of the greatest service. As the roots of the thistle in dry rich soils penetrate very deep, it frequently becomes necessary, in order effectually to extirpate this enemy, to disintergrate the soil to the depth of twelve, or even eighteen inches. But in case of weeds, as in maladies of the body, prevention is the better cure; and every careful farmer, when his land is once free from noxious intruders, will use diligently the proper means of keeping it ridge tiles are turned out with equal facility. clear. A slovenly farmer, harbouring and maturing upon his land weeds instead of grain, is an absolite nuisance to a whole neighbourhood.

HIGHLAND AGRICULTURAL SOCIETY.-We perceive, from our recent Scottish exchanges, that! this important society, the first that was formed in Great Britain, and which has done so much for the but in various parts of the world, continues in a flourishing condition. The monthly meetings of members, held in Edinburgh, have become still the society is in a promising condition; although it has not as yet received that degree of support Glasgow; and an effort is making to have the meeting of 1851, at Perth. We are glad to see that the society is likely to be able to resume its annual exhibitions.

Drain Tile Machine.—We had the pleasure at the New York State fair held at Syracuse, of an introduction to that enlightened and enterprisful introduction of this most indispensable branch Michigan Farmer. of agricultural improvement. In the last number of the Genesee Farmer, there is an illustrative, va, has on his farm a cow, which probably gives in England, and also a list of prices for the differthe information of our readers-

DRAIN TILES.

4 inches high, by 15 inches long at \$15 per 1000 tiles. 3 " " 12 do. " 10 do.

DRAIN PIPES.

4	inches	diameter.	15	inches long	, at \$16 per	1000 pi
3	11	"	"	4	14	"
2	"	**	"	"	10	(1
ĩ.	1 "	**	u	"	9	11
ï	" "	44	"	"	8	**

Pipes of larger size can be made by this machine, also semi-cylinders of 6 and 11 inches diameter.

The above rates are considerably higher than those in England. Greater experience, however, will after a while facilitate production and lower prices. As there are many parts of Canada where draining is much needed, and where little or no stone, of a suitable description, can be found, we think that sufficient encouragement should be advancement of Agriculture, not only in Scotland, given to enterprising persons, either by societies but in various parts of the world, continues in a or otherwise, to get a few of these machines introduced. If such an enterprise were done judiciously, it could not fail to be profitable to the more attractive, and the chemical department of parties engaged, and of immense benefit to the country.

DIFFUSION OF AGRICULTURAL KNOWLEDGE .-- In which is requisite for the full realization of its im- order to create and satisfy a taste for agricultural portant objects. Dr. Anderson, the Society's che-knowledge and rural improvement throughout the mist, had performed during the year a considerable American Union, it has been proposed by several number of analyses, some of them involving influential parties to print a large number of sutextremely complex and minute investigations. He is actively engaged in a series of analyses of pense of the federal government. There are not the turnip, grown on different soils and with less, it is calculated, than four millions of farmers various kinds of manure. Another series of analy-1 in the United States, not one in ten of whom reads ses has been commenced of the wheat soils of an agricultural book or journal. Several fresh different districts of Scotland, with a view of plans appear to have been either commenced or determining the standard constitution of such projected for giving a vigorous impulse to the soils. The exhibition for 1850, will take place in advancement of agriculture. The object is most patriotic, and richly deserves success.

PRECARIOUSNESS OF THE WHEAT CROP-We asked Mr. Thomas, of Oakland, what success he had as a wheat grower: in reply, he smiled significantly, and shook his head; and upon being a little further interrogated, owned that he had not had a decent crop of wheat in five years. Last ing agriculturist, John Delafield, Esq., of Oak-year, he had two hundred and ten acres, and in lands. Seneca County, N. Y. Mr. Delafield looked finely, and gave promise of an abundant lands, Seneca County, N. Y. Mr. Delafield looked finely, and gave promise of an abundant informed us that he had recently imported from yield, until just before harvest, but just as he was England a machine with its various appliances, about to put forth his hand to reap the reward of for making tiles, pipes, &c. for purposes of drain- his toil, the spoiler came and disappointed all his ing; a subject which is engaging the earnest atten- hopes. From his 210 acres, he only had 1860 tion of the farmers of the state of New York. The bushels, which he remarked, was about onehigh price of draining materials has been hitherto third of a crop, fifty acres of it having been put in an almost insurmountable obstacle to the succession shares. The crop scarcely paid expenses.—

ceive comprises the recent improvements made more milk than any other cow in the United in England, and also a list of prices for the different sizes of pipes and tiles, which we subjoin for gave forty-two quarts per day, which is probably without any parallel in this country. From the cream only, they made fourteen and a half pounds of butter per week. Had they churned from the milk, they would have got more butter. The cow The only feed was milked three times a day, she got was grass in the pasture. She is of a roan Soles for the above, if required, \$6.26 per 1000, largest size color, half Durham and half native breed, and is smallest size seven year old .- Journal of Commerce.