

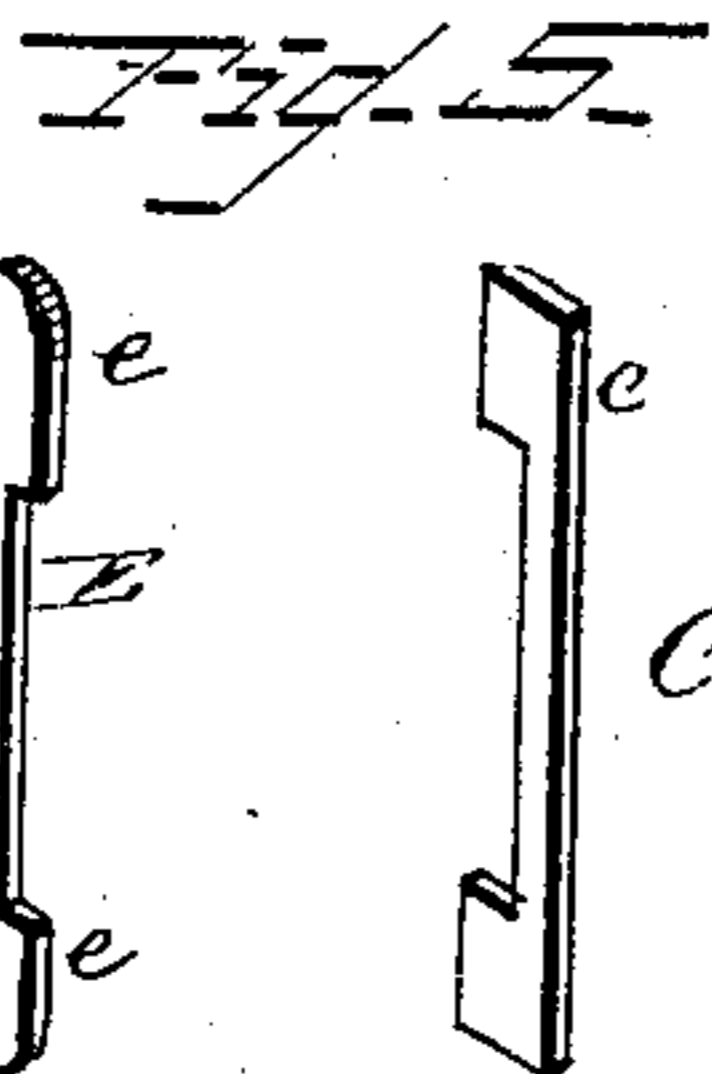
