FARM AND HOUSEHOLD.

THE BEST AND ONLY WAY TO MAKE FARMING PAY.

Some of the Requisites.—The Influence of the Dog on Sheep-Raising_Roads -Farm Notes and Domestie Dots.

There are several important or essential operations which must nos be omitted. They may be combined as a whole, without interfering or clashing. The following are some of these requi-

1. Control of the land, by drainage and convenient access to the fields. If the owner is kept off from working the soil in the spring for weeks or a month by water-soaked ground, he is losing one of the indespensable means for success. In such cases, good, tile-draining has often doubled the crops without any increase of the labor in raising them. Good, well laid the drains have a great advantage over other improvements because they are durable and permanent. Unlike wooden structures, they are not liable to destruction by weather or fire. They admit of being finished in portions in different years, conferring their benefits as fast as completed. They enable the farmer to plant his crops early in spring, and to harvest them before the advent of mud and frost in autumn. They give him a good mellow soil to work through the season, instead of encountering crusts and clods.

Besides this ready access to his land by a soil in good condition, the additional aid should not be overlooked of a convenient entrance to every field by means of a good farm road and well laid out premises. Each field is to have a separate entrance, and not be reached through some other field, or on another crop.

2. The land must be made rich by fertilizers. In most cases barn manure No materials for its manufacture be sufficient to hold all the liquid parts. When applied, it should be well diffused through the soil, and not thrown on and half covered in clods and lumps. Besides this manure, commercial fertilizers may be purchased and used wherever a careful trial on the land has proved any of them to pay their cost and labor of applying, in the increased growth of the crops.

Plowing in clover and other green crops should not be omitted. It sometimes proves the most efficient means for enriching the land and increasing its products. An advantage frequently results from alternating the clover necessary to add hot water, but we crops with rye and buckwheat; and when used for this purpose the rye should be turned under as soon as the heads appear and before the grain is formed, in order to prevent it from becoming so hard and woody as not to mix well with the soil.

3. A constant attention to plean seed and in procuring and improving the varieties, will sometimes make all the difference between encouraging profits and discouraging failure. Various grades of success will result between to sleep. the two.

4. Convenient tools and convenient buildings will be essential in all good clean. farming. The labor of horses will be better and cheaper than hard work by should be a growing and a fattening hand. Costly and complex machines ration are not wanted; a few simple and efficient implements may accomplish a great deal. A spacious tool house and shelter for all when not in use may keep them in smooth running order, and double their durability. Plows, harrows, cultivators, harvesting implements, seed cleaners, and various hand tools will often make the difference between clean, mellow land with growing, luxuriant crops, and weedy, slipshod premises. - Country Gentleman.

Phosphate Beds of Florida. But for abundant supplies of mineral phosphate the outlook for farmers everywhere would be much more gloomy than it is. Phosphate of lime is the most necessary and also the scarcest mineral product that is largely used as plant food. It is especially required by wheat and cotton, two of the most important staples of civilized life. In the cotton plant the phosphate is found mainly in the seed, and so not so much is wasted when the ginned cotton is sold from the farm. But wheat growers must have liberal supplies of phosphate of lime. Florida is the latest source of supply, and though the mineral was only discovered there two or three years ago, several million of dollars are employed in working the mines, which have already yielded great wealth. It is known that one track of phosphate lands embraces over one thousand square tniles, with a depth varying from three to thirty feet. An acre of land at the smaller depth will yield two thousand tons of clean phosphate nodules. The demand for phosphate is increasing, as these new supplies enable it to be furnished more cheaply than the mineral could be a few years ago. Most phosphate of lime is made from this mineral deposit, the supply of bones being so nearly exhausted as to furnish very little for fertilizing uses. Of course this mineral phosphate as ground contains no nitrogen. It makes a good fertilizer, though, and without the nitrogen can be afforded much more cheaply and be on much land nearly equally effective. - American Cultiva-

Salt For Stock.

Rock salt? No. I do not use it. I to not like stock to have their will of salt. The farmer by going among his flocks and herds frequently to salt them has an opportunity to count rake one of these doses three times a day. them and see if they are all right. By this means his animals become tame and easy to handle, and can be removed from place to place without any difficulty. In the winfer time, when it comes a soft spell, and the

fodder becomes wet, the animals re fusing to eat, just scatter a little fine salt over the fodder and they will es it greedily; but if they have beer satiated with rock salt the game wil. not play, and the animals must suffer. There is a time in the spring wher. grass is not sufficient to nourish the stock, just enough to prevent them from eating their hay; but a little sal! water makes it all right, and keeps the soft grass from having any injurious effect. - National Stockman.

