

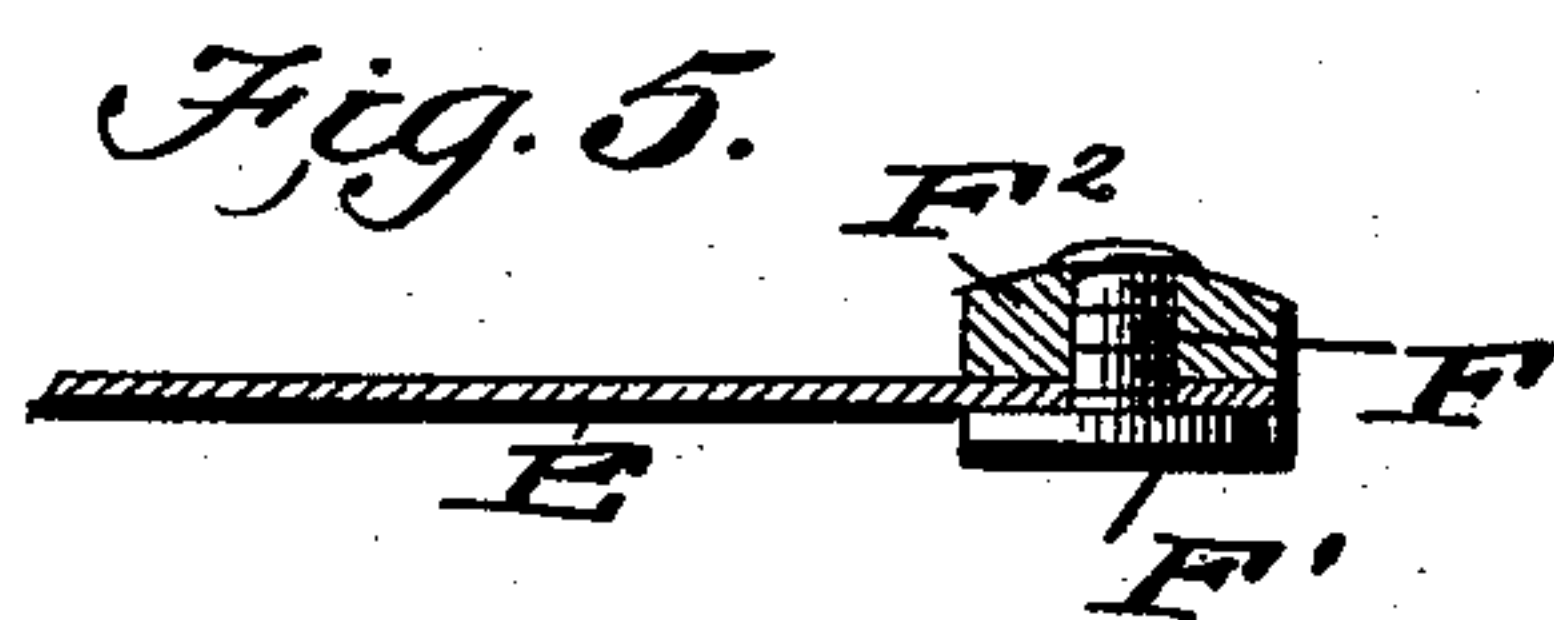