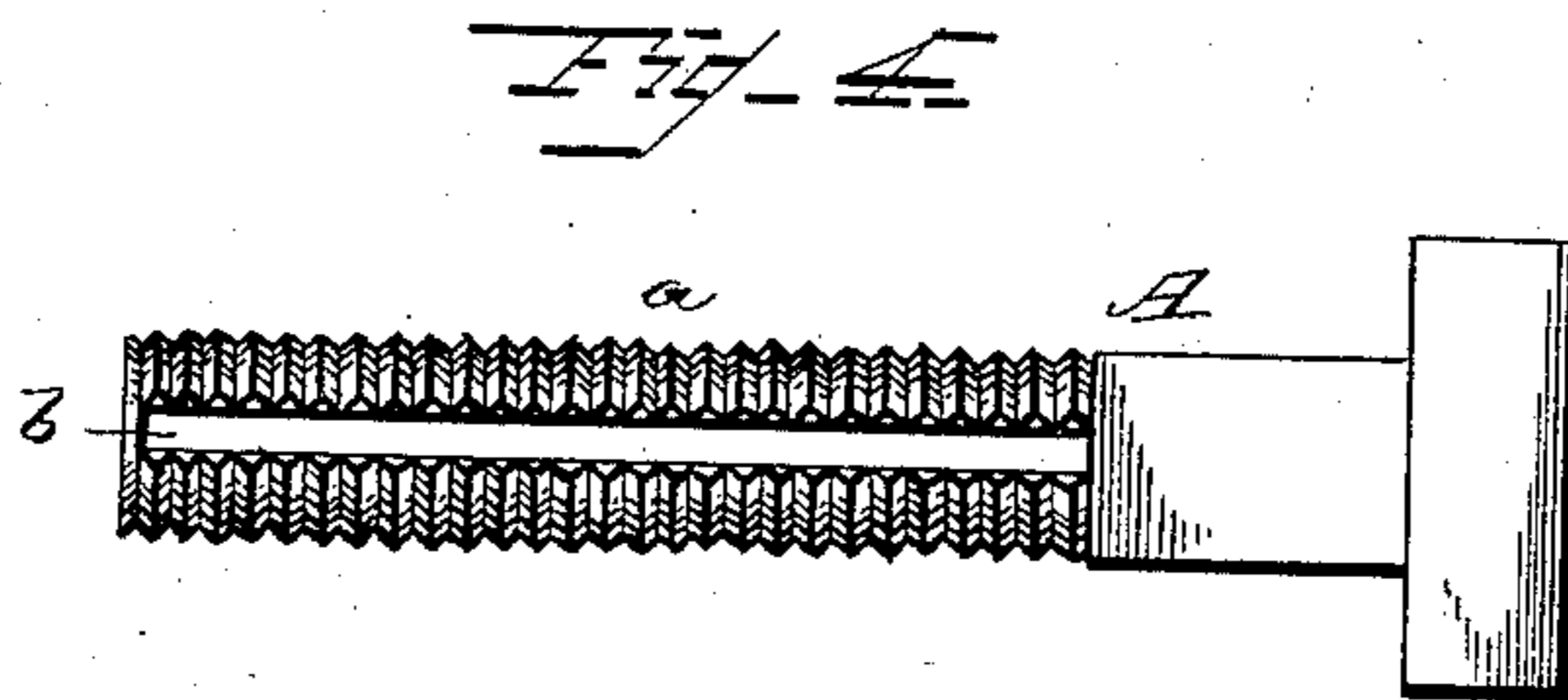
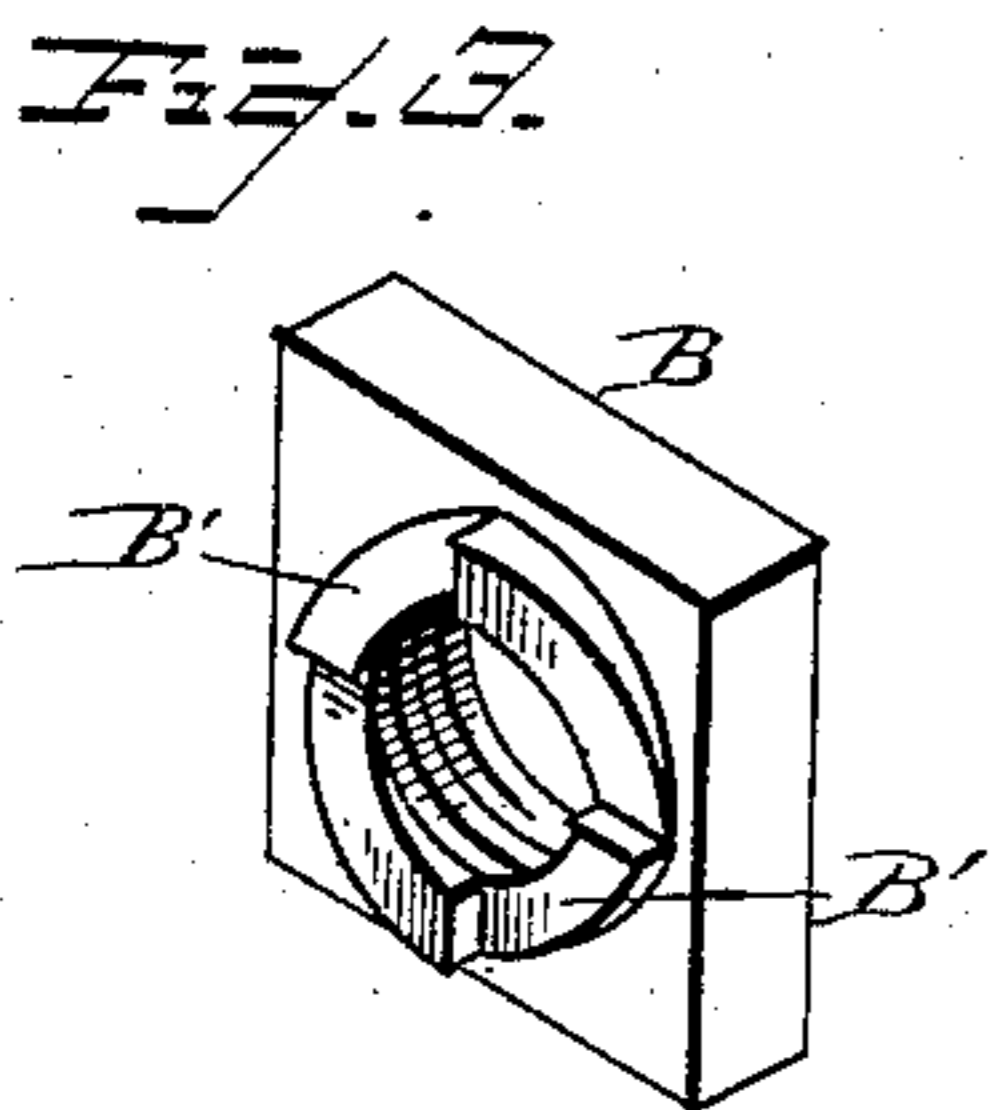
