

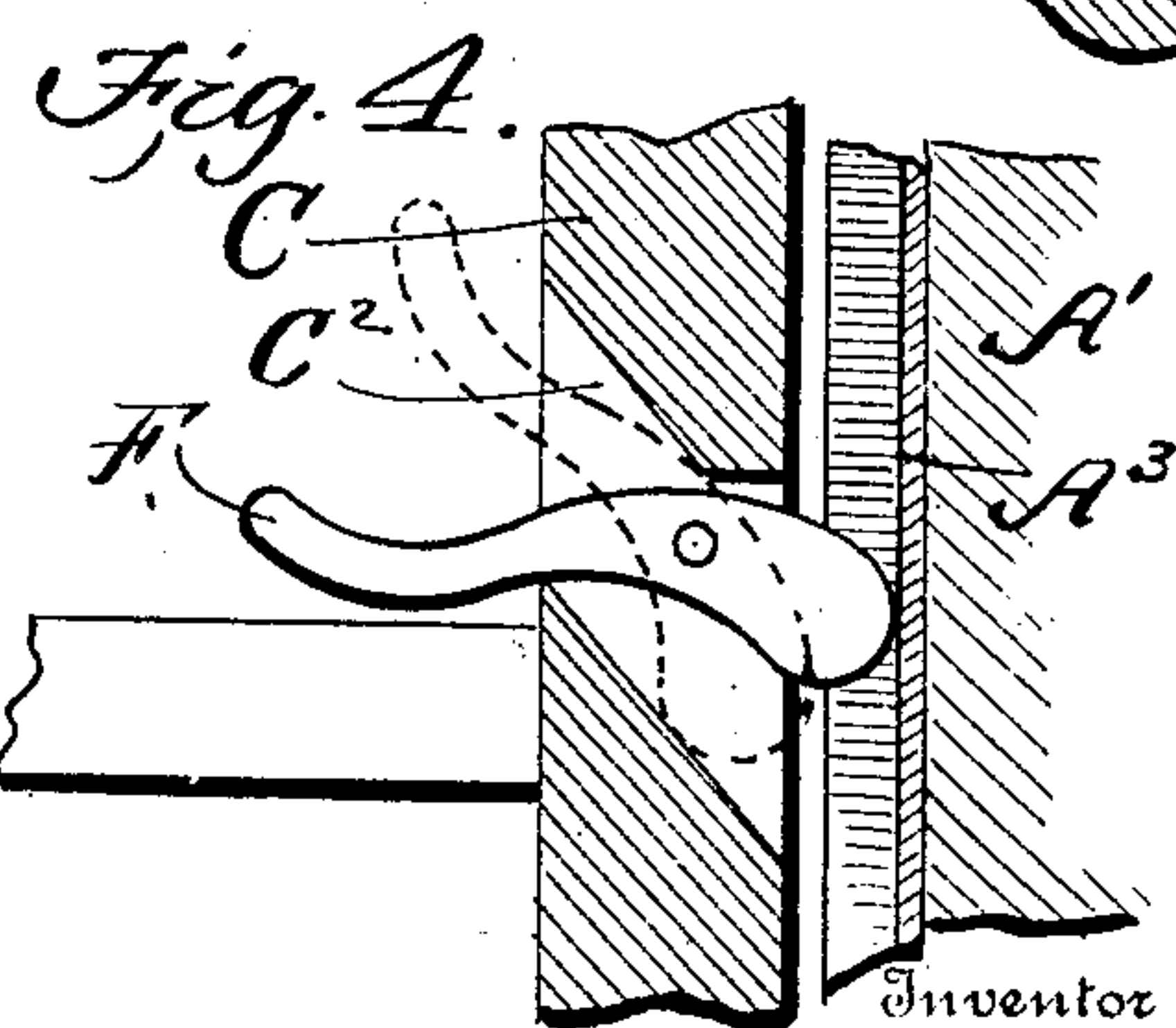
