FARM AND HOME,

Horse Feed.

Every good groom knows that sound oats and beans, in good proportion, and at least a year old, are the very best food for a galloping horse—the only food in which it is possible to get the very best condition out of a race horse or hunter. It also has recently become known that horses do slow work and get fat, indeed too fat, on maize Indian corn, which is frequently one third cheaper than the best oats. In the east horses are fed on barley, and it is a popular idea with English officers who have lived in Persia and Syria that the change of food from barley to oats often, when imported, produces blindness in Arabian horses. Now, although no men understand better or as well how to get blood horses into galloping condition as the English grooms, they do not, nor do their masters know the reason why oats and beans are the best food for putting muscular flesh on a horse. The agricultural chemist steps in here, makes the matter very plain, and shows that if you want pace, Indian corn, although nominally cheaper, is not cheap at all. When we feed a bullock, a sheep, or a pig for sale, we want to make it fat as quickly and as cheaply as possible; but with a horse for work the object is to give him muscle—in common language, hard flesh. There are times when it is profitable to make a horse fat, as, for instance, when he is going up for sale. For this purpose an addition of about a pound and a half of oil cake to his ordinary food has a good effect. It is especially useful when a horse that has been closely clipped or singed is in a low condition. It helps on the change to the new coat by making him fat. A horse in low condition changes his coat very closely.

When from any cause there is difficulty in getting a supply of the best oats, an excellent mixture may be made of crushed maize and beans, and the proportion of two-thirds of maize and one of beans, which exactly afford the proportions of flesh-forming and fat-forming food. Bran is a very valuable food in a stable for reducing the inflammatory effect of oats and beans. Made into mushes, it has a cooling and laxative effect; but used in excess, and especially in a dry state, it is apt to form stony secretions in the bowels of the horse. Stones, produced from the excessive use of bran, have been taken out of horses after death, weighing many pounds.—*London Live Stock.*

Hog Cholera.

This disease is known by the vernacular or common names of distemper, red soldier, red disease, blue sickness, blue disease, hog cholora, and measles, the latter name very wrongfully applied. It is a subject respecting which there is a great diversity of opinion. Some regarding it as *typhus*, others as *anthrax*, hence the various appellations. It is undoubtedly a blood disease.

It is a malady that appears first to affect the digestive organs, and then the blood undergoes changes favorable transundations, which occur in different parts of the body. By most authorities it is considered contagious.

Symptoms: The premonitory signs occur late, are very transient, and are seldom observed; usually the death of one or more pigs under mysterious circumstances, first arrests attention. Some may then be noticed to be dull, not to seek food or water, but to creep beneath the straw or any dark place, seeking quiet and isolation from the rest, carrying the head low and ears drooping.

Signs of abdominal pains are often well marked, and there is a disposition to lie on the belly, with fore feet outstretched.

In some cases there is great cerebral disturbance, and in others stupor, so that they may be either wild and frantic, and utter cries, or else quite unconscious. Vomiting frequently occurs, the retching being often quite violent, and food may be vomited, or mucous and bile only.

In the early stages the fæces are of normal consistence and the urine pale. After a time diarrhea sets in, and the excrement is then dark or black colored, and extremely offensive. There is a singular jerking or spasmodic breathing, complicated by conjestion of the lungs, and usually a paiful, irritating cough, which increases the general weakness. Great weakness of the hind parts is often noticed from the commencement of the attack, which increases as the disease advances. The animal staggers when moving about, its limbs cross each other and often at last are completely paralyzed It is often found that the creature cannot scream, and there is present a subdued hacking cough. The blood does not flow freely if a vein be opened, and ecchymosis occurs over the whole body. The discoloration of the skin and mucous membranes—suggesting so many names for the disease—commences sometime before death, and occurs especially on the belly, inside of the thighs and fore legs, and behind the ears. Where the skin is thinnest it is especially noticeable. The red or purplish coler disappears wherever the skin is pressed, except in parts where any extravasation of the blood has occurred. In rapid cases the mucous membrane is of a bluish red color, and in chronic cases it is of a dirty yellow color. The temperature of the body is at first increased, but afterwards is lowered. Slight forms now and then appear, which consist of discoloration of the skin and loss of appetite, extending over a few days, when recovery follows; but in severe cases the animals generally succomb in a very short space of time from the comencement of the attack.

Post mortem appearances. The skin is black and blue, as if the animal had been bruised during life. The capillaries and moderate-sized veins of the skin and sub-cutaneous tissue are dark-colored, and gorged with blood. A yellow serum is apt to accumulate wherever there is ramified redness. The serous and mucous membranes are studded with ecchymosis, which are most developed as a rule in the thoracic organs. Impaction of solid material in the intestines is frequently observed. The liver and spleen are usually congested and of a dark color, and the parenchyma of the liver more congested. The blood is dark, seems fluid, and congulates very slowly.

