

THE WILD STEREOPLOTTING APPARATUSES.

Information concerning the Wild autograph for the stereoscope restitution of air photographs has been given in *Hydrographic Review* May 1928, page 278. A new model of the A-5 autograph has been produced by the above firm, the illustration of which is given on the opposite page. This stereoplotting apparatus enables a considerable saving of time in the relative orientation of the plates and benefit from all the advantages given by large angular photographic cameras. By means of a special plate, it is possible to correct the distortion in the case where the camera objectives are not sufficiently free of latter. It is possible to alter immediately the focal length, which is adjustable from the outside and this adjustment may be operated with on the limits of 100 and 215 mm. when the size of the plate does not exceed 18/18 cm. Height readings are easy and accurate ; it is possible to operate the plotting at any selected scale.

Each camera may be rotated around 3 axes perpendicular to each other ; also the 2 cameras together might be rotated around 3 axes, this permits one to operate the correct external orientation of both cameras without altering their relative orientation, even in the case of oblique photographs.

The Wild Works have also established the A-6 simplified plotter, an illustration of which is given on the opposite page. The arrangement of the rotation axes is the same as for the above apparatuses. The plotting is done by observing the stereoscopic image through the eye-pieces. The index having the shape of a point, is situated in the centre of the image. The index is driven by means of a pedal up to the desired height, then it is driven along the lines to be drawn by moving the handle of the driving rod. The pantograph associated to the handle of the driving rod enables proportional reductions to be operated up to 3/20.

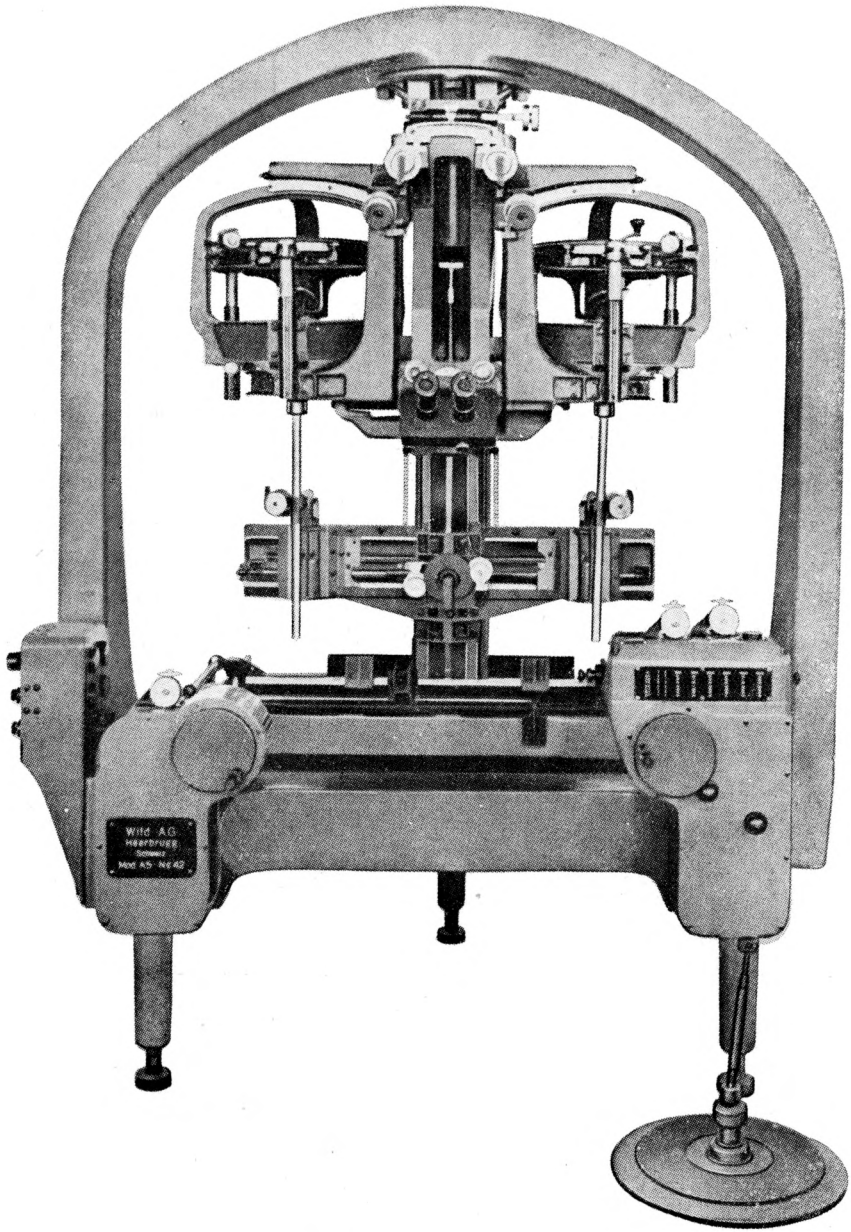
The principal focal length of the camera may be varied from 98 to 270 mm. and the size of the image may reach 24/24 cm. (Wild accurate cameras have focal length of 0 m. 165, size 13/13 cm.) Each plate should include at least 3 accurately determined control points. The latter are indicated by means of aluminium sheets 25 mm. thick, size 80/80 cm., lacquered white on one side and fixed to the ground by means of nails.

