

who landed old and young pretended to be satisthe first gun fied and confident as to the final outfired at Fort come. There were dinners and recepsumter and tions, and people continued to marry helped and give in marriage. o open the It was very sad to wake up in the

one side of the town to the other they

Grave merchants and lawyers never

They seemed to believe from the first

The slege had lasted nearly forty

property had to be left behind for the

The situation rapidly grew desperate,

and a panic seized the 13,000 people

who were left in the city. They found

it almost impossible to get anything to

what would happen when the Federals

maddened by the resistance of the Cou-

federates. These helpless and disheart-

ened men, women and children who

were unable to seek a place of refuge

held many consultations, but they were

unable to afford one another much con-

solation. They realized that they were

Day by day and night by night the

esieged inhabitants lost more and

more of their spirit and confidence, and

seeing the beginning of the end.

haps of the day.

plunderers.

ceatest civil morning and learn that the family next strife in his door had been killed during the night tory, lives in the mountains of Georgin. by a shell, but such calamities had to He is Thomas W. Wheat, a stalwart be endured. It was shocking to hear mountaineer who stands six feet tall that several young ladies and gentleand has an eye like an eagle. He still men or a few children had fallen vicwears his Confederate overcoat of gray. times to the horrors of the siege, but the Wheat was 21 years of age on Christ- newspapers would then remind their mas day, 1830, and, like a great many readers that such evils were only temother country bred youths, he wanted porary, and that in a few days Sherto see a little of the world. So he went man's troops would be couted and drivdown to Augusta, from his home in on back to Tennessee. middle Georgia, and started out for a During the long summer days in Au holiday frolic. It proved to be the most gust the little children met and played, memorable outing of his life. and laughed joyously as the shells whis

thus

"The boys," said he, "got after me to tied above them. Ladies visited their go with a crowd of them down to neighbors, and when they crossed from Charleston and fight the Yankees, 1 had nothing against the Yankees, but I waited until an occasional shower of was in for anything that promised a shells was over, just as they would for little sport, and I agreed to go with an April rain, and then skipped mer-The recruiting officer readily rily homeward, laughing at the misthem. took me and I was stationed on Sullivan's Island in Charleston harbor. After the Star of the West affair we knew missed a day at their places of busithat there was some movement on foot ness. Sometimes they were disturbed and were not surprised when the long or killed by a stray missile, or they ears in the silo during the last test lost roll sounded just after midnight on the were summoned to the assistance of a morning of April 13, 1861, and we were neighbor who had been wounded in this ordered to take our places at the guns. manner, but they never complained and

"It was my business to load the first never lost their nerve. cartridge for the 10-inch mortar, and while our commander. Capt. Hallen- that Sherman would be defeated. quist, took his station near the gun. 1 measured out the powder, loaded the days before the citizens began to decartridge, and cut the fuse. It was just spair. Then there was trouble and congrowing light and the fog hung heavy fusion. Most of the well-to-do people on the water between our position and left Atlanta, but they found it impossi- silages were relished much better by Fort Sumter. We could see the dim ble to carry their goods and furniture the cows and they do better upon them. outlines of the old fort, and back to the with them. Everything in the shape of landward, as the mist thinned, we could see figures moving to and fro



was the crowd gathering to witness the attack on the fort.

# AGRICULTURAL NEWS

THINGS PERTAINING TO THE FARM AND HOME.

Best Method of Preserving Fodder Corn-How to Relieve Choked Cattle -Late Maturing Potatocs Are Most Productive.

Preserving Corn Fodder.

A report from the Vermont Agricultural Experiment Station says for two years past experiments were conducted to determine the best method of preserving the corn plant for winter use. Four methods were tried. First, whole ensilage was made by running the newly cut corn through a cutter, reducing it to one-half inch lengths, then putting into the silo. Second, the ears were husked, cribbed, dried, ground, cob and all, and fed in connection with the staiks, which had been previously cut and made into ensilage; this was called stover ensilage and meal. Third, the folder was preserved in large shocks, and hefore feeding was run through a cutter, ears and all, and cut into onehalf inch lengths. Fourth, the corn was husked from the fodder, ground with the cob and fed with the stover, after it had been run through the cutter as needed from time to time.

Samples from the material preserved by the different methods were carefully analyzed, and the fodder was fed to a herd of fourteen milch cows. It was found that each of the methods preserved about four difths of the dry matter harvested, the loss from each being

practically the same in quality and in character. The fodders kept in the shock lost more and more dry dry mat The ter as the winter progressed. more of their food value than those preserved in any other way, this being the reserve of a previous test. The relative cost of placing the same

amount of dry matter in the manger was greatly in favor of whole ensilage. Time and money spent in husking and grinding the cars were wasted, as better results were obtained when the cars were left on the stalk. The en--Farm News.

