known horsemen, from the peculiar unwilling fore feet, but he is apparently afraid of moving action of the beast and from its almost inability to these feet. Here he gives us the point we want to proceed, thought there was some similarity notice. He uses his heels more than usual, both between this action and the action of a ship when in standing and in walking. sinking or foundering and so termed it founder. It is important for us to know the cause in order is quicker and stronger, the temperature raised to that we may avoid it, for we all know that pre- between 102 and 105; he breathes quicker and vention is better than cure.

Whenever an organ is used an extra supply of blood is rushed to it to enable it to do its work. This is really congestion, but we limit the name his eyes are set and staring, and his body often The month has been one of the wettest on record. congestion to those cases where the blood stops in covered with sweat; he will have great thirst but Rain fell with the force of a deluge, and farmers that organ after the work is completed. If it goes may have no appetite. away slowly, all may be well after 24 or 48 hours, but often it will not go away, and then we have this followed by inflammation, i.e., laminitis or

From the above, then, it is evident that running or trotting may produce this disease, as they will if the animal is out of condition. This is the chief cause of founder in light horses. After a rest the horse should be exercised steadily and regularly. A country-bred horse going into the city, and unused to the concussion between its feet and the hard pavements, requires much care for a time. Increase in weight of a rider upon a running horse or toe weights in a trotting horse 1½ ounces; nitrate of potash, 4 ounces. Dissolve may also produce the disease, if suddenly applied and mix all the ingredients in 24 ounces of water, and speed demanded at the same time.

The next great cause is exhaustion, for naturevery 2 hours. ally the body is weakened then and if the weakened feet, already exhausted, are required to do it trim the feet. Apply hot water for a time then here also. further work in supporting the animal they may suddenly change to cold. At night put on poulnot be able to control the congestion of blood in tices, and during the day time let him stand on them, and inflammation will result. If a horse, something cold and wet — wet clay or sawdust, and Chester, have revealed a hopeless divergence therefore, lies down after a journey it would be folly to make him stand.

Drinking cold water when hot may produce founder. The cold water rapidly chills the internal organs and the blood vessels are, of course, bed. contracted. The result is that the blood is down, and when he feels the great ease from this has had a big feed. An English and a Scotch driven in greater quantities to the extremities position he will generally want urging to get up. Cheddar judge spent a day at the London show and skin. This may do no harm perhaps where perspiration can take place, but it is not possible that no bed sores form. In some cases it is ad- had to give it up, and call upon other two-a in the feet. The result again is congestion, visable to blister the coronet. This will never do Scotch and an Englishman—to place the lots for followed by inflammation. If water, after a journey, is absolutely necessary, give it in small quantities and with the chill taken off. This will motion shoe. If this is not understood, shoe him one that melts away in your mouth. One of the do good and cannot possibly do harm.

There is still one other cause, and, though it 
If there is any hesitation over the treatment the may appear peculiar to an unprofessional horse- result may be serious. At the best then we can man, there is no doubt about its accuracy. only hope for the disease to take the chronic form. There appears to be some close connection, a kind In this case he will always be sore or tender, or of sympathetic feeling or action, between the feet have "fever" in his feet, and travel with a short and feed, or better, between the laminoe and the gait. He will be liable to develop another acute digestive organs, and to a smaller extent between attack whenever put to work. them and any of the internal organs, and what will affect these organs, may cause founder. coffin bone inside the hoof may become diseased, methods, and so far at least, the net result is in Barley and wheat, given as food, are often fol- and the horse consequently incurably lame and favor of Canadian cheese. In spite of its long lowed by laminitis. It is wise to be careful about useless. The sensitive structures inside the hoof ocean travel and equally difficult land transit, making any sudden change in the feed. Very may become separated and the hoof fall off, or the wonder is to find Canadian cheese competing strong physic, such as croton oil, or giving a they may become partially separated and allow so keenly with what is produced at home. Chesecond dose before the first has acted, may also the coffin bone to change its position, which shire cheese which is little better than ill-digested produce it. I have known the same effect to results in dropped sole at the best. I have seen curd, is in great demand. It is shown bound in follow a difficulty over the delivery of a foal. the bone pierce through the sole. The hoof may cloths, and must entail heavy expense in mar-Sometimes, too, an animal affected with pneubecome affected and we have that crumbling conketing. It commands a very high price in spite monia, bronchitis or inflammation of the bowels, dition known as pumiced sole. There are many of the immature state in which it is put before may suddenly develop laminitis, perhaps through other evils which follow neglect, but the above is the public. weakness or, as just stated, from the sympathy sufficient to show its seriousness. which exists between these internal organs and the

unfortunately only too well known to mos horsemen. The first thing noticed is, of course. the lameness. If we feel the feet they appear to be hot. (One foot only may be affected; it is then 21,000,000 francs, or approximately \$4,200,000, two-year-old bull, Good Friday, the buyer beeasy to make the comparison.) If we tap them as prizes at horse shows and otherwise in foster- ing Mr. Miller, La Belen, Berkinhead, the well the horse flinches. If the artery of the fetlock, or ing the horse industry. The encouragement known buyer for the Argentine. At Haugh, in better, that which runs down the cannon bone, given horse breeders in France takes the form Perthshire, the herd built up by the late Alexander and the control of the strength of be felt it will be firmer, more prominent than of cash, and other prizes offered for stallions and ander Robertson, was dispersed, 80 head of all usual and will distinctly throb. Naturally, as breeding stock at shows and bounties to the ages, and both sexes, made the fine average of more concussion comes on the fore feet than on owners of approved stallions standing for service £61 14s. 3d. Figures like 280, 270, 180, 150, at moderate fees. In addition to this the govern- 100, 210 and 185 guineas, mainly for cows and

