

here laid bare, in length forty or fifty rods, (even double this distance at low water,) and several rods in width; but it has not been extensively wrought for economical purposes. This spot is more than thirty miles south of the Horse Race; and these are the two extreme points of that region, in which I have discovered these impressions. Near the village at South Hadley canal, however, among the fragments of hard gray shale, blasted out for the canal, I found a single specimen; and a fine specimen has been found in the north part of South Hadley, near Mount Holyoke, on a coarse gritstone. South Hadley lies on the east side of Connecticut river, opposite to the quarry above described, on the east side of Mount Tom.

I know of no reason why these impressions, should not occur in any part of the valley of the Connecticut, where slaty sandstone, similar to the varieties above described, exists; (and this rock does extend southerly from Mount Tom, sixty or seventy miles); but I have examined the quarries in the vicinity of Hartford, and at Enfield Falls, as well as the flagging stones in Hartford and Springfield, and have made no discoveries. I have some reasons, however, to suppose that such impressions have been found in Wethersfield; and I should think it very strange, if they are not brought to light in that place, or in Middletown, or perhaps at Chatham.

It will be seen from the preceding statement, that I have ascertained the existence of these impressions in five places, near the banks of Connecticut river, within the distance of about thirty miles. Having repeatedly visited these localities within the few last months, I shall now present the results of my examination: and I shall first give a more general account of the impressions, and then attempt a classification and specific description.

Where the surface of the rock has been exposed for a great number of years, to the action of the weather, I have never found any of these foot marks. They occur only where the upper layers have been removed by human, or aqueous agency. And I know of no reason, why they might not be found in a hundred other places along this river, were quarries to be opened in so many places.

At the quarries above named, these impressions are exhibited on the rock in place, as depressions, more or less perfect and deep, made by an animal with two feet, and usually three toes. In a few instances, a fourth or hind toe, has made an impression, not directly in the rear, but inclining somewhat inward; and in one instance, the four toes all point forward. Sometimes these ternate depressions