# FARM AND GARDEN NOTES.

# CULTURAL TOPICS.

ing Tail Meadow Oat Grass, etc., etc.

#### Feeding Pine Boughs,

It used to be an old custom when we a load of pine boughs every winter, possibly several times in the winter, when the snow was on the ground. They would eat them greedily, and it was thought that the resin or some other quality in the needles was beneficial to their health. Spruce and fir are said not to be as good as pine and hemlock, but, where we were brought up, the white pine was more common than the other evergreens, and was groomed and fed. When a farmer most frequently used. We have heard raises fine crops he sees to it that but little lately about feeding them to they are properly cultivated and masheep, and perhaps with the more mod- nured. In some respects the feeding ern methods of feeding, especially capacities of animals and plants are when ensilage and grain are given. they are not needed, but a half cen- ferent. For instance, animals and tury ago they were thought very important, acting as a tonic, and perhaps, to some extent, as a worm medi- former can eat solid food while the cine.

#### Ways of Saving the Moisture.

of different kinds of culture in con- ing characteristics. serving soil moisture showed that simto ploughing.

dry.

#### A Good Business Cow.

"good business cow."

with these points has ability to serve tailment of the yield. a man well if she gets a fair chance. It often happens that a soil deficient

eggs where hens are penned and less than 4 cents where they have their liberty. The penned hens produced NOTES OF INTEREST ON AGRI- nearly two dozen eggs, each, more than those having a free run. This last result was somewhat sur-

Feeding Pine Boughs-Ways of Saving the prising and no doubt much of the dif-Moisture A Good Business Cow Grow- ference is due to the fact that where hens run at large more or less of their eggs are lost by being laid in secret places or devoured by vermin of one sort or another. The fact that poultry were young to bring to the sheep yard pays even in those places where eggs bring a low price in summer is shown by this record. The results agree quite closely with those attained at two experiment stations where poultry has

### How Plants Feed.

Field and Fireside.

When a stock grower wishes to raise healthy stock he has his animals well the same, in others they are quite difplants must be able to digest their food for proper nourishment, yet the latter can only absorb it in a liquid or gaseous state. The success, therefore, in raising animals or growing Experiments carried on at the Kan- plants is dependent upon the practical sas station to test the relative efficiency observation of these two distinguish-

Plants get their foods either from ple ploughing while the soll was in the air or from the soil. From the good condition was as efficacious as air they take certain elements which ploughing followed by planking, roll. go to make up their organic structure. ing, harrowing or sub-surface packing. Although the air contains abundance Disking was found to be a good means of nitrogen, still there is only one class of saving moisture but was not equal of plan.s which can absorb this material from that source, and this is the The importance of ploughing stubble leguminous family, among which may ground as early as possible while mois- be mentioned clovers and peas. From ture is still in the soil was shown by the soil comes all mineral food. The experiments in two years. Early various elements, however, are usually ploughing left the ground in good con- present in the soil in sufficient quantidition, a regards soil moisture, for ties with the exception of phosphoric wheat seeding, while late-ploughed acid, potash and nitrogen, and someground was found to be dangerously times lime; hence the farmer who feeds his soil has only to look after supplying these ingredients. The plant takes in these elments from the soft This is the way Professor Robert. through the roots very much on the son, the Commissioner of Agriculture same principle that a sponge absorbs for Canada, describes what he calls a water. It is evident, therefore, that

the food materials must be in a liquid "Her power of service will be indi. condition before they can be absorbed cated by certain external points. She by the plant. It should be the aim, should have a large, long udder, of therefore, of every farmer to get his elastic, fine quality; a mellow, movable soil in the very best possible condition skin covered with soft, silky hair; a so that the fertilizers can act to the long, large barrel, hooped with flat ribs, best advantage. The soil should be broad and wide apart: a broad loin, as porous as possible, in order that spreading out into broad, long hind the plant roots can move about freely quarters; an open twist, with rather in search of nourishment; rough, thin hips, and a lean neck of symmetri- lumpy soil prevents the spreading of cal length, carrying a clean cut, fine roots and the consequent absorption face, with prominent eyes. A cow of nourishment, which means a cur-

That her calves may have powers in plant food will fail to respond to an equal to or rather better than her own, application of fertilizers, such may be care should be exercised in their caused by several things, one of which preeding. The best blood of the breed is the time of application. The usual adapted to the farmer's purpose should practice is to put on the fertilizing mabe used to enlarge, and not to lessen. terials about planting time, and very the working capacity to be transmit- often they do not have a chance to pass from solid into liquid state. They are, therefore, of no benefit to the

FARM AND CARDEN HINTS.

