

FARM NOTES.

Never feed corn alone to hogs. It is false economy. Carelessness in handling pigs is a bad habit to acquire. Nowadays draft horses must be matched to sell well. Even on cold days hogs should have plenty of good fresh air. The idea that anything is good enough for a pig is a mistaken one. Choose for the breeding mare a solid color, dark bay, black or chestnut. A temper under control is an invaluable asset to a man employed in handling cows. The best feeds are clover hay, a mixture of oats, wheat bran, linseed-meal and roots. Warmth is half the feed for cows, and remember that foul air does not keep an animal warm. Some corn stalks may be fed to the porkers every day. They are sweet and do the hogs good. This is a good month to prune grapevines. Do not delay. The earlier in the month, the better. In countries where colts run out the year around, the mature horses have much stronger legs. The sheep barn must be dry and well ventilated. Foul odors and too much heat bring on pneumonia. Every cow should be brushed thoroughly each day. Keeping the skin clean and active is conducive to health. All straw, stalks, etc., used for litter in the sheep barn should be run through a cutter to increase the power of absorption. Horses off color and with peculiar markings never sell so well as those of solid colors; besides they are more difficult to match. Some farmers sell their corn shelled and others dispose of it in the ear, but western farmers find it most profitable to sell it in the hog. Look out for bad habits in your colts. It is so much easier to keep them out than it is to get rid of them if they once get a hold on the young horse. A juicy wether hung up in a cold, dry place will provide choice dinners for the family until it is used up. Don't forget to have mashed turnips and butter with it. That nice ewe is just as nice for you to keep as she is for the man who likes the looks of her to buy. Unless you are over-stocked, keep her; and if you are, better sell some other sheep. Make up your mind that you will not let the calves get stunted this winter. Keep them growing. They will be better cows, and better cows are what we are all working for.—Farm Journal. Hominy feed or hominy chop consists of hull, germ and part of the starch of corn grains, and contains less starch, about the same amount of protein, and more fibre and fat than corn meal. Nearly all the pig-houses and feeding pens are now made of cement concrete and are found to be most satisfactory. Many farmers are learning to make their own cement blocks, walls and floors. All good farmers watch the condition of their colts when put into winter quarters. A colt allowed to lose its colt flesh and become thin, will never make the horse he would if kept growing from the start. A good rack for feeding sheep can be made by almost any sensible farmer. About all that is needed is a support for the hay so that it shall not fall to the ground and be wasted and also be handy for the sheep to get at. The gluten products are residues of corn left in the manufacture of glucose. Gluten meal consists mainly of hard or flinty portions after the bran, the germ or chit of the corn kernel and part of the starch have been removed. Ewes due to lamb in the latter part of winter or early spring must have more nutritious feeds now for toning the system, developing the young and growing a coat of wool. Nitrogenous feeds, such as oats and bran, are needed for developing the young and growing wool. It is best to prune blackberries in the fall, but it may be done now. Usually only five or six canes from each root should be allowed to grow, the others being pulled out while they are still small. When the canes are 2 1/2 to 3 feet high the tips should be cut or pinched back two or three inches. This checks upward growth and many laterals push out. These laterals bear the fruit the following season. It is a common impression among fruit growers that the mature cherry tree needs no pruning. This belief is probably due to the fact that there is no fruit tree of which it may be said that nature is a more efficient pruner. But, nevertheless, pruning will be found expedient when a fancy article is desired. The fruit is borne on one-year-old wood, and mostly on short growths or spurs. Fruit buds are also found as auxiliary buds near the base of the stronger growing new wood. Consequently, the tree will then, owing to its fruiting habit, stand only a moderate pruning. Bees are now nearly over their winter's sleep. It is a mistake to disturb them at all until the weather comes on a good bit warmer, as the loss of heat from the brood nest through too early manipulation often results in a vast amount of the brood being chilled, with the consequent loss of bees and honey. If the colonies went into winter quarters, either indoors or out, with sufficient stores, no feeding will be necessary; and the colony can remain undisturbed until the time of spring manipulation. If, however, a lifting of the hives indicates that they will not have sufficient stores to carry them over till spring bloom, then they had better be fed at once, great care being taken to give them the right kind of food, for it is a settled fact that bees will not take up liquid feed in cold weather, whereas they will readily eat candy placed right over the tops of their frames.

A Peculiar Characteristic of This Terrible Explosive.

