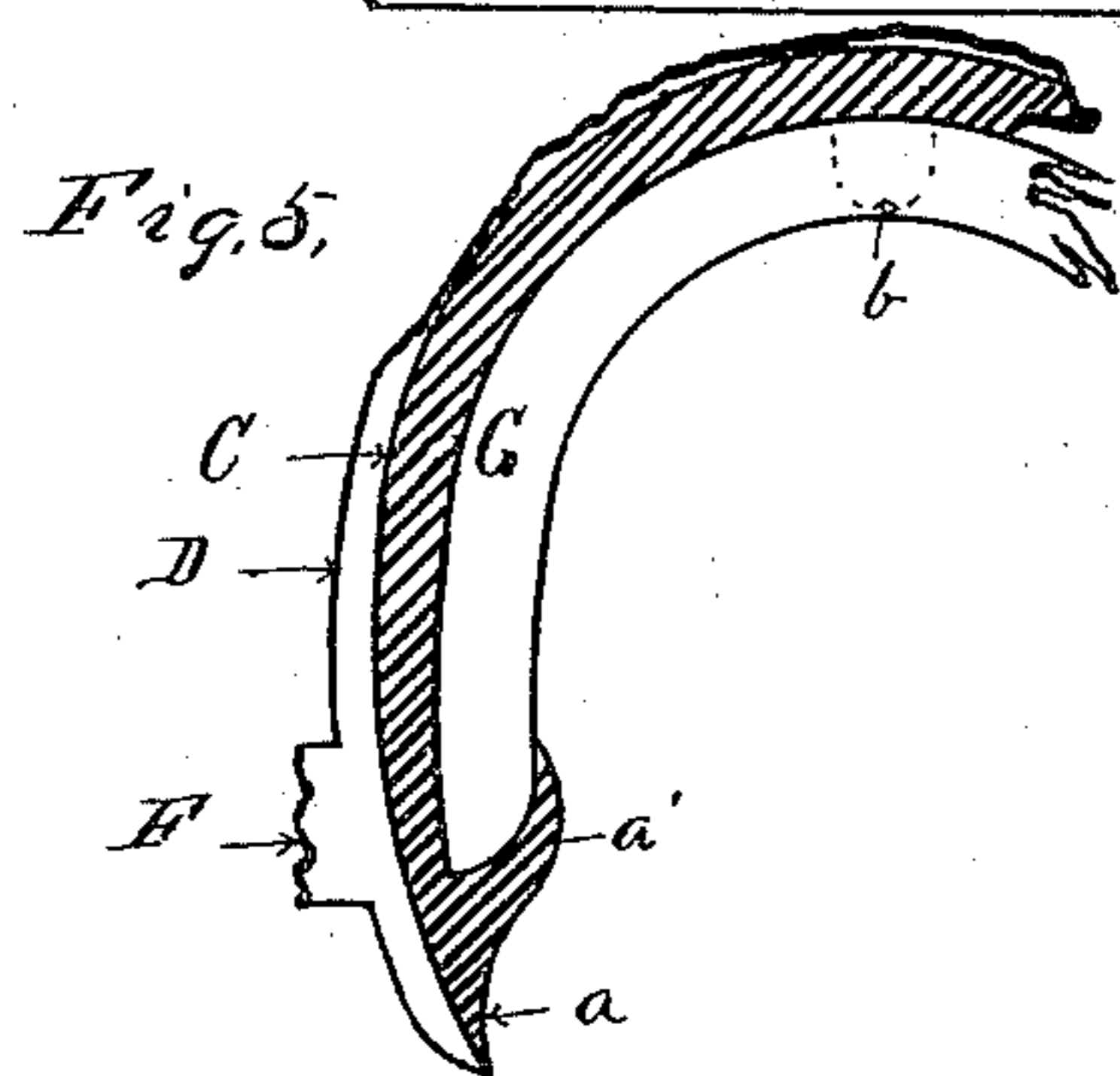