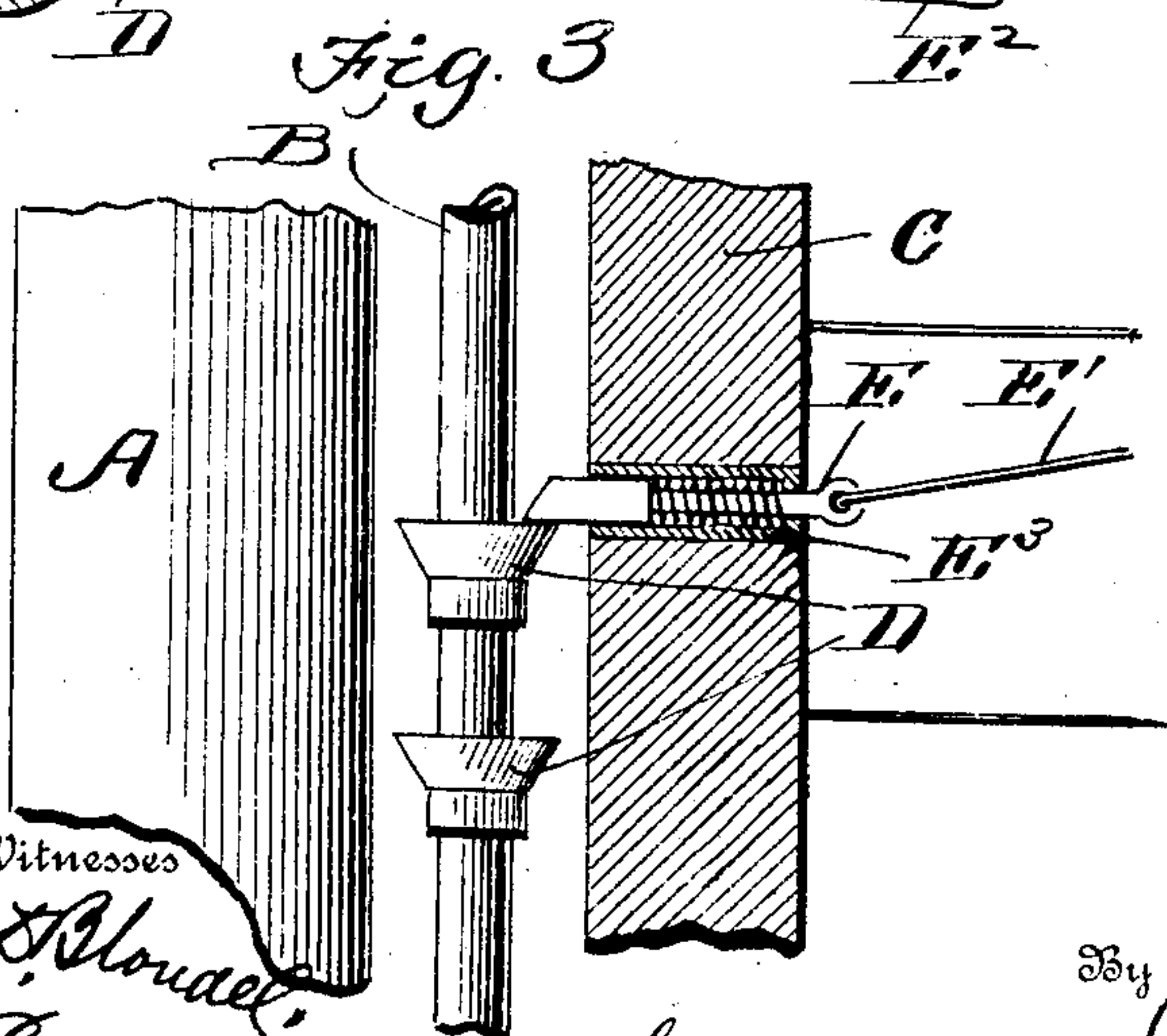
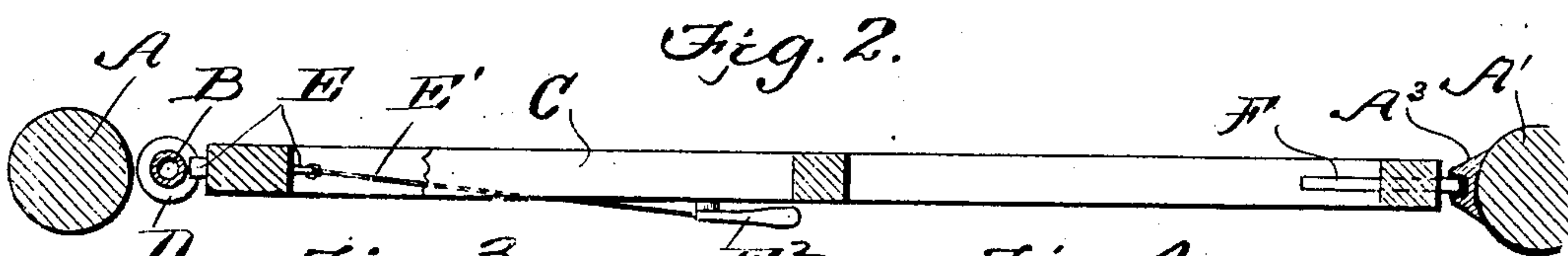
