and burn it, then roll and flood; the grass burn if you do not have too many vines

CHAPTER X.

EXCESSIVE HEAT.

Heat is more destructive to the crops than any one has an idea of, when the berries are about to change from white to their ripening color, a temperature above eighty-three degrees will soften them and I should advise running water through the ditches.

CHAPTER XI

HOW TO MAKE FLOOD GATES.

One kind of flood gate will not work in every marsh; therefore it is hard to describe one to suit all. I would advise the visiting of different marshes for choice. I give you one here by Mr. Charles Kruger, grower, said to work admirably. First put in stops by digging out a trench for putting in the gate, dig ditch one foot wider than common width about three feet deep or two feet below the bottom of the ditch, start a well curb twenty inches high, sixteen feet long, five feet wide, for six foot ditch, others in proportion; nail two by four spike at centre and then another, put on top even with top of curb and spike, fit in bottom boards and mark one, two, and three as may be; then remove them ready for use and settle in curb so that the top joist will be four inches lower than the ditch, throw same dirt back and pack it good inside and outside of curb, fill even with joist, bail out water low enough to nail in bottom boards as numbered, and sideboards; sideboards should be nailed on inside, instead of outside of scantling. This will leave a