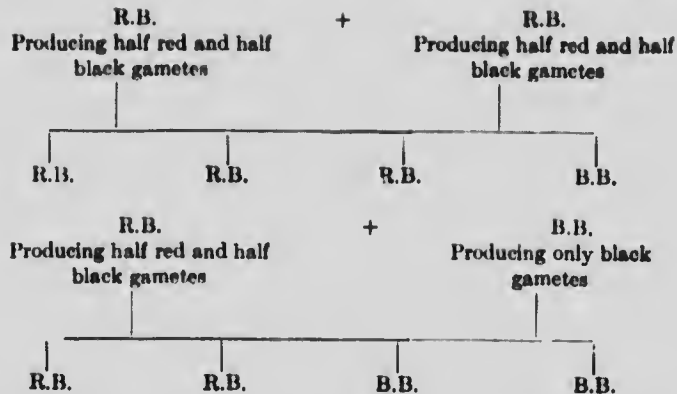




It will be noticed that when the black colour (B.B) appears the animal is always pure, while, R.R. is pure red and R.B. is also red with darker points.

It is well to bring out clearly the average results to be expected, as considerable speculation is indulged in as to whether or not certain foxes when bred to a silver will produce some silver pups. As much as \$500.00 each has been paid for red pups that have one silver parent, because it is expected that, if the pup is mated to a silver, the resulting litter will be composed of silver and red foxes in about equal numbers. The hopes are realized in most instances; but many chances of securing silver pups are lost because the breeder gets only red pups the first generation and becomes discouraged.

Rearing Silver Foxes from Reds

Rearing Silver Foxes from Reds There is a wide-spread belief that the silver descendants of red foxes are rusty black in colour and are not as pure a type as those bred pure for generations in the fox ranches. Professor W. E. Castle, of Harvard University, says that only experiments will prove what quality will be obtained in the silver young of a red parent.* The results noted in this investi-

* Professor Castle, replying to an inquiry, says:

"The several facts stated in your letter of November 14th, 1912, which I assume you have sufficiently verified, show clearly that black (or silver) coat character in foxes is a Mendelian recessive in relation to the common red coat and may be recovered in the second generation from a cross with red. Whether it would be improved or deteriorated as a consequence, experiment alone could show. I should think that the 'patch' or 'cross' foxes occasionally obtained in the F_1 generation might be well worth experimenting with, as indicating in that particular strain a tendency for the dominance to be reversed. If this tendency could be strengthened by judicious selection, a more potent strain of silvers might result. If, by this means, a strain potent enough to dominate F_1 could be secured, it is evident that silver foxes could be produced much more readily."