Waterin : Horsen.

It is generally held, at least in practice, that any water that stock can be induced to drink is sufficiently pure for their use. This practice occasions losses that would startle us if statistics were at hand. Water that is impure from the presence of decomposing organic matter, such as is found imaginary shot at every one who apin wells and ponds in close procumity to manure heaps and cesspools, is frequently the cause of diarrhoea, dysentery and many other diseases of stock, while water that is impregnated with different poisons and contaminated with specific media of contagion produces death in many instances.

Considering first the quantity of water required by the horse it may be stated that when our animals have access to water continually they never drink to excess. Were the horse subjected to ship voyages or any other circumstances where he must depend upon his attendant for the supply of dent. water, it may be roughly stated that each horse, requires a daily average of about eight gallons of water. This food somewhat; if upon green food less courteous as he is big. He is a cousin of water will be needed than when fed the late Emperor Frederick, and succeeds upon dry food and grain.

The time of giving water should be carefully studied. At rest the horse should receive water three times a day; when at work, more frequently. The rule here should be to give in small quantities and often. There is a popular fallacy that if a horse is warm he should not be allowed to drink, many will be most important and valuable. | claiming that the first swallow of water founders the animal or produces colic. should be wasted. Absorbents should This is erroneous. No matter how warm a horse may be it is always entirely safe to allow him six to ten swallows of water. If this is given on going into the stable he should be given at once a pound or two of hay can leaders array themselves. and allowed to rest about an hour before feeding. If water be now offered him it will, in many cases, be refused, or at least he will drink but sparingly. The danger, then, is not in the first swallow of water, but is due to the excessive quantity that the animal will take when warm if not restrained.

> Water should not be given to horses when it is ice-cold. It may not be should be careful in placing water troughs about our barns to have them will make a balloon ascension with him. in such a position that the sun may shine upon them during the winter trouble if the horse has not been de- jaws so wide she could -Coleman's Rural World.

A thoroughly satisfied hog always wants

Feed the poultry at regular hours, and So far as is possible with stock, there

With bran and hay, sheep, cattle and horses, if well sheltered, can be wintered

in a good, thrifty condition. Are you sure that the plan of farming you are following does not take the profits of one crop to make up the losses of

another, or partially at least? With poultry, as with all other stock, a careful selection of the best, keeping them for breeding, and selling the rest, is an

economical plan of improving. While one article of food may contain all of the elements necessary to sustain cense money. life, and vet contain an excess of some,

as profit is concerned, how much a hog weighs when ready for market, as how much it costs. The difference between what it costs and what it sells for is profit, and this is the turning point of success.

Household Hints,

The woman who does her own house-

work is entitled to every advantage. Catsup keeps better, and pickles also, if you put a bit of horseradish in the mouth of the bottle.

Breathing the fumes of spirits of turpentine will afford relief to the sufferer from whooping cough

To remove rust from knives cover the blades with sweet oil for a day or two and then rub with a lump of fresh lime. The unused stove will not rust if brushed

over with a liquid composed of a gill each of kerosene and linseed oil and a spoonful of turpentine. In Norway there is a law forbidding the

marriage of any girl until she can prove her ability to cook, spin and knit. That is a good law. People who are subject to attacks of

giddiness or faintness, and those who suffer from palpitation and other sense of discomfort at the heart should not bathe. Those who suffer from a sensitive skin, subject to frequent irritation and roughness, should never wash in hard water. Boiled water will often prove a benefit to

delicate complexions. It does not cost a cent a hog per year to free them from vermin or to keep them free. Change the straw of the nest, sprinkle it lightly with kerosene, stir it up well and the thing is done.

When tired of lemon and vanilla flavoring try mixing them. To a teaspoonful of emon extract add about one-third of a teaspoonful of vanilla and you will think you have discovered a new flavor.

Equal parts of cream tartar and saltpeter make an excellent remedy for rheumatism. Take one-half teaspoonful of the mixture and divide it into three doses.

The white of an egg, with a little water and sugar, is good for children who are troubled with an irritable stomach. It is very healing, and will prove an excellent remedy for diarrhea, as well as a simple preventive for bowel disorders.

PEOPLE TALKED ABOUT.

Professor William S. Tyler has taught Greek at Amherst college for thirty-five

nate possessor of the Nassau diamond, which is valued at £35,000.

