is rapidly producing the same result : the unsparing ax is busily engaged in its work of destruction, settlers seeming egger to get rid of the wood at soon as possible, and valuing their farms in proportion to the number of acres cleared. Consequently the same result may be cx; ected as at the E st, and the next generation will probably witness the same scarcity of timber and the same baneful effects from its absence that are now felt in other portions of the country.

As for the vist region stretching from the Missi-sippi, or even the Wabash, to the Rocky Mountaine, it is well known that immense tracts are entirely destitute of t ees, and it is perhaps safe to say that less than one tenth of the whole district is timbered land.

Aside from the intrinsic value of wood at d timber for the purposes of domestic economy, some interesting considerations arise from this improvident destruction of the treasure lavished upon the eastern portion of the continent by the hand of Nature.

It will hardly be denied that sterility, or at least a great depreciation of the soil, has followed the total destruction of timber wherever it has occurred on a large scale, in connection with tillage, particularly of those countries stuated south of the 40<sup>th</sup> para lel of lattitude—S.ra, Persia, the North Coast of Africa, Spain, once fertile countries, according to history—might be adduced as instances.

A little refl c ion will convince us that a total destruction of woods and ferests could hardly lead to any other result: water is an element that is absolutely indispensable to vegetable life. It is a ways within the power of man, by proper drainage and deep cultivally, to c recet the effects of superabundant moisture; but rarely can be supply the want of it by artificial irrigation, except in a very un gal manner, far inferior to that ifficiently the clouds, those great natural reservors, or by watering; a very laborious precess, necessarily confined to small patches of ground.

Now it is well known that woods have the property of attracting electricity and of making clouds disclarge their contents, particularly where they exist on elevated lands. Trues, by their shade and the leaves they deposit on the soil, prevent the action of the sun from dry ng the sell too rapidly, and the moisture is retained to be given slowly and beneficially to the ad joining lands. But this is only a part of the valuable agency of trees in agriculture; they act as natural wind-breakers, molerating its voilence to a surprising degree, and preventing its carrying off the moisture of the earth.

In those par's of cur country—Fond do Lae —which are timbered, winter wheat is an almost certain crop; not from the superiority of the soil ov r that of the praties—for the latter are equally tortile—but simply from the protection afforded against the wind by the surround n

words ; the snow remaining a long time on the ground to protect the plants, and the soil retaining sufficient moisture to bring them for ward till the herry matures, even in the dried seasons ; whereas, on the prairie, no such m tection exists : the snow that falls upon the ground is partly drifted to the woods, and the remainder rapidly disappears under the combined action of the sun and of winds that most with no obstacle, and consequently sweep over the land with ur checked violence, drying by the soil and withering the plant. For this reapor, it may be said that the cultivation of winter grains is entirely abandoned on the prairie, in this section at least, as experience has proved it to be unprefitable.

The same effect is produced, although in a more subdued degree with regard to spring crops; a dry season invariably affecting the open grounds of the prairie more injuriously than the timbered or the "cak openings?" for the obvious reason that on ve y open lands the winds carry off the moisture much more rapidly than on those places which are comparatively sheltered.

In mountainous or even hilly countries, the total destruction of timber is attended with the mest lamemtable results. Mountains receive far more water and snow from the clouds than the lowlonds, and when their flanks are entirely denuded of the forests, which a bereficiert Nature almost invariably plants there, the terrents pro uced by showers and melting snow meeting no longer with the powerful obstacles presented by the roots of trees, tear the sides of the mountains ; deep ravines and land slides occur ; and the floods, instead of depositing enriching alluvial matter in the velleys, roll upon them messes of gravel and sand which destroy their fert lity; thus causing a two-fold mischief, viz; washing the mountain side down to its primitive formation, where only a stunted vegetation can afterward subsist, and covering the rich lowlands of the valley with barren soil, besides filling the navigable channels of rivers with sand-bars.

The wonderful edaptation of the works of nature to the wants of man is strongly exhibited with regard to the vast prairies of Illinois Wisconsin, Missouri, Iowa, which are so desutute of fencing and building timber; and yet, by their climate and the fertility of their soil, are capable of maintaining a dense population. The Upper Mississippi, and many of its tributanes, by which those states are watered, mostly take their source in Minnesota and Northern Wisconsin, in a country covered with dense forests of pine which are pronounced by most of those who have visited them, to be inexhaustable; 80 that everything is ready for the benefit of man: the easily tilled prairies to supply the lumberman with food, the lumber to supply the prairie farmers with building and fencing materials, and