Seasonable and Profitable Hints for the Busy Tillers of the Soll.

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Wheat straw is the most extensively used material for bedding in farming. It is generally used extravagantly because under the system of ordinary farming the supply of straw is usually far in excess of the actual needs of the stables, says a sorrespondent.

Scientifically wheat straw shows a food value that should save it from being wasted, and practically we who have fed animals know it is often highly relished by them, even when they are supposed to have as much other highly regarded foods as they can eat and digest. A certain bulk is necessary in the ration for stomach distention purposes as well as to increase the working area of the more nutritious foods, and clean, bright straw can be used profitably for adding this bulk, securing it more cheaply in the straw than in the more expensive fodders. One can make a good cow ration with ensilage and straw for the roughage should there be a shortage of hay or if hay can be sold at a price above its feeding value compared with its straw substitute to leave a profit after adding protein concentrates to supply what was withdrawn in the hay. In-actual practice I have made the substitution of clean wheat straw for high priced hay, increased my concentrated portion of the ration and not only had a profit from selling hay and buying meal, but got more milk from the change of food.

I do not mean that the farmer at large shall cease using straw for bedding, for whatever feeding value we may know it contains the fact remains that we have no material on the farm that is as cheap for bedding as straw. But I do mean that we should not use it so wastefully. Straw as it comes from the thresher is not a good absorbent of liquids. Nature made it strong, resistant and practically indurated for its and the seed's protection, and until the straw is crushed or cut or its organism in some way broken, it takes up very little moisture, and as an agent for the conservation of liquid excrement it is nearly useless. But let it be run through the cutter so that it is cut and haggled and crushed, and it is no longer impervious to moisture. When so prepared, half the quantity of straw will produce better results both in absorbing liquids and keeping the animals clean than can be secured when the long straw is used.

## SAWDUST AS MANURE.

Since the use of silage has become so general, and with it the feeding of cut straw along with the silage, the question of getting sufficient bedding for the stock has become of growing importance. In many cases sawdust and shavings have been largely used, in fact, sawdust has been shipped long distances by rail for this purpose. This led to an investigation of the effect of sawdust plans to determine, if possible, if shavings when used as bedding, injured the quality of the manure or the crop. One stall was bedded with pine shavings, the other with cut straw, in equal weights. The horses were changed every day. When about 1,500 pounds of manure had accumulated in these stalls, the manure in each was thoroughly mix-1,000 pounds weighed out of ach and put on two plats. A third plat was left untreated. This experiment was carried on for about four Be that as it may, it is an open secyears. Barley was grown continu- ret in the "profession," that the ously on the land, which was a ra- wonderful character impersonations ther moderately light gravelly soil. of a well-known tragic actress are From this experiment no injury to largely the offspring of her own dothe soil was discovered from the use mestic infelicities. . It would be inof pine shavings as bedding, neither vidious to mention names, but the was the manure found to be inferior circumstances are undeniable. to that which was mixed with cut straw. In observing the results of solute man very much her senior, she the use of manure mixed with saw- was speedily disillusioned as to his dust or shavings, the conclusion was real character. Instead, however, of arrived at that all of the trouble going into retirement, or a lunatic had resulted, first, from using too asylum, she threw herself heart and much bedding, so that the resultant soul into her profession. She has manure contained but a small per- succeeded, beyond her wildest dreams. centage of the excrements of the ani- But her audience little suspect the mals; and, second, that it was ap- secret of her power. Why the pleadplied too thickly. One need not hes- ing love, the malignant jealously, Itate to use a moderate quantity of the fierce hate, and the one thousand shavings if we have a spreader to and other emotions which her sublime distribute the manure, provided that art conveys to them in turn, thrill not more than six or eight tons at them in so extraordinary a manner. most were applied to each acre. And yet it is so simple. She really However, it might be advisable to feels the emotions that so many of pile the manure and let it rot for her craft merely ape. She acts as one year, adding water to it if the intensely as she has suffered, says rainfall is not sufficient firefanging. take a piece of butter size of a small

