

Ammonia.....	2 to 2½ per cent.	\$15.00 price in Eng.
Soluble phosphate...	20 to 22 " "	32.00 " here.
Potash	1 to 1½ " "	17.00 balance.

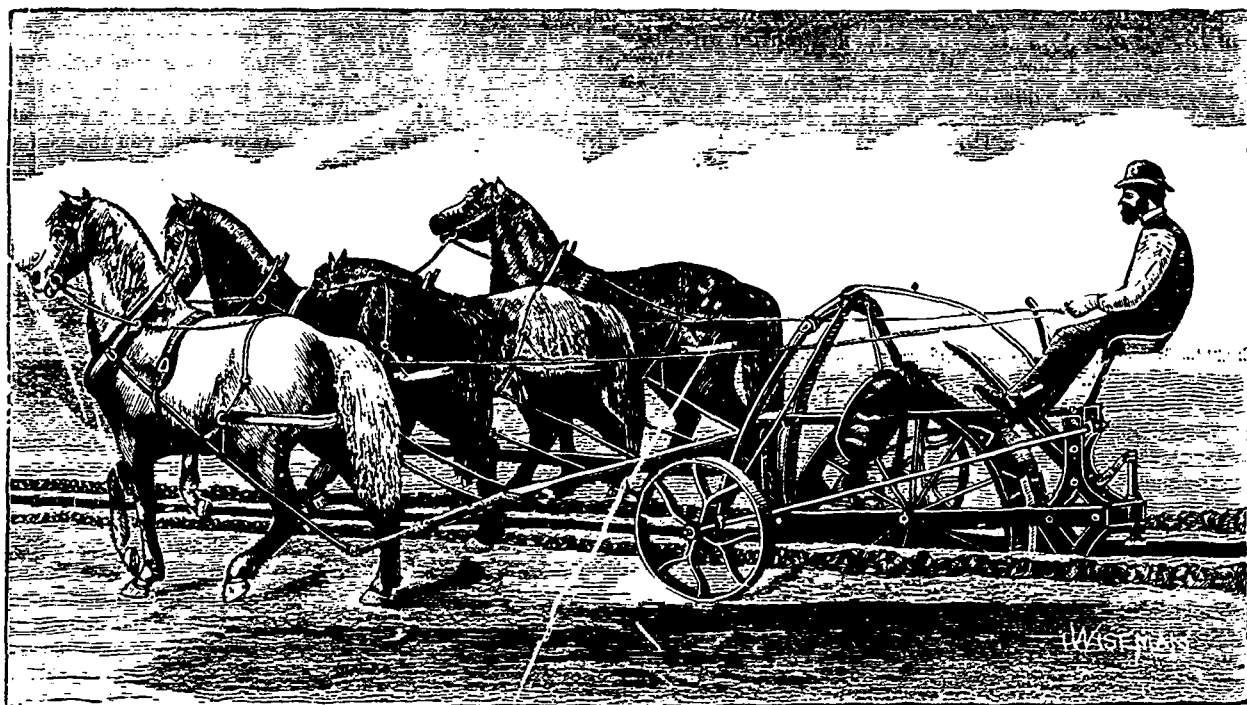
Ammonia	4 to 4½ per cent.	\$19.20 price in Eng.
Soluble phosphate...	16 to 18 " "	40.00 " here.
Potash	7 to 8 " "	20.80 balance.

PLAIN SUPERPHOSPHATE.

Soluble phosphate...	24 to 26 per cent	\$10.70 price in Eng.
		26.00 " here.
		15.30 balance.

Pacey's rye-grass.	8 lbs.....	\$.80
Timothy,	6 lbs.....	.18
Orchard grass,	7 lbs.....	1.50
Meadow fescue,	3 lbs.....	1.05
Red-clover,	3 lbs.....	.45
White-clover,	1½45
Alsike clover,	1½30
	30	4.73

On very light soils, in poor condition, there would be no use in sowing the Orchard grass. In such a case I should replace it with 5 lbs. of rye-grass. Mr. Ewing has some doubts about rye-grass standing our winters, but it bears an immense deal of cold in the North of Scotland, and in the province of Ontario Mr. Brown recommends it, so I should not be afraid of sowing it. There is no *cow-grass*—*trifolium pratense perenne*—to be had in Montreal. I am sorry for it, as it is a most valuable constituent of permanent pasture.(1)



THE ELEVATOR DITCHING MACHINE.

As long as our manufacturers of artificial manures persist in charging such prices, so long must they expect their sales to be restricted. I see Dr. Hoskins did me the honour to transfer a paragraph on this subject, p. 34 of the March number of the Journal, to the columns of the Vermont Watchman; and in his remarks thereon, he showed plainly that he and I are of the same mind. (1)

Grass seeds—For grass intended to lie out four or five years, I, after a good deal of consideration, am inclined to recommend the following sorts and quantities. Mr. Ewing writes me word that he has Pacey's perennial rye-grass for seed at ten cents a bushel. I have a sample under examination, the result of which I will communicate to my readers as soon as it is complete. (80 °/100 grew.)

(1) The extra profit in the above cases varies from 102 °/100 to 143 °/100.
A. R. J. F.

The grasses in the above list are quite enough for an acre of land; for the arpent about one-sixth may be deducted. A pasture of this kind can be fed down as often as may be desired without injury to the plants. I should rejoice greatly could I succeed in giving the death-blow to the ordinary meadow composed of timothy and red-clover.

In sowing grass-seeds, I prefer sowing the mixed grass-seeds by themselves, and then the mixed clovers, unless a trustworthy seed-barrow and a good seedsman can be employed. If you mix both classes of seeds together, proceed as follows:

Lay the rye-grass seed &c., on the floor of the barn in a flat-topped heap and pour the clover-seeds over it, turning the mass over and over with shovels until the seeds appear thoroughly mixed. Although the clover-seeds are very much

(1) I have just had a letter from Mr. Ewing, in which he says "as I have received an offer of rye-grass seed from Megantic, I think that shows it is hardy enough."
A. R. J. F.