

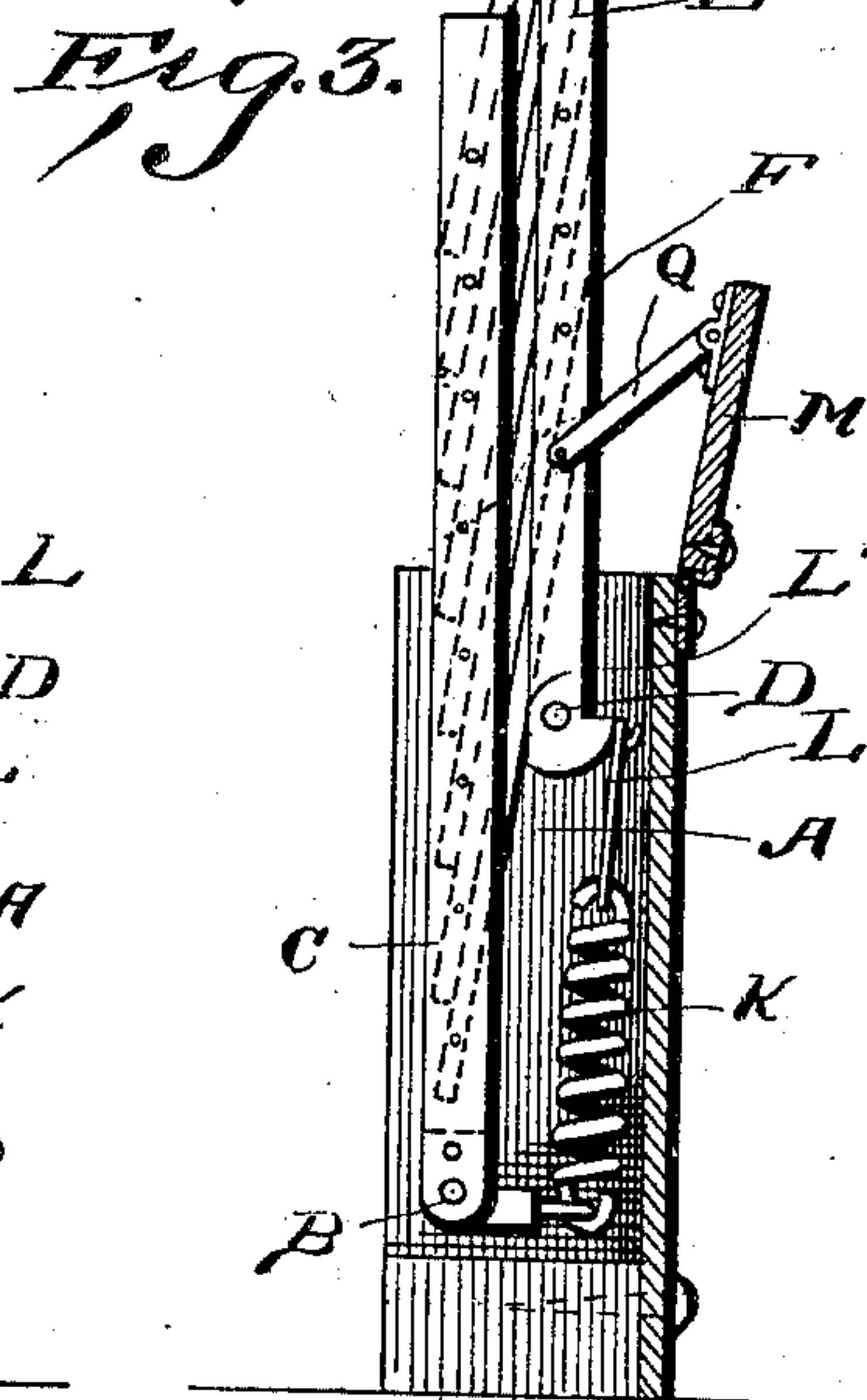
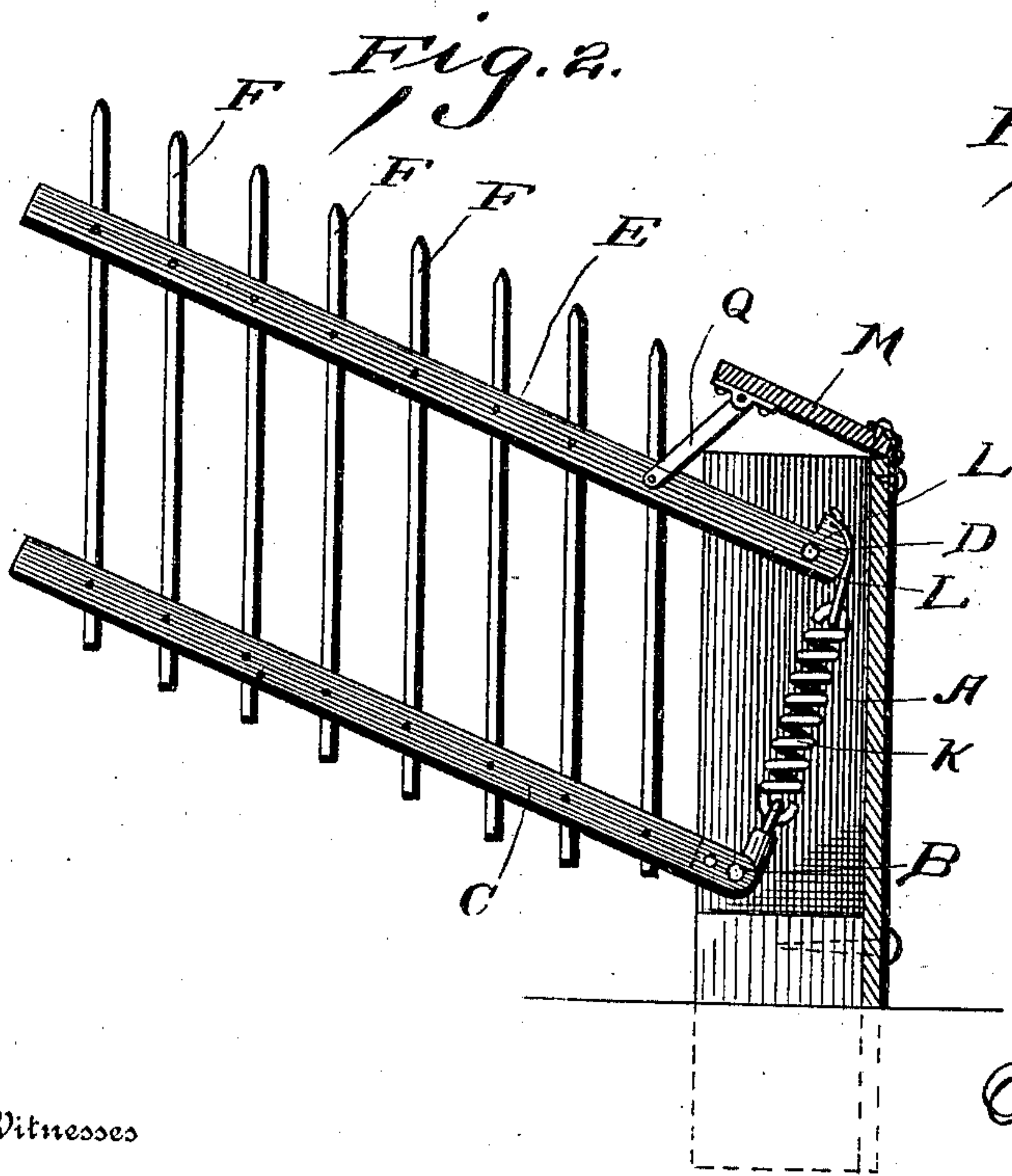