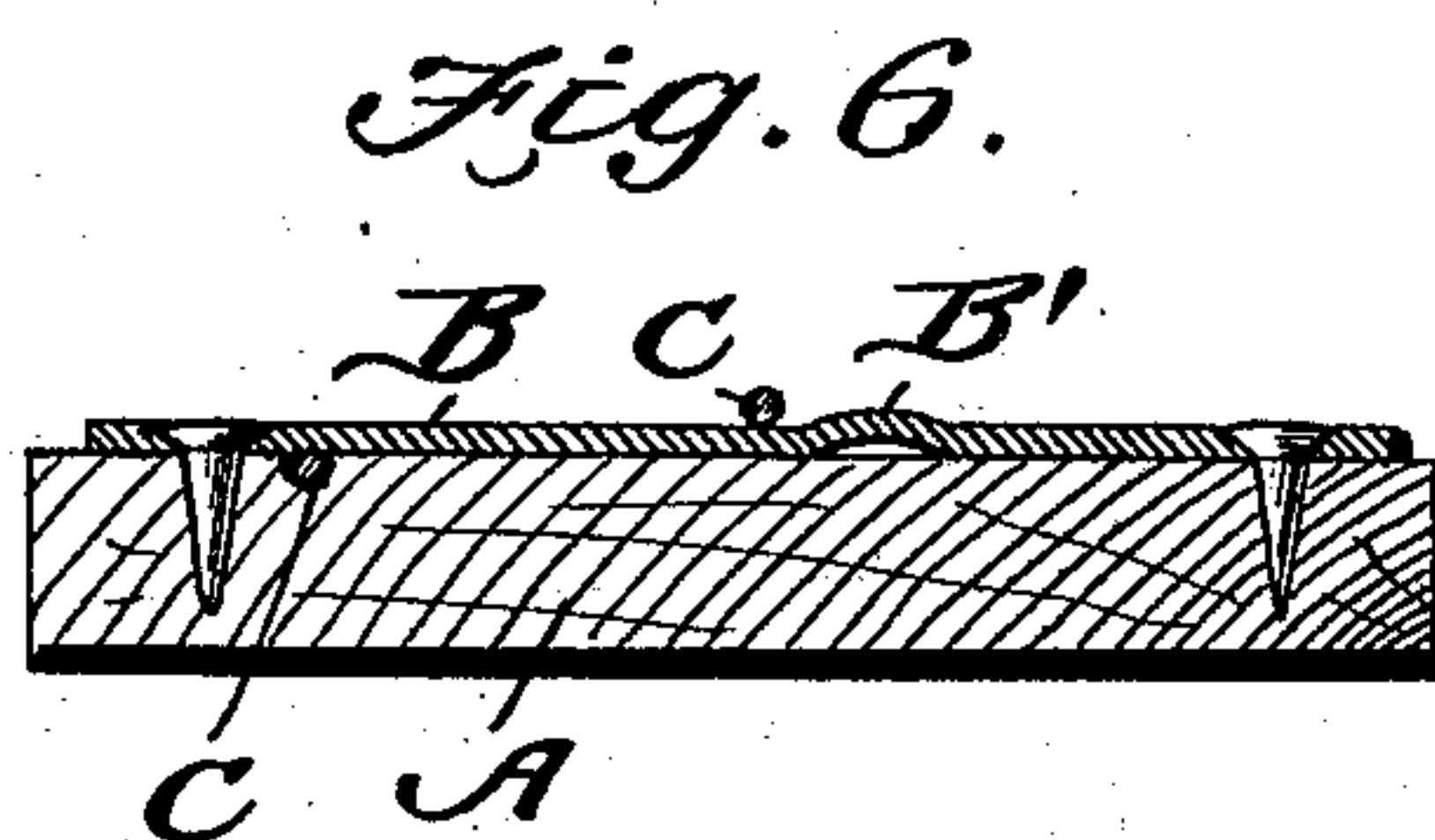
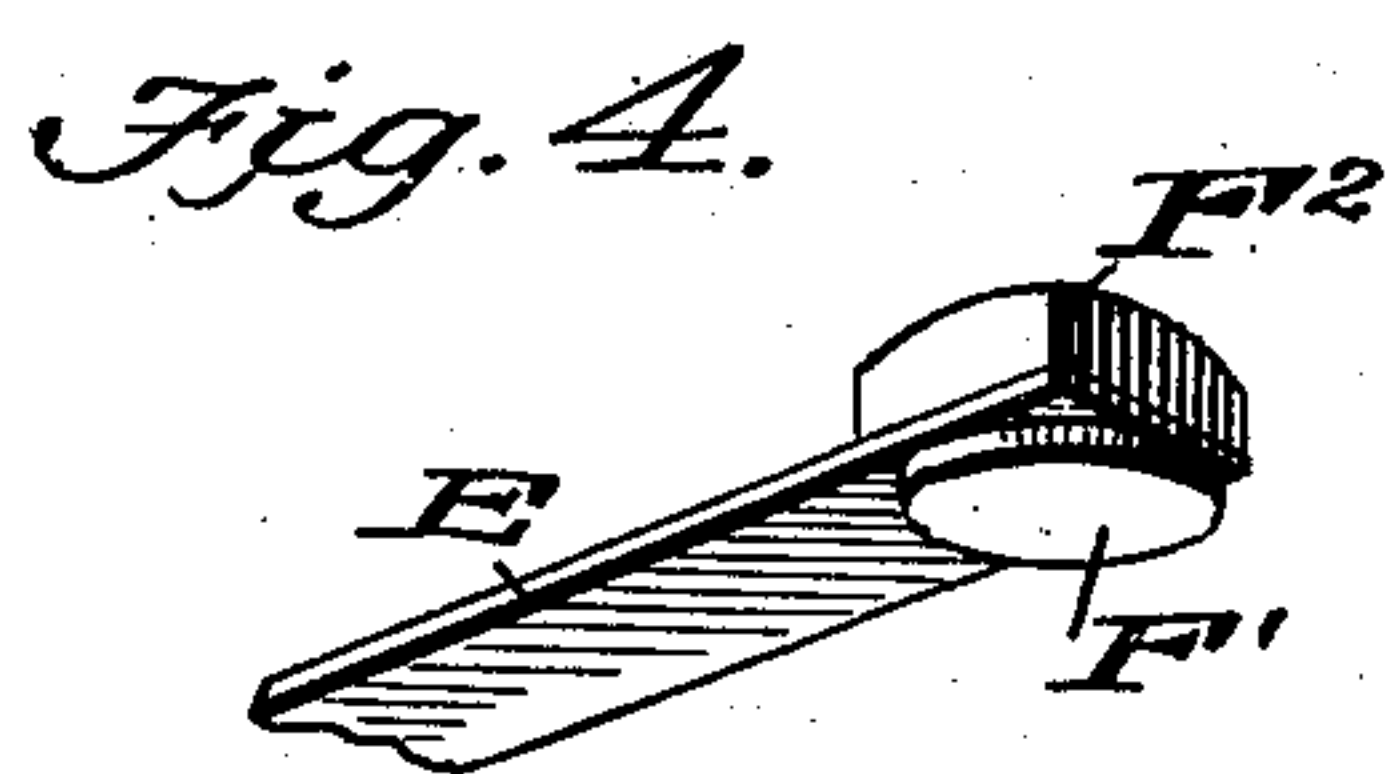