Cabanel, the French portrait painter, has pronounced Miss Mattie Mitchell, the Oregon senator's daughter, the most beautiful woman ever seen in Paris. The widow of Hannibal Hamlin is

half sister of Mr. Hamlin's first wife. She is remotely related to Senator Morrill, of Vermont, and married Mr. Hamlin in 1856. Wm. Sherman Fitch, whose name appears among the last appointments to West Point by the president, is a grandson

of Gen. Sherman. A grandson of "old Ben. Wade'' also goes in this term. King Otto of Bavaria struts about the gardens of his prison palace with a wooden musket on his shoulder, and takes an

and his mental condition seems to grow worse instead of better. A gentleman of Portland, Me., is the owner of the desk on which John G. Whittier wrote his earliest poem. The poet himself gave it to him. It is a very old piece of furniture, being an heirloom in the Whittier family and having seen pos-

sibly 200 years of service. Probably no bank president in New York receives more social calls in business hours than does Hon. Thomas L. James, president of the Lincoln National Bank. is chiefly due to the fact that the Lincoln

The handsomest living member of the Hohenzollern family is Prince Albert of Prussia, a noble looking officer, nearly six will vary upon the character of his feet six inches in height, and as graciously Von Moltke as president of the national committee of defense

If the little King of Spain be excepted. the Emperor of China is the shortest of male monarchs, standing as he does only 5 feet in height. He must, however, in point of stature, take second place to Queen Victoria, whose stature is 4 feet 10 inches. The house of Hohenzollern boasts the greatest number of men of big stature.

The Mexican president, Porfirio Diaz, is a straight, dignified man of medium height, who impresses the beholder with his strength of character. There is nothing ostentatious about him. He dresses a quietly as a plain citizen of the republic and exhibits a contempt for the gaudy regimentals in which many Central Ameri-

HE AND SHE.

Marriages were proportionately fewer during the last decade in England and Wales than ever before, it is claimed.

A social philosopher says that one-third of the unmarried women of the country are engaged in work and the other twothirds hope to be engaged some day.

A rich widower in Birmington, Conn. repeats an offer he made last year, which was not accepted, to marry the girl who At Hepzibah, Ga., Samantha Brown,

colored, called on Lee Whitehead, also mornings. Water, even though it be colored, and a would-be dentist, to have a thus cold, seldom produces serious tooth extracted. He opened the woman's prived for too great a length of time. - it was with difficulty Dr. Baxley, sr., got them in proper position.

The case of a man who has shed his skin every July since his first year has been reported to the Chicago medical society by Dr. J. Frank. The falling off of the skin is soon followed by the dropping out of the nails of the fingers and toes, which are never give more than they will eat up literally crowded out and replaced by new An old Yankee skipper relates that dur-

ing the Crimean war, after the French and English fleets had been blockading Odessa for a year, he sailed through the whole fleet by signaling that he had a cargo of rum, and adds that three days later he could have captured the combined fleet A North Carolina negro hired a carriage

to take him and his sweetheart to the church in which they were to be married, leaving him no money with which to pay for the licanse. The wedding party waited until daylight the next morning, by which time he had succeeded in raising the li-European diplomacy is busy on one side

which if fed alone must of necessity be in trying to get the prince of Naples married to the daughter of the king of the It is not so important a question so far Belgians, and on the other to prevent any such marriage. The German and Austrian emperors favor the plan, they wanting Belgium brought into the Triple alliance. Papal and Russian diplomacy are against and, of course, French also.

WITS GONE WOOL GATHERING.

A Chicago poet, with the true originality of genius, has written a poem on the cimex lectularius, in which he forces the name of that disagreeable creature to rhyme with

A New York city parrot has had over wenty owners, and has scared each out of their wits by screaming "Fire!" at an early hour in the morning, and never desisting until the whole house was aroused.

An amateur photographer went thirty miles out in the country to take some choice views, filled fifty plates and found when he came to develop them at home that he hadn't opened the shutter of his

camera. The Boston Transcript tells of a lady from a western territory who entertained her American friends in London very much by her naive descriptions of the places in Europe she had visited that she had never even heard of before. Westminster Abbey and Mme. Tussaud's were among them. It was when she was starting for Rome that she astonished a party of people at a dinner table by saying: "I hear there are some of those hectacombs in Rome, such as they have in Paris; but I shall never go to see any of them anywhere. I couldn't bear to think that I was look ing at the esophaguses of the martyrs."

prise her husband with an exhibition of the progress in the acquisition of learning of her darling ten-year-old boy, and with that end in view she recently requested Master Freddie to write a short essay, selecting "Time" as the subject of the composition. After laboring for two or three hours with the theme the bright young hopeful presented to his mother the result of his brain-weaving, which commenced: "Time is a very useful article. Without time we would not know when to eat and drink, or when to go to bed or get up. If there wasn't anything like time, though, there wouldn't be any pickpockets, for then there wouldn't be any watches to steal. There's lots of other good things about time that I can't think of now "

A fond Harlem mother desired to sur-

MR. DEPEW'S SPEECH.

