stock I use a sharp saw pretty widely set. When the wood to be used is heavy, I saw out a long wedge, deeper on one side than the other ; cut the graft to fit tightly, tie it and replace the earth firmly up to cover the whole bud a little, and put a handful of saw-dust on it to keep from getting a crust to prevent the bud from pushing through. I prefer grafts with two eyes, unless too long jointed. As to the time of grafting, there seems to be but

If the grafting is done late, the grafts to be used should not be kept back, but may be in full sap and the buds well swollen. If too dormant, they will be drowned by the sap from the vine before they have time to cal-lus. And when they do begin to grow and suckers rise from the stock, great care must be taken in removing them. I invariably stick a little pine stick one inch south of each graft, so that the exact place of the bud may be known.
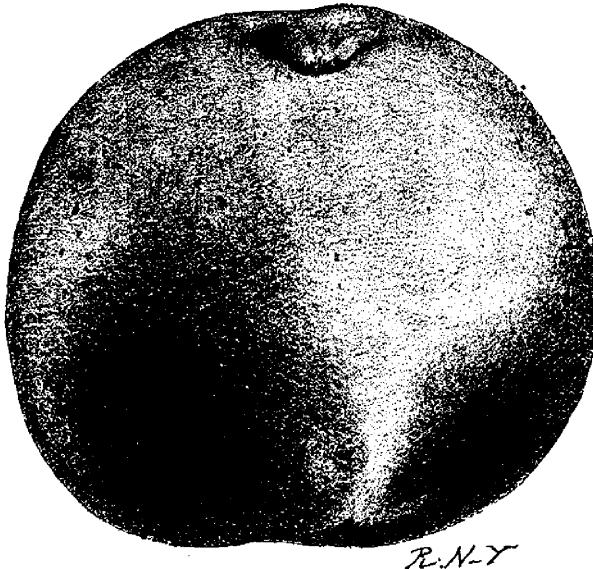

FIG. 36.—THE PRINCESS LOUISE, OR WOOLVERTON APPLE.

little difference from the time the frost is out of the ground until the vines have grown two feet. As to the bleed-ing, as it is called, this is a mistaken notion. The greatest success I ever had in grafting on two year stocks in the nursery was in cutting off the vines; when they were so full of sap, that as the clippers would snap off the vines on its little spring, the sap flew up into my face. There is much more in the condition of the grafts to be used. These must be of well ripened, sound wood, taken off late in the fall before severe weather has occurred.

The Princess Louise, or Woolverton Apple.

MESSRS. SMITH and KERMAN, of St. Catharines, have of late been exhibiting fine samples of this valuable new apple at the meetings of the various Horti-cultural Societies. It was shown at our annual meeting at Grimsby, at the last meeting of the American Pomo-logical Society at Boston ; at that of the Western New York Horticultural Society at Rochester, and at our win-ter meeting at Ottawa ; and now that it has been favorably noticed by the fruit committees at all these places, it