member by making the other limbs carry most served 92,482 mares, making a total of 243,416 for the type wanted, and the dispersion sale was of the weight. If one foot is affected that one mares bred in France in one season under govern- attended by Shorthorn patrons from far and from the ground. If both fore feet are affected, than any nation in Europe in encouragement exthe hind feet will be brought forward, nearer the tended to horse breeders. The object of the 44 at a mixed sale held in Perth in the afternoon middle of the body, which will be arched. This government's care is to ensure an adequate sup- of the same day, was a better index to the actual in done to take the weight off the fore feet. If ply of homes at all times for an adequate supis done to take the weight off the fore feet. If ply of horses at all times for military purposes, value of commercial Shorthorns. In the folthe horse be made to move (I say "made" because The payment of prizes and bounties, however, lowing we made a day of it; at the Duthie-Marr he will not voluntarily move on account of the is not confined to breeds adapted for cavalry use. sale of calves, held at Tillycairn near to Oldpain) he will show great pain, but this wears off in The draft breeds share in the government system meldrum, 24 bull calves, bred by Mr. Duthie,

laminitis, but years ago before the cause was to lean back until he rests upon the heels of his

There are many other symptoms, e.g., the pulse almost pants, and his nostrils are widely opened

no hesitation. If the disease is caused by intes- as that of 1879, it was in some districts almost once but not a physic ball. Linseed oil is good. Personally I use hypodermic injection of arecoquickly, the attack may be aborted and nothing farther required. But as we are not always sure of these I generally prescribe the following:

Tincture of aconite, 3 drams; fluid extract of belladona, ½ ounce; fluid extract of colchicum, and give 4 tablespoonsful in 6 ounces of water

The more cold applied to his feet and fetlocks the in the public taste for cheese. The hard, dry, better. If he lie down do not try to make him get up, but apply the cold water while down.

harm.

When convalescent shoe him with a rocky won. so that there is no pressure at the toe.

But we may not get off so lightly as this. The challenged by the merchants to alter their

## I need say little about the symptoms, as they How France Encourages Horse Breeding 1

but if not caused by concussion it may appear in ment maintains 3,500 well bred stallions of its young cattle, with very few bulls, indicate how The horse will endeavor to relieve the painful The approved stallions on which bounty was paid fine judge of Shorthorns; he had a capital eye will be extended, and will be repeatedly raised ment supervision. France is more advanced near. a few steps. If an attempt is made to back him of bounties, and are bred very largely under made an average of £251 ls. 7d. each. Seven he will readily move his hind limbs, and appear government supervision.

## STOCK

## Our Scottish Letter

Cheese shows and Shorthorn sales have kept us pretty busy during this weary month of Octoand more highly colored than usual; his face has ber, but farmers who had the misfortune to have a peculiar appearance as though suffering in pain; their crops out in the fields had an anxious time. whose crops were still in the fields had a sore Now for treatment. Remember this, the time. The harvest of 1909 will long be rememtreatment must be energetic and there must be bered, and if it was not everywhere as desperate tinal trouble a dose of physic should be given at equal to that record year of misery. The last week of October witnessed an improvement, and much grain that seemed almost lost has been If the bowels can be got to move freely and saved in a kind of a way. We had very hard frosts during the nights, and it was well on in the forenoon before anything could be "led" but in the end of the day the four or five hours of bright sunshine were found to have wrought a great change, and with plenty of workers, much grain can be saved in that time. After a week of hard, cold, frosty weather, there is again a break, and today, Nov. 1st, we have conditions about as miserable as may be. Potato-lifting proceeds apace, and the dry, hard weather of Remove the shoes at once, and if they require this week has been conducive to rapid progress

CHANGE IN CHEESE TASTE Cheese shows at Frome in Somerset, London good-keeping cheese which was in favor in Scotland, is no longer the leading article. The kind Tempt him to lie down by giving nin a good wanted is soft and meaty, something that fills ed. I have known some to throw the horse the stomach and gives one the impression that he Blanket him warmly. If he should lie down see endeavoring to come to a decision, and in the end them. This they did, and the English cheddars The demand is for a soft, "meaty" cheese, judges at the Kilmarnock show told us that the first prize Dunlop white cheese, if made after the Cheddar shape, was what he wanted. If such is to be the type of cheese wanted, there must be a big change in the method of making Cheddars. The problem seems to be how to preserve the "meaty" character of the cheese without producing too much acidity. The dairy

school and the itinerant instructors have been

SHORTHORN INTERESTS BRISK Shorthorns have had a wonderful innings this month. Great sales have taken place in the north of Scotland, and symptoms of depression are not to be discerned in the ranks of the rons of the red white and roan. In Cumberland The French government distributed last year Mr. Barnes, a tenant farmer, got 665 gs. for the own, which last year were bred to 150,934 mares. lively the bidding was. Mr. Robertson was a