

Indiana; while pebbles of quartz, gneiss, granite, dolerite, and other rocks from the same regions constitute a large proportion of the soil of these states. The streets of Cincinnati are paved with stones which were quarried by the hand of Nature in the region of the upper lakes.

Professor Agassiz, to whom we are indebted for the full exposition and application of the glacial theory, thinks he discovers abundant evidences of the former action of glaciers in Brazil; but the presence of rocky *débris*, and even of rounded pebbles that can not be attributed to shore action, is not enough to establish glacial agency, especially while in the United States we do not recognize it south of the Ohio River. On the contrary, Professor Whitney has recently asserted that the proofs of glacial action are entirely wanting in California, and for some distance northward. The copious accumulations of unsolidified surface materials are attributed to the slow disintegration of the rocks under atmospheric agencies.

Glaciers of almost continental extent still exist on the shores of Greenland, and cover the Antarctic land discovered by the United States Exploring Expedition; also Wrangell Land, very recently discovered by Captain Long in the Arctic Ocean. Perennial ice binds the soil of Northern Siberia, and, as is well known, preserved for many centuries the carcasses of hairy elephants incased in it. There is little difficulty in believing that these high-latitude ice-fields are merely the remnants of glaciers which once extended many degrees farther toward the south.