

and various other modifications, as Nathusius observes, can hardly be considered as monstrosities, for they are not injurious, and are strictly inherited. The whole head is much shortened; thus, whilst in common breeds its length to that of the body is as 1 to 6, in the "cultur-racen" the proportion is as 1 to 9, and even recently as 1 to 11.¹⁵ The following woodcut¹⁶ of the head of a wild boar and of a sow from a photograph of the Yorkshire Large Breed, may aid in showing how greatly the head in a highly cultivated race has been modified and shortened.

Nathusius has well discussed the causes of the remarkable changes in the skull and shape of the body which the highly cultivated races have undergone. These modifications occur chiefly in the pure and crossed races of the *S. indicus* type; but their commencement may be clearly detected in the slightly improved breeds of the *S. scrofa* type.¹⁷ Nathusius states positively (s. 99, 103),

as the result of common experience and of his experiments,

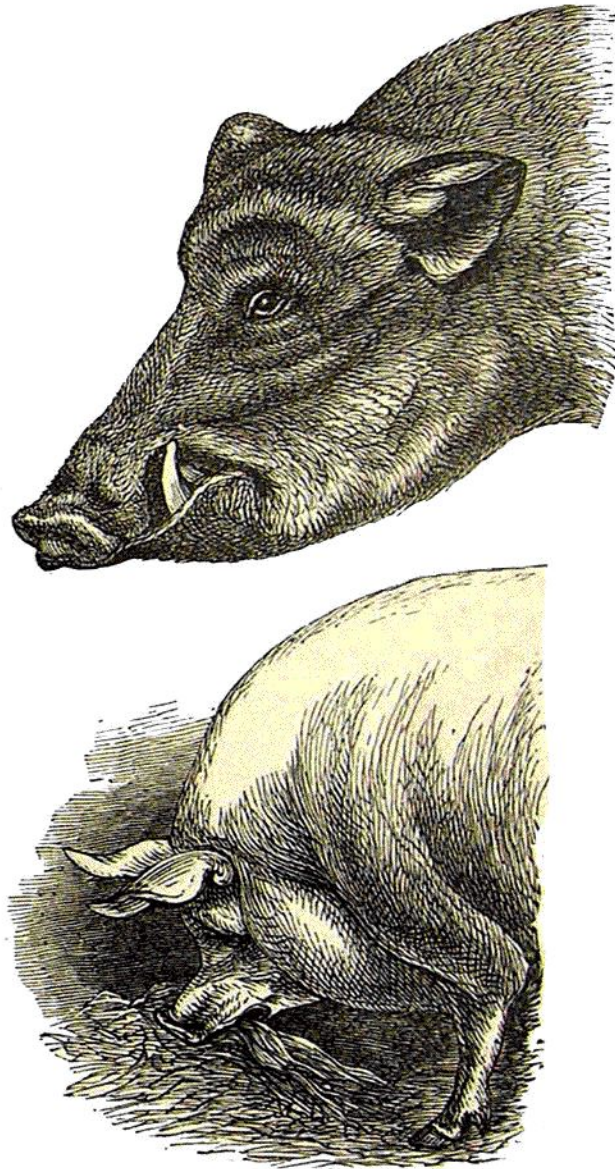


Fig. 3.—Head of Wild Boar, and of "Golden Days," a pig of the York-hire Large Breed; the latter from a photograph. (Copied from Sidney's edit. of 'The Pig,' by Youatt.)

¹⁵ 'Die Racen des Schweines,' s. 70.

¹⁶ These woodcuts are copied from engravings given in Mr. S. Sidney's

excellent edition of 'The Pig,' by Youatt, 1860. See pp. 1, 16, 19.

¹⁷ 'Schweineschädel,' s. 74, 135.