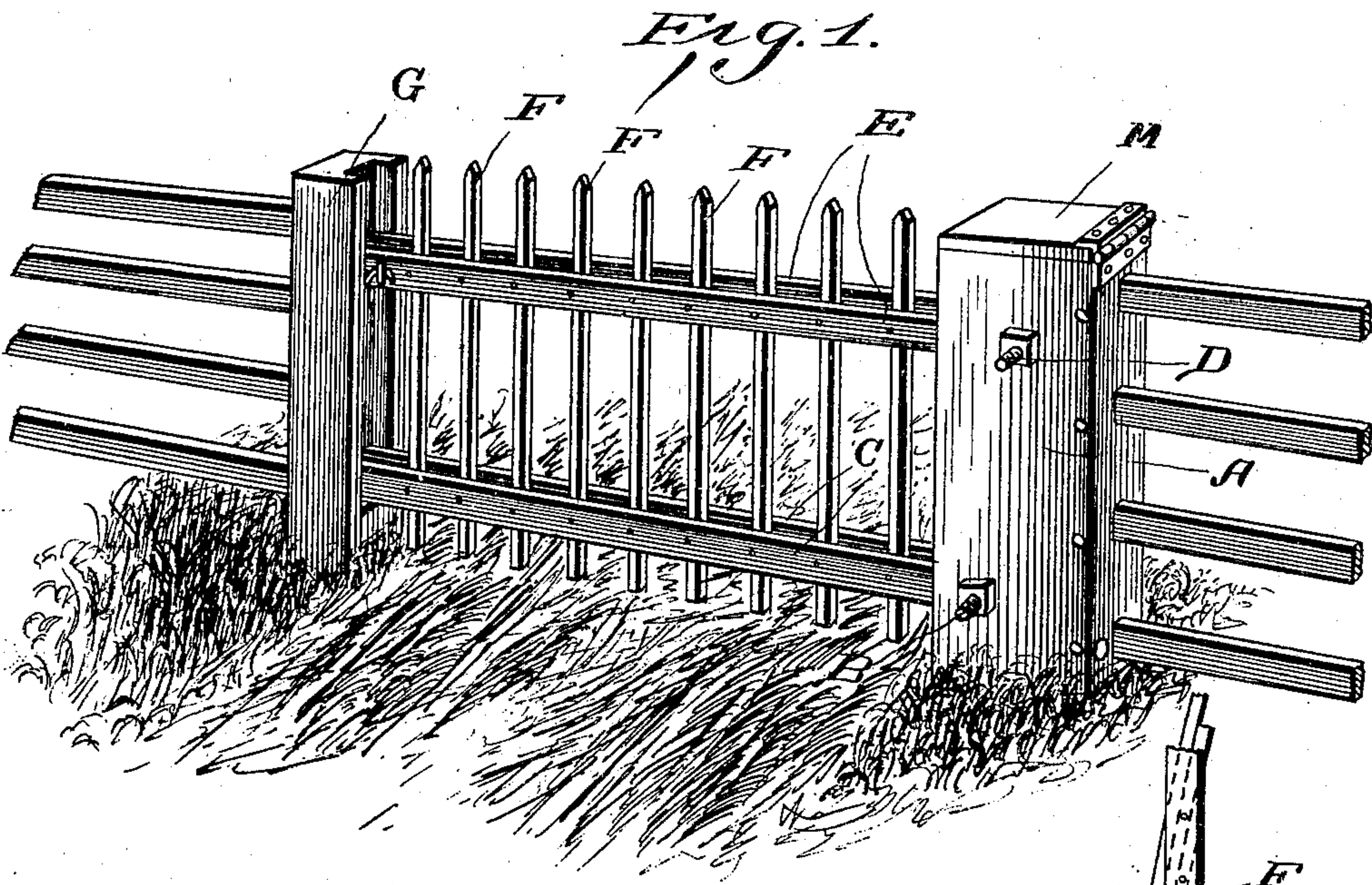
No. 696,559.

