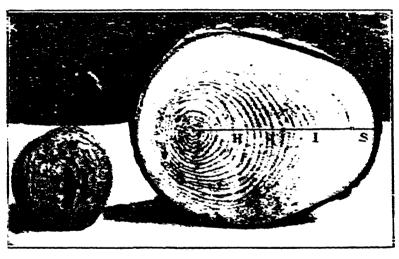
PRUNING THE ORCHARD.

RUNING is a means to an end. In the practice of pruning there should be in the mind of the operator, some definite purpose in view. The kind of pruning will depend on the purpose for which the tree is intended, whether for wood, for fruit, for shade, or for ornamental purposes.

NATURAL PREVING. Trees under natural conditions are constantly being pruned. Every fall nature strips the trees of their leaves. This is their regular annual prun-

ing knife, comes along and removes the dead branch. In this way trees are constantly ridding themselves of useless branches, and the pruning so effected is indoubtedly a benefit to the branches that remain, and to the general growth and improvement of the tree.

ARTHERM. PRUNISG. The trees of the orchard by virtue of selection, hybridization and cultivation are in a highly specialized condition, and to be maintained so must receive special treatment. The fruit tree is in



Fr. 2216

Fra 22xt.

Fig. 2216. A pointed nound almost beated over Fig. 2217. Cross section of trunk of apple tree. S. Sapscood, I. Porto a charging from Sapnord to Heartwood, II. Heartwood. At the outer end of the line is the thin cambium layer inder the back.

ing. Besides this, there is a continual pruning of bads and branches. If every bud on a tree were allowed to develop, the tree would become a veritable brush-pile. The bads most favorably situated as regards light, get most neurishment, and the less favored become starved and drop off. The lower limbs of trees and those within the crown become weakened and die from Lok of simlight; then the wind, nature's prina sense a machine for manufacturing fruit, and intelligent pranting is one of the means by which it can be made to manufacture the most fruit of the best quality in the shortest time and to keep up the output for the longest possible period. A correct understanding, therefore, of this machine and all its working parts, is necessary to its most successful manipulation.

Since tent of the Tree. If the truck of