stantly wet, while the other is in its natural | would. tate and is dry. erature between wet and dry land. Thoough drain and thus dry the wet land, and t once the land, from having a low temterature similar to the wet bulb thermomeer, assumes a warmer temperature similar that of the dry bulb thermometer; and he natural consequence is, that as it only required to gain 1° or 2° of additional temgerature to bring it within the Wheat region; additional dryness being attended with in increased temperature enables it to bring a crop of Wheat to perfection, which firmerly it was unable to do. This then ithe boon held out to proprietors and anants to thorough drain their lands, and few striking examples might be cited shere good crops of Wheat have been ised on land naturally beyond the Wheat agion, but which, from thorough draining and the nature of the soil, has the soil temreture so raised as to enable it to ripen Theat perfectly. From the table above gven it will be seen that Banchory is natu-ally beyond the Wheat region, and it is a act that on the heavy damp clayey soils Here Wheat cannot be raised as a regular dop. When mentioning the above facts, wever, some time ago to Alexander homson, Esq., of Banchory, he mentioned ast having thorough drained a field of back peaty soil and broken it up, he found at it produced an excellent crop of wheat; and theory shows that such was rely to be the case, inasmuch as the dark d porous and now dry peaty soil would at than the damp clays around, and thus mish the degree of heat requisite to bring crop to perfection. Several exactly must instances in different parts of the southy are known to me, one indeed in markshire, where on a similar drained d dark moorland almost peaty soil a crop Wheat ripened at a height of 900 feet ove the level of the sea, though in the mict Wheat cannot be grown profitably an 400 feet lower.

From all this it is apparent that Wheat lure may be much and profitably exoded in Scotland, but that the first step take towards this consummation is to rough drain the land. So long, how-tr, as great tracts of undrained land exist, inext to hopeless to expect even the med farm in the immediate vicinity will

The evaporation from the great During the months of extent of undrained land will lower the June, July, and August, the wet bulb ther- temperature of the air all around, and nometer indicates a temperature from 3° | counteract to a considerable extent the o 4° colder than the dry bulb thermome- higher temperature on the drained farm. er, and this is just the difference of tem- In proportion however as the land around is drained, the general climate will so improve that Wheat crops will be enabled to be raised regularly; and the difference be-tween the value of land capable of raising Wheat, and that only capable of raising Oats or Barley, is so great that it is worth every one's while to the ough drain his land, and thus bring it within the limits of the Wheat region. That Wheat was formerly raised in many localities in Scotland where it will not now ripen is well known, as the charters of several of the old families record the quantities of Wheat which certain lands were to pay over annually to monasteries and religious houses; whereas at the present day not a grain of Wheat is raised on the same properties.

It is no degeneration of climate which has led to this result, for the meteorological observations of the last century have proved beyond a doubt that the general climate of Britain is improving. But the result has been produced by the woods which gave shelter to the country having been cut down or otherwise destroyed, and to the land having been allowed to get into a marshy undrained condition; and as all the lands of Scotland a few hundred feet above the level of the sea are just on the borders of the Wheat region, the fall of mean temperature to the extent of either 1° or 2° Fahr, which would follow as a natural result of the land getting again damp, would throw it at once beyond the Wheat region.

Even the lands of Orkney, though naturally beyond the Wheat region, lie so closely upon it that the lowlying and more sheltered localities might, by proper drainage and cultivation, yield a considerable amount It is known that within the of Wheat. last 10 years Wheat culture has extended there, and this is evidently due to the improvement in the temperature of the soil produced by drainage alone, as trees cannot be reared for shelter. Here however the extreme limit of the possible Wheat region is so close on the sea level, that an elevation of 100 to 159 feet above the sea level raises it beyond the Wheat region, and destroys all prospect of a Wheat crop.

AMERICAN APPLES.

The following remarks of the Gardeners' se as fine crops of Wheat as it otherwise | Chronicle, (English) will be read with in-