NEW BUCKET-TYPE SOIL AUGER DEVELOPED IN OHIO

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Soil Scientists that use the bucket soil auger will be interested in this new tool for their professional use.

This new auger features a split cylinder with off-set sides with one side hinged vertically at the top in a manner that maintains alignment during the normal clockwise boring and loading operation. After the auger is removed from the ground the hinged segment can be parted exposing the sample for study and unloading. Holes next to each tooth facilitate the use of fingers to dislodge moist heavy texture soils. When used on soils having a firm consistence, such as subsoil of the Rossmoyne Series, the portion of the sample located between the teeth commonly retains much of its natural appearance.

This tool is handcrafted from high quality materials for soil survey work. The bit unit weighs 3 pounds, is 2 1/2 inches in diameter and 10 1/2 inches long, and is compatible for use with conventional 1/2 inch solid steel shaft equipment. It features unitized construction; each tooth and cylinder wall are one piece of steel. The auger reveals a soil sample better suited for visual examination, easy to unload, simple to operate yet it retains all of the desirable working characteristics of the bucket auger.

Ralph Meeker, Soil Scientist, SCS, and Ralph Hunkler, Tool Engineer with Columbia Research and Development Corporation developed the ROTACYLINDER soil auger. Pilot models were tested during 1971. Further information can be obtained from the Rotapull Company, 138 Glencoe Road, Columbus, Ohio, 43214.