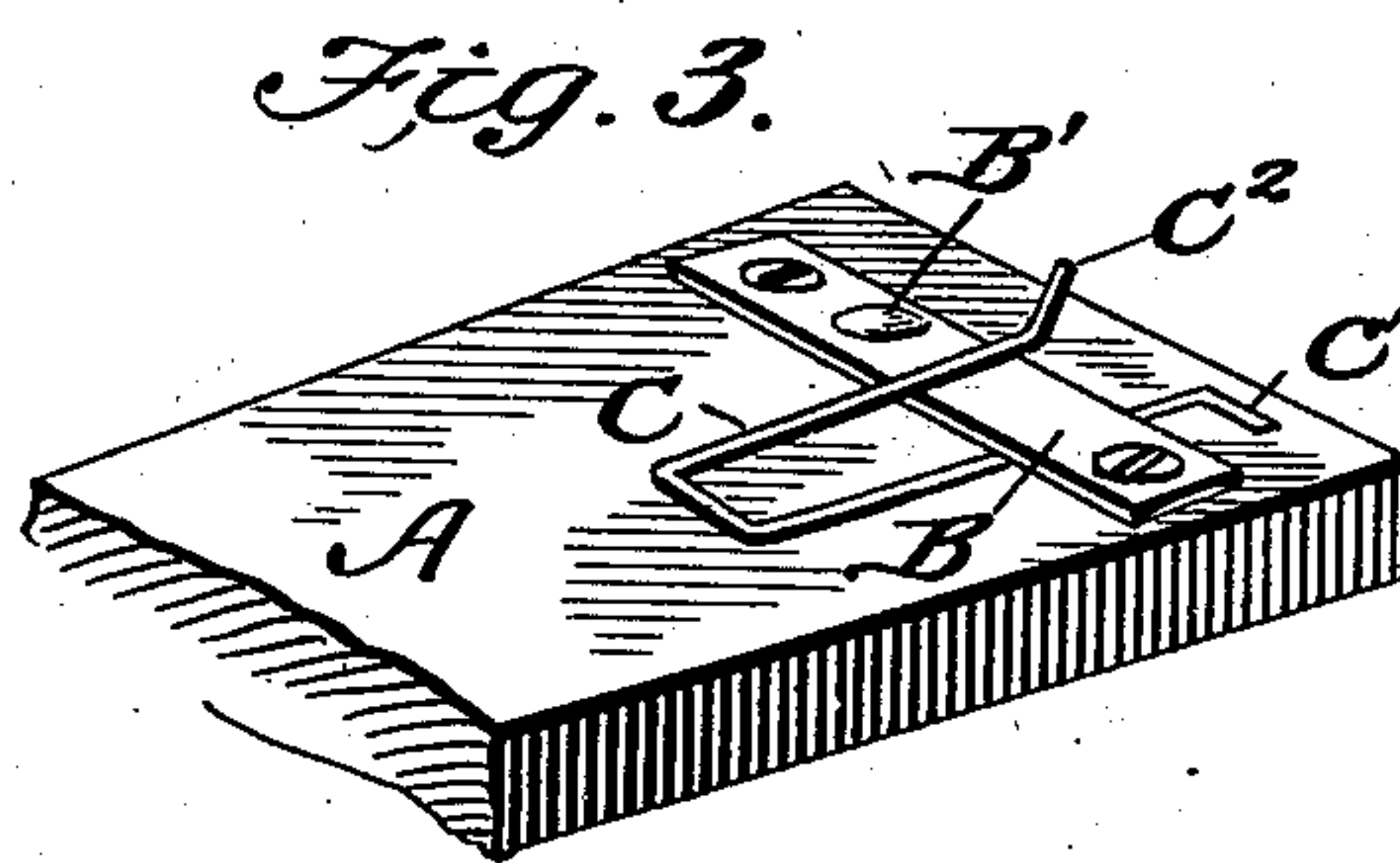
