

growth, the vine should again be cut back. as in the first instance, leaving only two or three buds near the ground, and from these, if the vine is strong, two shoots and two only should be permitted to grow during the second season for the permanent trunks, if the Double Kniffin system is adopted. If the growth of the second season is not strong, the same cutting process should again be repeated.

At this stage the permanent trellis may well be erected. At each end of a row a stout post is set and firmly braced. At intervals of twenty feet, or twice the distance of the vines in the row, the intermediate posts are set, thus allowing two vines in the space between any two successive posts. For this method of training, the posts should be long enough to stand five and one half to six feet above the ground, and two No. 10 wires are stretched along the row, the lower thirty-six to forty inches and the upper sixty-six to seventy inches above the ground. These wires are stapled to the posts, but except at the ends, not so tightly as to prevent the slack from being taken up from time to time. If the growth of the second year is strong and vigorous, one of the two shoots referred to above, may be permitted to grow until it reaches the lower wire and the other to the top wire and each have its tip pinched off when it reaches its respective wire. This will usually cause the development of two or more lateral branches, one of which may be trained in each direction upon its own wire and tied loosely, all others being pinched out. If this pinching of the tip should not be done at the proper time, each cane at the annual pruning time should be sharply bent at its respective wire and tied to it. This will commonly cause the pushing out of a strong shoot, when spring growth begins, at the point where the bend occurs, and this shoot can be trained out upon the wire in the opposite direction and loosely tied to it.

The object in either case is to produce two main upright stems, one stopping at each wire, each with a T-shaped head whose branches run out horizontally upon the wires. If the T-head is complete at each wire at the end of the second season, the horizontal canes, after the wood is well matured,