# PURE WATER NECESSARY.

The watering accommodation for the swine should be the first thing considered in laying out the hog mostly of his own choosing, and larall things considered, is the best and safest. The well can be located so ship at Trinity College, Dublin, the lot or surroundings. It can be fenced, fitted up and made dry and solid for some distance around the pump. The troughs can be located on a dry cemented floor, or broken stone that can be flushed frequently and thus kept free from the usual hog yard filth. The trough should be guardes to keep out all filth, or

watering tanks used. anyone who wills to do it.

supply the swine with pure water. Breakneck Steps, Look over your hog lots and see what the condition of the water is or mudhole to get a drink, you can to unnatural conditions and sooner or later you will be the loser by a scourge of cholera or similar disease. The raising of hogs is one of the best money-making lines of the stock business connected with agriculture, but it must not be abused by neglect or carelessness. If it pays, take care of it and it, will continue to uay. One of the surest means of doing this is to look after the watering of the swine. See that they are liberally supplied with pure water and plenty of it.

#### CATTLE IN STABLES.

My cow barn is only 14 feet wide. I thought it best to have but one manger, writes Mr. G. G. Gibbs. A row of studs are placed 3 feet 10 inches from the east side of the stable and the studs are 3 feet 4 inches from centre to centre. To each side of each stud is bolted a 3-inch iron rod, and midway between each two studs a cow is fastened by an ordinary cow-tie, secured by chains to rings, which slide up and down the rods. By this arrangement the cow has much liberty and yet is securely fastened and cannot disturb the animals adjoining her. When she lies down the chains slide down the rods and she can lay her head by her side. When she gets up the chains slide up the rods and she can lick herself on any part of her body. Still she has no more forward and back-

The front of the manger is merely the foundation wall of the building and the bottom is cement, which slopes gently from the wall toward way he raised the necessary £100, the row of studs. Fourteen inches and his publishers received the worldfrom the stude it drops 2 inches and famous "Rasselas." is level from there to the studs. The

### PACK BUTTER WITH CARE.

Butter for shipment or for the home market should have much greater care than is usually given at the farm dairy. Of course the size and kind of package will depend upon the demands of the customers. If tubs are wanted see that the butter is put in solidly. The top may be smoothed off evenly by means of a straight edge or wire. A cloth is then spread over the top of the tub, and a light layer of salt is sprinkled over the cloth. If prints are wanted, see that they are carefully on land and crops manured with this parchment paper and carefully pack- The story of its inspiration gives on-

IT'S AN ILL WIND THAT BLOWS NOBODY GOOD.

Many Marvellous Triumphs Mind Over Matter- Brave Hearts.

A great actor has said that no man can act until he has suffered.

Married at an early age to a dis-

Pearson's Weekly.

So happy-go-lucky was Oliver Goldsmith, that it is doubtful whether he ting his career. Then, like the brave routes for the winter's work, with move, and then fired. would have given a single work to heart he is; Gillett plunged heart and the information that they found the the world had it not been for his soul into his work. The result has martens, fisher and mink dead in all grinding poverty and his hounding been the most famous of all his suc- directions. Three or four bear skins head of the lion, immediately above gely arose out of his Hibernian ver- don. satility. He nearly lost his sizarthrough pumping on a constable, and giving a ball in the college attics.

"THE VICAR OF WAKEFIELD." professions, he applied for ordina- Paris. The chef is question is Urbain them. The devil-Matche Manitoution. But as he appeared clad in Dubois, who Jabored in the German flaming scarlet, he was turned out of Emperor's kitchen, So popular was emigrate to America, but lost all his ed to do him honor.

The purpose passage money in a gambling den. of cleanliness can be carried out by The same fate overtook the money which was subscribed for his study of The damage resulting from forcing | the law. Finally, after begging his swine to drink impure, filthy water way with a flute half over the Conmust be impressed upon the mind of | tinent, he brought his weary limbs every hog raiser. When this is done, back to London, where he took a then there will be a way devised to miserable garret, at the top of overhanging the Fleet Ditch.