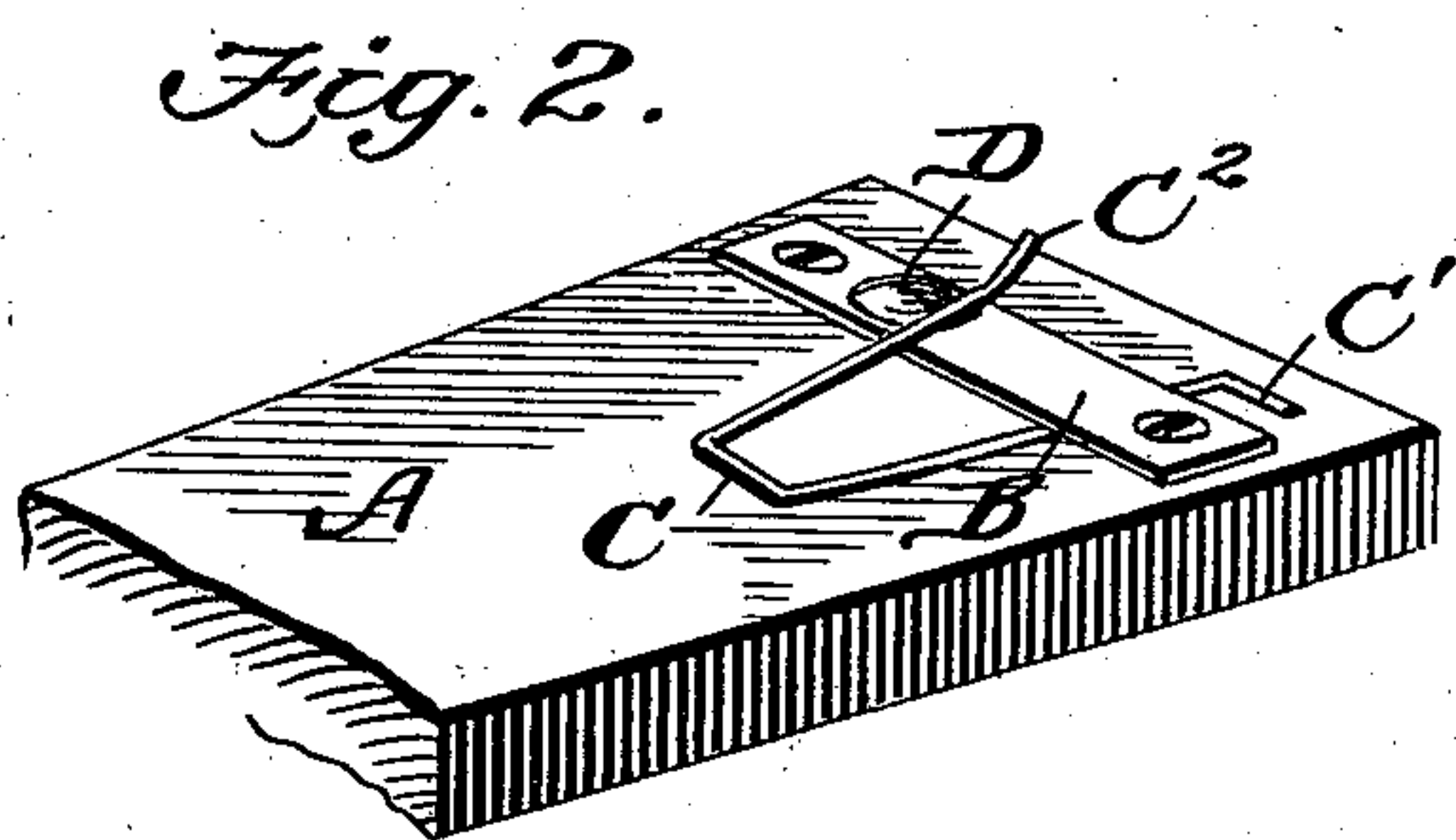
