served for wood, and the other 150 brought under with his mouth wide open over tobacco smoke cultivation as soon as circumstances would admit. from one to two minutes; or what is better and This might be done in eight years, at the expira-, more humone, tie the wings and legs of the system of cropping and cultivation to come.

upon these topics at this time.

The Gapes, or Wh Mr Bement, in his Pour Companion, has gathered together all the supposed causes of this fatal disease in chickens, which we shall condense in a few lines for the benefit of our young readers. 1. It is attributed to catarrh, similar to the influenza in human beings; producing a thickened state of the membrane lining the nostrils, month, and tongue. 2. Small red worms in the windpipe. 3. Breeding from old cocks (which is doubtless an old woman's notion). 4. Scanting the checkens in their food. 5. Gaving them too much Indian meal pudding. Want of pure water.

The symptoms of the gapes are so various. that a chave no doubt they should be classed as geases, the same as physicians do those in family It would be quite abourd. child was affected with scarlet fever, y had a cold, or that it was suffering with worms, when gasping for breath with the croup; and yet these diseases do not seem at all more distinct to our comprehension, than these mentioned above under the head of "Gapes or, Pip" It would be well worth while for some skilful surgeon to investigate these diseases, and write a work upon the subject.

The remedy for the catarrh, is to tear off the scale on the tongue with the nails of the forefinger and thumb, and then push down the threat a large lump of fresh butter which has previously been well mixed with Scotch snuff. But we think two or three spoonsful of gravy, made with equal parts of butter, honey and vinegar, would be betzer. To remove the worms, hold the chicken

tion of which time the field which was first cleared chicken to prevent its struggling, take a small should be broken up early in the spring for sum- hen's feather, and strip at clean excepting a mer fallow, to be sown with fall wheat. Each tuft of about an inch at the end, wet this slightly field should receive a summer fallowing in its in spirits of turpentine, draw the neck of the proper order, so that in the course of 16 years the chicken out straight, open its mouth wide, seize whole farm will have been subjected to a uniform the tongue gently with a piece of muslin between By a judi- the fingers to prevent its shipping, and then push cious rotation of crops and a careful system of the feathers lightly down us windpipe two or husbandry, no summer-fallowing will be neces- three incl. a and twist it round, and this will sary but the one we have mentioned, for a century bring up more or less worms, and the chicken will assauly saccee out the remainder; if it does Want of time and space forbids an enlargement not, repeat the operation not more than two or three times the same day, till the windpipe is clear of them.

> The gapes are said to be prevented by mixing a small quantity of spirits of turpentine with the food of chickens, wetting up the meal of their food with soap sads, or molasses, or a little asafætida pounded fine, or vinegar, in which non has been standing, or shuff, or rhubarb and cayenne pepper, or feeding them with coarse hommony, and a pepper-corn now and then, or a piece of garlic.

> Some thank that the worm is the offspring of the lice on hens, which we think is impossible: others, that it is more generally picked up by the chicken out of dung heaps, either in the egg, or just after being hatched; others, that they are spawned in the windpipe by the parent worm and hatch out there; others, that the eggs are deposited on the nosirils of the chicken by a winged insect, and then batch, and find their way into the windpape.

> Chickens are most affected with gapes in wet weather, when worms are most likely to breed; also when catarrhal complaints are most frequent. Keeping them up in a dry warm place during wet weather is a good protection. In addition to this the hen house should be kept clean, warm, and dry, and be thoroughly whitewashed inside and out every spring and fall, with a wash made of lime pretty well sprinkled with salt.

We fe I quite calpable in condensing so much from Mr Conneit's excellent little work; yet th's should tempt our young readers now to purchase it, for they will find not only this subject but mest others regarding poultry fully treated. together with handsome woodcut illustrations of the text. With this work in his library, and strict attention to its precepts, every boy would be able to raise fowls successfully and profitably. -Am. Ag.