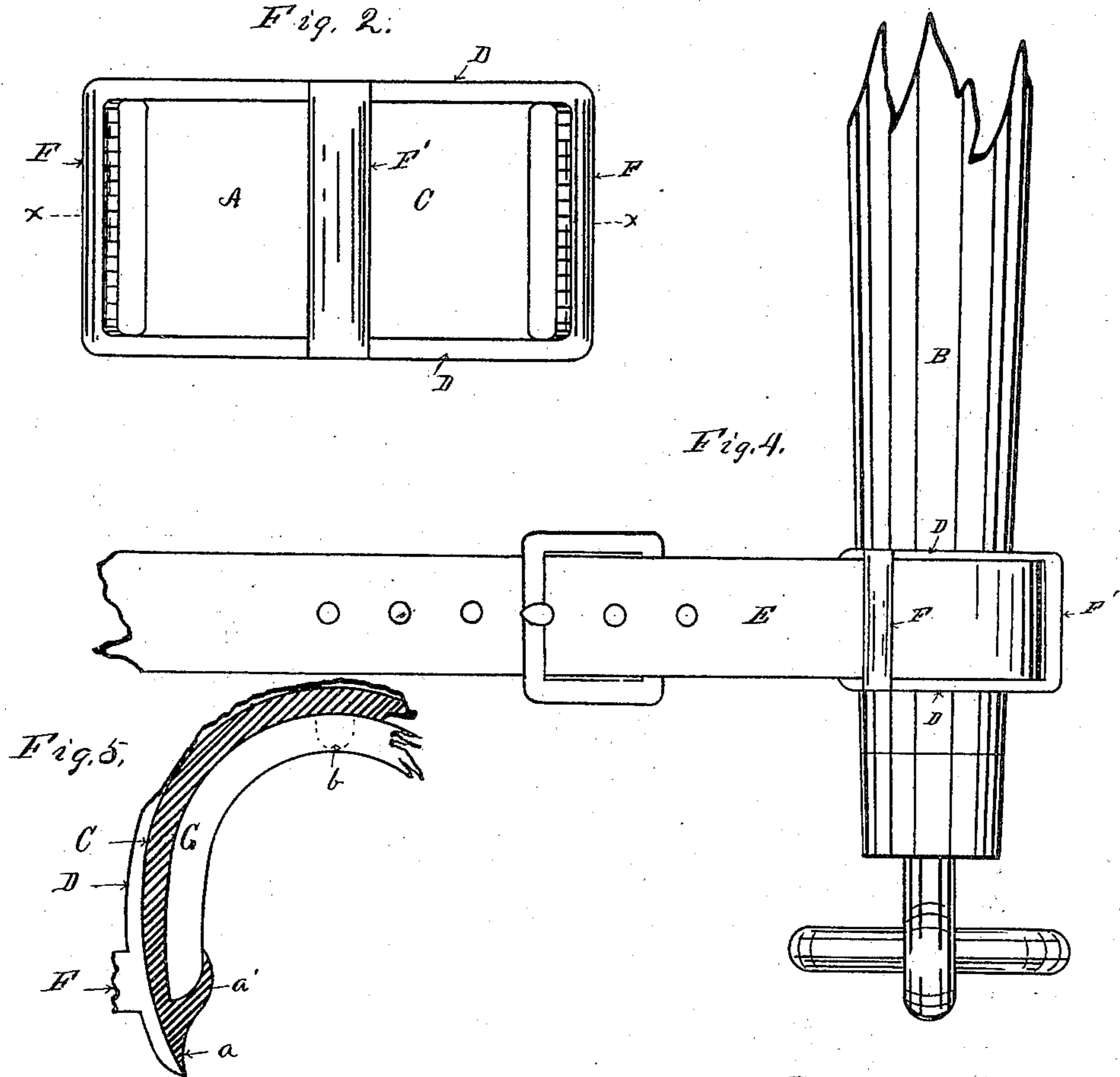
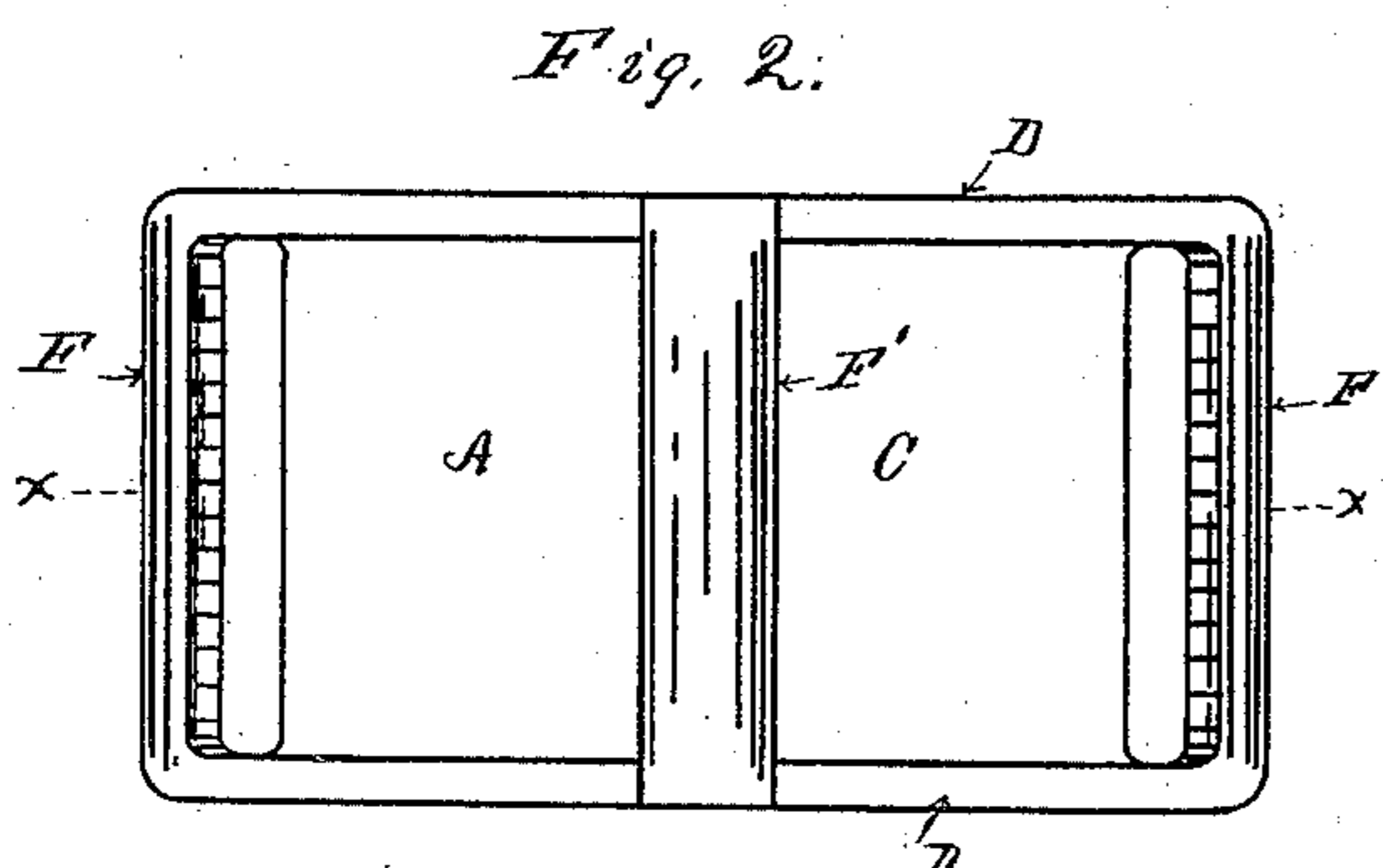
