Since these byres were so altered we have not had a single case of pleura nor murrain, and very few cases of weeds or inflamed udders, and little fluctuation in the supply of milk from the changes in the weather. For the last eight years a fresh stock of cows has been every year bought in, not in the public market, but out of perhaps twonty different byres, over a wide district of country, and almost every one of them has been sold in prime health and condition.—Yours truly,

George Davidson."

In the end of October, 1856, from 30 to 40 young cattle, belonging to different farmers, had been grazing during the summer on Irvine common; one of them was seized with pleuro-pneumonia, and died. The owners were afraid of infection, and knew not what to do, as the time had come for taking the cattle home. After consultation, Mr M Call, V. S., was requested to examine them; he found them free from disease, and after they had been home not one of them became affected.

In the same month, a person of the name of Campbell, at Irvine, kept three cows; one took the disease, and died; another was seized, but recovered; while the one standing between these

two was never affected.

I shall conclude my remarks on the contagion or non-contagion of pleuro-pneumonia by the following communication from Mr. Hunter, who gives his experience on the subject.

"THE HAUGH, 18th November, 1857.

DEAR SIR,-I beg, in accordance with your request, to send you a few notes of my experience of pleuro-pneumonia. The first case I ever saw occurred about 12 years ago in a lot of They were young cattle of my own breeding. grazing in a field by themselves, and had never at any time come into contact with any other Where infection could possibly come from, I never could conceive, as at that time the disease was unknown in this district; but one after another was seized at short intervals, till The others were kept on, three of them died. and continued perfectly healthy. The disease made its appearance amongst my feeding-stock in the ensuing winter, and during that and several succeeding seasons I suffered very severe.y. Curiously enough, my immediate neighbours had not a case for a considerable time after it got a footing here, whilst some others, at a few miles distance, were as bad as myself. From all I could observe regarding it, I became convinced that the disease was not infectious, and, acting upon this belief, when many of my neighbours were taking all manner of precautionswhitewashing, &c.—some of them even going so far that they would not enter my courts for fear of carrying infection to their own, I continued to pursue uniformly the same course as I had done before it made its appearance. By and by, in spite of all precautions, it found its way into the other stocks round about, and they suffered as much as my own had done.

I never could say whether court or bra ing was the more favourable for its develop as it used to skip about from one to the up and down, both in a manner altogethe plicable, sometimes confining its attacks: lot of cattle, and again wandering, apr at random, through them all. Whenever was observed in the byre, the animal was off, and another put in its stall, without; fumigation, washing, or even removing t nips the diseased animal had been eating I did very frequently, pretty much by experiment, and in no case could I ever any bad effects to having done so. strong case I may mention, which me firmed me in my practice. In 1846. cattle suffered so severely at grass that mined to sell off the remainder, and wh ing a lot to replace them, the salesmant that they belonged to a friend of mine, disposing of them because so many of the gone with disease, and he could not p the agent for his candour, I bought the and put them into a court, with only a wa ing them from another lot. I had not: of those two lots a single case of disease visits for some seasons past have been tively rare-occasionally a whole winter without a case. I generally graze from 40 cattle at my farm on the Pentlands, a of late I have had a few cases. bought three lots, which were sent up. ent times. One lot of 10 became affec four of them were sent off, though g adjoining fields, and occasionally mixe of the others showed any symptoms. I herd's two cows took decidedly ill, recovered. I have now upwards of 80 various kinds, all of which, with the of one more out of the 10 above notice has been sent away, have hitherto kept A small Shetland cow, which has bee quite alone all summer, I may mention, ill some time ago, but, with some med ment, was brought through. I will b find that the preceding proves of any u and if I can furnish any further infor. is heartily at your service."

[To be concluded in next number]

Artificial Manures.

BY PROF. ANDERSON, GLASGOW UNIf (Continued from page 405.)

Such differences, of course, can detected by complete analysis; but if it desired to ascertain whether or not genuine without determining its exit is possible to arrive at this inform out a complete analysis, and it has tomary to rely on such simple tests, omit altogether any means of ascepurity. Hitherto the general run of