Short grass cut with a lawn mower

Fowls will fly over a high fence if

there is anything at the top for them

to fly at. Don't put on a top rail. Use

Celery grown in spent hotbeds does

Feed skumks and similar pests a

As pigs increase in age it may be

Don't compel the workhorse to go

There are only three things necessa-

a small wire.

finishing period.

## NOTES AND COMMENTS.

The United States Court of Appeals it St. Louis has decided that the only ase in which suicide invalidates a ife insurance policy is when the inlividual contemplated suicide on tak-.ng out the policy.

A scientific gentleman now insists that baldness in a man is indicative of intellectuality. This being true the wife has her opportunity of hav-ing an intellectual husband.

stand up during battle, even when been subject to careful tests .- Farm, are needed to direct their men and not to become martyrs to a mistaken that method in the state's history. idea of what constitutes courage.

> With a refrigerator in every house, cold storage warehouses in every city, and refrigerator cars on every railroad, it is a little difficult to realize that the process of freezing articles of food to prevent decomposition was not perfected until a little less than twenty years ago.

> The mere giving of money seldom the public passes judgment upon the giver and the gift. If the motive was mean, the return in praise and honor will be small.

outnumber the males in a very con- change in which the son of the leadsiderable degree, especially in the London institutions, whereas in this have cleared a halt million of dollars. the males, an even ratio is maintained blessing's is small indeed and he is in the insane population.

Our next census will show a population of about seventy-five millions, says The Ladies' Home Journal. To complete this count within the required thirty days about fifty thouand census enumerators will be employed. It will be necessary for them to count at the rate of two and a half million persons per day, or even faster. only a chance of heaping up money The population of all cities and towns of over eight thousand must be enumerated within a period of two weeks.

Business has been broadened so much within recent years, that to succeed in it requires as great if not greater mental capacities than are called into requisition in the professions. To manage an establishment employing thousands of people; to correctly gauge public wants and supply them at a profit; to seek, discover, and develop new markets-all involve qualities of foresight and execution that the commander of an army or the executive of a nation would find extremely useful. The recognition of this fact has done much to lift mercantile life to the high estimation

#### principle of the long-range magazin rifle. It adds weight and range and volume to that envelopment of an at-

tacking or resisting force with a rain of bullets long before it is near enough for fighting on the old tactics which has changed the whole art of war. Modern artillery and the modern rifle practice out of which it has grown have been almost as revolutionary as gunpowder on its first introduction.

The extent to which machinery is supplanting hand-labor in the coal-

mines appears in a recent report of the Ohio Mine Inspector. Of the British officers think they must year's coal production of 14,058,135 tons in that state, 5,252,588 tons were their men are lying down. There is mined by machinery. This is a gain no excuse for such bravado. Officers over the preceding year of 1, 147, 474 tons, and is the greatest amount by The year's increase equals the entire amount of machine-mined coal during the year 1890, and is nearly 250,000 tons in excess of that so produced during 1889. Other figures in the report are of interest as showing the benefits of mine supervision in the lessened roll of injuries and deaths. There were 270,463 tons of coal produced to each life that was lost, and 90,736 tons mined to each person who was seriously injured. There was one fatality for every 563 persons emmakes a man popular. By instinct ployed, and one injury to each 102 persons engaged in the industry.

The question as to whether the rich man can get more out of life than the man of moderate means has received A curious fact noted in the English a fresh illustration from the report of unacy statistics is that the females a recent speculation on the Stock Exing Standard Oil magnate is said to country, even in the State of Mas- If that is the best use to which this sachusetis, where in the general pop- favored youth can put his life and ulation, fhe females far outnumber talents, then his share in this world's not to be envied observes the New York World. If out of all the possible opportunities offered him he appreciates only the chance of becoming a sordid gambler-a greedy grabber of other people's money-he is as poor as if he needed his gains to live on. If at the age of ambition and aspiration, of generous sentiments and high ideals, this young man sees in life which he cannot spend and does not know how rightly to use, his life is a failure and his fortune not a distinction but a degradation. Sad and melancholy beyond expression is this illustration of all that boundless wealth can do for the heir to one of the greatest fortunes in the world.

