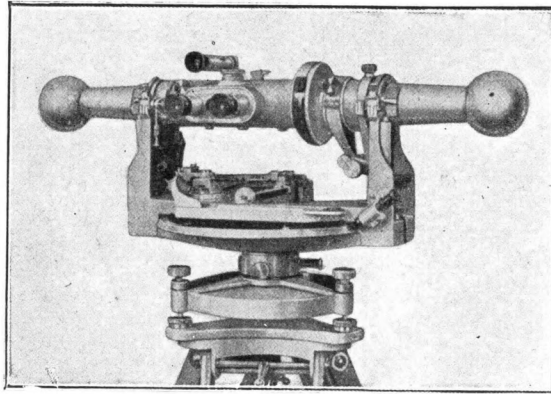
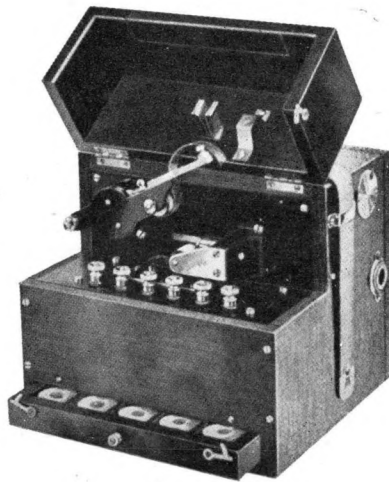


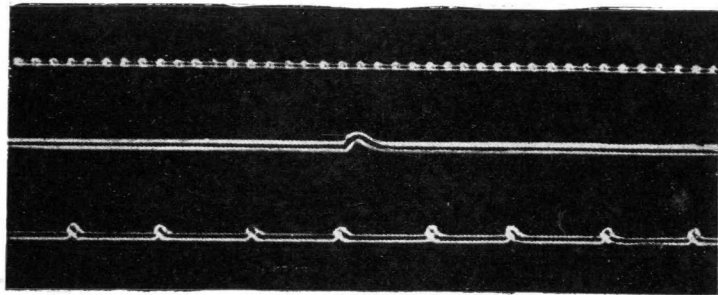
THE STEREO AUTOTACHYGRAPH — LE STEREO-AUTOTACHYGRAPHE



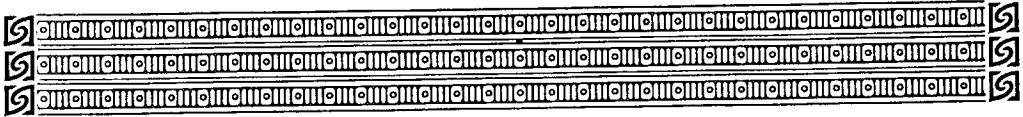
PORTABLE CHRONOGRAPH — CHRONOGRAPHE PORTATIF



*Fig. 1.*



*Fig. 2.*



## THE STEREO-AUTOTACHYGRAPH

(THE AEROTOPOGRAPH GESELLSCHAFT b. b. H. - DRESDEN).

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Extract from "*Bildmessung und Luftbildwesen*". Liebenwerda, September 1928, page 119.

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The Stereo-Autotachygraph (see fig.) which was exhibited in 1928 at the International Aviation Exposition in Berlin, makes use of the "floating mark" which differs from those encountered in the photogrametric apparatus. While in the photogrametric apparatus this mark executes the movements in the virtual optical field of the object, in this apparatus the "floating mark" itself is projected outside. It does away at once with the old pole and saves the carrier of the pole and the draughtsman the fatiguing labour up to now inherent in tachymetry. By replacing the theodolite telescope for measuring the distance by a 70 % base stereoscopic telemetric instrument, it becomes possible to fix the floating mark on any desired point in the ground, whether the latter be even or very inaccessible. The distance of the points, reduced to the horizon, may be read off directly on the graduated cylinder. By displacing the marking pointer along the graduated arc, permanently attached to the telescope support, the point sighted may be transferred to the lower part of the instrument, which has been given the form of a round board. On the altitude scale, which is moved with the pointer, one obtains also the difference in altitude between the point sighted and the point at which the instrument is located by means of the index line to which the vertical angle observed is automatically transferred.

The instrument is fitted with the double adjustment (focus) of the oculars. It bids fair to become the most appropriate working instrument for the topographical surveyor and in particular it should fill a long-felt want in photogrametric cartography.

