

boulders of a coarse syenite, forming the bed of the creek, and lying along its course, were seen. The hornblend crystals of the latter rock were often two inches long, and were set in a white granular paste of feldspar.

At their camp they were visited by a party of Shaste Indians, who were allowed to enter it, and for some time there was a brisk trade for their bows and arrows. These Indians are a fine-looking race, being much better proportioned than those more to the northward, and their features more regular. One of the boys was extremely good-looking. He had a bright black eye, and pleasing expression of countenance; he was clad in dressed deer-skins, over his shoulders and about his body, but his legs were bare. They all wore their black hair hanging down to their shoulders; and they do not compress their heads. Mr. Agate had much difficulty in getting them to stand still for the purpose of having their portraits taken, and gave them a miniature of his mother to look at, hoping that this would allay their fears, but it had a contrary effect, as they now believed that he desired to put some enchantment upon them, and thought that he was the medicine-man of the party.

They obtained an exhibition of the archery of the Indians by putting up a button at twenty yards distance, which one of them hit three times out of five: the successful marksman was rewarded with it and a small piece of tobacco. They use these bows with such dexterity as to kill fish, and lanch their arrows with such force, that one of the gentlemen remarks he would as leave be shot at with a musket at the distance of one hundred yards, as by one of these Indians with his bow and arrow. Their bows and arrows are beautifully made: the former are of yew and about three feet long; they are flat, and an inch and a half to two inches wide: these are backed very neatly with sinew, and painted. The arrows are upwards of thirty inches long; some of them were made of a close-grained wood, a species of spiræa, while others were of reed; they were feathered for a length of from five to eight inches, and the barbed heads were beautifully wrought from obsidian: the head is inserted in a grooved piece, from three to five inches long, and is attached to the shaft by a socket; this, when it penetrates, is left in the wound when the shaft is withdrawn; a very shallow blood-channel is sometimes cut in the shaft. In shooting the arrow, the bow is held horizontally, braced by the thumb of the left hand, and drawn by the thumb and three first fingers of the right hand. To obviate the disadvantage of drawing to the breast, the chest is thrown backwards; on discharging the arrow, they throw out the right leg and stand on the left. Their quivers are made of deer,