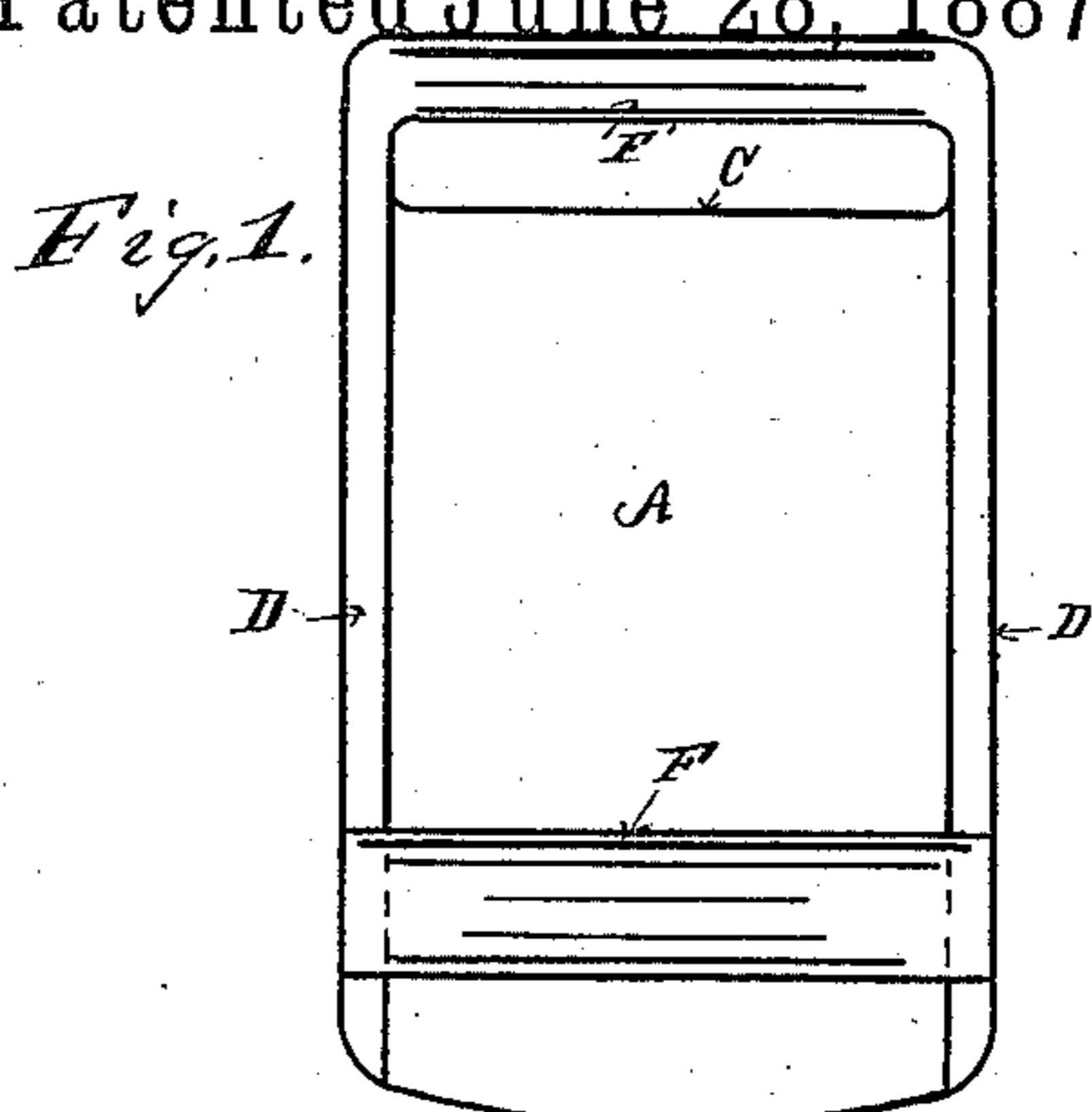