# Relieving thoked Cattle.

"I have never known my method of relieving choked cattle," says a writer in an English farm paper, "to fail in feed an animal with success in the wingiving instant relief. I cut a stick about four feet long and one-half an inch eat, and they were in constant dread of through at the large end, with prongs like fork times about one luch long at should enter, flushed with victory and the small end. The stick wants to be straight and smooth. I generally cut a small gray birch. Then wind the prongs with yarn until well covered and sew over and through this a piec of cotton cloth, making a ball some inches in diameter securely fastened to the small end of the stick. Grease the ball well with lard, insert in the animal's throat, and push it down the length of the stick if need be, or until the substance is forced into the stomach. Then withspent more of their time in the bomb | draw the stick and the creature will be proofs in their back yards. These relieved. I have been called in the along the Battery in Charleston. It bomb-proofs were holes dug in the night to go four miles to relieve an aniground and covered with wood, iron mal that had choked for bours. I reand clay. Some of them accommodated lieved her in two minutes after the

the soil of moisture were to be seen far either way as its roots extended. At the time our views met much severa criticism from those who regarded the trees as objects of beauty, and to be spared, whatever they cost to the farm-But the loss from plowing, wasting seed, and labor in cultivating crops under trees and getting nothing in return has convinced most who a few years ago were critical that they were backing a luxury that not one farmer in ten can afford. Keep the trees if you wish in land that is to be always in grass, but if it is to be plowed and cn!tivated, clear them out so that all the labor spplied may have its fullest effeet - American Cultivator.

## Plowing and Resecting. Within the past few years there have

been more than usual complaints of grass and clover seeds not "catching" well, and of "running out" after an apparently good seeding had been sefor these grass failures. But in many cases we suspect that this does not explain the whole difficulty. As vegetable matter in the soll decreases it 1/ much more injured by drought than it is while second or third year seems to be a nehardship. The first year or two after after, and then, too, there is the best sward to plow under English turf may keep thickening as the years pass by, but our grass lands are sure to grow thin. The longer the replowing is delayed, the more difficult it is likely to

be to get a good eatch with the new

Keep Live Stock in Good Condition.

It is the best and safest plan to put all

seeding -- Ex.



To Lond Logs, Roll the log on a good-sized pole, back cured. Drought, or hard freezing in the wagon, the butt end of the log winter, are commonly given as reasons should be about the center of the hounds, then get a thick block, a, and pry up with a stout pole, b, and while boy is bearing down on the pole the quickly fasten the log chain, c. securely around the log. Next insert a stout the soli retained its virgin fertility. Our pole d, about 6 or 8 feet long under the crops have been raised on the land. For climate is not a moist one, like that of chain on top of the log. While bearing England, and our winter cold is much down on the pry pole have the boy more severe. We cannot expect per-place a thick block across the hounds; manent grass either for pasture or the thicker the better. This takes the run of the field. They lie under the meadow. To plow and resced every strain off the hounds. Let the pole rest essity of good farming in our Northern ing a large heavy log, pry it up and States. Nor is this necessity any real place a thick block under it. Then fasten the chain as before, insert the seeding the crop is always better than pole, hear down on the pry pole, have



A SIMPLE WAY TO LOAD LOGS. fields. As soon as a frost has taken the block placed across the hounds, and the log is again loaded. By this simple method one man and a stout boy can load any reasonable size log without any heavy lifting.-Farm and Home.

# Hard-Milking Cows.

There is nothing more provocative of fer, but the consumption of food will be profanity than to milk a hard-milking considerably increased over and above cow, especially if she is a kieter as the what would be required at any other hard milker is apt to be. Farmers who season. It is an old saying that an pray that they be not led into temptaanimal well summered is half wintered. tion ought to give more care to the kind It is perfectly true, for once the system of cows they keep for their boys and is in a thrifty condition it is more easily kept so than it can be recovered from a hired men to milk. It is a pretty serious business putting temptations to lowered state of health and vigor. Thus swear in other people's way. There is just now it should be the effort to preanother reason why the hard-milking vent any falling off in the condition and cow is not likely to be profitable. To put all the stock into winter quarters easy-going people, too good tempered to in as fine a state of health as is possibe profane, the temptation takes another form, that is, not to swear at the cow, but to stop milking her before all

The family strawberry patch is not the milk is exhausted. Thus many a usually large, and can therefore be | cow has dried up prematurely and nevgiven the best of attention. Rake the er given her owner any profit, while if beds and clear off all the refuse, or she had been an easy milker she had burn the beds over. Then sprinkle fine | the capacity to become as good a cow as potash over any in the dairy.-American Cultivator.

ally with the opening of frost the water sinks down to a lower level. If there is an understrain near sometimes a sheet of ice will form over the water'at night, and by morning all the water under it will have disappeared. In such case the wheat is benefited rather than injured.

