

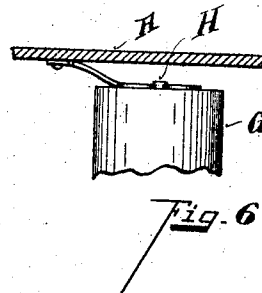
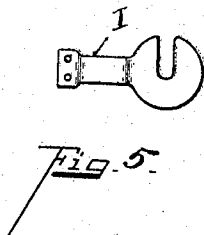
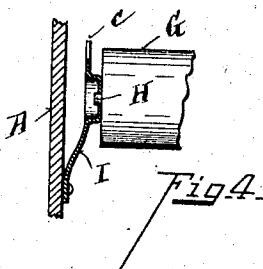
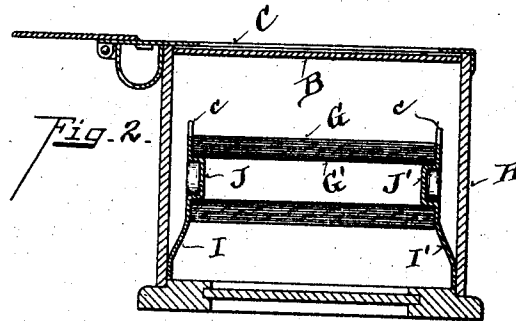
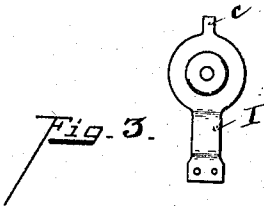
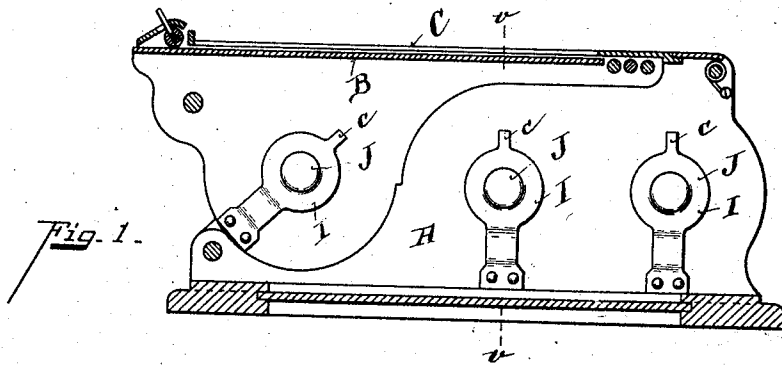
No. 772,943.

PATENTED OCT. 25, 1904.

A. KRAUTH.
ROLL HOLDER FOR AUTOGRAPHIC REGISTERS.

APPLICATION FILED MAR. 8, 1904.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

ALBERT KRAUTH, OF HAMILTON, OHIO.

ROLL-HOLDER FOR AUTOGRAPHIC REGISTERS.

SPECIFICATION forming part of Letters Patent No. 772,943, dated October 25, 1904.

Application filed March 8, 1904. Serial No. 197,188. (No model.)

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 Roll-Holders for Autographic Registers, of which the following is a specification.

My invention relates to an improvement in roll-holders for autographic registers.

The object is to simplify and cheapen the means for supporting the paper-rolls in the register and to provide a sufficient tension for preventing the paper from unwinding too freely.

The features of my 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 central vertical section of my register. Fig. 2 is a section on line V V, Fig. 1. Fig. 3 is a plan view of a modified form of spring-tension arms. Fig. 4 is a central vertical section of said arms with a section of the paper-roll in elevation. Fig. 5 is a plan view of another modified form of roll-tension arms. Fig. 6 is a central vertical section of the spring-arm shown in Fig. 5 with the section of the paper-roll in elevation.

A represents the casing of the register.

B represents the writing-tablet.

C represents the marginal frame, supported over the tablet. The paper strips from the rolls and the carbon copy occupy the usual position between the tablet and marginal frame.

G represents a roll of paper.

In practice paper-rolls are sometimes provided with a hollow core or axis-opening G', as shown in Fig. 2, and sometimes they are wound upon a core having endwise-projecting axis H. (Shown in Figs. 4 and 6.)

My invention is adapted to be used with either form of rolls.

To support the hollow core-roll, I provide resilient arms II'. The inner ends of these arms are rigidly attached to the inside of the casing. The arms are bent inward to form spring-clamps, and upon opposite sides thereof at their free ends they are provided with the concave friction-disks J J', the concave portion being adapted to fit within the core of the

hollow roll. (Shown in Fig. 2.) The spring-clamps are preferably provided with the fingers c for manipulating the same. The extended portions of the arm serve as friction-clamps to exert pressure endwise upon the rolls, thereby preventing them from being unwound too freely. When the paper-rolls are wound on an axial core, the disks are pierced with orifices to receive the axis and journal the rolls.

When it is desired to insert or remove rolls, the operator can by pressing endwise on the roll against one spring-arm and with the hand flexing the other spring-arm readily remove or insert a roll.

Figs. 5 and 6 show a modified form of providing a journal-support in the spring-arm and showing an enlarged disk-face without the extension J (shown in Fig. 3) and is practically the equivalent of the form shown in Figs. 3 and 4.

Having described my invention, I claim—

1. In a roll-holder for autographic registers, a pair of inwardly-bent resilient arms, one end of said arms being attached to the opposite sides of the register-casing and upon the inside thereof, the free end of said arms being provided with a disk, means for journaling a paper-roll centrally between the disks, the said spring-arms and disks being adapted to clamp endwise upon the paper-roll and hold it normally in position, and allowing said roll to be readily detached by flexing the resilient arms, substantially as described.

2. In a roll-holder for autographic registers, a pair of inwardly-bent resilient arms, one end of said arms being attached to the opposite side of the register-casing and upon the inside thereof, the free end of said arms being provided with a disk, means for journaling a paper-roll centrally between the disks, a paper-roll journaled to said arms centrally between the disks and normally held in position by the frictional clamp of said arms, and readily removable therefrom by the flexing of the arms, substantially as described.

In testimony whereof I have hereunto set my hand.

ALBERT KRAUTH.

Witnesses:

OLIVER B. KAISER,
LEO O'DONNELL.