

warm and sunny, the earth will have absorbed more heat, and consequently the difference in favor of the thermometer on the ground will be more than if the previous day had been cloudy. The difference of the five degrees of heat on the fruit during cold nights, just when the fruit requires it most, is a great advantage, causing the fruit to ripen much faster, and the quality to be far better.

CHAPTER XI.

HOW TO MAKE A WHEELBARROW AND LARGE BOX FOR THE BARROW.

When the fruit is ready to gather, the first thing wanted is a light, first-class wheelbarrow. The ordinary make is about as heavy again as required. They will weigh from 60 to 75 pounds. It will be found that a light wheelbarrow adapted to the work will be a saving of at least one hour each day, which will be equivalent to at least one dollar every ten days. Viewed in this light it will be seen that it is a matter of no small economy to have a barrow adapted to the work. The barrow I am about to describe when finished will only weigh 30 pounds. If made as described it will carry three bushels and will last longer than the heavy-made one. The wheelbarrow and tomatoes will weigh 200 pounds. If put on the heavy wheelbarrow the man or boy would have to push a load of 40 pounds extra each way, every trip to the field and back. Now if a man could wheel in 60 bushels a day with a 70-pound wheelbarrow, with less expenditure of strength he could wheel on the light wheelbarrow 80 bushels.

DIMENSIONS OF THIRTY-POUND WHEELBARROW.

Height of wheel	20 inches
Width of tire	1 $\frac{1}{4}$ inches
Length of axle, inside measurement	12 inches
Length of handles	4 ft., 9 inches
Size of handles	1 $\frac{1}{2}$ by 1 $\frac{1}{4}$ inches
Width between handles inside at ends	20 inches

Bolt a block of hickory wood on lower edge of handle 2 $\frac{1}{2}$ inches deep and set the axle of the wheel in it, 1 $\frac{3}{4}$ inches below the handles. Three cross bars 1 $\frac{1}{2}$ by 1 $\frac{1}{8}$ inches; the first bar one inch behind wheel; the second 21 inches behind the first bar, outside measurement; the other bar in centre. Fill in the bottom between the handles with the best pine lumber slack $\frac{1}{2}$ inch thick and 21 inches long. Set on dashboard on a square with the bottom, made of half-inch pine and 10 inches high. Legs 1 $\frac{1}{2}$ inches square and 15 inches long from top of the handles. Make frame of very best second growth hickory or white