

the Finlay a few miles farther west in a parallel longitudinal valley, which it enters and follows for some distance. They are also found on the Omenica from the Black Cañon up to its junction with the Tehutetzeca.

The pebbles of the conglomerate are usually small, but in places are several inches in diameter. They consist mainly of slate, quartz, and limestone. Oxide of iron is occasionally present in the matrix in sufficient quantities to give a reddish coloration to exposures. The shales are dark in colour, are evenly bedded, and are interstratified in places with small lignite seams. The sandstones are usually somewhat argillaceous, and occasionally consist largely of mica derived from the disintegration of the underlying schists.

Distribution
of Laramie.

The Tertiary conglomerates and associated rocks, as stated on a previous page, are distributed in narrow strips along the deep valleys of the district and were nowhere found on the highlands. They were probably deposited in lakes during a Tertiary depression, and evidence the pre-Tertiary age of the present main river-channels. The conglomerates are occasionally horizontal or nearly so, but in most cases they are tilted at angles ranging from 10° to 40° , showing that they have been affected to some extent by the later mountain-making movements.

Some leaves and other plant remains, obtained from the shales interbedded with the conglomerates, were examined by Sir J. Wm. Dawson, who has kindly furnished the following note on them :—

“The collection is small, and the specimens imperfect, more especially in respect to the finer venation and margins of leaves. The following forms were recognized :—

Fossils.

“*Arundo*.—A ribbed stem possibly of this genus. Omenica River.

“*Sequoia*.—Plentiful in Finlay River shales ; appears to be *S. Laugsdorffii*. On the black flags from Omenica River there is another form, which may be distinct, and shows curious terminal buds. There are also branchlets referable to *S. Couttsiae*.

“*Populus*.—A leaf of the type of *P. Arctica*, Heer, *P. Nebrascensis*, Newberry, and *P. speciosa*, Ward, if these are really distinct. Omenica River.

“*Platanus*.—Possibly *P. Haydenii*, Lesquereux, or allied species. Omenica River.

“*Quercus*.—A fragment possibly of this genus. Omenica River.

“*Grewia* or *Grewiopsis*.—This is a genus allied to *Tilia*. A single imperfect leaf may represent it. Finlay River.

“*Viburnum*.—Apparently *V. aspera*, Newberry, or near to it.