> A notable change in lumbering operations in Maine is the substitution of the saw for the axe in felling trees. The experiment was first tried in 1898, and with such success that the more progressive lumbermen are now planning to use it altogether. Much is gained in point of time and wages, the choppers being regarded as expert employees, and being paid accordingly. Another important gain is the saving of lumber. Formerly it was a common thing to see all over a lot stripped of trees stumps from two to three feet above the ground. This part of the tree was the very best, both because it was free from knots and because it was the largest part of the tree in girth. By using the saw the trees may be cut off nearer the ground and a big saving made. Of course, as in all such labor-saving changes, a labor question is involved. Many of the choppers, upon a report that saws were to be used the past year, threatened to rebel, but their grievances were met for the time being by an arrangement whereby they were to use the axe in places where the saw would be inconvenient, and in the trimming of logs felled by the SAWS.

# **TWO COINCIDENCE STORIES.**

Told in Good Faith in a Club Where All Romancing Is Barred.

it was the secretary's turn to tell a yarn to his fellow members of the Coincidence Club. The Coincidence Club. by the way, has no cumbersome machinery. It has members and officers, meets once a week to tell queer stories along the line suggested by its name, and everything but the strict truth is barred.

"I've got two stories, much alike, to tell. There's nothing dramatic or sensational about them. They struck me as queer, though. You know I'm a lawyer. One day a man named Dodge brought in a letter of introduction to me from a friend out West. He had a simple sort of a case, and I asked him to come back at 3 o'clock that afternoon. Then I went over to the criminal court on business that kept me till within a few minutes of 3 o'clock. As I entered my office there was a man sitting in the shadow. Without really looking at him, and with my mind full of the appointment I said, as I went to my private office:

"'How are you, Mr. Dodge? I'll see you in a minute.'

"Pretty soon I rang and told the office boy to show in Mr. Dodge. The man came in and he wasn't my Mr. Dodge at all. Imagine my surprise when he said:

"'How did you know my name?" "At the same time he handed me a letter of introduction from a friend in down East. His name was Dodge, all right, and he had a case. I gasped over the oddity of the situation, explained the coincidence to my visitor, and even showed him the other letter of introduction. But the man did not believe me He evidently thought I was a liar. A few minutes later in came the first Mr. Dodge, and we had a good laugh over it.

"The other coincidence was this: I got letters from two friends-one west of Chicago and one south, asking me to collect claims against a big Chlcago firm and a big insurance company with an agency in Chicago. I telephoned and made appointment with representatives of each of the concerns -one at 12 and the other at 12:30 o'clock. I went out on an errand and was delayed till 12:30 o'clock. When tower, shot through the heart. Then, I came in both men were waiting. to my amazement, as soon as he touch-Strange as it may seem, both men ed the ground and was concealed by were named Rose. I introduced them. the Spaniards, he sprang up, rushed One was originally from Rhode Island into the tower, ascended the steps and and the other from Connecticut. As appeared again at the window. The far as they could figure out they were sound of musketry was renewed, and, not related. I've used false names, shot a second time through the heart, but otherwise the stories are strictly true, and can be proven by evidence But even the two mortal wounds and law."-Chicago Inter-Ocean.

### Meaning of the Word "Oom."

"Many persons in this country-and well informed persons, too-have an idea that the word 'oom,' as applied to President Kruger of the Transvaal, means uncle," said a man who has passed the best years of his life in South Africa. "This is an error, as the word is a Zulu word, meaning chief, or ruler. 'Oom' Paul simply means 'Chief Paul,' and nothing else. "There are hundreds of 'ooms" among the Zulus, whose language has entered largely into the daily life of the Boers. The main ruler, when he wishes to confer a favor upon a subject. makes him an 'oom' of a certain territory, over which the new ruler has absolute sway, subject, of course, to affair on some stage in town labeled the restrictions placed upon him by the main 'oom.' "Then the minor 'oom' may wish to confer a favor upon one or more of his subjects. He gives him a sub-division of the territory over which he presides, snapping off pictures at the rate of 200 and confers upon him the title of a minute-positively "without vibra-'oom,' or chief; so you see, there are tion."

