

No. 721,126.

PATENTED FEB. 17, 1903.

J. HENDERSON.

WORK HOLDING ATTACHMENT FOR EMBROIDERING MACHINES.

APPLICATION FILED MAY 20, 1901.

NO MODEL

Fig. 1.

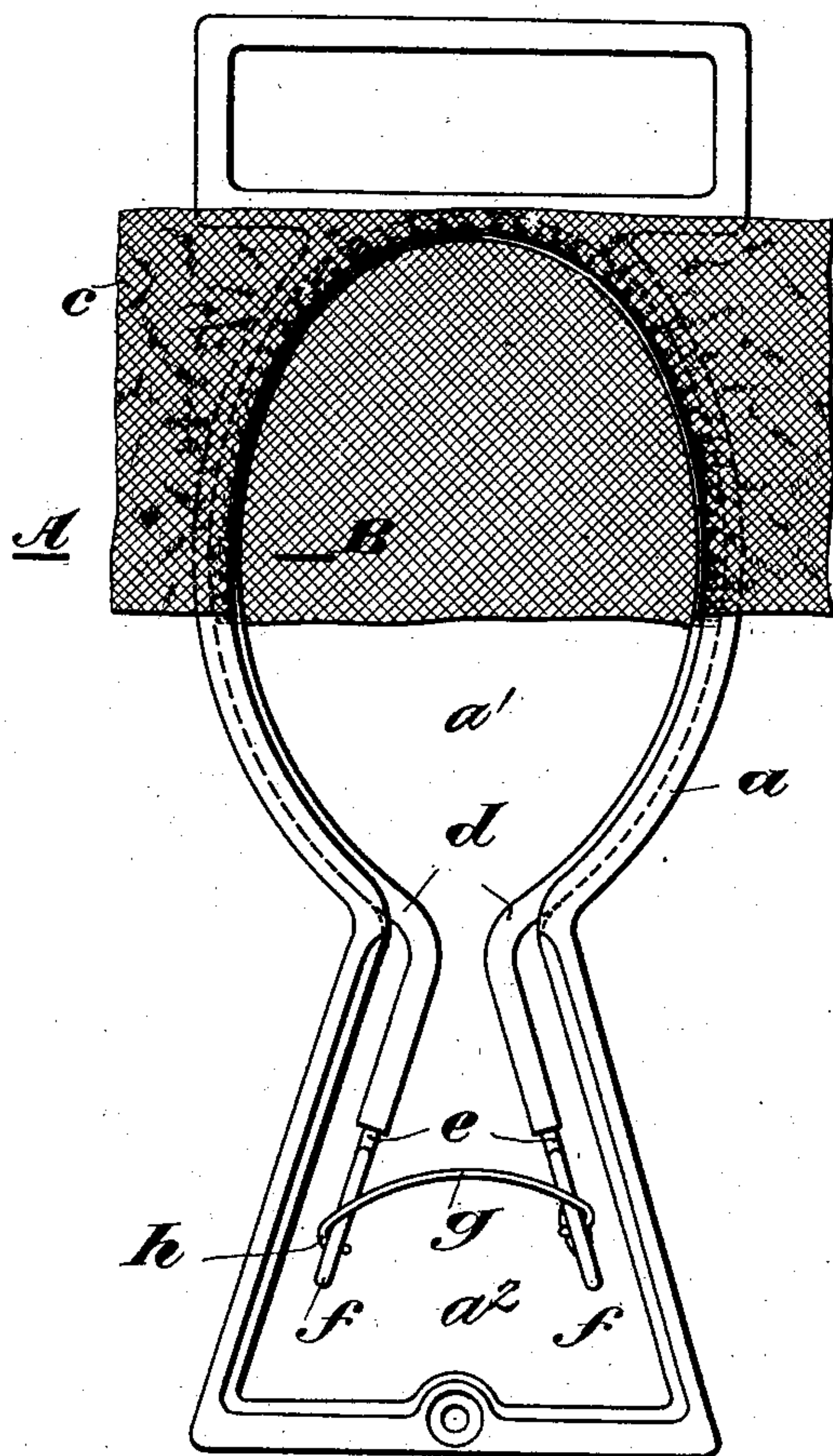


Fig. 2.