# Poultry Notes.

Chopped onions are beneficial if fed o your stock occasionally.

Squabs are ready for market as soon is they are well feathered just before they leave the pest.

Provide your poultry with a warm coop and a good scratching place if you want eggs in winter.

White Wyandottes lay brown shelled ggs as a rule. They are equal to Plymouth Rocks in this respect.

In order to secure satisfactory results it is customary to mate cockerels with hens, and cocks with pullets.

Never use kerosene on the body of a fowl. Lard alone is sufficient. All greasy substances will soil the feath-

## Sheep in the Orchard.

I have five acres that is partially covored with apple trees, some of which are quite old. For several years no a few weeks in the spring it is used for pasturing cows, and during a portion of the summer and fall sheep are given the shade of the trees a greater part of the on this and the log is loaded. In load- day, where a good share of their droppings is left, which seem to be a great benefit to the trees, and all wormy and defective aples are quickly eaten as soon as they fall. I now raise more and latter truit, and believe it will pay any farmer who has an apple orchard to keep sheep,-John Jackson, in "Michican Fruit Grower."

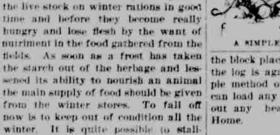
> Storing Vegetables in Basements. Farmers who are fortunate enough to have barn basements miss the best advantage of them if they do not use the basement to store a great variety of roots and vegetables there, and thus re-Heve the house cellar of the unpleasant and also unhealthful odors from stored and fermenting vegetation. It is not hard to keep a deep basement free of frost all winter. If the basement is near the surface, a bank of earth out side enclosing an air space will keep frost out. In the very coldest weather a few corn stalks thrown over vegetables or roots or some loose blankets over these will protect them sufficiently.

## Hog Lice.

I have been troubled a great deal to get rid of hog lice, and the best way I have found yet, that is a success, is this: (My pigs are not troubled with them ao much in the warm weather as cold): 1 put one-fourth kerosene oil and threefourths water and a little sulphur, and, when I have a warm day in the winter, apply behind the ears and front legs. on the flank and root of tall. Give them a clean bed at the same time. After two or three applications I find the lice gone and nits killed. I have no hog lice now, and my herd is in the best condition it ever was. - W. H. W., in American Swineherd.

## Casting Farm Accounts.

Towards the close of each year the farmer should imitate other business men, take an account of stock and estimate as closely as he can how he stands



1ai was ( as the fog lifted and revealed the outlines of the fort, and, springing backward, Capt. Hallenquist pulled the lantwinkling another charge was rammed down the black throat of the old mortar and I was permitted to fire the second shot. Had I known all that it meant then I might not have been so eager for the honor, but I was young and my blood was hot, and I was ready for anything.

The firing, of course, became general and the guns from old Sumter answered our challenge and the deep baying of the war dogs soon became a contincons roar. I was kept so busy working the guns that I paid little heed to what was going on until the order came to cease firing. Then I saw the officers in the boat being rowed across to the fort to complete the articles of surren-

# Life During a Flege,

The conduct of the people of Atlanta during the slege of that city in 1864 was truly remarkable. When Sherman's mighty bost invested the city, writes Wallace Putnam Reed, there was generst consternation among the citizens Until the very last day the people had believed that they would be spared the borrors of a bombardment. Their generals, high officials and newspapers had assured them that the invaders would be driven back, and that the citadel of the Confederacy would never undergo the hardships of a siege.

This proved to be a mistake. In the latter part of July shells began to fall died recently. Col. Fellows was at that within the city limits, and two or three battles had been fought almost within the precincts of the suburbs. The outlook grew more serious every day, but in a short time the belengured inhabitants became accustomed to their new conditions. Hundreds of big guns thundered away, and the crash of small States. Col. Fellows, who even ther arms kept everybody a wake during the | had gained some fame as an orator, be sultry summer nights.

After a week or so the non-combarante in the city made up their minds to stand the racket and bear it philohically.

They went about their business and res as before. The newspapers me out as usual, the merchants kept their plates of business, and the ty people continued their round of ting. Of course, there were many premiences and dangers. If was been up by an 15-pound shell -rash-menut the house, but the Atlan-pound that they would make for

protection that no one was killed them during the siege.