This new stereoplotting apparatus has been created in order to facilitate the work and render it more rational. Its use is recommended mostly when the A-5 autograph is used for determining by air triangulation the control points necessary for restitution.

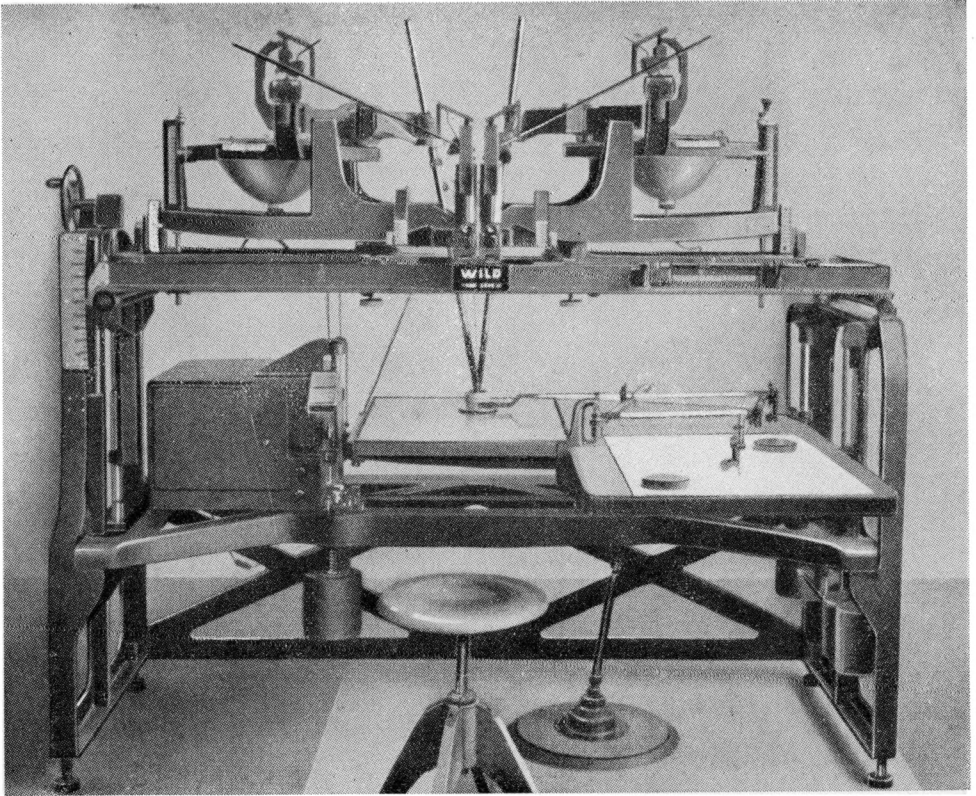
The A-5 autograph provides very good approximate values which might be immediately used for reciprocal orientation in the A-6 type.

The use of the above apparatuses has given good results in Switzerland in carrying out cadaster registered surveys and general survey plans.





NEW WILD AUTOGRAPH (A-5 Model).



A-6 SIMPLIFIED WILD STEREO PLOTTER