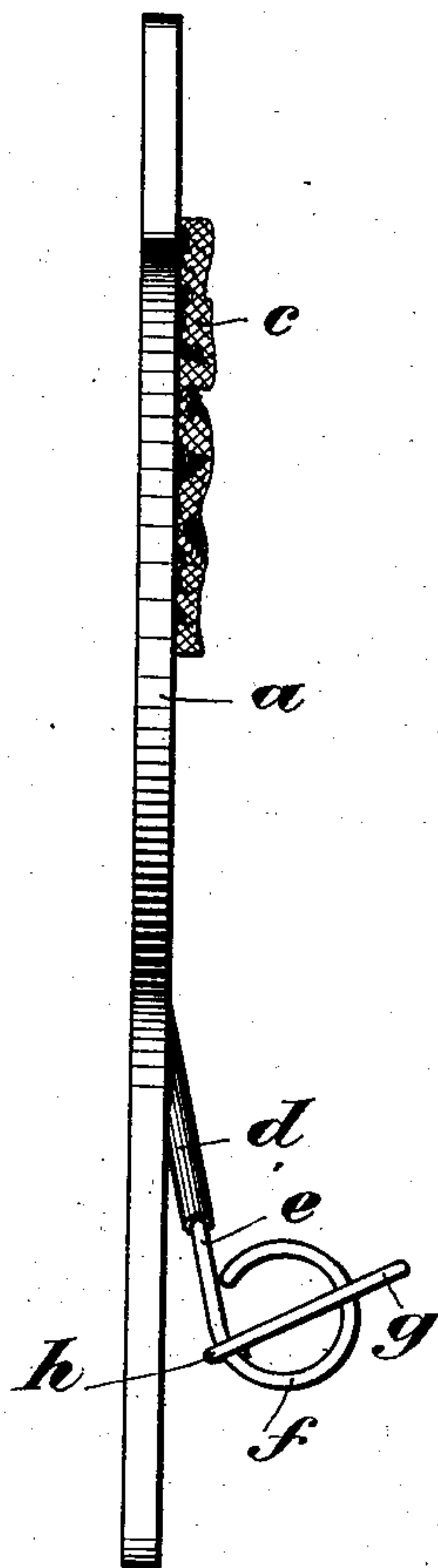
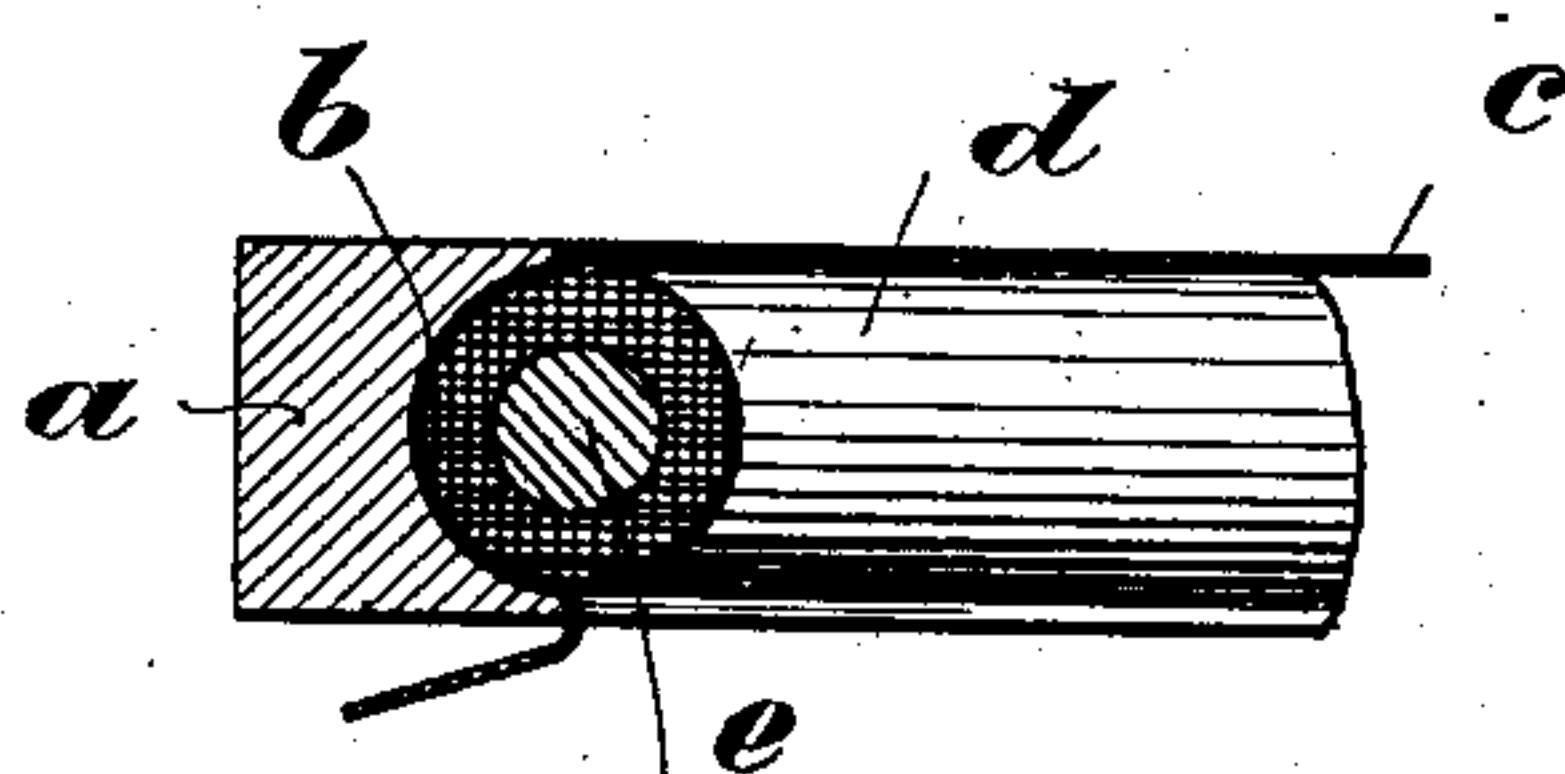