On one occasion his landlady havthat they are forced to use. If the ing called in a sheriff's officer. Dr. hogs are wading around in mud Johnson was hastily sent for. Johnknee deep and go to a muddy trough son arrived, only to find that the guinea he had sent in advance was depend upon it that they are forced already changed for a bottle of Mas deira. Irritated beyond measure, the doctor was suddenly appeased by the sight of a manuscript, which Goldsmith had hastily turned out under the combined pressure of hunger, cold and duns. That MS. was "The Vicar of Wakefield," which Johnson immediately sold for £60, and the popularity of which has continued to this day. Most of Goldsmith's other masterpieces were only wrung from him under similar pressure.

Curiously enough, the great doctor himself produced two of his best known works under the stress of great mental agony. The loss of his wife, who, by all accounts, was neither beautiful nor lovable, plunged him into the most violent grief. He only retained his mental balance, by turning doggedly to the completion of his great work. For three years the end of that time his grief had abated, and

JOHNSON'S DICTIONARY

was given to the world. Owing to various causes, Johnson benefited but little financially from his great work. Consequently, when, a few years later, his mother died, at Lichfield, at the ripe old age of ninety, he was unable to pay even her few debts and funeral expenses.

So haunted was he by the idea that this beloved relative should leave a pauper's reputation, that he immediately commenced a novel, wherewith to pay off these bills. By ward movement than if she were in working day and night, and sending his sheets straight to the press, without even so much as reading them through, he accomplished his

Emile Zola and many other famous platform on which the cows stand as French writers were driven to fame well as the floor behind them is by sheer hunger. With Zola, as with earth. I expect to have both the Goldsmith, it was write or starve. floor and gutter behind them made His early Parisian days were passed of cement. In front of the cows ev- in a tiny seventh floor garret, where ery 15 feet is a window containing he had frequently to sit in his shirt 12 glasses, and behind them, next sleeves, because "uncle" had charge the ceiling, is a window of three of his only coat. Doth Alphonse Dauglass between every alternate pair of det and Victor Hugo were goaded on by the same gaunt hound.

When Hugo was in Belgium his miserable attic had several unauthorized openings to the sky, and was so small that his bedstead stretched right across it. At seventeen, the penniless Daudet was tramping the streets of Paris, glad to beg a bed. from the first friend he could meet; whilst Balzac was only a shade more comfortable in a garret, through which the wind whistled, "Like Tulon through his flute, though not so pleasantly."

## "SOME DAY."

Perhaps one of the most successful songs of last century was Milton and neatly made and wrapped in Welling's celebrated "Some Day." Day" is as follows:

word was brought to her husband | ined. that the tiny craft had met with an

All that night he sat up in the utmost agony of mind, awaiting the when an incredulous trapper came message that never came. Restless- along and was heard lamenting the ly pacing his room, he chanced upon lack of cats, wherewith to bait his gaged a few rods away, putting the which was lying upon his desk. The deep significance of the line, "Or are cat," he said, divulging what was you dead, or do you live?" at once evidently one of the secrets of the appealed to him, whilst almost un- trade, since very few people had nothing seems to break the stillness. consciously, his tuneful genius sug- heard of such a thing before. gested a fitting melody. The day

sand Pines." Here, in a tiny bunga- country were passing away. low, about two miles from Tyron village, the great American actor, Wil- among the cats did not end there. liam Gillette, conceives those re- From the Indian reserves to the hastily crept toward the side of the

home of Sherlock Holmes but it has supplies instead of leaving for their an exceedingly pathetic interest. It hereditary hunting grounds as usual. was here that the great actor fled in | Inquiry showed that the young search of oblivion, after the loss of men of the tribe had unexpectedly lion was within a few feet of my cesses, the stirring drama now play- and one lynx skin were brought back the eyes, and stretched him on the

# MONUMENT TO A COOK.

the bishop's palace. He decided to he that his brother cooks have unit-

AGENCY SHOWN IN AN EPI-DEMIC OF DIPHTHERIA.

