after the hopse of a longer or shorter period and a number of carefully conducted retests, the survivors of the original herd are properly pronounced healthy.

We must now take into consideration the question of additions and replacements, one which, from a business standpoint, is in the majority of instances of paramount importance to the owner. It is not enough to have the new minuals tested before bringing them on to the premises. The same limitation, viz., that of the incubative period, applies to such tests as to those with which we have been dealing. New arrivals must be isolated, not only from the original herd but from each other, and submitted to a retest at the expiry of at least three months before being allowed to come in contact with any other cattle.

Two further points here demand our attention. We have hitherto, presumably, been speaking of tests honestly applied to the eattle of an honest owner and by a capable, intelligent and experienced veterinarian. We must now first consider some of the nefarious methods employed by dishonest and unprincipled owners to nullify the test and so defeat the end in view.

The old method of dosing beforehand with tuberculin, although still followed in many herds, has largely lost its value through the discovery of Professor Vallé above referred to, and is now, as a rule, only employed when the testing veterinarian is agreeably complacent, or a few years behind his age. It has, among the more astute breeders and dealers, been largely superseded by the practice of administering one or other of the modern antipyreties, combined for the sake of safety with other drugs, to such animals as are known to be tuberculous, or which show any rise of temperature when undergoing the test.

This plan is beautiful in its simplicity. Temperaturos are quietly taken from half an hour to an hour before the veterinarian makes his rounds and the febrifuge, mixed with a little sugar and disguised in a handful or two of meal, is licked up by the animal without fines or trouble. There is no drenching, no handling, no excitement, the temperature drops and although there may be and often is thermal irregularity, there is no distinct rise and above all no tuberculin arch.

This brings us to the second of my two further points, viz., the voterinarian making the test.

While, with all its limitations, I have great confidence in the diagnostic properties of tuberculin, I must confess to a feeling of suspicion with reference to all charts that are in any degree, what I may term colourless, unless I know that the man who signs them is an honost, consciontious, wide-awake and experienced veterinarian. Too many men take it for granted that everything is fair and above board, and depending entirely on their thermometer readings, allow themselves to be hood-winked by dishonest and unscrupilous owners. I could go into many details and perhaps furnish some amusement by recounting a few of the artful dodges resorted to in order to keep the veterinarian away from his cattle between temperatures so as to permit of their being safely manipulated, but time will not permit.

One thing, however, should be emphasized, viz., the fact that in the overwhelming majority of cases we have, in addition to the temperature rise, a distinct clinical reaction, some of the most salient features of which may be and the are only temporary, while others persist until at least twenty-four hours after injection. Among the temporary signs which may be noticed, as a rule, from six to twelve hours after injection, are, in severe cases, rigors, often accompanied by staring coat, general excitation and frequently diarrhea. In less well marked cases we have coldness over tho loins, quartors, thighs and tail, sub-acate excitation and general malaise. Even when these symptoms have passed off the animal maintains a standing posture and is more or less stiffened; there is loss of appetite, rumination is suspended, and in milch cows tho flow of milk is diminished.

Close attention to and observation of the animals undergoing the test are, in my opinion, indispensable. Even with them it is possible for mistakes to be made; without them the tuberculin test is very apt to be badly discredited.

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