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN HENDERSON, OF GLASGOW, SCOTLAND.

WORK-HOLDING ATTACHMENT FOR EMBROIDERING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 721,126, dated February 17, 1903.

Application filed May 20, 1901. Serial No. 61,152. (No model.)

To all whom it may concern:

Be it known that I, JOHN HENDERSON, a subject of the King of England, and a resident of Glasgow, Scotland, have invented certain new and useful Improvements in Work-Holding Attachments for Embroidering-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to an improved appliance for the holding of handkerchiefs, serviettes, towels, or other cloths in position in embroidery-machines in such a manner that initials, monograms, flowers, or other devices may be embroidered on the corner or other parts of the cloths.

In the accompanying drawings, Figure 1 is a plan view of the holding appliance embodying my invention. Fig. 2 is a side view. Fig. 3 is a sectional view on the line A B, Fig. 1.

In carrying out my invention I employ a frame *a* for the holder, which may be of metal or other suitable material and formed with an oval portion *a'* and a triangular portion *a''*. In the inner wall of the oval portion *a'* is formed a groove or channel *b*, (see Fig. 3,) adapted to receive a spring *e*, the ends of which project over the triangular portion *a''* and terminate in eyes or rings *f*. (See Fig. 2.) These eyes form handles which the operator can freely grasp for the purpose of removing the spring from the groove when adjusting the fabric in the frame. The spring *e* is preferably covered with india-rubber or other elastic material, thus facilitating an even pressure in the groove and also to prevent the cloth from being marked or creased. The framework *a* may be permanently screwed to the embroidery-machine and forms a part thereof.

In operation the material to be embroidered is placed over the oval portion *a'* and the covered spring is then laid on the material and sprung into the groove *b*, stretching the material and holding it firmly in place in the frame. In order to retain the spring in the groove, I provide a lock *g*, one end of which is

hinged to one of the handles *f*, while the other end, which is loose, is provided with a hook *h*, which snaps onto the other handle, holding them apart, preventing the spring from being forced out of the groove by the tension of the stretched material.

What I claim, and desire to secure by Letters Patent, is—

1. A work-holder for embroidering-machines, having a rigid frame portion grooved internally and provided with diverging arms, in combination with a spring-tension device fitting said internal groove and having diverging arms extending between the like arms of the frame portion, for the purpose set forth.

2. A work-holding attachment for embroidering-machines, having an internally-grooved oval frame portion, arms diverging from one end of said frame, in combination with a spring-tension device fitting said internal groove and having diverging arms extending between and above the like arms of the frame portion, for the purpose set forth.

3. A work-holding attachment for embroidering-machines, comprising a frame adapted to be secured to the machine and constructed with a grooved curved portion, a triangular portion leading from said curved portion, a spring adapted to fit into said groove and extending into the triangular portion, handles formed on said spring, and means for locking said handles, for the purpose specified.

4. A work-holding attachment for embroidering-machines, comprising a frame *a*, formed with a triangular portion *a''*, a curved portion *a'* having a groove *b* formed in its wall, a spring *e* adapted to fit into said groove and extend into the triangular portion, handles *f* formed on the ends of said spring, a lock *g* hinged to one of said handles and adapted to engage the opposite handle by means of a hook *h* formed on its free end, for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN HENDERSON.

Witnesses:

JAMES L. GILMOUR,
ROBERT G. GUTHRIE.