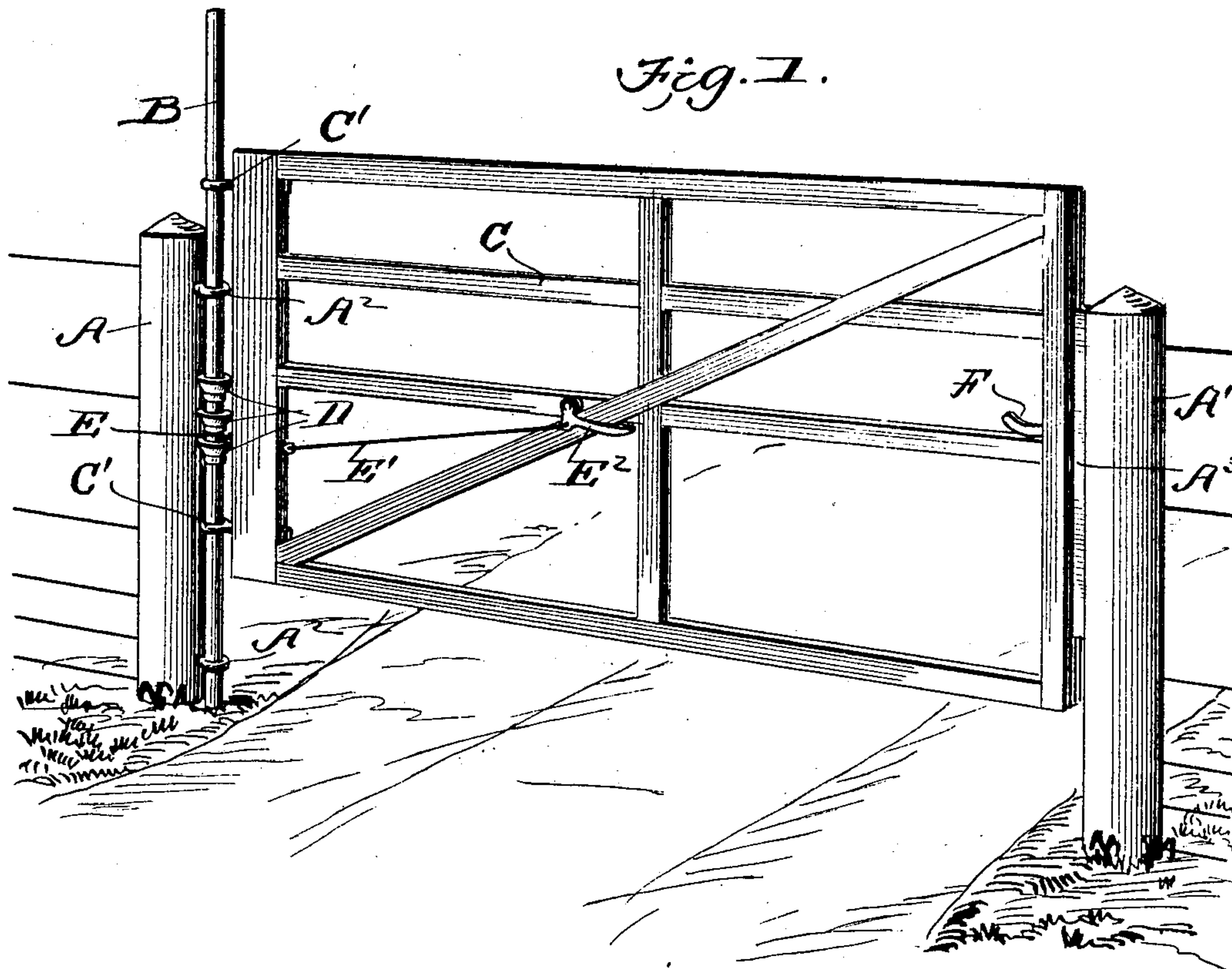
No. 803,691.