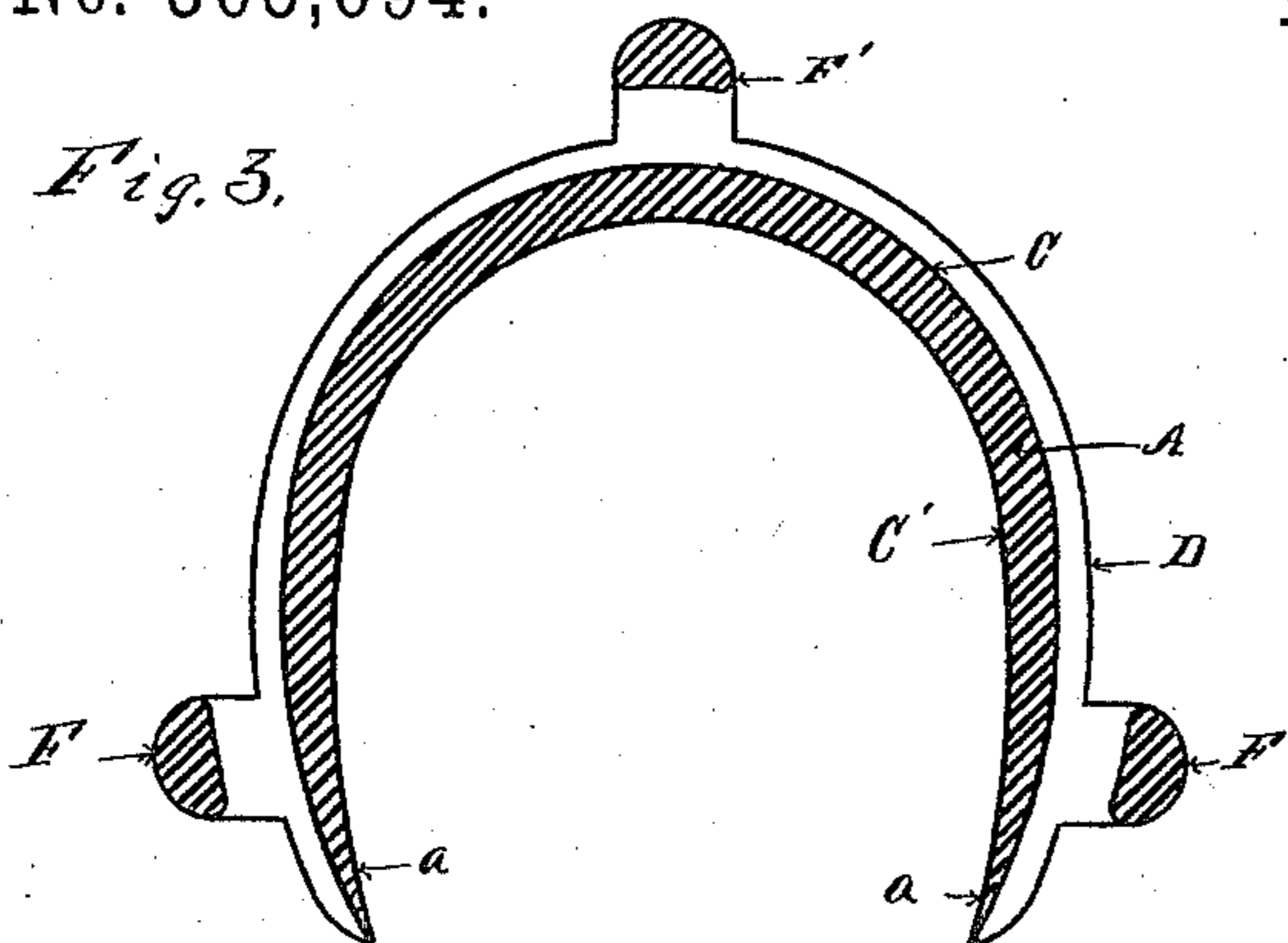