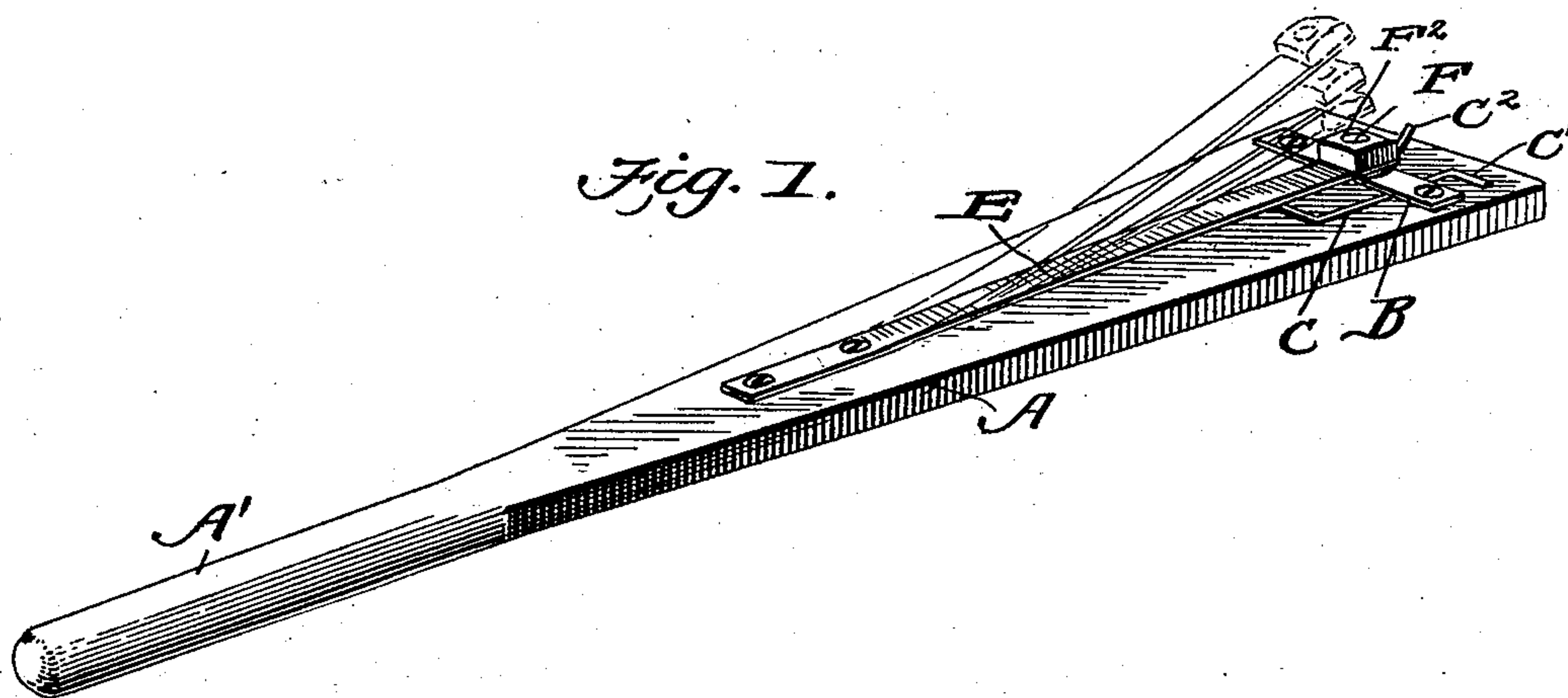
No. 692,694.

