Fall Feed.

Owing to the severe drought adverted to in our last, and which still continues at the date of this writing, a scarcity of fall feed appears to be inevit-Working horses and milch cows can only be kept in good condition already, by giving them well nigh the winter's allowance of dry feed supplies of winter fodder during the coming season are foreseen, and, as a consequence, hay has risen in price, and farmers are selling and killing off an unusual proportion of stock. Economy in the care and use of hay, straw, and winter forage generally, is the lesson of the hour. Straw should never be wasted, least of all in a season like this. It will be good policy to use other material for bedding stock during the coming winter. Dry muck, forest leaves, saw-dust, and various things possessed of soft and absorbent qualities, may take the place of straw as bedding, and leave it to be employed for food. Clean, well-saved straw is as good fodder as much of the hay which comes into the market. Chopped fine in a cutting-box, and mixed with bran or meal, it makes a palatable and nutritious feed, on which horses can work hard, and yet keep in prime order. Corn-stalks, chaff, turnip-tops, the small potatocs, fallen apples, pumpkins, and whatever stock of any kind will eat, should be taken care of, and fed out with judicious economy at such a time as this.

It may be that late rains and an unusually line. long fall may improve the winter outlook, and afford a prospect of greater plenty than we have at present. But it will be wise to prepare for the worst, and take all possible precautions. The autumn is now advanced, and even though growing rains should visit us, early frosts will be apt to check the growth of grass and other herbage, so as to keep the forage supply scanty. Whatever may be the character of the remainder of the season, it will be good policy to husband all resources, and dole them out, not indeed with pinching paisimony, but with judicious care. Let it not be forgotten, amid other points of good management, that stock well kept in the fall, winter casicr and better than if let go down in flesh; and last but not least, that comfortable, warm stabling is a great means of lessening the consamption of winter feed, and also every way promotive of the welfare of animals.

The Clover Crop.

Trobably as other crop is so badly managed as the clover crop, none is put in the ground in a more careless manner, and none is used so hardly, for it is pastured in the spring, up to the moment, then cut for hay, and then again for seed, and again pastured

EFFECT OF PLASTER.-It has been shown that at the Michigan Agricultural College a single bushel of plaster added a full ton of hay to the yield of an acre of ground in the five, most of it in the four mowings that followed—two crops being taken off the ground each of the two years succeeding the sowing of the plaster.

Agricultural Emplements.

Machinery for Land Reclamation.

In the CANADA FARMER of the 1st inst, there appeared, under the head of "Steam Cultivation, a short article from the Farmer (Eng.) relating to the work of land reclamation now going on at Lairg, under the direction of the Duke of Sutherland; and as most of our readers will no doubt feel interested in a description of the machines and appliances used m accomplishing the wonderful results therein stated. we offer no apology for returning to the subject.

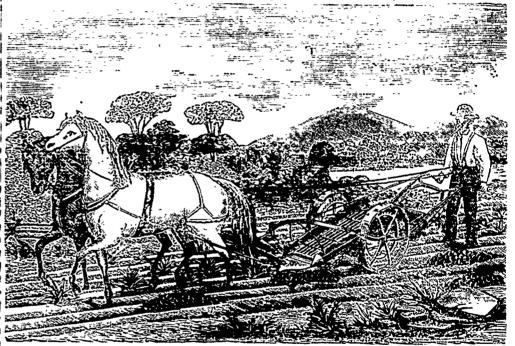
It has already been stated that the land operated is done by steam power. A chain attached to the where stones are required for fencing or building. rope belonging to the steam engine, and composed of and taken away with as much case as a man would steam, is used to assist in making the sub-drains, pull up mashraoms. "Nothing we had previously | This is also something like an anchor, with two small seen, writes a visitor, "gave us such an idea of the wheels in front, and by bringing it along the same stup calous power of steam—though, of course, the line twice, the soil is loosened to a depth of about

The work was well done, though once or twice it was observed that in soft places the soil was pushed along for a short distance in front of the plough, instead of being turned clearly over.

After the plough followed a number of laborers to pick the stones out of the open furrow and throw them back.

Another very simple, but most useful 'mplement was the machine for gathering the stones off the land, also worked by the steam engines. It is something like a box without a lid, covered in at the ends, open in the middle, and slightly curved, like the rockers on a rocking-chair. This is dragged over the land upside down, and collects a large number of stones underneath it. It is then turned over by upon is a vast moor, and the first operation is to clear isteam power; the stones are thrown into it by hand, the same of trees, where those happen to exist. This and it is then dragged away, and discharges its load

Wide, open drains are being made, as main drains, steel wire, is fastened round three or four trees, in various places by manual labor, to carry off the which are then torn up, roots and all, by the engine, water; whilst an implement, again worked by trees were not e "y large, nor their roots very deeply three feet. The rest of the entting and the throwfixe h." The plough used in breaking up the soil has ing out of the soil is done by laborers.



a sort of double share, with one breast, turning on a land rosts of trees, which are too large to be taken hinge, so that it can work both ways. At each end, out by steam power, are blasted by dynamite, in front of the share, there is a large steel wheel which. The cost of the works, including clearing, ploughin the fall, until winter stops its growth, when it is in front of the share, there is a large steel wheel which left to be frozen and thaved and exposed to every cuts through the turf or heather, and makes a lipe in change of weather until spring comes again, then it which the share follows; in addition, at each end, is pastured until it is time to plough the soil, or what is left of it, for corn.

It is notat all strange that when this crop is so used its full value is not appreciated, although the fact on each soile, perhaps three feet broad, which prevent is full value is not appreciated, although the fact on each soile, perhaps three feet broad, which prevent is some of the study which is turned up is clayer, some time and when was cuttivated has year are very good, both oats and turnips, and some of the land when is a special some of the study ince mixed soil. The land which is turned up is clayer, some of the study which is turned up is clayer, some of the study whitish said some of the study white is turned up is clayer. many proofs we have that its value is greatly unplough. This presser is on the whole necessary and did we not know by experience that such land is sometimes much better than it appears, we should here, but when it is cut for hay it is very rarely that in its proper place the enormous furrow, one, we of the crop.

When clover is in full blossom it is at the control of the crop. this is done in such a way as to secure the full value of the crop.

When clover is in full blossom it is at its point of might otherwise fall back again. The plough is said greatest value for feed. It then contains a much to be able to turn up about 11 acres per day, which greater amount of nutriment, and much less of indiges we think probable, because, although the pace does tible matter than when fully ripe.—N. Y Times and a mean much greater than that of an ordinary not appear much greater than that of an ordinary horse plough, the furrow is considerably broader

> "It was wonderful, says a correspondent of the Mark Lane Erpress "to see the plough going over stony ground, turning up many large stones, and spoken of as being at once simple, durable and cheap, passing over, without any apparent damage to the and, best of all, an implement that does its work machine, the rocks that were too large for it to move, well.

ing, draining, building, fencing and road making, is estimated at from \$115 to \$125 per acre. The crops on the land which was cultivated last year are very

The libestration given above is that of "McCallum's Potato Digger, ', manufactured by Messrs. Resamond, Her and Scott, of Almonte, a specimen of which is now, we understand, on exhibition at the Guelph bair, and which will also find its way, no doubt, to the Provincial Pair here, next week. It is highly