in this country. The reason there given is this: The mother's system is influenced and changed by the young she carries in her womb, and if the male parent be of a different breed, her blood is contaminated, and she rendered similar to a mongrel for the remainder of her life. This assertion may startle many, but it is claimed that no physoiological fact is more susceptible of proof than this, and a few instances noticed by Dr. Harvy, Physician to the Aberdeen Royal Infirmary, would seem to demonstrate such a fact. He speaks of a young chestnut mare, seven-eights Arabian, that belonged to the Earl of Moreton, which was covered by a quagga, a species of wild ass from Africa, and marked somewhat after the manner of the zebra. mare was covered but once by the quagga, and after the pregnancy of eleven months and four days gave birth to a hybrid, which had distinct marks of the quagga in the shape of its head, black bars on the legs, shoulders &c. Two years after, also the third and sixth years respectively, the same mare was covered by a very fine black Arabian horse, and produced three foals, all of which bore unequivocat marks of the quagga.

Another case similar to the loregoing one: A mare belonging to Sir George Ousely was covered by a zebra, and gave birth to a striped hybrid. The next year this mare was covered by a thorough-bred horse, and the next succeeding year by another horse. In this instance also both the foals were striped, and in other regards partook of the zebra. It is a matter of common observation that when a mare has borne a nulle she is never after fit to breed colts, as they will have large heads, and otherwise resemble the Each of the mares alluded to were, in the first instance, covered by animals of a different species from themselves; but other cases fully as conclusive where they had only bred from horses of different breeds in successive years, and yet the offspring portook of the characteristics of the horse by which the first impregnation was effected.

Mr. McGillivray speaks of several colts in the royal stud at Hampton Court, that were sired by the horse Actæon that did not resemble Actæon, the paternal parent of the foals, but did bear a resemblance to the horse Colonel, from whom the mares had brought colts the year previous to their being covered by the horse Actæon. Again, of a colt, the property of the Earl of Suffield, which was got by the horse Laurel, that it was strongly intimated by the jockeys at New-Market that he must have been got by the horse Camel. This resemblance was, however, accounted for by the fact that the mare had been previously impregnated by Camel.

Similar instances have also been observed in regard to other species of animals. Mr. McG. mentioned the following: "A pure Aberdeenshire heifer was served with a pure Teeswater bull, to whom she had a first cross calf. The

following season the same cow was served with a pure Aberdeenshire bull; the produce was cross calf, which at two years old had very low horns, the parents both hornless. Another A pure Aberdeenshire cow was served with cross bull, i. e., an animal produced between first cross cow and a pure Teeswater bull. This bull she had a cross calf. Next seasons was served with a pure Aberdeenshire bull; we calf was quite a cross in shape and color. The same gentlemen, who is good authority, as "many more instances might be cited. Amore cattle and horses they are of every day currence."

This mode of impairing the purity of the blood of animals has been styled crossing # system of the mother. Dr. Harvy also record numerous instances of similar results as hard occurred in the human family, but these or not be included in this article. It is infer that the reason why so many inferior animals: to met with, the progeny of parents of p lineage, is almost wholly owing to the blood the mother having been previously contaminate by the cross-bred young she has carried. Off modus operandi of this contamination thereis. explanation given which is generally satisfactive but it seems probable that masmuch as the ser blood must circulate through the veins of b mother and offspring, the system of the dam' comes modified and rendered in a greater or degree similar to her mongrel young. Sue't that in view of the vast interest involved int subject, "the theory thus vindicated by these. other eminent breeders," renders this subject. worthy the special attention of all those in rested in agricultural pursuits in our country Country Gentleman.

The Mutual Relations of the Vegeta and Animal Kingdoms.

[The following paper was read by Mr. J. Hobson, of Long Sutton, Lincolnshire, at last monthly meeting of the London or Ca. Farmer's Club, on June 3rd.]

When the subject on the card was first gested, it was in the hope that some accompled member of the Club, specially qualified such a task, would give us the benefit of researches on a theme of such unbounded it. Failing that, when the committee how me with the charge of this paper, from very time I became deeply sensible how us unqualified I was to grapple with a subject how it is not preclaim to a stranger (for none else are in ger) should expect anything from this oppaper original in science or novel in practice do not pretend to advance anything which easily accessible to any of my brother far