A. KRAUTH.

AUTOGRAPHIC REGISTER.

APPLICATION FILED JULY 16, 1908.

925,351. Patented June 15, 1909.

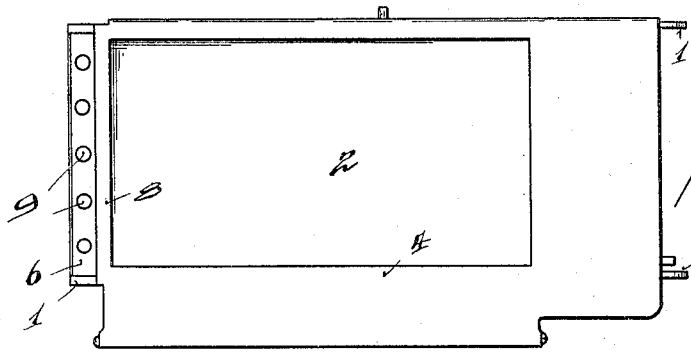


Fig. 1.

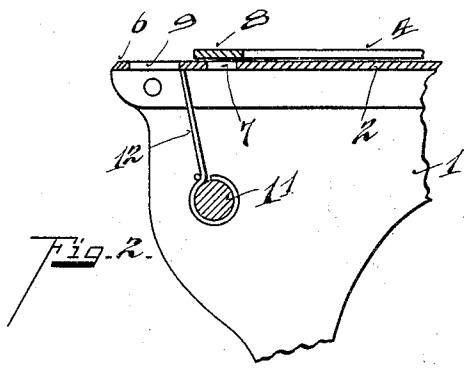


Fig. 2.

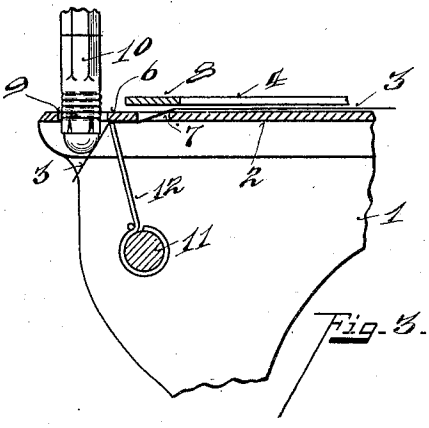


Fig. 3.

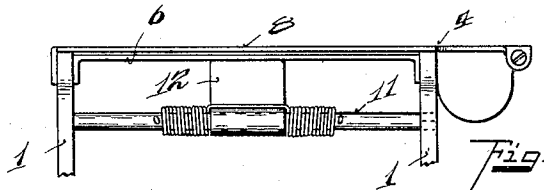


Fig. 4.

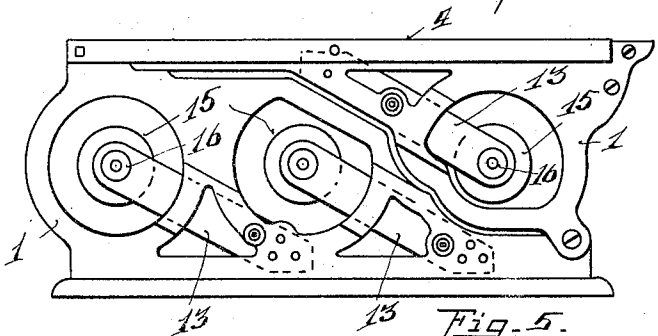


Fig. 5.

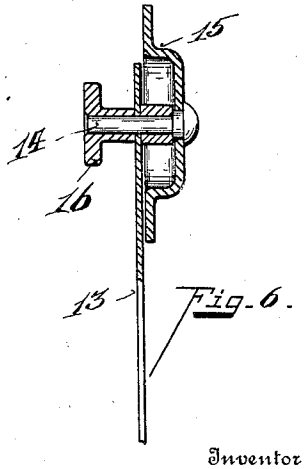


Fig. 6.