Treatment—When the disease breaks out, keep the animals on low diet, and promote action of the bowels by clysters, and give then an emetic—white bellebore, 5 to 10 grains, or sulphate of zinc, 5 to 15 grains, followed by pugatives. The following drench would be suitable: Epsom salts, 2 to 4 ounces; and gantlan ginger in powder, 1 to 2 drahms, in about 2 pints of water. The doses must be regulated according to the size of the animal. The medicine should be given before diarrhea sets in. Moderate exercise, fresh air, and syringing or slucing the animal over with cold water, are measures to be recommended.

Preventive measures should consist of cautious feeding in young and growing animals, wholesome vegtable diet, and a sparing allowance of only well-cooked animal food, strict attention to cleanliness, and separation of the affected from the healthy animals. The sulphite or hypo-sulphite of sodium, in about 1 to 2 drachm doses, five or six times a day, would act very well. It could be given in a little feed if the animal would take any.

Winter Protection.

A strong temptation to cover up plants for winter presents itself to the inexperienced during the first cold snaps of November. The ground is firmly frozen, and now it seems natural to suppose the time for winter covering has arrived. But there never was a greater mistake. Such early spells of cold usually last but a short time, and may be succeeded by much warm weather, thus exciting the sap of the plant under cover, and thereby exposing it to injury from a succeeding heavy frost. The hardening off process is as necessary to the plant in the open ground as under a proper system of greenhouse culture. Several really cold periods in early winter, brought to bear on the uncovered plant, serve to prepare and adapt it for the endurance of subsequent hardships. Little injury, moreover, occurs from cold in December, to any tolerably hardy plant. It is the proper season of rest, and the diminished power of the sun works the less damage, because dawn and midday present no such violent contrasts of temperature as are wont to appear in early spring. A large majority of all plants that die from the effects of cold, die, therefore, in March and April, and hence the danger of removing covering too early in spring. Give, then, such plants as you wish to remain out all winter a good freezing, and protect with judgment any time from the first to the middle of December.

It is not uncommon to hear people claiming credit for extra care given to their plants in winter because they have covered them with a barrel, or some other close protection. Nothing is really more injurious. The air, being confined, becomes colder, and concentrates its effects on the plant until one might term it a case of smothering with cold, if such an expression were admissible. All hardy, or even half-hardy vegetation requires, during winter, some of the influences that come with the free action of the outer air, which also serve to temper at the same time, the otherwise concentrated cold. Not only is such close protection unsafe, but we should seek the thinnest, lightest covering that will shelter from sun and sleet. All heaping of hay, earth, etc., too high about the plant is to be avoided, and especially should care be taken to leave untouched with the knife any growth of plants, like roses, which require sharp pruning to develop flower-bearing wood. Such excision only makes an entrance for cold and rain, to the consequent rotting or freezing of the heart of the plant. The pruning can be safely performed in spring.

Heap a moderate amount of earth above the plant from one to six inches deep, according to its size and nature. Cover this with a light mulching of leaves or hay, and then apply a sort of hood over the top by means of evergreen boughs stuck in round about, and left sufficiently open to allow free play of air without too much exposure to sleet and sun. Should evergreen benghs be scarce, a convenient hood may be constructed by tying the ends of a bunch of straw together, and then hanging it over a stick somewhat taller than the plant and inserting in the ground alongside it. This may be so adjusted as to protect sufficiently the foliage of the plant which is all we need desire.

A Heavy Corn Crop.

They appear to raise good corn crops in Cumberland county, Penn. An exchange says in an article on the subject: Among the most remarkable of large yields during the past year is that of Joseph Bosler, who obtained from twenty acres 2,730 bushels of shelled corn, or an average of 105 bushels to the acre. The field was allowed to lie in clover for one year without pasture. The large growth of clover was then turned under and 250 bushels of lime to the acre applied. The ground was then cultivated and harrowed twice and the corn put in with a planter on the 2d and 3d of May. After the crop was up, the cultivator was again called into use, and afterwards, at the proper intervals during the season, the plows were run through it three times, and the corn harvested measured 2,730 bushels of shelled corn. So much for green manuring.

"GOOD NIGHT, PAPA."

A Sad Case of Hydrophobia in Philadelphia.

Another death from that horrible and mysterious disease, hydrophobia, has occurred, the victim in this instance being a child of tender years, and the cause a bite by one of that villainous breed of dogs whose presence in a city in which they literally swarm is almost as dangerous as that of so many cobras.

