

wild cattle of Scotland were white and furnished with a great mane; but the colour of their ears is not mentioned. In Wales,⁵³ during the tenth century, some of the cattle are described as being white with red ears. Four hundred cattle thus coloured were sent to King John; and an early record speaks of a hundred cattle with red ears having been demanded as a compensation for some offence, but, if the cattle were of a dark or black colour, 150 were to be presented. The black cattle of North Wales apparently belong, as we have seen, to the small *longifrons* type: and as the alternative was offered of either 150 dark cattle, or 100 white cattle with red ears, we may presume that the latter were the larger beasts, and probably belonged to the *primigenius* type. Youatt has remarked that at the present day, whenever cattle of the short-horn breed are white, the extremities of their ears are more or less tinged with red.

The cattle which have run wild on the Pampas, in Texas, and in two parts of Africa, have become of a nearly uniform dark brownish-red.⁵⁴ On the Ladrone Islands, in the Pacific Ocean, immense herds of cattle, which were wild in the year 1741, are described as "milk-white, except their ears, which are generally black."⁵⁵ The Falkland Islands, situated far south, with all the conditions of life as different as it is possible to conceive from those of the Ladrone, offer a more interesting case. Cattle have run wild there during eighty or ninety years; and in the southern districts the animals are mostly white, with their feet, or whole heads, or only their ears black; but my informant, Admiral Sullivan,⁵⁶ who long resided on these islands, does not believe that they are ever purely white. So that in these two archipelagos we see that the cattle tend to become white with coloured ears. In other parts of the Falkland Islands other colours prevail: near Port Pleasant brown is the common tint; round Mount

⁵³ Youatt on Cattle, 1834, p. 48: See also p. 242, on short-horn cattle. Bell, in his 'British Quadrupeds,' p. 423, states that, after long attending to the subject, he has found that white cattle invariably have coloured ears.

⁵⁴ Azara, 'Quadrupèdes du Para-

guay,' tom. ii. p. 361. Azara quotes Buffon for the feral cattle of Africa. For Texas, see 'Times,' Feb. 18, 1846.

⁵⁵ Anson's Voyage. See Kerr and Porter's 'Collection,' vol. xii. p. 103.

⁵⁶ See also Mr. Mackinnon's pamphlet on the Falkland Islands, p. 24.