PATENTED NOV. 7, 1905.

J. G. HIBNER.

GATE.

APPLICATION FILED MAR. 25, 1905.



Witnesses
M. S. Blouet,
Edgar B. McBeth.

John G. Hibner.

By *Marshall Brock*
Attorneys

UNITED STATES PATENT OFFICE.

JOHN G. HIBNER, OF IOWA FALLS, IOWA.

GATE.

No. 803,691.

Specification of Letters Patent.

Patented Nov. 7, 1905.

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To all whom it may concern:

Be it known that I, JOHN G. HIBNER, a citizen of the United States, residing at Iowa Falls, in the county of Hardin and State of Iowa, have
5 invented a new and useful Improvement in Gates, of which the following is a specification.

This invention relates to a vertically-adjustable gate; and the object of the invention is a gate which can be readily moved up-
10 wardly or downwardly on the gate-post and locked to swing horizontally in a plane more or less elevated above the surface of the ground. The object in lifting or adjusting the gate is to allow for heavy snows or to permit
15 passage from one field or lot to another of small animals, such as swine, and preventing passage of larger animals, as cattle.

The invention consists of a gate pivotally swung on a standard by means of eyes movable vertically on the standard, fixed collars
20 carried by the standards, and a spring-pressed bolt carried by the gate and adapted to engage one of the collars.

The invention also consists in a bell-crank
25 lever and a connecting-cable between the lever and bolt, by means of which the latter can be readily withdrawn from engagement with the collar.

The invention further consists in the novel
30 features of construction and combination of parts hereinafter set forth, pointed out in the claims, and shown in the accompanying drawings, in which—

Figure 1 is a perspective view of my device. Fig. 2 is a horizontal section. Fig. 3
35 is a detail view, a portion of the gate being shown in vertical section, the spring and bolt being in elevation. Fig. 4 is a detail sectional view of the gate-locking means, the
40 catch being in elevation.

In the drawings, A and A' are gate-posts, B a standard secured by eyes A² to the post A, and C a gate hung between the posts. On the standard B, between the eyes A², are arranged fixed collars D. The gate C is pivotally
45 hung on the standard B by eyes C', movable vertically on the standard and having their movement limited by the eyes A². The standard B is of a greater height than the
50 posts A and A'. Working through the hinged end or side member of the gate C is a bolt E, pressed outwardly by a coil-spring E³. A cable E' has one end connected to the inner end of the bolt E and its opposite end connected
55 to the angled portion of a bell-crank lever E², pivoted upon the gate C.

The gate-post A' carries a vertical and vertically-grooved guideway A³, and the free end portion of the gate is slotted, as shown at C². A curved catch F is pivoted intermediate its
60 ends in the slot C², and in its normal position an end of the catch F rests in the groove of the guideway A³, which forms a keeper for the catch in any adjusted position of the gate.

It will be obvious from the description and
65 drawings that by forcing downwardly the free end of the lever E² and withdrawing the bolt E from engagement with the collars D the gate can be adjusted vertically without opening the same or touching the catch F, the
70 catch sliding freely in the guideway A³; also, that the gate can be unlatched by means of the catch F by lifting the inner end of the same and opened without withdrawing the bolt E
75 from engagement with one of the collars, the bolt moving on the collar as the gate swings.

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

1. A device of the kind described comprising
80 a standard, a gate pivotally mounted and vertically movable on the standard, fixed collars on the standard, and a spring-pressed bolt adapted to engage the collars.

2. A device of the kind described comprising
85 a standard, eyes vertically movable on the standard, a gate carried by the eyes, fixed collars arranged on the standard between the eyes, and a spring-pressed bolt adapted to engage the collars.
90

3. A gate of the kind described comprising a standard, fixed collars on the standard, a gate pivotally and movably carried by the standard, a spring-pressed bolt carried by the gate adapted to engage the collars, a lever
95 pivoted to the gate and a cable connecting the lever and the bolt.

4. A device of the kind described comprising gate-posts, a gate vertically movable between the said posts, means for locking the
100 gate in an adjusted position with respect to its distance above the ground, a vertical guide carried by one of the posts, and a pivoted catch carried by the gate and adapted to normally rest in the guideway, and to slide
105 vertically in the guideway.

JOHN G. HIBNER.

Witnesses:

CHAS. G. HIBNER,
H. L. HAPSKI.