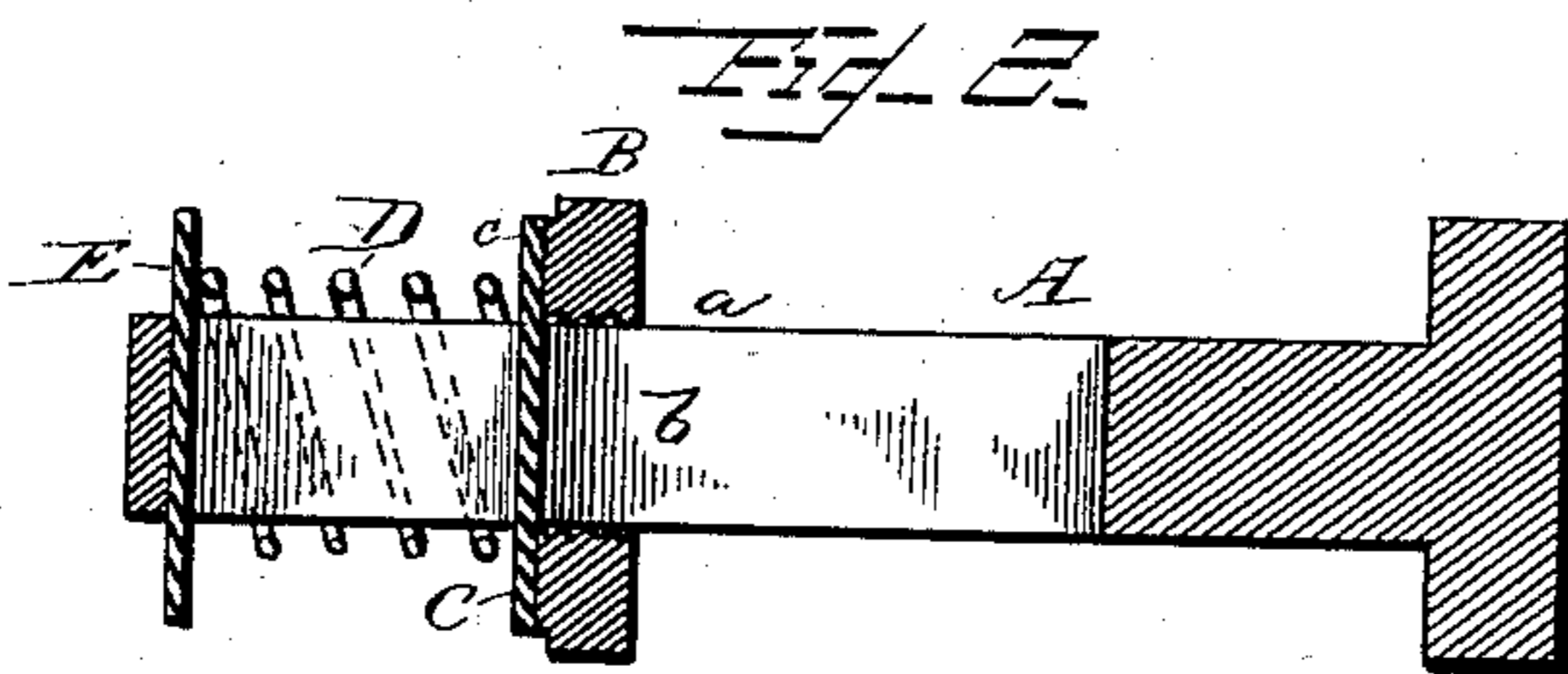