Patented Feb. 4, 1902.

W. L. MORGAN.
DETONATING TOY.

(Application filed July 20, 1901.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

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DETONATING TOY.

SPECIFICATION forming part of Letters Patent No. 692,694, dated February 4, 1902.

Application filed July 20, 1901. Serial No. 69,143. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM L. MORGAN, a citizen of the United States, residing at Burlington, in the county of Des Moines and State of Iowa, have invented an Improvement in Detonating Toys, of which the following is a specification.

This invention relates generally to toys, and more particularly to a detonating toy or one intended for exploding paper caps.

The object of the invention is to provide a toy in the form of a paddle having a cap-retaining device adjacent to the distal end, which cap is exploded by means of a suitable hammer attached to the paddle and brought into contact with the cap whenever the paddle is used for striking a blow.

The invention consists also in the peculiar arrangement of the cap-holder and hammer, as will be more fully explained hereinafter and pointed out in the claims.

In the drawings, Figure 1 is a perspective view of a toy constructed in accordance with my invention. Fig. 2 is a detail perspective view showing the manner of securing the cap. Fig. 3 is a similar view showing the position of the parts after the cap has been exploded. Fig. 4 is an inverted perspective view of the end of the hammer. Fig. 5 is a sectional view of the said end. Fig. 6 is a transverse sectional view of the paddle, striker-plate, and retaining-wire.

In constructing a toy in accordance with my invention I employ a paddle A, which is preferably formed of a thin strip of wood, preferably made tapering, the forward end being broadest and the rear end being rounded to supply a suitable handle A'. A metallic striker-plate B is arranged transversely across the upper face of the paddle adjacent to its forward end, said plate having a slightly-raised portion B', upon which the cap is adapted to rest, and in order to securely hold the said cap in place I employ a retaining-wire C, which is essentially U-shaped, one member being inserted beneath the striker-plate and having its end C' turned down to bear against the face of the paddle. The other member extends across the striker-plate and has its end C² turned slightly upward. This permits the upper member to be

quickly and easily manipulated for the purpose of placing it over an edge of the cap D and holding the said cap upon the raised portion B' of the striker-plate. It will be understood, however, that it is not absolutely necessary to have this raised portion, as the retaining-wire will hold the cap in place upon a perfectly flat striker-plate.

E indicates a flat spring-arm secured at its rear end to the body of the paddle and carrying a bolt F at its outer end, said bolt having a flat disk F' upon its lower end and a nut F² upon its upper end. The disk F' provides a flat striking-face, and the nut F² has sufficient weight to give the desired momentum. The spring carrying the said disk and nut is what I designate the "hammer" for the purpose of exploding the cap. The spring has a slight upward curve sufficient to normally hold the hammer out of engagement with the cap, thereby permitting the cap to be quickly and easily arranged upon the striker-plate. Whenever the paddle is used for striking a blow or whenever a motion similar to the striking of a blow is made, the hammer is brought into contact with the cap, and the explosion takes place. The moment the explosion takes place the retaining-wire springs to one side and every particle of the exploding cap is removed from the striker-plate, leaving the surface perfectly clean for the next cap.

It will thus be seen that I provide an exceedingly cheap, simple, and efficient construction of detonating or exploding toy.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A device of the kind described, comprising a paddle, a flat striker-plate secured upon said paddle, a retaining-wire secured at one end beneath the striker-plate, the opposite end extending across the striker-plate, and a hammer attached to the said paddle and adapted to contact with the striker-plate, substantially as described.

2. A device of the kind described, comprising a paddle, a striker-plate attached to said paddle, a U-shaped retaining-wire, one member of which extends beneath the plate and the other above the same, and a spring at-

tached to the paddle and carrying a disk at its free end, said free end being weighted, substantially as described.

3. In a device of the kind described, a paddle having a striker-plate secured thereto, a
5 U-shaped retaining-wire having one member arranged beneath the striker-plate, the end of such member being bent to bear against the paddle, the other member extending
10 across the face of the striker-plate and hav-

ing its end turned slightly upward, and the spring attached to the paddle and carrying a bolt at its free end, said bolt having a disk upon its lower end, and a nut upon its upper end, substantially as and for the purpose described. 15

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Witnesses:

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