



FIG. 2695. APPLE PACKING IN THE ORCHARD. A PICKER EMPTYING HIS BASKET ON THE PACKING TABLE.

It is a little more expensive than lime, but the advantages are in its favor. Five pounds of the soda are needed to neutralize the four pounds of sulphate of copper. The formula therefore would be:

- 4 pounds copper sulphate.
- 5 pounds washing soda.
- 40 gallons of water.

SPARKS' EARLIANA tomato has been tested for three years by Prof. Macoun, horticulturist at the Central Experimental Farm, Ottawa, and has proved itself the best early variety out of 93 varieties tested; the first fruit having been gathered on the 29th of July. The seed was sown in hot bed on April 3rd, the plants pricked out into strawberry boxes on April 25th, and planted in the open ground on June 2nd, four feet apart each way. The fruit is not only very early, but also of good size and quite smooth. The total yield of five plants was 77 lbs. 6 ounces, or about 15 lbs. per plant.

#### HARDY APPLES FOR THE NORTH.

**W**HILE in the most northerly parts of Ontario crossbred Siberian Crabs are the most promising varieties of apples, there is a line south of which

some of our hardier varieties of *Pyrus malus* may be successfully grown, and in view of the rapid settlement of the parts we cannot too soon determine what varieties may be safely recommended for cultivation. Fisher, of Montana, Sta. Rept. 1902, reports on 64 varieties planted in 1895, of which only twenty-six are alive, and of this number only eight are worth growing. These are Wealthy, Yellow Transparent, Duchess, Okabena, Hiberna, Tetofsky, Longfield and Gideon.

#### THE WEALTHY APPLE.

The Wealthy apple seems to be growing in favor on all sides, and especially along the northern limits of its growth. It is perfect in form, free from spots, does not need spraying, is little affected with codling moth, and is withal beautiful to look upon and pleasant to the taste. Almost the only fault found with it is that it drops early from the trees, and this can be obviated by early harvesting. Mr. W. T. Macoun has an acre of Wealthys at the Central Experimental Farm, Ottawa, and has been exporting them in bushel boxes, tastefully packed. His records show an average profit for four years of \$121.38 from trees set ten feet apart in the orchard each way.

Prof. Macoun exported his Wealthy apples to Glasgow last fall, and was much pleased with the result. On the 1st of October, 1902, he forwarded 59 cases of Wealthy in boxes measuring  $10\frac{1}{2} \times 11\frac{1}{2} \times 22$ —the California 50-lb. apple box—and they were sold at 6s. 9d. per case.

#### SCAB ON THE APPLE AND PEAR.

**E**VERY season, unless climatic conditions are peculiarly unfavorable to its growth, this fungus becomes more and more troublesome to the fruit grower. Varieties that once were immune are now quite subject to it, and a large part of the crop is unfit for market, both