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AUTOGRAPHIC REGISTER.

No. 925,351. Specification of Letters Patent. Patented June 15, 1909.

Application filed July 16, 1908. Serial No. 443,857.

To all whom it may concern:

Be it known that I, ALBERT KRAUTH, a citizen of the United States, residing at Hamilton, in the county of Butler and State of Ohio, have invented certain new and useful Improvements in Autographic Registers, of which the following is a specification.

My invention relates to an improvement in an autographic register.

The object of my invention is to simplify and cheapen the construction and at the same time add to the convenience and efficiency of the operation.

Another object of my invention is to improve the construction of the tearing-blade and tension finger mechanism.

Another object of my invention relates to an improvement in the means for supporting the rolls.

The features of the invention are more fully set forth in the description of the accompanying drawings, forming a part of this specification, in which:—

Figure 1 is a top plan view of my improved register. Fig. 2 is a central vertical section through the front end. Fig. 3 is a similar view showing the paper threaded through, and means for depressing the paper for withdrawal. Fig. 4 is a front end view of the tension finger and tearing-blade. Fig. 5 is a side elevation of register, showing the roll supports. Fig. 6 is a central vertical section through one of the roll supports.

The register consists of the casing or side frames 1, having the writing tablet 2 upon which the paper 3 rests. The paper is held in position by a margin frame 4, preferably hinged to the casing and extending over the tablet. Between the front ends of the frame pieces and lying in the plane of the tablet is the tearing-blade 6, the relative positions of the tablet and blade providing the slit 7 through which the paper 3 is threaded from the front end of the tablet, as shown in Fig. 3. This slit 7 is bridged over by a cross-bar 8, preferably constituting the forward member of the margin frame. The tearing-blade 6 is provided with orifices 9 permitting a pencil 10 to be inserted from above to depress the front end of the paper, so that it can be grasped by the operator for withdrawal.

11 represents a shaft supported between the side frames under and slightly in rear of the tearing-blade. It carries the spring actuated tension finger 12 which projects upwardly and forwardly at a slight angle to the vertical and engages against the under surface of the tearing-blade in rear of the orifices 9. This tension finger acts as a pawl or a brake, permitting of the ready withdrawal of the paper forwardly, but automatically locking the paper against retreat. By this arrangement it will be observed that there is no mechanism above the plane of the tablet. The paper is held smoothly and firmly in position, the construction of the tearing-blade and tension finger serving to keep the paper always taut and permitting the ready withdrawal and severance of the paper without the manipulation of the tearing-blade.

The other feature of the invention relates to the support for the rolls, shown in Figs. 5 and 6.

13 represents spring arms supported on and inside of the side frames, having spindles 14 at their free ends.

15 represents a convex roll holder journaled on the inside of spindle 14, a roll of paper being supported between a pair of these journal holders. This arrangement permits the ends of the rolls to be held under proper tension, and at the same time the rolls are freely rotatable.

16 represents a knurl forming convenient means for inserting or withdrawing a roll of paper.

Having described my invention, I claim:—

1. In an autographic register, a writing tablet, a fixed tearing-blade in front thereof leaving a slit for the paper to pass over the tablet and under the blade, a cross-bar over said slit, an orifice in the blade, and a tension finger engaging the under side of the tearing-blade, substantially as described.

2. In an autographic register, a casing, spring arms therein, and convex roll holders

rotatably mounted in the free ends of said arms, adapted to hold the rolls between them, substantially as described.

3. In an autographic register, a casing, a spring arm, one end of which is fixed to an interior surface of the side of the casing, a handle transversely secured on the free end of said arm and projecting upon the outside of the casing, and a roll holder journaled on the other end of the handle within the casing.

In testimony whereof, I have hereunto set my hand.

ALBERT KRAUTH.

Witnesses:
OLIVER B. KAISER,
ARTHUR FAULHABER.