2nd March and 17th April. This work was all done by the piece, except carting and laying the tiles, and as I consider it a thorough specimen of the manner in which such work may be done economically to the land owner, and affording a full remuneration to the labourer, I subjoin a more particular account. The field lies very ad-vantageously for draining, having plenty of slope and, except in one or two places, no veins of sand were found to impede the work. Nearly the whole of the land was of a very stiff clay, the upper portion of it especially, nearly eighteen inches of the bottom having occasionally to be removed with a pick axe, so that I allowed the men to run the upper third of some of the hardest of the drains only from 12 to 15 inches deep, the remainder of the branch drains being four feet, and the main drains 1 feet 6 in., and The land drained consisted of 15 5 feet deep. acres, embracing a garden and orchard 14 acres, and a field containing 123 acres, which had been ploughed into nine pace lands the previous au-This was rather closer than necessary tumn. The work was perhaps, but no disadvantage. commenced on the 2nd of Murch, the ground being quite solid with frost every where except in the open furrow. These were broken into without much difficulty and the tiles laid therein.

The total cost was as follows:

1279 ro	ds digg	ing and	l filling a	nt
10	d. ev			.8213.17
141	16	"	at 1s. 0d	. 28.20
$12\frac{3}{4}$	45	"	at 1s. 3d	. 3.18
5200 1½ inch tiles at \$6.00 31.20				
17780 2	4.6	"	$5.50. \dots$. 115.57
1920/3	"	" 1:	2.00	. 23.04
250 - 4	"	" 2	0.00	. 5.00
330 - 5	44	** 3	0.00	9.90
263 days labour laying tiles at 75c. 20.06				
6 days extra work 4.20				
Tools-wear and tear and repair 12.25				
Carting tiles from Yorkville, four				
				. 48.30

1433 rods, say 4½ miles, at say \$114.12 per mile.......\$514.07 \$34.27 for 95½ rods per acre.

About twenty different men were employed, and of these only three had done any work of the kind before, yet in doing 1163 rods at 10d.; 101 rods at 1s., and 13 rods at 1s. 3d., eight gaugs of men earned by 303 days work, 59, 62, 67, 70, 77, 79, 84, and 37 cents per day respectively for each man in each gang. At the latter part of the work, several of the men earned a little over a dollar per day, averaging six rods per day.

This ground, with the rest of the farm, was rented on shares, and was planted with potatoes. The upper part of the field yielded at the rate of 210 bushels per acre, but the lower part, though naturally the richest land, from being

encumbered with some very heavy elm and other trees, did not yield nearly so well. The cro moreover, was carelessly cultivated, not have been worked amongst between the last hama ing, after the potatoes came through the grand their being earthed up with the place which too was done when they were in bloss; A very different yield would have been there; of proper attention between those periods. It the case and satisfaction one experiences in the capability of thorough and deep cultivation land, at all times after draining, that makest treatment especially profitable, particularly the case of clay land, which thus becomen only dry but thoroughly acrated, wherebyin; as it were, decomposed through the action of atmosphere admitted into it, the soil being for at all times and seasons in a mild, friable or tion, well fitted for the germination and gor of any seed or plant, be it naturally ever sut der and delicate when young or at any & period.

As to the results of drainage on my ownk I have been disappointed in one particle which I will remark upon presently, but in will I was certainly over sanguine. In every of respect however, it has been eminently suggested ful. I have been enabled to commence we upon my land of all qualities and in all situative high and low, clay and sand together, ther ment the frost left the ground, in fact one & I harrowed before the frost was entirely a Upon all I have set my ploughs and other in ments to work whenever it was not absolu raining, whether it was upon clay or sand, her or hollows. This alone will be recognized: immense advantage. No water is ever sea the surface of any of my land, though le limit the width of my feerings generally the paces, for the convenience of turning on. headland, and in no case do I draw a waterfor across the field or open any between thek after seeding. I have also grown large cop swedes, mangolds and carrots on clay lands! merly so stiff that potatoes could hardly be through the crust, and on low parts of sa fields where formerly Indian Corn seed we rot in the month of June, and turnips would tain but a sickly growth though sown near l. and water weeds of the most noxious descript would choke out the stronger grain crops, It grown very large swedes, and spring wheat straw 41 feet high, of the clearest and bright yellow hue and of almost flinty hardness, it particle being laid though of such vige growth. Of the results upon the growth of wheat I have spoken above. This was gr upon land which to the present day has t ploughed but twice-once for the pens draining, and once after harvest, preparato, sowing the fall wheat seed; and though portion of the field was of a sandy, much scription, and the straw was six feet high