The trouble grew worse, and finally yard. Boom! the shot rang out and one bot night in the early part of Sep was echoed and re-echoed from shore tember, when a pall of yellow dust to shore. My blood was up, and in a hung over the city, there was a general feeling of unrest and despair.

Not a word was spoken by the off cials, but it was plain that something unusual was going to happen. During the night the army wagons and march ing men made the streets noisy and dusty until the early morning bours when a volcano broke loose in the eastern part of the town in the shape of sev enty carloads of ammunition which the Confederates were blowing no Everybody knew what that meant. It meant the evacuation of the place. When the pext morning dawned e ervthing was quiet. Hood's army had

zens were left. A few hours later Sherman's legion had occupied every street and square and vacant house. To do the conquer ors justice, they behaved very well They committed no outrages, and treat

departed, and only the unarmed citi

ed the citizens considerately in the main. In a few days everything settled down: the citizens were sent either north or south: and Sherman's \$0,000 men held the place as a fortified camp until they started on their famous march to the sea.

Changed His Mind in Later Tears The Baltimore Sun mays: "Capt. R. E. Park, of Macon, Ga., was in Fort Delaware prison with Col. John R. Fellows the famous New York attorney, who time only 20 years of age, but was on of the staunchest and most loyal ad herents of the Confederacy. In the prison with Capt. Park and Col. Fel. lows were a number of other Confed erates, all of whom were required to sign the oath of allegiance to the United came so indignant at the request of th prison officials that he mounted a bar rel, and in the most impassioned elo quence urged his fellow prisoners to re fuse to sign, and not one of the prison

ers took the oath." Runaway borses are unknown

Russia. No one drives there without having a thin cord with a runnin one around the neck of the animal When the borne bolts the cord is p ed, and the he -------feels the presence on its wind

The size of the new hos 1 40.00

eating immediately. Two or three men had tried every way they knew for hours without success. The testure was choked with a potato."

## Late Maturine Potators.

Most of the very large growers of potatoes plant mainly of the late-matur. ing varieties. There is a good deal of loss in matketing early varieties, especially those dug while their skin is still tender, and is broken by being rubbed against. In hot weather such potatoes rot easily, and though the price is higher there is not so great profit as for the more productive later crop that can usually be marketed without injury, Early potatoes do not generally produce heavily. Hot, dry weather shortens the crop, while with late pointoes plasted late much of the growth of the tubers is made after the heated term has passed.

#### Fait Destroys Heeds

Wherever salt is sown so that it comes in contact with germinating seeds it will rot and destroy them. The first germ of seeds is very tender, and as it starts out the seed gives out some moisture which dissolves the salt. The effect of very small quantities of salt is to decompose vegetation of all kinds. A large amount might pickle if and prevent decomposition. But either small or large, it is destructive of the germs of vegetable life. But if there is a great deal of rainfall the salt is dissipared, and so mixed with surrounding soil that little injury to the seed is produced.

#### Ar Impromptu Filter.

An impromptu filter will be found convenient. Buy 5 cents' worth of powdered charcoal; put it in a piece of dannel, together with some small stones-fine pebbles are best-and the it. to the spigot. The water running through this will be quite clear. Be sure you have coarse flaunel, as the charcoal sifts through muslin. If it runs too slowly put something under the spigot and let it run while you are doing something else and dip it out afserward. The increased clearness of the water will repay you.

## Trees in Titled Fields.

few years ago we wrote on the expensivoness of keeping scattered trees every fow years had to be broken of and used for tilled crops. The grant tree, according to its variety and habit of growth. But wherever the field was anted with either corn or potat the blight" effects of the tree supping for planting and eating.

the rows, or use well-rotted manure that is free from litter covering the

beds with straw or salt hay, and placing cornstalks or brush on the hay Early in spring remove the mulch and sprinkle nitrate of soda over the rows before the plants begin to grow.



general state of disorder.

ble. Orange Judd Farmer.

The Strawberry Patch

There is no charm in slipshod farm ing, none in weedy fields, fences, fence corners or barns, or with buildings in

Before the ground freezes see that good drainage is provided around the tables and sheds, the fruit and vegetable pits and in the orchard

Low-grade fertilizers cost less by the ton, but cost a great deal more if measured by the benefit derived. If com pelled to buy fertilizers at all buy good ones. If you are not posted you can find neighbors who are.

Turkey raising is becoming more prof itable and popular. Like sheep, they grow and fatten in the fields on what would be otherwise lost; besides, their eating of insects by the million is a benefit to the crops. A good crop of turkeys brings a fine income for a little expense. Their long legs enable them to move more easily anywhere.

