

sprinkle the bed with one-third part of the solution. Make another layer of eight inches of straw, applying quicklime and the solution as before. Repeat for a third layer. Upon this make a fourth layer of straw, and upon it sprinkle the four pounds of saltpetre dissolved in thirty gallons of water. Place the box in position, bank up outside, within the box spread three inches rich, finely pulverized earth, and put on the sash. A heat will soon be generated which will continue for two or three weeks.—Landreth's Catalogue.

THE GRAPE HOE.

We show an engraving of a most useful tool in the vineyards, which was recommended by Prof. Hutt, at Peterborough, as being of so much service in the New York State vineyards. After cultivating the rows, this tool will take out all grass and weeds that remain under the wires, and around the vines and posts, and will thoroughly stir the soil close to the

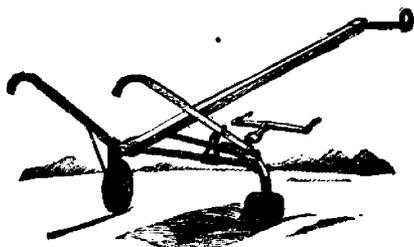


FIG. 435.—THE GRIMSBY GRAPE HOE.

vines. Without careful attention in driving, the hoe is guided in and out around the vines by the dirk castor wheel, to which the handle is attached. The horse is hitched to one side of the pole, which gives plenty of room for the plow to work under the vines or bushes without injury to them from the horse or the whiffletrees. The engraving is shown by courtesy of Messrs. John H. Grout & Co., of Grimsby, Ont.

Commercial Fertilizers for Strawberries.—Land of medium fertility requires but little, if any, commercial fertilizers. Good results have been obtained from planting cow peas between the rows late in July. Open a deep furrow between the rows, drill in the seed at the rate of one and a half to two bushels per acre, cover with a cultivator or harrow so as to leave the soil in proper shape about the strawberry plants. The shading of the land during August and September, and the vines lying between the rows during the winter months is a decided benefit both to the land and to the strawberries. Properly managed, land in strawberries increases rather than decreases in productiveness. With more or less vegetable matter growing on it during the greater part of the year, and exposed to the sun only a part of the summer, the mechanical condition is being constantly improved, and the vegetable matter plowed in adds fertility.—Miss. Exp. Station.