dition. Every farmer should have under-livation more or less of these crops, which now become an absolute necessity in any-tem of farm improvement. The relation tween stock, grain and roots is every day be-wing more apparent and important; constiting as it does, in connection with thorough there and drainage, the soul of modern hus-widty.

Salt and Lime.

Since writing the remarks on salt in reference the enquiry of a correspondent on another re we observe from an American exchange that article is sometimes profitably applied the States to field crops, particularly old wing or pasture lots, where the grass is, as it termed, "running out." The quantity sown ad cast in its crude states, varies considera--, from three or four to as much as twenty shels per acro. It is said to be effectual in lling worms and insects, when applied in edoses; that is at the rate of twelve or sixn bushels to the acre. Thus applied it will I weeds on garden walks, and on asparagus 15, and the asparagus itself will be benefitted. ne care however is necessary in applying it growing crops, for if used in too large quanesit will injure or destroy them. We rememı many years ago seeing a strong solution of tapplied to pasture land, in Englad, which arently destroyed the vegetation through summer, the surface appearing perfectly wn as in a severe drought, but the rains of umn awakened up the grass, which soon put its usual green livery and grew-luxuriantly; both cattle and sheep preferred that part the field, which had been salted, to any other a year or two afterwards. In Upper Canada, ich is considerably removed from the direct on of oceanic influence, it is reasonable to 's, that the action of salt will be found more erful than in situations lying contiguous to

ne notice in a recent report of an English icultural Society, that one of the members been in the hapit of dressing land intended 250wn with wheat in the fall, with a mamade of a ton of lime to half a ton of salt, mixed together some weeks before it was the had applied it after summer fallow

for a long period with marked and invariable success. Whenever he was afraid of a crop of wheat going down, he always applied this dressing, which had always secured a good crop of clover; generally ploughed the land, and then applied the marture to the surface. The lime and salt should be mixed some time before they are used, for the more completely they amalgamate the better. The mixture stiffens the straw, and prevents it going down by heavy rains, while it increases the quantity and improves the quality of the grain.

Preparation of a new Artificial Manure.

We find in a recent number of the "Journal de la Societe Centrale d' Agriculture de Belgique," the details of manufacturing a very powerful artificial fertiliser, from which we condense the following facts for the benefit of our readers. The experiment was made on the property of M. De Bryas of Saint Florent, in Belgium, and the result is said to have far exceeded his ex-He threw into a pit containing pectations. about 2000 hectoliters, and which communicated with another pit capable of holding 500 hectoliters, a dozen of dead animals, horses, oxen, &c.: two or three thousand oilcakes, a quantity of concentrated sulphuric acid, and 400 kilogrammes of vitriol of iron. This having been well mixed up, and then allowed to lie, formed so powerful a manure, that by using 300 hectoliters of it to manure a hectare of land, a very rich crop has been produced, although it had not been manured for three years.

Subsequent experiments appear to demonstrate that this artificial manure will extend over a surface eight or nine times greater than the same quantity of ordinary stable manure would; and the effects produced on vegetation are far more important. In all large cities the amount of fertilising matter that can readily be obtained from dead horses, and other animal substances, is considerable, which is too often allowed to run to waste and occasion much annoyance and positive mischief, instead of, as it should do, go to the increase of garden and field crops.

One of the turnels on the Baltimore and Ohio railroad is lined throughout with cast iron, and lighted with gas.