

manipulations" of careless cartmen, as I was compelled to do when applying it to nearly seventy acres.

The most remote field from the barn yard, and long considered the poorest on the farm, coming into corn cultivation last spring, I was anxious to bring it up to an equality with the others. It had also been hardly treated of late years, having had two crops of corn and one of oats in succession taken from it, with the hope of destroying the running brier, with which it was much infested. I procured 1500 bushels of unslaked Schuylkill lime, delivered to me at a cost of 17 cents per bushel. It came from the vessel in large rough looking lumps of stone, and I had great fears that it would not slake thoroughly; however, two hands were kept diligently at work in pouring water on it from the river, and it slaked beautifully. I am now satisfied that it slaked more than two for one, and that from my purchase of 1500, I obtained in the neighborhood of 3500 bushels of slaked lime. It spread remarkably well, being better pulverized and less sticky than any other lime I have handled. In consequence of the backwardness of the spring, and the late period at which I received the lime, I was unable to conduct its application with all the accuracy and care I desired. The field, of about 70 acres, having been flushed to the depth of from six to eight inches, a few acres were measured and staked off, and the quantity of lime contained in an ordinary cart-load was also measured. It was then regularly and evenly spread from the cart, at the rate of 50 bushels to the acre. After the spreaders had got their "hands in" in this way, it was continued over the remainder of the field as nearly as possible at the same rate; but having the eye as the only guide, it was not, of course, applied with the same exactness as in the commencement. It was incorporated with the soil in the process of harrowing, prior to planting, and by the subsequent cultivations of the crop.

The greatest product of this field, within my recollection, under the most favorable circumstances, was but little over 600 bbls. Now, although the last corn crop on this, can scarcely be considered more than two thirds of an average crop, so far as I can learn, I have the pleasure to inform you that my field yielded seven hundred and eighty barrels (*at least 150 more than it ever before produced,*) this too, without the aid of other manures, very little having been applied in consequence of my intention to lime the land; and in spite of a severe storm about the middle of July, which broke off a great number of stalks, and so completely prostrated many others that they failed to yield. I forgot to mention that on some six or seven acres of this field, Baltimore county lime was applied in the same manner as the other, but by the neglect of my overseer, the precautions which I directed, were not observed, and no accurate comparison could be made in the