lie as light and this point there can be no little doubt. does it without cost. The land is now torn-Whether it will pay to cook food for cattle is smashed up-or moved and thrown about by concentrated food.

eaten away half the pea. We believe good, Agricultural Gazette. sound, dry corn is as nutritious as peas. There is not much difference. Some say that One thing, however, is certain: the peas make the richest manure. There can be no doubt overlooked.

"Get a good pig and feed him well," So shall you have good pork .-- [Genesee Farmer. mannamanna

Lime and Salt Compost.

process-the principal conditions to observe are, not to use salt in such a quantity as to render the manure injurious to the crop to brine stand until cold before pouring it on the on the quantity of lime to be applied per acre, calculate the quantity of salt necessary to add to the lime, which should not exceed four hundred weight to the acre. The salt may be dissolved in water before being m xed with the lime-the compost turned over once or a good deal of attention We read in the twice, and, if convenient, earth or peat added. Revue Universelle: "The vapor of water has The act on of the lime and salt is to bring the | already been utilised in metallurgy as an salt to a caustic state, and the lime is con- agent of oxidation in the roasting of certain verted into the chloride of calcium.

for these crops, the compost should be formed | tempts have been made to employ the caloric two or three months before the period of ap- power of the hydrogen contained in water; tons an acre is generally sufficient. This tion to that of the principal combustible. last eight years. should be applied hot from the gas works and There results, then, a considerable augmentaspre d evenly over the surface. If applied tion of heat, without any addition of solid Hog Cholera. - The ravages of hog cholera during the winter to grass lands, the improved fuel, and, consequently, a more rapid fusion mous. It is estimated that this plague has in a few weeks the effects of the top-dressing. fuel which the authors of the process state taken off fif een thousand hogs in one county If you apply it to land in ended for turnips, varies from forty to fifty per cent." alone within the past six or eight months. it should be applied immediately upon the re-Sprits of camphor, one ounce to the dose, is moval of the cereal crop, and grubbers and -[North British Agriculturist.

Benefits of Autumn Plowing.

The tillage and drainage of the soil are very huring the soil. And these, not merely as cause and effect are related-through drainage done to improve the manners of young Tony." same class and kind. And thus Mr. Bailey of his visit, to which he replied-Denton, though engaged in a lecture upon land drainage last Monday, could not help re-This is a complete treat'se on the art of ferring to the steam plow-as the great tillfrom h m too the striking fact bearing on the "What is a good pig?" Glenny, in his composition of a fertile soil, that in a state of

Mr. Smith, of Lois Weedon, says that in all short legs and head." This is brief and to clay soils containing the mineral elements of animal, or is dissipated into the air with the the point. "But which is the best breed?" grain, perfect tilth dispenses with the need of manuring; and there cannot be a doubt that a deep and thorough tillage enables soil to draw ter than the Berkshire," says another. "Es- immensely on the stores of vegetable food

> Messrs. Hardy again says that perfect tilth "Chester Whites;" and again you shall be dispenses with the need of drainage, and there eared fellows-not at all equal to the Leices- tillage facilities the operation of whatever tershires, Cumberlands or Cheshires. Hear drainage may exist, whether it be natural or

> be useless to say much: they have been crossed taught, that it is true economy rather to put in every direction, till every feeder calls his the cheap and copious storehouse of Nature's pigs a breed of his own." You must judge | agencies to its fullest use, than by laborious |

Such a lesson applies, indeed, beyond the

Having got a good pig "feed him well." advantages of tillage to the methods by which ye like blazes. thing to it. It may be in a better condition What shall we feed him? First, everything tillage is to be obtained. Among the earliest to apply to the land, but it contains no more that you cannot use for any other purpose. suggestions of cultivation by steam power farm. As far as possible they should eat tilth at once. The land was to be torn down the shoulder, saying-Small and partially diseased potatoes, pump- though before the machine it may have been into hams and flitches. If you can cook found that it is better because cheaper, and them, so much the better. When fuel is not more perfect, too, to leave this last refinement too high or food very cheap, it will pay. On of the tillage process to the weather, which another question. They have more capacious plow or grabber in great clods and lumps. stomachs than swine, and can digest a less | This is best done in dry autumn weather, and thus it lies till spring. Certainly no climate dates for baptism at Ngukang, I observed In fattening hogs keep them clean, warm, is better adapted for cheap tillage than the times a day all the food they will eat up lowing a dry September and October must stance led to the following conversation beclean. Nothing more fattening than Indian penetrate and thrust asunder the clung and meal, from dry, sound corn. We do not say hardened masses of the soil. No two partiit is always the most economical. Feed all cles shall remain adhering to each other, if the nubbins and soft corn first. Pigs, like you only give room and opportunity to the quired. other animals, crave variety. Barley or rye cheapest and most perfect natural disintegrameal, mashed up with steamed potatoes, is tor in the world. No rasp, or saw, or mill these are my brothers." man in our town has done it!" and he left, very relishing. "Top off with peas, to harden will reduce the indurated land to soft and the pork," is an old English rule. Here, wholesome tilth so perfectly as a winter's where the bug would leave us few peas to top frost. And all that you need to attain its peroff with, it is well to feed the peas early in fect operation is, first to provide an outlet for the season. This year, in this section, it is the water when it comes--by an efficient thought that the peas are not much affected drainage of the subsoil, and then to move the with the bug. But our advice is to examine land while dry and break it up into clods and a Christian?" them carefully. The bug is very deceptive. fragments no matter how large they be, and He lies concealed in the pea, and a careless leave them for alternate rain and drouth and observer may not discover him till he has frost and thaw to do their utmost. - [London

monomo

peas will fatten a hog quicker. This, how- in the Rural for a recipe for making a brine that circumstance to impose upon us." for beef, to keep it through summer, I send "How will they do that?" I inquired. you mine, which I have found to answer. of the brine in forty-eight hours and hang up. | curs ng and fighting for the family." The mixing of lime and salt is a simple In the spring take out the beef and cleanse the brine, adding one-half the original quantity of salt and saltpetre, and as much water as will cover the beef when repacked, letting the which it is to be applied. Having determined beef .- [Robert Douglas, Tulley, Onon county, N. Y. 1861.

