

to sustain the requisite amount of animal heat, to furnish the the same amount of muscular vigor, nervous energy and of fat in the animal economy—than one which is less. In other words the amount of food necessary to produce a given result of force in men and brutes, is greater or less within certain limits, in proportion to the increased or diminished temperature.

A given amount of heat is always to be retained in animal systems, and the means to do this are greater in cold than in warm weather. This is confirmed by the daily experience of all practical husbandmen, by the well known fact that animals fatten much more easily in warm than in cold weather, on the same amount of food.

A mild climate has therefore its equivalent in food and consequently, the same amount of beef, mutton, pork or any other animal food can be produced by a less amount of forage than is required in a cold climate. The same amount of labor and capital, will produce more of these money bringing articles, and is therefore under such circumstances more valuable; A far less amount of land has to be appropriated to the cultivation of food for stock in short and mild than in long and protracted winters; and a greater quantity can therefore be tilled in crops that are to be sold.

In the States north of us a vast amount of hay and roots are raised, which are consumed in carrying their stock through long dreary winters, much of the labor and land requisite for this in Maryland can be appropriated to the cultivation of other crops, and even if there be raised, a far larger portion can be sold than can be parted with in the States north and west of us. The hay crop is one of the chief crops of the north, but it is necessary to sustain their live stock against the influences of long and severely cold winters, in Maryland far less is raised because not required, for such is its climate in the most southern part of it, that horses live without any grain, food, or fodder being furnished them in winter. In Worcester county there is a wild breed of horses known as beech ponies, that never see the inside of a stable and live entirely on what they can obtain from the pastures on the beach. The climate of Maryland of course varies in its different parts, but being farther south than any of the States to which imigration is directed, it has a shorter winter than they have, and the general degree of coldness is not so severe. But it, from its Geographical conformation has in this respect advantages not possessed by any part of any of her sister States.

This statement is confirmed and proven by the known and established causes that influence the temperature of climates, for climate whilst mainly dependant on the latitude is very greatly modified by the distribution of land and water, by contiguous oceanic currents, and by the *color* and nature of the soil: examine the map of Maryland, and it will be seen