He Got It Into Shape While Strolling

Along Broadway. The death of the Rev. Thomas Ed ward Vermilye, who for fifty years was chaplain of the New York St. Nicholas society, recalls an incident in which a well-known Brooklyn mat

and Chauncey Depew figured. Dr. Vermilye had for many years spoken to the toast "Holland" at an annual dinner of the organization named. Some eleven years ago, and on the morning of the day set for the banquet, he was taken ill, and notified the dinner committee that he would be unable to make his wonted oration. At 4 o'clock on the same day Depew

entered the office of John A. Nichols, at No. 71 Broadway, New York, wearing a worried expression and a perspiration-bedewed forehead.

"Nichols," he said, "I'm in a fix, and want you to help me out. These St. Nicholas people have just wired me that in the absence of Dr. Vermilye they look to me to respond to 'Holland.' I don't know the first thing about the subject, and it's 4 o'clock." "Well?" said Mr. Nichols.

"Now," went on Depew, "just you take me by the arm and walk me up Broadway to Twenty-third street. Don't talk to me, and don't expect me to talk to you. Just steer me clear of people, mind I don't get run over at the crossings, and go slow. That's all I want you to do."

Mr. Nichols did as requested, and the pair did not exchange a word until Twenty-third street was reached at

"Thankee," said Depew, as he parted with his friend; "I guess I'm all right."

At 7:30 p. m., the first thing that the eye of Mr. Nichols met, as he sat down at the dinner table, was the bland, unruffled, smoothly shaven face of Derew. The speech that he made later is yet a delightful tradition in It was chock full of wit, fact, figures. and sentiment. Nobody but Mr. Nichols dreamed that it had been conceived, shaped, and born amid the riot and roar of Broadway.

RAILROAD WRECKAGE.

A Queer Little Store Where It Is Gathered and Sold

On West Twelfth street in Chicago, there is an unprepossessing one-story red brick building, on the grimy windows of which the following words are printed in glaring yellow paint:

GOODS TAKEN FROM RAILBOAD WRECKS FOR SALE.

The scene inside is one of wildest confusion. It looks as if sections of a drug store, a crockery store, a dry goods emporium, a grocery, a harness shop and goodness knows what not had been jumbled together within the four dirty walls. The head of a doll, dust-coated, lies in a box of can lies, and a few feet away, stretched beside a row of bottles of cheap perfumery, which the obliging clerk said was fine, all of it as good the headless trunk. On the floor on one side is a box filled with paper collars. The neighbor of this assortment is a box of codfish. Beyond the codfish and on the shelf is a lot of china, some of it costly Satsuma ware in vases and oatmeal sets, and there are many dainty Japanese teacups, translucent, prettily painted and as fragile as eggshells. Next to them, in wild confusion, is a heap of horse blankets.

On all sides there are evidences that end color to the allegation that the goods are taken from railroad smash-There are pieces of furniture disabled by broken legs, tops, backs and generally in collapse. There are barrels of flour gaping open, boxes of raisins, cracked so that the contents are visible, and piled in and around this mass are boxes of sardines, bars of soap, underclothing, boots and shoes, bed ticking, stacks of trousers, cookies and frosted cakes in boxes, and at one end of the store, convenient to the street odors, is a crock of pickles without any cover. A box of rubbers keeps this crock company.

"I believe there is one other store something like this in Chicago," said the proprietor, "but I don't know where it is. We buy these goods from the railroad companies after smashups. We also buy unclaimed freight."

The Cunning Spider.

Everyone has noticed that when a spider's web is touched the insect will violently shake the web up and down, but few are probably aware of the reason for this curious action. The spider is well provided with eyes, but its sight is very limited, so much so, in fact, that if a fly is caught in the web and lies perfectly still, the spider will often be unable to find it for a considerable time. When in doubt as to what quarter of the web the prey has lodged on the spider always shakes the web and determines by the resistance the whereabouts of its ga ue. It does so, too, with infallible accuracy, as anyone who has the curiosity to make the experiment can determine, for in the great majority of cases, after the spider has given its web a good shaking, it will start off on a run directly to the point where the intruder is lodged.

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be, "It is better the Many thousands will avail themselves of these coming excursions and low rate offered, as did the hundreds on the last one, and everyone who desires to secure a farm of 160 acres, or a 20 or a 40 acre fruit tract in that land of mild climate, should not stand on the order of their going but "Go" the first excursion pos

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