and constitution of the animal and the of health immediately preceding its contion. Young cattle stand the disease well, is from two to five years old; younger and te that again they have not the same capate of resisting it. Cows of a medium size wight, and well proportioned bone and de, such as the Ayrshire, stand well, while the ther hand I have generally observed poor, ill-conditioned cross-breeds, and large -bodied cattle sink rapidly. The incubastage is said to extend to the sixth week; anthose who believe in its contagious or tions character, do not consider their cattle until that time has expired; indeed they ashow symptoms before that time, counting the period when they were known to be in nicinity of diseased stock, often just about isth week, but rarely after it, unless from other cause not recognizable. The active lestage rarely lasts over eight days, as the become early hepatized, typhoid fever sets Idebility, followed by collapse and death by from a fortnight to a month from the the cow is first observed ill. Those cases blast out through all the stages generally to recover tone and appetite in about two as and some not as late as till the tenth or th week.

aduration and comparative fatality of the e is also influenced to a great extent by count and situation of the lung tissue ina; thus if both lungs are attacked at once, ze is very bad. At other times, one lung med near the centre of it; this also is bad, Man much so as the other. Sometimes it the lower edges of the lungs, and proapwards and forwards. Such cases often ster, even although the whole lung be juseless for respiratory purposes, provided posite lung does not become involved, and known many cases get better where even langs were affected from the first, their and posterior edges being chiefly impli-After much observation I have come to

accusion that the danger is increased mais as the diseas nears and involves the and anterior portions of the lungs, and especially if the investing membrane of at become implicated. Also the lung on th side is the one which is most frequently

4 next I will follow up this subject, treatits nature, post mortem appearance and iot, &c.

R. RUTHERFORD, V.S. Late of St. John, N. B burgh, Scotland, June, 1862.

## What Horses we Need.

Agricultural Editor of the Cincinnati tis furnishing that paper with a series of

of horses needed in the United States, he says: The United States is pre eminent for its trot-But there is no breed of trotters except the Morgans, and the many names which have signalized the trotting courses belong to the common stock of the country. They are accidental trotters, and their qualities developed by superior training. The moral sentiment of the people is so hostile to the gambling of the race course, that running became unpopular. carriage and buggy having taken the place of riding on horseback trotting was a useful gait, and trotting races have been tolerated on account Hence our sports of the turf are shown in these, and the training skill of sportsmen directed on trotting horses. We need skilful breeders to establish a trotting stock. It is true that the Morgans have much to claim our admiration. For general usefulness they have no superiors. Their fast gaits, medium size, endurance and excellent disposition, point them out as the best for family purposes. But still, the more showy carriage horse, such as Consternation, Messenger, Hamiltonian, Highlanders, etc., will often command a more ready sale, and the breeding of these should command greater attention than they do. Our fault is too much mixing and it is too habitually setting at defiance the adaptation of the points of the mare and stallion to This evil is facilitated by the numeach other. Our imerous classes of horses that are here. portations embrace every valuable kind for every valuable purpose, and their r merous crosses on the common stock have given a diversity of forms and blood that make breeding for especial purposes, such as for the carriage and buggy, no easy matter. The forms and blood of stallions generally have so ltttle to do with each other, that a Highlander begets a Diomede colt, and a Morgan chows an undersized offspring without the qualities which are characteristic of the breed. Even good diverse qualities neutralize each other, and the progeny exhibits either none of the qualities of the parents, or so much modified as to be of little value.

For farming purposes, heavy horses are not A fast walk in the plow is the most useful gait, for experiments show that the draft of the plow is not increased by speed; hence it may be run at the same depth at three miles an hour, as at two miles, without any additional strength from the horse. A horse therefore, that will walk three miles an hour in the plew is worth a third more than one that walks but two.

A farmer, too, wants a horse that will trot his buggy eight miles an hour; and fast walking and trotting, with endurance, easy keep and kind disposition, are the qualities that all want. slow, poking plow horse is not desirable for any purpose, save when the farmer is in new ground with the plow, and oxen are better there. general breeding should look to the higher qualities-to fast gaits, gentle disposition, nervous apon the horse. In regard to the kind conergy and intelligence; for there is as great dif-