The fall is the time to ditch and till the land for drainage, as the work can he then done at less cost than at any other period of the year. Lands in the West that have been tilled have gained sufficiently in one year, by the increased yield per acre, to more than pay the cost of drainage. Every year that wet land is left undrained is a loss of just so much time that could be gained by drainage.

An orchardist says: Peach trees will not bear choice fruft when growing in sod. In fact, there are few fruit trees that will not produce better fruit and more of it if the grass is prevented from growing near them. Fruit trees in poultry yards, where the ground is kept constantly bare of all vegetation. usually bear excellent fruit. Of course, some allowance must be made for the fertilizing benefits received from the droppings of the fowls.

In harvesting, as well as in storage potatoes should be exposed to light as little as possible, mys Farmers' Bulle tin No. 35 of the United States Department of Agriculture. In storing potatoes a low temperature is required. The pointo tuber is uninjured by a temperature of 38 degrees F., and one authority gives the freezing temperature of poatoes 30.2 degrees F. Warmth favon eting, which injures potatoes, both Laws or Garden Leveler.

Our illustration, which is from the American Agriculturist, shows a serviceable, home-made implement for lev-



# HOMEMADE LAND LEVELER.

eling iswns and gardens, or for doing grading of any sort. It is made from a plank, beveled on one edge, the edge being protected by a strip of sheet iron. Into this is set the framework that is shown in the illustration. Ash strips can be bent easily into shape for the handles, or old plow handles can be utilized.

## A Valuable Object Lesson

At a recent American Institute fair at New York City, the State Experiment Station made an extensive display of fruit, grown on the station grounds. There were 225 varieties of apples, each necimen having been selected as typical in shape, size, color, marking and general characteristics of the variety represented. The fruit was the result of the highest knowledge of culture and care and treatment known to the business. The collection was an object lesson in fruit lore of unmeasured value to those in search of knowledge in this special direction. This station is doing double service in thus giving to the public exhibits of their work; first in testing the varieties and showing their merits, and second in giving an object lesson of their type and characteristics

## A Chesp Bay-Holder.

We glean the following idea from the 'Farmers' Advocate:" Take an inch board, three feet long by 14 inches odde, and slaut it. Then take two slats, taree inches wide and three feet long. and sail them upright to the board about five inches from the top, to serve as feet. Drive a wire nail through each corner of board, and turn them up a little to book the bags on. Nall the heard down at the bottom, and one man can fill and the the bags as fast as two men car clean the grain.

# Care of Wheat in the Fall.

If the late heavy rains have left any water standing in low places on wheat fields furrows should be run through these places, to take the water off or diminish its damage. Wheat will surely be killed wherever water freezes town to the ground over it. But nen-

financially compared with previ years. Do not omit this because the account may not present so favorable s showing as you would like. Not to be willing to face facts is cowardly and unmanly, even though those facts seen greatly against us. Heed time and hervest do not fail to the farmer. He at least is sure of his living. If he be from from debt he is really the most independent citizen.

### Corn Hunks for Beds.

There is no nicer cheap mattreas than can be made from dried shredded corn husks which every farmer can mye while doing the fall busking. They are much cleaner and more durable than straw mattreases, and to most people more pleasant than the iron mattrea now so common although where the bed has an iron mattress, it is likely to be the direct point at which lightning will atm when it strikes a house. We believe if farmers made more of their corn husks into mattresses, they would get well paid for their labor when people learned where they could be had.

# Fall-Sown Lettuce.

Lettuce is so hardy that a little sown very late in fall and slightly protected in winter will get an earlier start than it can if planted then. It is best not to now early enough to have the need germinate in the fall, though early sown lettace with pretty thick covering has wintered safely in winters moderately warm, or with plenty of snow te keep the lettuce covored.

## Onions, Cabbages and Fints.

'You see, it's this way." he explained to the landlord. "I don't want to seen unreasonable, and I don't want to die tate what a man shall cat. I realize also, that you can't very well stipulate in the lease that a recognized article of food that is in good repute but bac odor practically all over the country shall not be cooked on the premises Again, I am prepared to concede the onions and cabbages are all right in the right place, but I feel that, in jus tice to myself and the neighbors, I mus protest that a flat building on a warn day, when the windows are open, h not the right place, especially if the day be Sunday and the time about noon. I understand perfectly that you can't do anything as matters are now but 1 rely upon your support when introduce a measure in the council reg ulating the use of onlons and cabbage in flat buildings/"--Chicago Post.

Historians believe that the horse way first domesticated either in central Asia or northern Africa.