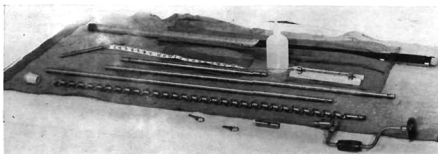
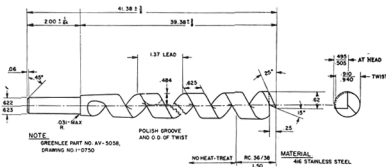


INSTRUMENTS AND METHODS

ICE DRILLS AND CORERS



A very fast drill designed by the Snow, Ice and Permafrost Research Establishment. The photograph and drawing give some details, but shop blueprints can be obtained from SIPRE, 1215 Washington Avenue, Wilmette, Ill., U.S.A. The illustration is part of a kit for measuring the thickness of floating ice sheets. The drill 1 in. (25.4 mm.) in diameter cuts glacier ice (wet or dry) easily at the rate of half a meter per minute. The dimensions in the drawing are in inches and decimals of inches



A coring auger for shallow or deep drilling in névé and ice. It cuts a 3 in. (7.62 cm.) diameter core about 0.5 m. long and has been used with up to thirty-one 1 m. extension rods. The auger is of stainless steel, the extensions are of aluminium pipe with stainless steel sleeves and plated pins. The auger has been well tested in the field in cold névé and ice, and in the laboratory in wet ice. The diameter of the hole (outside diameter of the auger) is 4½ in. (11.09 cm.)

Illustrations by courtesy of Dr. H. Bader, SIPRE