

even less than these impressions; yet as the smaller ones might have been made by the young of the larger birds, I shall regard them only as varieties.

Fig. 5, exhibits three tracks of *O. tuberosus*, on a flagging stone, directly in front of the door of the Court House in Northampton. The foot is eight inches long and the step thirty three inches; the longest I have noticed in this species. This stone was brought from the quarry on the east side of Mount Tom.

*O. ingens*. Three toed; length of the foot, exclusive of the hairy appendage, fifteen to sixteen inches. No claws visible in any specimens that I have found. Toes much narrower than in *O. giganteus*, and tapering gradually to a point; quite divaricate. The best specimen that I possess, exhibits, at a few inches behind the heel, a depression nearly an inch deep, and several inches across; the anterior slopes to which, in the rear, appears if large bristles had been impressed upon the mud. I have been led to suspect that the bird possessed a sort of knobbed heel, covered with wiry feathers, which sunk into the mud when the track was deep. Yet I do not feel very confident as to the nature of this appendage. The impression of the bristles extends backwards from the heel, at least eight or nine inches; so that the whole length of the track is not less than two feet! The length of the step appears to have been about six feet; although I have had but few opportunities to ascertain this fact.

The rock on which this species of track appears, is composed of a fine blue mud, such as is now common in ponds and estuaries; and where the bird trod upon it, in some cases, it seems that the mud was crowded upwards, forming a ridge around the track in front, several inches in height. Indeed, I hesitate not to say, that the impression made on the mud appears to have been almost as deep, indicating a pressure almost as great, as if an Elephant had passed over it. I could not persuade myself, until the evidence became perfectly irresistible, that I was examining merely the track of a bird.

*O. ingens*, a minor. Length of the foot, about twelve inches; step from forty two to forty five inches. In other respects, it corresponds with *O. ingens*: and although I was at first inclined to regard it as a distinct species, I prefer upon the whole, to put it down as a smaller variety of *O. ingens*. Fig 3, exhibits a series of tracks of this variety, copied from the face of the rock in the quarry at the Horse Race. The hairy appendage is scarcely visible on the rock, and is therefore, omitted in the figure. It is wanting, probably be-