Human Beings Infected First-Foxes and Other Wild Animals Next Affected.

plague has been carried across seas by rats on board ships is a fact demonstrated by science. It is also grip some cats were noticed by close said to be demonstrable that malar- observers familiar with the above ial fever is disseminated among the inhabitants of tropical lands by the ness in its symptoms not unlike that mosquito.

The cheerfully buzzing bluebottle fly has been accused of conveying blood poison from putrifying car- tent to the visits of the domestic pet casses to human beings. But it is to cat friends suffering from its rav not so generally known that many ages. of the diseases of humanity may be contracted by that favorite of all our domestic animal friends, the sleek and purring cat, and communicated through it to human beings.

In one locality in Canada where a quickly fatal type of diphtheria was prevalent, the spread of the disease was for a long time puzzling to those who engaged in fighting it. As the community was widely scattered and the popular fear of the disease very geat, it might appear to have been easy to avoid contagion. But day after day new cases appeared in he scarcely raised pen from paper. At houses separated by long distances until a king of panic set in, and most of the uninfected families shut themselves up in their houses, and refused all communication with friends, strangers or visitors

> Still the disease continued its ravages with deadly effect, until a clue was accidentally given by a young woman who called across the front garden from the doorway of her home to a passing traveller to inquire about the diphtheria epidemic. There was no other house within a mile or two, the road was little used and the family had so far escaped the plague.

"It's as lonely as can be," the young woman declared. "We go nowhere and nobody comes here. The only excitement is over the cats, for superhuman task in a week. In this old Jim is very sick, and the little script, "sailed from Candia for Flan-Manx tortoiseshell is dead. We cannot think what in the world is the matter with them."

The words came back to her friend as he stood at her graveside two days later and heard that two lads of the household were also in the

grip of diphtheria. Then a woman of means in a neigh-

boring house asked the advice of the Querini was again shipwrecked near local practitioner respecting her Angora, which had a sore throat. On general principles he refused to have anything to do with grimalkin, but advised doing away with it at once.

Instead of following the advice the woman vainly attempted to save her Venice with ten companions, the onpet's life by blowing sulphur down its throat. The next day she developed diphtheria, and within the week her baby was buried and she was fighting between life and death, from which struggle she escaped, a physi-

After that the cats were looked after, when to the general surprise it was discovered that very few were to be found. Those that remained had short shrift of it, but were sacrificed to the public good.

When the plague subsided there was material. Some years ago Cornell ed. Use special care with small ly one more proof that, despite himbegan importing them. Evidence and came incarnated as a hero of the self, the shadow of a great grief of subsequent result appeared to prove twentieth century?" ten wrests a man's best work from conclusively that the cats had been him. Briefly, the history of "Some among the most potent factors in the spread of the disease. And the Mrs. Wellings was absent from effect of their sickness was farther London on a yachting cruise, when reaching than could have been imag-

Dead foxes began to be found accident. He immediately telegraph- about the stone piles in the fields, ed to Cowes, whither his wife had and the farmers' wives noticed that perience which befell his family gone but received no reply. Again the young turkeys and chickens were there. His home at the time was in and again he wired without result, not molested by these sly thieves. until at length it became too late to The word was sent around that ness, and it was there that the something was killing off the foxes.

A connecting link was discovered

Then it was remembered that as a something moving near the veranda. that brought the glad tidings of his rule the bodies of the cats had not wife's safety, saw "Some Day" giv- been found around the farm build- horror perceived an enormous lior Deep in the Great Smoky Range generally crawled away to die in sol- rection of my wife and child. My of the South Carolina mountains, itude in the woods. So it ceases to wife saw the creature at the same

But the effects of the mortality

ing at the Lyceum Theatre, Lon- which they had stripped from animals found dead in the bush,

clear. Two of the young hunters second bullet was not necessary, for had become possessed by something the lion had been killed at the first which took them by the throat in- shot. The first monument ever erected to side and strangled them, and them After vainly trying half a dozen a cook is about to be inaugurated in the hunters had left dead behind was in it all, or there was something wrong about their charms; it was bad medicine to be in the woods the Indians said.