"'Mille. Montegrippo, as the countess, moved the audience to tears,

"Oh, Alphonse!" cried the artiste, giving way to her emotion, "how heartless it was of you to refer to him as a pig and a dog! 'Moved the audience to tears!' Ah, how generous of him to say so! I must write a dear, sweet little note with my own hand, thanking him for his kindness in saying this. Ab, that critic of the Mercury is a man who knows his business. Go on, Alphonse, go on. I can't eat until I have heard the rest of it."

"'Moved the audience to tears,'" Signor Montegrippo continued. "'A boy in the gallery was thoughtless enough to applaud after she had finished each of the numbers allotted to her, and she at once responded with an encore.' "

By dodging skillfully the husband of the great prima donna managed to keep from being hit by any of the plates or cups or saucers that were hurled at him, but it took the chambermaid an hour and a half to clear up the wreck .-- Chicago Times-Herald.

#### MAKING BIOGRAPH PICTURES.

### The Way the Startling War Pictures Are Procured.

Ten miles from New York and three from Newark lies the ancient city of Belleville, with its hat factory, its copper mill, its five churches, its two academies and its ruins. Happening to pass through it the other day, writes Victor Smith in the New York Press, my attention was arrested by one of the strangest scenes ever presented to this peaceful country. On one side of a tower-like mass of crumbling bricks, stone and mortar a detachment of the Spanish army was drawn up. It was protecting the tower from foreign assault, and there were much firing, running about, waving of arms, kueeling, jumping, ordering, commanding, urging, etc. I failed to catch sight of the foe, but from the manoeuvres of the Spaniards it must have been danger-OUS.

Suddenly there was a sound of musketry from the woods. A bright yellow negro man, dressed as a Cuban, tumbled from the upper window of the our poor Cuban tumbled earthward. that will pass muster in a court of the terrible falls failed to kill him. He repeated the act without waiting for an encore. Twelve times he was shot through the heart, twelve times he raised his arms to heaven, twelve times he staggered, twelve times he leaned forward in a dying agony and twelve times he reeled and collapsed, contorted, curled up, grasped at invisible support and tumbled to earth. And still be liyed. Before leaving the field I learned that the Spanish army was made up of employes of a biograph company; the tower was a blockhouse in Cuba; the Americans were supposed to be firing on the Spaniards who were protecting said blockhouse; the negro was paid a dollar a fall to act as a Cuban shot in the right spot, etc. The show was intensely realistic, and in a few nights we shall have the whole "Defense of the Blockhouse at Guantanamo, in the Late Spanish-American War," or words to that effect. At a convenient distance from the scene at Belleville the biograph was stationed,

ted to her calves."

#### Growing Tall Meadow Oat Grass.

Meadow oat grass has been recom- physical condition of the soli, the fermended for general culture, and al. tilizers may not become properly disthough it has not been adopted widely seminated and of course do not renfor general farm use, it probably has der full benefit to the growing crop. its place. The North Dakota station The plan most common now is to ha been stesting it, and it grows well apply the mineral fertilizers, that is and produces considerable forage per the phosphoric acid and potash, some acre. The plat yielded at the rate of months before planting and the niover one ton per acre, and this was trogen at planting time. The potash new seeding. When it becomes well salts and phosphates will not leach out established it produces an abundant of the soil, and there is no danger of or grazed close, it grows up quickly, ought to be applied only when needed forming a heavy aftermath. It grows by the plants, as it is very soluble and rapidly on a deep sandy soil when may leach out of the soil. once naturalized.

It was quite popular in New England for a time, and when it was introduced west of the Mississippi attracted con- is a good green food for fowls. siderable attention. In Kansas it exceeded in vigor of growth any tame grass ever introduced. It was more desirable than orchard grass because it endured severe and protracted drouths better. The only drawback was the quality of the hay, which was not yield as well as when grown in inferior to timothy and orchard grass. cold frames. One of its strong points is its earliness. producing pasture for stock ahead of lump of lard with strychnine inside, any other variety. If cut early it makes but keep away the dogs and cats. a finely flavored hay, but is usually One breed is enough on any farm; coarse. Chemical analysis shows that two breeds make extra work and more it contains a fair percentage of mus- than that is a real nuisance. cle forming material. About two bushels of seed to an acre are usually sown on well prepared land and cov- of corn in order to make the ration a ered by means of a light harrow or roller.