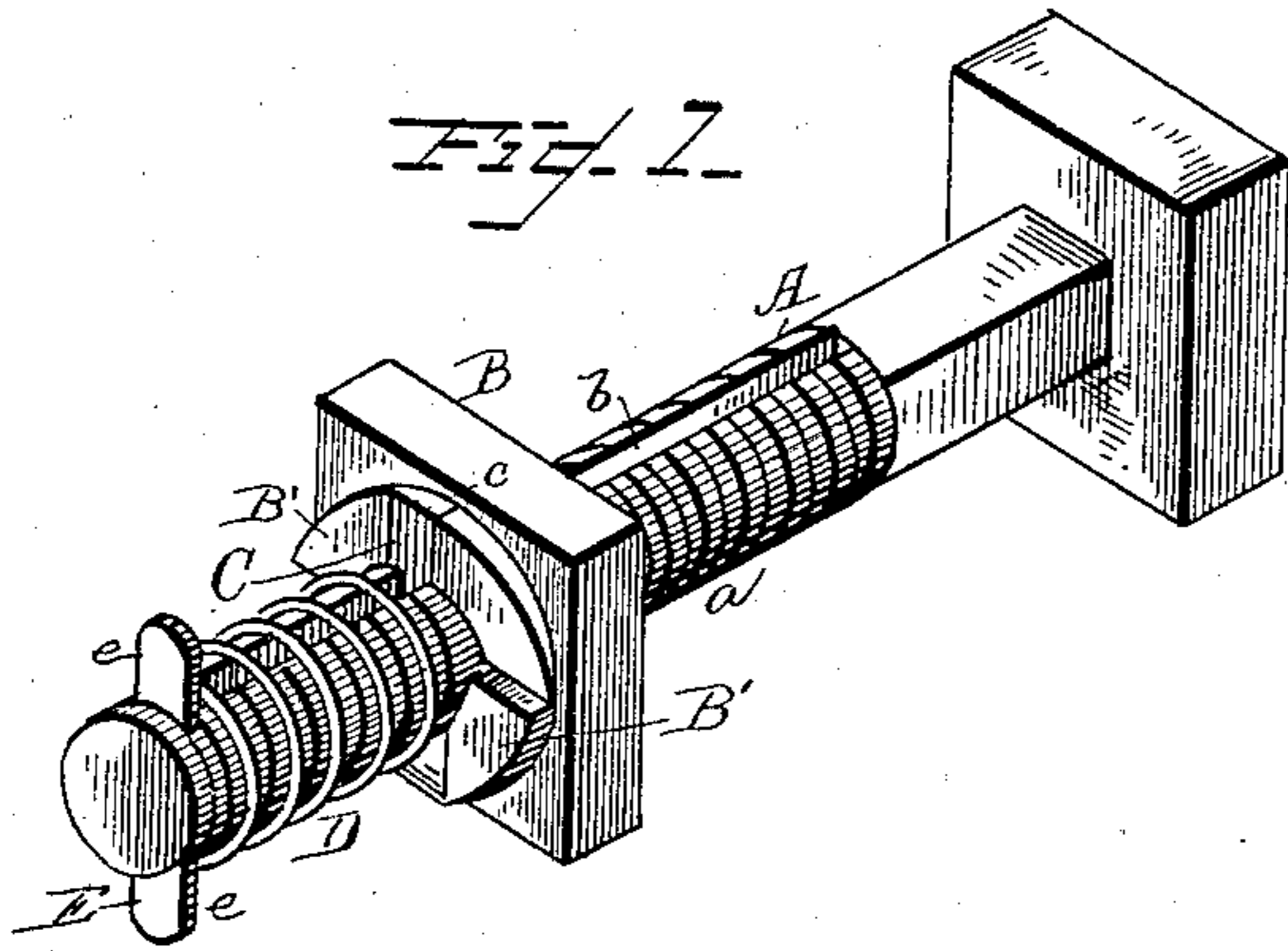
(No Model.)