Water as Fuel.

The use of water as a fuel is now attracting minerals, particularly to facilitate the separa-The compost is a valuable dressing for tion of the compounds of antimony and arsenic wheat, oats, clover, &c., and when intended in metalic sulphurets. For several years at-

> -It is supposed that the number of German 15,000,000.

A Mannerly Youth.

Last week the 'Crabtown Dorcas Sewing Society held their annual meeting, and on we said last week, are the tillage and ma- motion it was voted "That our Parson wait on Tony Jones, and see if nothing can be

> The next day the Parson called upon Tony, sen., and informed him respecting the object

> "Parson, I'd let Tony go to meetin' every Sunday, if I only know'd you's goin' to preach. But, Parson, there aint a boy in the village of Crabtown what's got more manners than my Tony, and I can convince you of that in just a minit. You see Tony out there skinnin' them niffers?"

The Parson nodded assent. "Now, see, I'll call him." And raising his voice to the highest pitch, he shouted-

"To-o-o-n-y!" The response was quick and equally loud. "Sir?"

"Do you hear that, Parson?" said the man.

"Don't ye call that manners?"

"That is all very well," replied the Parson, "so far as it goes_" "What do you mean by "far as it goes?" That boy, sir, always speaks respectfully to me, when I call him." Then raising his voice

"T-0-0-0-n-y!" The boy dropped a half-dressed fish, and shaking his fist at his sire, yelled out--

(The Parson shook his head) "Ye miserable, black, old, drunken snob, I'll come in there in jist two minits, an' maul

The Parson was astounded. The old man was disconcerted for a moment, but instantly recovering himself, he tapped the Parson on

"You see, Parson, my boy has got grit as well as manners. This chap will make an ornament to your society some of 'em days." The Parson shook his head and mizzled.

Swearing for a Family.

Rev. R. S. Maclay, for thirteen years a missionary in China, has written a book, in which he relates the following anecdote:

During one of our examinations of candithat one woman and some three or four young people had the same surname. This circumtween myself and one of the young man: "I observe you all have the same surname,

Are you members of the same fami'y?" I in-"Yes," one replied: "this is mother and

"Where is your father?" I continued. "He is at home attending to business." "Does he approve of your embracing Christianity?"

"Yes, he is entirely willing." "Why does not your father himself become

"He says it would not answer for all the family to embrace Christianity."

"And why?" I asked with some curiosity, "does he think so?"

"He says that if we all become Christians Making Brine for Beef. - Seeing an inquiry our heathen neighbors will take advantage of

"Christians are not allowed to swear or Pack your beef close into the barrel, then fight, and father says that when our wicked on that point. This is a material considera- take three ounces of saltpetre, ten pounds of neighbors ascertain we have embraced Chrissalt, and twelve quarts of water, for every tianity, they will proceed at once to curse one hundred pounds of beef. Put these into and maltreat us. Hence father says to us, your ket'le and boil until well dissolvel. You may all become Christians, but I must Then pour on boiling hot upon the beef, cover remain a heathen, so as to retaliate on our the barrel close to keep in the steam. If you bad neighbors. You can go to meeting and want to dry any portion you can take it out worship, but I must stay at home to do the

> WARFARE AMONG BEES .- The house of Ezra Dipple, of Conneaut, Ohio, was invaded on the afternoon of Dec. 1s', by seventy swarms of bees, which compelled the occupants to flee to the neighbors. After protecting himself from the attack of the bees, Mr. Dipple returned, and in the air outside the house saw them engaged in a strange conflict, that lasted over three hours until the approach of night, when those who remained alive returned to their hives. The ground was covered with dead bees, and two whole hives were destroyed. This strange warfare cannot be accounted for by persons most conversant with the habits of bees. A flock of Shanghai chickens, located near the place, was stung to death.

THE BUNG HOLE SHARP SHOOTERS .- They plication. The action of the compost is not and it is the same line of invention that have, it is said, a rifle company in Vermont, understood to be powerful in destroying insect | Messrs. Maire and Valler have sought to | whose captain takes them ont once a week, to life. When applied for this purpose, it should utilise as a combustible in industrial furnaces, practice; he draws them up in single file, and be spread on the soil by the use of the grub- and particularly in metallurgic operations. sets a cider barrel rolling down the hill; the ber, &c. We may mention that any kind of Water, fed in a regular and intermittent man- men commence shooting from right to left at inferior salt, which can be obtained cheap, ner into a hot fire, is decomposed into oxygen the bung hole as it comes up. After the may be used for forming the compost. A bet- and hydrogen. The combustion of the latter, shooting is over, the captain examines the ter substance for destroy ng insects is gas in presence of the atmospheric air (the oxygen barrel, and if he finds a shot that did not enter lime. The quantity of gas lime to apply of the water being employed in burning the the bung hole, the member who misssed it is varies with the texture of the soil; but four carbon,) produces a cons derable heat in addi- expelled. None have been expelled for the

> Two Sundays in a Week .- A school aster in Ohio advertises that he will keep a Sunday school twice a week-Tuesdays and Saturdays.

-Since the erection of the first Methodist said to be an effectual remedy, even in ad- harrows used to incorporate it with the soil. speaking people in the Northern States is church in America, 1760, 14 000 have been erected-an average of three a week.