### Cost of Chickers and Eggs.

For more than three years the writer drinking. The horse becomes thirsty has kept a strict account with his as often as does the man who uses poultry, charging it with all the feed | him, the flocks have consumed and crediting eggs and sales of poultry. Two years of this time the fowls were kept penned up the year through and were fed everything they had to eat. During the last year the flocks have been and keep them alive. given the liberty of the farm, being allowed to run about the barns, stock yards and the nearby fields. This ac- ry for successful bee culture. One count has been kept long enough for should know what to do, how to do the law of aevrage to apply and we it, and then do it in time. If these are think we have a pretty good idea of observed you cannot fail. chickens and eggs.

We find it costs about 55 cents to soil after the rain. If the surface of keep a hen a year when she is penned the run is hardened a few strokes of up, and something less than 35 cents the spade will turn up hundreds of when she is allowed to forage for in- these, greatly to the delight of the sects, seeds and the waste grain al- fow s. ways to be found on a farm. Young The Ohio experiment station conthey cost more, as their capacity to of the factory mixed over the home consume food increases with length of mixed of equivalent composition, and days.

It costs 4% cents a dozen to produce | reduced by home mixing.

which it at present enjoys.

Even Russia is coming to us. After looking over the field thoroughly that nation has resolved to use an American railway brake. Inasmuch as plant. Again, on account of the poor most of her locomotives, together with a large amount of the steel rails used upon her roadbeds are of American manufacture, she can be almost given the credit of running an American railway system.

General Funston is not only a hero but a truth teller as well. He won't accept a sword with an inscription on it, purporting to quote an expression never used by him. While he did not supply of foliage, and is also valuable loss in this direction. In the case of say he could hold a certain position as a pasture plant, for after being cut, the nitrogen, however, this material until his regiment was mustered out, no one doubts that he would have done so had it been necessary. Nevertheless, one must admire the spirit of a man who doesn't want glory that is not belonging to him. Such men are not too common.

> A test case brought by the City of Milwaukee, Wis., under an antismoke ordinance, has been lost, the court ruling that the city had failed to establish the fact that the black smoke was a nuisance. The evidence introduced by the City Attorney consisted of photographs showing dense smoke issuing from a brewery's chimney, the testimony of persons living near who had seen the smoke, and the reports of tests made by the offlcers of the Health Department. The | tached flying a red flag, and having Court did not consider the constitu- passing the Lismore Castle and got tionality of the law.

well to increase slightly the proportion is made in Germany universities can a signal which had been pre-arranged. little more carbonaceous toward the Le understood by reading the figures The Lismore Castle coming up on her published in Science. Twenty-two per cent of the professors in the Ger- rel, and so the passengers received from morning until noon without man universities are engaged in their anxiously waited news from lecturing or in laboratory supervision home. They expressed their gratitude from two to six hours a week, and on their arival in England by sending fifty-one per cent from seven to twelve to the commander of the Carisbrook Cost of raising a broiler two and a hours. Of the associate professors Castle a beautifully illuminated adsixty per cent are engaged from two dress, on which was depicted a barrel half pounds in weight ought not to to six hours per week, and of the floating on the high seas bearing a red be over 25 cents on the farm. There privat-docents eighty-three per cent; flag, the barrel being supported by two is room enough for profit for the grower who knows how to get a good hatch | only four per cent of all privat-docents are engaged in lecture or laboratory cle. supervision more than twelve hours week.

Modern inventiveness has set artillery, always the chief arm of defense, in the first rank of means of offense Worms come close to the top of the in war. It is hardly extravagant to say that a war between any two civ- the line to a hook in the post of the ilized nations to-day, without gross inequality in other respects, would be an easy victory for that which was distinctly superior in possession and skilled use of modern artillery. This around it, with a heavy weight at the chickens cost about 15 cents the first cludes that so far as a single season's has been clearly recognized in Europe ten weeks of their lives and after that work can show there is no superiority for some years, and the contention among nations has been for superior equipment and drill in rapid fire field stood on the floor and threw the that the cost of the fertilizer is greatly guns. The mobile, quick-action field weight up over a door.--Lewiston (Me.) place is a natural development of the Journal.

