

anticlinal as Mount Uniacke and on the same north and south anticlinal as Oldham. It is a broad and flattened dome, differing in this particular widely from the disposition of the rocks at the last named district. The form of the fold is that of a slight overturn to the south. All the mining operations have been carried on to the south of the axis, the rocks for the most part being covered by drift on the north side except towards the north-western extremity, where the ridges of sand-stone are remarkably well defined. The hard edges of the thick beds of this rock stand out in bold relief for many hundred yards near the lake, which marks the western limit of the district. The same features of well-defined out-crops of the edges of the strata are visible here as at Oldham, and in the sharp valleys between the ridges, numerous rich boulders of auriferous quartz have been recently found, but all search for the lodes from which they originated has hitherto been fruitless.

The broad character of the dome at Renfrew may be inferred from the following table showing approximately the distances of the worked lodes from the axis in the several districts:—

District.	Greatest distance of worked lode from axis of anticlinal.	Least distance of worked lode from axis.
RENFREW.....	8500 Feet.....	1500 Feet.
MOUNT UNIACKE.....	3250 do.....	10 do.
OLDHAM.....	1850 do.....	10 do.

All the lodes hitherto discovered at Renfrew are on the south side of the axis. Rich boulders have been found on the north side, but all search for the lodes from which they originated has proved unsuccessful.

Compared with Oldham, the strata at Renfrew present a comparatively undisturbed attitude round the fold. There are some faults in the south eastern part of the District as shown on the plan, and there is evidence of very considerable disturbance on the line of the axis of the anticlinal. A local crush of considerable interest occurs on the Free claim and on area No. 2—on both of which the lodes have been extensively worked, and the free claim is honeycombed with shafts on separate lodes. Some of the lodes in this claim are mere local sheets of auriferous quartz. They appear to belong to the class of segregated veins occupying fissures which have been produced by local disturbance. It is not yet ascertained