

NEW WILD THEODOLITES AND LEVELS.

Several data concerning the Wild theodolites were given in *Hydrographic Review*, November 1927, page 209; May and November 1937, pages 116 and 229, and August 1942, page 124.

Since that time the above firm has produced three new models of theodolites :—

— The T₂ Universal theodolite, fitted with a telescope magnifying power 28; the direct reading of the micrometer gives the accuracy of 1" of an arc;

— The high order T₃ theodolite fitted with a telescope of magnifying power 24, 30 and 40, the direct reading of the micrometer provides an accuracy of 0",2 of an arc;

— The T₄ theodolite for astronomical observations and high order triangulation with diagonal eye-piece, magnifying power 65, the direct reading of the micrometer gives the accuracy of 0",1 of an arc. (See illustration.)

The T₂ and T₃ theodolites may also be used as prismatic astrolabe, for observing 60° altitude stars by the addition of a prism and of a mercury artificial horizon.

Together with the Universal theodolite, a folding 2 meter invar stadia may be used giving a very accurate measurement of distances.

A new No. II telescope level and a No. III high grade surveyor's level have also been produced including a telescope with high gathering power; these instruments have been made extremely compact and robust.