H. C. BURKHEAD.

NUT LOCK.

No. 314,361.

Patented Mar. 24, 1885.



WITNESSES
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UNITED STATES PATENT OFFICE.

HENRY CLAY BURKHEAD, OF HARDIN SPRINGS, KENTUCKY.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 314,361, dated March 21, 1885.

Application filed June 26, 1884. (No model.)

To all whom it may concern:

Be it known that I, HENRY C. BURKHEAD, a citizen of the United States of America, residing at Hardin Springs, in the county of Hardin and State of Kentucky, have invented certain new and useful Improvements in Nut-Locks; 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 or figures of reference marked thereon, which form part of this specification.

This invention relates to certain improvements in nut-locks; and it consists in the construction and combination of parts, as will be hereinafter set forth, and pointed out in the claims.

In the accompanying drawings, which illustrate my invention, Figure 1 is a perspective view; Fig. 2, a sectional view, and Figs. 3, 4, and 5 are detail views.

A represents a bolt, which is provided with a threaded portion, *a*, through which is cut longitudinally a slot, *b*, the ends of the said slot being closed, as shown.

B represents a nut, which is provided on its outer face with wedge-shaped projections *B' B'*, said projections being adapted to engage with a key, C, which is provided at its ends with enlarged heads *c*, which are wedge-shaped in cross-section and will lie within the recesses in the upper face of the nut. The pointed portions of the key C point in opposite directions, so that when they engage with the face of the nut they will lie flat therewith. A spiral spring, D, encircles the bolt and one end bears upon the key C while the other end bears upon a key, E, which is provided with enlarged heads *e*, which key is held in position against the closed end of the slot by a spring pressure.

The operation of my invention is as follows: The nut B, after the bolt is passed through the portion of a structure which it is desired to secure together, is screwed upon the threaded portion of the bolt A and the key C passed through the slot in said bolt so that it will bear upon the serrated face of the nut. The spring D is then placed over the bolt and is retained in position thereon by the end key, E. When the parts are in the position described, the nut may be turned in a direction for tightening the same as the ratchets upon the face of the nut will allow a movement in one direction; but will oppose any motion in the opposite direction. It will also be noticed that the spring has a flat bearing-surface upon the face of the nut, which is caused by the wedged-shaped head of the key C filling the ratchets formed thereon. The enlarged head of the keys E and C prevent vertical displacement of the same.

I claim—

1. In a nut-lock, the combination of the slotted bolt A, the nut B, with ratchets *B'* formed thereon, a spiral spring embracing said bolt and bearing upon keys which rest upon the nut and end of the bolt, substantially as shown, and for the purpose set forth.

2. In a nut-lock, the combination, with the slotted bolt A, of a nut, B, with raised ratchets formed on one side of the same, and locking devices consisting of a key, C, with enlarged wedge-shaped head, a spiral spring, and a key, E, substantially as shown, and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY CLAY ^{his} X BURKHEAD.
mark.

Witnesses:

J. R. MEECE,

I. R. HUDSON.