(No Model.)

C. E. LINCOLN.
HARNESS MARTINGALE.

No. 365,694.

Patented June 28, 1887.



Witnesses:
John Davis
Chas. J. Clark

Inventor
Charles E. Lincoln
Per
H. Stinson
Atty.

UNITED STATES PATENT OFFICE.

CHARLES E. LINCOLN, OF ERIE, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO
JACOB SANDUSKEY, OF SAME PLACE.

HARNESS-MARTINGALE.

SPECIFICATION forming part of Letters Patent No. 365,694, dated June 28, 1887.

Application filed February 4, 1887. Serial No. 226,605. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. LINCOLN, a citizen of the United States, residing at Erie, in the county of Erie and State of Pennsylvania, have invented a certain new and useful Improvement in Harness-Martingales; 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 the letters of reference marked thereon, forming part of this specification.

My invention consists in the improvement in harness-martingales hereinafter set forth and explained.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 shows a side elevation of my improved harness martingale slide. Fig. 2 shows a top or plan view of the same. Fig. 3 shows a section of same on the line $x x$ in Fig. 2. Fig. 4 shows the same on a neck-yoke with the harness-martingale in place thereon. Fig. 5 shows a modified construction of my improved harness martingale-slide.

Like letters refer to like parts in all the figures.

The object of my improvement is to provide a pad or slide for a harness-martingale of such shape that it will partially encircle and rest upon a neck-yoke, around which slide the martingale may be placed, and secured thereon in such manner that the martingale will not come in contact with the neck-yoke and be worn by frictional contact therewith. To accomplish this result, I make a semicircular body, A, of metal or other suitable material, so that it will fit around a neck-yoke, B, as illustrated in Fig. 4, the ends of the semicircle $a a$ being extended somewhat substantially parallel to each other, the outside face, C, of the body A gradually tapering toward the in-

ner face, C', so as to form blunt edges at the ends $a a$. Along each edge of the outside face, C, I make flanges D of sufficient height to form guards for the edges of the martingale E, encircling the body A. Extending from one of the flanges D to the other I make cross-bars F F F', the bars F F being preferably near the ends $a a$, and the bar F' near the center of the curve in the body A, these cross-bars being placed far enough from the face C of the body A so as to allow the martingale E to be inserted between the bars F F' F and the outside face, C, of the body A, and thereby be secured and retained in place thereon.

In Fig. 5 I show a section of a modified construction of my device. In this form of construction the outside of the body A', the flanges D', and cross-bars F F' F are the same in all respects as I have hereinbefore described. The inside face, C', however, is chambered out, so as to receive a cushion, G, of rubber, leather, or other suitable material, which I secure in place therein by the ears a' , near the ends a , and ears b , near the center of the curved portion of the body A, these ears being bent inward upon the ends and edges of the cushion G, thereby securing it firmly in place.

Having thus described my invention, its operation is so obvious that further description thereof is unnecessary. Therefore

What I claim as new, and desire to secure by Letters Patent of the United States, is—

The combination, in a harness-martingale slide, of a semicircular slide, A, having inwardly-projecting ears a' and b , with a resilient lining or cushion, G, therein, substantially as and for the purpose set forth.

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

CHARLES E. LINCOLN.

Witnesses:

H. J. CURTZE,
JACOB SANDUSKEY.