Mr. Charles Leibrick, a salesman in the hardware store of Shields & Brother, 119 north Third street, resides with his family at No. 1,541 north Twenty-fourth street, and it is his youngest child, Charles Edward Leibrick, unusually bright for his only two years and eight months of life, who is the victim of the terrible calamity. Last evening Mr. Leibrick was called upon and related the story of the child's sufferings and death, as follows:

"Six weeks ago to-day Charlie was playing with other children on the pavement in front of the beer saloon of Joseph Eichman, on the southwest corner of Twenty-third and Bolton, about two squares away from here. Eichman's child was playing with a Spitzer dog belonging to him, and the dog afterwards jumped in an apparently playful manner from one child to another, when suddenly my boy cried out that he was bitten. He was taken into Eichman's house and then brought home. He was then at once sent to my family doctor, and word was brought back that the doctor did not think it was a deg bite. I saw the marks when I came home that night; one was on the left eye-brow and the other on the left cheek just below the eye. Both together were not as big as the head of a tenpenny nail. I did not think them the result of a dog bite, because a woman who saw the child fall, as the dog jumped at it, said they were caused by his face striking against the wheel of a baby carriage. The marks disappeared in twelve hours.

"I had been for a long while in the habit of carrying my boy after he had awakened every morning down stairs 'piggy back,' a practice he enjoyed very much, but on last Saturday morning, for the first time, he showed a fear of falling so marked and unnatural as to excite my notice. He played all that day with his sisters, as usual, but his mother noticed he was drooping. Sunday morning he was still evidently out of sorts, but nothing happened of note until the afternoon. Then his mother stripped him for the purpose of washing him all over and dressing him. The instant the water came in contact with his body he gave a yell unlike any sound she ever heard before. I came home about six o'clock, and she reported to me what had happened. I took him up stairs and sat with him on my knee for an hour and a half. I then asked him to lie down with me. He consented, but when I laid him down he gave a yell such as I never heard anything like in life.

"From that time he would never lie down, and it was then his convulsions began. These were from seven to ten minutes apart, lasting a minute at a time. The sight and touch of water caused them the worst; a tear that dropped from my eye upon his cheek threw him into a convulsion. The convulsions lasted all Sunday night and Monday until ten minutes past six o'clock in the evening, when he died very easily. He was sensible all through his sickness, and just before his death he said to his little sisters, who were crying beside him: 'Oh! don't cry. I will pray for you all when I get to heaven.' His last words were: 'Good night, papa.'"—*Philadelphia Times.*

..At a school examination a clergyman made a brief address to the pupils on the necessity of obeying their teacher and growing up useful and loyal citizens. To emphasize his remark, he pointed to the national flag spread off one side of the room, and inquired: "Boys, what is that flag for?" A little urchin, who understood the condition of the house better than the speaker, very promptly answered, "To hide the dirt, sir."

.."Who's your pastor, my dear?" asked a good lady from the country, addressing her daughter, who has been living in the city for half a year or so. "Really, mother, I hardly know. He was away on vacation last summer, and now he has started on his lecturing tour for the winter. I may get acquainted with him next spring."—*Chicago Evening Journal.*

..A singular case of petrifaction is told by an engineer on the Union Pacific. The principal cross ties, which have been laid for several years, are nearly all petrified, the number of miles being estimated at one hundred. So solid are the cross ties that it is impossible to draw the spikes from them.

Mars' Moons.

When the telegraph announced the discovery by Prof. Hall that our neighboring planet had two satellites, and the dispatch was read the next morning at ten thousand American breakfast tables, what think you was the effect upon the heavens? Some colloquy similar to the following was sure to occur: "Mars has two moons, hey? Pass me the milk, Kitty. Strange, isn't it, that astronomers never saw them before. Another chop, please. I wonder what they'll discover next. These corn cakes are excellent. What's the latest from Europe?" We have become so accustomed to startling discoveries and announcements, that we take them as a matter of course. Even truth must appear in flaming colors to make herself seen. The virtues of Dr. Pierce's Medical Discovery and Pleasant Purgative Pellets have been tested in ten thousand households, whose inmates will tell you that they consider the discovery and introduction of these remedies of far greater importance to the world than the moons of Mars.

SHIPMAN, ILL., June 13, 1876.

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Whisky—Common	85 a	4 00
Robertson county	1 75 a	3 00
Bourbon	5 00 a	5 50
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Whisky	1 06 a	
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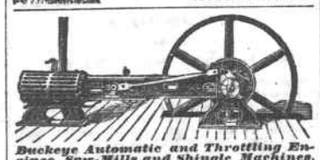

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Extract from the "Life of Washington Irving," by his nephew, Pierre M. Irving, Vol. IV., page 272:
"The doctor prescribed, as an experiment—what had been suggested by Dr. O. W. Holmes in his lively verses—'Jonas Whitcomb's Remedy for Asthma,' a teaspoonful in a wine-glass of water, to be taken every four hours. A good night was the result."

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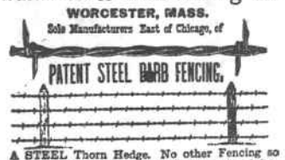

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