Many and odd are the materials entering into the manufacture of modern explosives, but perhaps the most interesting of all these elements of destruction as well as the simplest is gun cotton. The gun cotton manufacturing industry is large, as enormous quantities are used in the charging of torpedoes and for similar purposes. The base of gun cotton is pure raw cotton or even cotton waste, such as is used to clean machinery. This is steeped in a solution of one part of nitric and three parts of sulphuric acid. It is the former ingredient that renders the mass explosive, the sulphuric acid being used merely to absorb all moisture, thus permitting the nitric acid to combine more readily with the cellulose of the cotton. After being soaked for several hours in the solution described the cotton is passed between rollers to expel all nonabsorbed acid, a process carried to completion by washing the cotton in clear water. This washing process is a long one, requiring machinery which reduces the cotton to a mass resembling paper pulp. Should any nonabsorbed acid be allowed to remain it would decompose the cotton. If the explosive is to be used after the manner of powder it is still further pulverized and then thoroughly dried, but if intended for torpedoes it is pressed into cakes of various shapes and sizes—disk shaped, cylindrical, flat squares and cubes. When not compressed gun cotton is very light, as light as ordinary batting. A peculiar characteristic of this terrible explosive is that a brick of it when wet may be placed on a bed of hot coals, and as the moisture dries out the cotton will flake and burn quietly. If dry originally, however, the gun cotton will explode with terrible force at about 320 degrees of heat. In general it is the custom to explode gun cotton by detonation or an intense shock instead of by heat. In a torpedo the explosive charge is wet, this wet cotton being exploded by means of dry cotton in a tube, this having been fired by a cap of fulminate of mercury, the cap itself having been fired by the impact of the torpedo against the target.—Harper's Weekly.

Probability at Your Age of How Long You Will Live.

After we are dead it probably will not concern us whether we died at twenty or fifty or ninety, but just now most of us are intensely interested in the matter, and, being average persons in sound health, we can figure out with certainty just what our chances are of reaching any particular age, says Harper's Weekly. If we are just 20 years of age, our chances of living to or beyond 30 are nearly 12 to 1; of living to be 40, 5% to 1; to be 50, 3 to 1; to be 60, 1-2-3 to 1. Of living to be 70 we have less than 1 chance in 2 1/2; to be 80, less than 1 chance in 5 1/2, and to be 90, less than 1 chance in 100. If we have reached 30, our chances to reach 40 are nearly 11 to 1; to be 50, nearly 4 1/2 to 1; to be 60, 2 1/2 to 1; to be 70, 4 1/2 chances in 10; to be 80, 1 chance in 5 1/2; to be 90, 1 chance in 100. The average man of 40 has 8 1/2 chances to 1 of reaching his fiftieth birthday, 2 1/2 chances to 1 of attaining 60, only 5 chances out of 10 of reaching 70, 1 chance in 5 of reaching 80, and 1 chance in 100 of becoming 90. Having been lucky in all the drawings up to fifty years, the average man has 4 1/2 chances to 1 of becoming 60; to become 70 the chances are 1 1/2 to 1 in his favor; to become 80 he has but 1 chance in 5 and to become 90 1 chance in 100. If already 60 the average citizen has 2 chances to 1 of becoming 70, 1 chance in 4 of becoming 80 and 1 chance in 66 of reaching 90. The man of 70 has 3 chances in 8 of becoming 80 and 1 in 50 of becoming 90. If one has weathered the storm until his eightieth birthday he has 1 chance in 17 of reaching his ninetieth milestone. It will be observed that as we get older our chances of reaching 90 increase greatly.

Night Eternal Reigns Over One-half of Her Globe.

To have the same hemisphere exposed everlastingly to sunlight while the other is in perpetuity turned away must cause a state of things of which we can form but faint conception from what we know on earth. Baked for aeons without letup and still baking, the sunward face must if unshielded be a Tophet surpassing our powers adequately to portray. And unshielded it must be, as we shall presently see. Reversely the other must be a hyperborean expanse to which our polar regions are temperate abodes, for upon one whole hemisphere of Venus the sun never shines, never so much as peeps above the star studded horizon. Night eternal reigns over half of her globe. The thought would appall the most intrepid of our arctic explorers and prevent at least everybody from going to the pole, or, rather, what here replaces it, "through the dark continent." It exemplifies the eventual effects of a force in astronomical mechanics the importance of which is only beginning to be appreciated, tidal friction. It has brought Venus as a world to the deathly pass we have contemplated together. Starting merely as a brake upon her rotation, it has ended by destroying all those physical conditions which enable our own world to be what it is. Night and day, summer and winter, heat and cold, are vital vicissitudes unknown now upon our sister orb. There nothing changes while the centuries pass. An eternity of deathly deathlessness is Venus' stately lot.—Dr. Percival Lowell in Popular Science.

They Fight Under Leaders and Roll Stones on Enemies.

