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OUR ENGRAVINGS.

Hereford Cow; Lucy.  
Jersey Bull; Pedro.

I regret to say that some very neat illustrations of oats and tares cannot be engraved on account of parts of them being in two colours.

TARES OR VETCHES.

Sorel, August 13th, 1885.

I observe a general error prevalent in this province. It is supposed that tares will yield a crop if sown without manure!

Now tares are just like every thing else, they will not grow without food. It is true that on certain heavy loams in good condition fair crops of tares can be produced without dung, but this is a case of such rare occurrence with us that we may neglect it. No forage plant pays better than tares, if the land is properly prepared, and no crop pays worse if the land on which they are sown is poor and in a rough condition: the roots being very fine require a thoroughly pulverised soil to spread in.

There are two sorts of tares: the winter and the spring tares. The seed of the latter is larger than that of the former, and the yield perhaps greater in bulk of green meat, but the quality of the winter tare is so much superior, that with us, in England, no farmer who understands his business ever sows spring tares at all: the winter kind is sown in the spring by preference.

The tare belongs to the order of the *Leguminosæ*, the order to which the bean, the pea, the clovers, &c., belong. Therefore, theoretically, plaster should aid the crop, and as usual, what is true in theory is true in practice: plaster does aid the crop, and very much too, but it won't do every thing. Ashes, both of wood and of soft-coal, do a great deal of good to this plant, but they won't do alone. Phosphoric acid, in the form of bones or superphosphate, is an excellent application, but, in spite of M. Ville, without nitrogen the largest amount of this crop cannot be grown. Ville, a decidedly thoughtful man, has gone a long way with Sir John Lawes, but he stops short of the latter's conclusions in more places than one. Here is M. Ville's formula of manure for tares:

Superphosphate of lime.....	352 lbs. per acre.
Chloride of Potash.....	176 " " "
Plaster.....	352 " " "

According to his idea, nitrogen is not required. I have grown tares for many years, and I always found that, within certain limits, the crop was in proportion to the dose of nitrogen administered. In fact, so strong is my opinion, founded on long experience, on the point, that I should prefer a simple nitrogenous manure, sulphate of ammonia for