

numerous, and, consequently prolific, the mules proceeding from their intermixture, are not barren but ascend to the original species in the first generation, whereas, two, three, or perhaps four generations, are required to reinstate the mule produced by the horse and the ass, to the same degree and perfection of nature.

It has been asserted, that another kind of mule is produced from the copulation of the bull with the mare. Columella is, I think, the first who has spoken of it. Gesner quotes the words of Columella, and adds, that he found these mules in Grenoble, and which are called in French *jumars*. One of these jumars I had brought to me from Dauphiny, and another from the Pyrenees. By the inspection of the external parts, as well as by the dissection of the internal, I discovered that they were only bardeaus, or mules produced between the horse and the she-ass. I think myself, therefore, authorized from this experiment, and from analogy, to suppose this kind of mule does not exist, and that the word jumar is only a chimerical name without any real object. The nature of the bull is too distant from that of the mare, to admit of their engendering together, the one having four stomachs, horns, cloven feet, &c. and the other being whole-hoofed, with no horns, and only  
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