Aesop's ape, it will be remembered, wept on passing through a human graveyard, overcome with sorrow for its dead ancestors, and that all monkeys are willing enough to be more like us than they are they show by their mimicry. An old authority tells that the easiest way to capture apes is for the hunter to pretend to shave himself, then to wash his face, fill the basin with a sort of birdlime and leave it for the apes to bind themselves. If the Chinese story is to be believed the imitative craze is even more fatal in another way, for if you shoot one monkey of a band with a poisoned arrow its neighbor, jealous of so unusual a decoration, will snatch the arrow from it and stab itself, until in succession the whole troop has committed suicide. In their wild life baboons as well as many varieties of the monkey tribe undoubtedly submit to the authority of recognized leaders. There is co-operation between them to the extent that when fighting in company one will go to the help of another which is hard pressed. In rocky ground they roll down stones upon their enemies, and when making a raid, as on an orchard which they believe to be guarded, the attack is conducted on an organized plan, sentries being posted and scouts thrown out, which gradually feel their way forward to make sure that the coast is clear, while the main body remains in concealment behind until told that the road is open. From the fact that the sentries stay posted throughout the raid, getting for themselves no share of the plunder, it has been assumed that there must be some sort of division of the proceeds afterward. Man, again, has been differentiated from all other creatures as being a tool using animal, but more than one kind of monkey takes a stone in its hand and with it breaks the nuts which are too hard to be cracked with the teeth.—London Globe.

Discontent.

"We are never completely happy," said the ready made philosopher. "Of course not," said the practical person. "A boy wishes he were a man so that he could have all the nice pie he wants, and a man wishes he were a boy so that he could digest it."—Washington Star.

No Argument.

Patronize the Cheap Restaurant—Look here, waiter, this coffee is cold. Polite and Intelligent Waiter—Quite right, sir. This is a quick lunch cafe, and if the coffee was hot you couldn't drink it in a hurry.—London Scraps.

The Preference.

"My dear," said the farseeing parent, "that young man may be a trifle tedious, but he is a coming man." "Perhaps he is," sighed the weary maiden, "but I'd rather he had more go in him."—Baltimore American.

Giving Pa Away.

Ma—So pa took advantage of my absence and searched the bureau where I keep my diary? Ostend—Yes, ma, and pa said that was what he called a "bureau of information."—Chicago News.

Medical.

How to act in an emergency is knowledge of inestimable worth, and this is particularly true of the diseases and ills of the human body. If you suffer with backache, urinary disorders, or any form of kidney trouble, the advice contained in the following statement will add a valuable asset to your store of knowledge. What could be more convincing proof of the efficiency of Doan's Kidney Pills than the statement of Bellefonte citizens who have been permanently cured? Mrs. James Rine, 239 W. High street, Bellefonte, Pa., says: "Some years ago I procured Doan's Kidney Pills at Green's Pharmacy Co. and their use cured me of kidney complaint and backache that had caused me no end of suffering. At that time I told of my experience in a public statement and I now take pleasure in confirming that testimonial. The relief Doan's Kidney Pills gave me has been permanent and I have had no further need of a kidney medicine." For sale by all dealers. Price 50 cents. Foster-Milburn Co., Buffalo, New York, sole agents for the United States. Remember the name—Doan's—and take no other. 57

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Children Cry for Fletcher's Castoria.

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Not a Classical Player, but He Bewitched His Hearers.

The truth is that Ole Bull was not a classical player. As I remember him, he could not play in strict tempo. Like Chopin, he indulged in the rubato and abused the portamento. But he knew his public. America, particularly in the regions visited, was not in the mood for sonatas or concertos. "Old Dan Tucker" and the "Arkansaw Traveller" were the mode. Bull played them both, played jigs and old tunes, roused the echoes with the "Star Spangled Banner" and Irish melodies. He played such things beautifully, and it would have been musical snobbery to say that you didn't like them. You couldn't help yourself. The grand old fellow bewitched you. He was a handsome Merlin, with a touch of the charlatan and a touch of Liszt in his tall, willowy figure, small waist and heavy head of hair. Such white hair! It tumbled in masses about his kindly face like one of his native Norwegian catarracts. He was the most picturesque old man I ever saw except Walt Whitman, at that time a steady attendant of the Carl Gaertner string quartet concerts in Philadelphia. (And what Walt didn't know about music he made up in "is love for stray dogs. He was seldom without canine company.)—James H. Necker in Everybody's Magazine.

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Wise Old Guard.

To a guard at a gate in the Broad street station, Philadelphia, there recently rushed an excited individual with this query, "Have I time to say goodbye to my wife, who is leaving on this New York train?" "That, sir," responded the guard, with a polite smile, "depends on how long you have been married."—St. Louis Republic.

A Mean Hint.

Miss Oldgirl—I have been studying with Professor Pump, and he gave me a few wrinkles, Miss Pert—Do you think you need any more, dear?—Baltimore American.

The Refined Style.

Tenderfoot (aghast)—You're not lynching that man? Arizona Ike—Well—er—we don't refer to it in that unrefined way. We call it showin' 'em the ropes.—Judge.

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