#### Got Their Mail at Sea.

An unusual incident happened on the homeward voyage of the Castle liner Carisbrook Castle, which brought the last mail but one from the Cape. The English letters not having arrived before the Lismore Castle sailed from Cape Town for home, the captain of the Carisbrook Castle, which was to sail the following day, good-naturally undertook to deliver the letters to the disappointed passengers on the Lismore Castle on the high seas.

On overtaking the Lismore Castle the captain had the letters inclosed in a tin box and soldered up. This was put into a flour barrel, with a pole atw'll ahead of her, the barrel was dropped overboard, the captain of The great leisure for research which | Carisbrook at the same time hoisting coarse in due time picked up the barpretty sea-maidens .- London Chroni-

He Was His Own Dentist.

A Foxcraft man who was suffering from a toothache while "seven miles from a dentist," attended to the aching molar himself by tying a fish line around it, fastening the other end of piazza and sitting down quickly. This reminds a Bath man of a neighbor of his who always extracted his own teeth. If an upper one he tied a string other end of the line, mounted to the haymow and dropped the stone. If a lower tooth was the one aching, he

hundreds of 'ooms' in Zululand, and as President Kruger is the ruler of the South African republic he is naturally 'Oom Paul,' that .s, Chief Paul-no uncle about it.

proud and haughty than the North Schwarzenberg defeated 180,000 American Indians, and, no matter how French troops under Napoleon a insignificant their domain or how few "Volkerschlacht monument" will be their subjects, will never condescend inaugurated October 18, 1900. A space to talk with any but the chief 'oom' of more than 40,000 square yards has of the white men. They have no use been given by the city of Leipsic for for subordinates, and will see the head the purpose, and the mound which will chief or none.

surrender of 'Oom Amanzaal,' or feet square at the base-will be thrown Chief Double water, of the Zulus, at up in the course of the coming year. the close of the Zulu campaign. I was at a little stream, watering my horse after a long trekk, when five Zulus came up and demanded to see the main 'oom.' Naturally, I took them to five feet high. It is expected that the Colonel Russell, but with him they would have nothing to do.

"Sir Garnet Wolseley was the 'oom' they wanted to talk with, and no one Patriotic League is already aranging else would do. So I trekked with the for the presence of the Kaiser and the black-skinned beggars 200 miles through the wilderness to a point now known as Point Dunford, where the formal surrender was made. But don't you think for a minute that the Zulus would condescend to surrender to any shonted through the speaking tube to one but 'Oom' Wolseley."

How She Moved Her Audience to Tears. patches from the seat of war in the "Now, dear," said the great prima donna, addressing her husband, as she sat up in bed to have her toast and coffee, "get the papers and read what they say about my performance last night.'

So Signor Montegrippo, who was known in private life as John D. Hankinson, unfolded the Morning Mercury and began looking for "Music and the Drama.'

"Ah, here it is," he said, at last. "Now let's see what this pig of a before it leaves the fresh for the salt critic knows about the sublime and water it is called a smolt; when it first, beautiful. Curse the dog! He has returns to spawn it becomes a grilse, written half a column about Mile. and not until it has spawned is it en-Spoontoorey, but I don't see your-oh, titled to be dignified by the name of yes, here! Now listen:

#### In Memory of Leipsic's Battle.

In memory of the great battle fought near Leipsic in 1813-the so-called "battle of the nations"-when between 200,000 and 300,000 Prussians, Rus-"These Zulu 'coms' are far more sians, Austrians and Swedes under be surmounted by the monument--it "I was present at the time of the will be an immense earthwork 250 The monument will be about 250 feet high, ad the figure of the archangel Michael, which will stand on the east front, surrounded by war furies and genii of peace, will be about twentymonument will be finished in time for the centennial clebration in 1913. For the inauguration a year hence, the other German sovereigns and princes. -Chicago Record.

#### Those Awfully Long Words.

At 1 o'clock A. M. the night editor the man in the telegraph room whose business it was to supervise the dis-Transvaal and to act as custodian of the Dutch dictionary:

"Glubbings!"

"Ay, ay." "That last dispatch from Pretoria will have to be cut. It's half a column too long. Come up here and take out a couple of words!"-Chicago Tribune.

#### Evolution of the Salmon.

When a young salmon is first hatched it is known as a parr; just salmon.