So the hunters determined to remain at home and to set the medicine men to work upon a new set of incantations, and to allow the Government to feed them that winter. Beyond a doubt the fatal sickness had spread from the cats to the wild animals of various kinds over a good; many square miles of territory, until at last it reached humanity That the microbe of the bubonic again in the persons of the young Indian runners.

During the last epidemic of the facts, as being afflicted with an illwhich laid so many people by the heels. The rapid spread of that disease may have been due to some ex-

It might be wise to subject pussy's visiting list to strict supervision at times of sickness and epidemics.

### TRAGEDIES OF THE ARCTIC

#### The Duke of Abruzzi's Expedition to the North Pole.

An extraordinary coincidence has been developed by a recent arctic tragedy brought about by the expedition of the Duke of Abruzzi.

When this navigator went on his journey to the North Pole he took with him among others Lieutenant Querini, a Venetian gentleman of an old and noble family. His work over, the Duke returned, but the lieutenant was not with him, for he had lost his life through an accident in the arctic regions.

Now, at the very time when this accident occurred, a professor in the technical school in Trieste, while rumaging in the archieves of that city, discovered a manuscript bearing the date 1601, and containing an account of a journey made by one Pietro Querini, in 1431, to the arctic regions. Querini is not a common name, and a little investigation showed that Pietro Querini was a direct ancestor of the other Pietro Querini who lost his life in the arc-

tic seas a few months ago. 'Querini," says the old manuders on board a vessel loaded with merchandise and precious stones. When he arrived in Flanders he sold his cargo and started for the arctic regions. A storm forced him to abandon his ship and take refuge with his crew in two barks. The wind then carried them to the coast of Norway, but on January 9, 1432, the Lofoden Islands in seventy degrees north latitude, and almost all his companions were drowned."

For some time it was supposed that he, too, had been drowned, but in January, 1433, he appeared in ly survivors of his original crew of seventy-eight men. It seems that he succeeded in gaining the shore after the others had been drowned, and then slowly made his way home through Denmark and Germany.

"Although these two Pietro Querinis," says a French writer, "are separated from each other by five centuries, we find the same destiny at work in the case of each." And he continues, with a dash of playfulness: "Is it not possible that the adventurer of the fifteenth century, not a pussy in the community and it desiring to enjoy once more the ex-

## AT SHORT RANGE.

Exciting Experience With a Lion in Africa.

An Englishman who lived many event occurred.

One evening about dusk my wife and child were sitting on the verfinishing touches to a bit of wagon "Nothing will draw a fox like a repairing. The servants were at the rear of the house. It was one of those peculiar quiet evenings wher Suddenly I felt, rather than saw,

ings, the suffering creatures having stealing along the ground in the dilies a little place, called "The Thou- be a wonder that the foxes of the instant, and despite her terror, for tunately remained perfectly motionless and silent.

markable creations with which he has north came the information that the bungalow to the open window of my thrilled the audiences of two conti- Indians had made requisition upon room, where I knew a loaded rifle the Department of the Interior was leaning against the wall. I It is a queer, lonely spot for the through their local agent for winter climbed in at the window, seized the rifle and leaped by another window out upon the veranda.

his wife—a loss that shattered his and in fright returned from the pre- dear ones and crouching for a spring health, and came very near termina- liminary spying out of the trapping I called softly to my wife not to

ground. There was an instant of fearful Some sickness was about that was suspense. Then I fired again, but the

> The Admiralty consists of the First Lord of the Admiralty and five other members. The Board of Add miralty have managed the navy for over two centuries.