Patented Apr. 1, 1902.

E. GRAHAM.  
GATE.

(Application filed Dec. 9, 1901.)

(No Model.)



Witnesses

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# UNITED STATES PATENT OFFICE.

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## GATE.

SPECIFICATION forming part of Letters Patent No. 696,559, dated April 1, 1902.

Application filed December 9, 1901. Serial No. 85,247. (No model.)

*To all whom it may concern:*

Be it known that I, ELIAS GRAHAM, a citizen of the United States, residing at Casey, in the county of Clark and State of Illinois, have  
5 invented certain new and useful Improvements in Gates; and I do 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  
10 make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful  
15 improvements in folding and swinging gates; and it consists in the provision of means whereby the gate may be easily folded into a vertical position, means being provided to house the inner pivotal ends of the gate, which  
20 are connected by means of a spring, and the provision of a cover which automatically closes over the pivotal ends of the gate when the gate is shut or in a horizontal position.

The invention will be hereinafter more  
25 fully described, and then specifically defined in the appended claims, and is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this application, and in which  
30 drawings—

Figure 1 is a view showing my improved gate as closed. Fig. 2 is a view in side elevation, showing a portion of the boxing on which the pivoted ends of the gate are held  
35 as broken away, the gate being shown as partially open. Fig. 3 is a detail view showing the gate open.

Reference now being had to the details of the drawings by letter, A designates a housing for the gate, comprising a boxing having  
40 three closed sides, and B designates a pivotal pin on which the lower strip C of the gate is mounted. A similar pivotal pin D, mounted in the opposite walls of the boxing,  
45 carries the upper parallel strip E of the gate, and F designates the pickets of the gate, which are pivoted in a parallel relation to each other.

G designates a gate-post or hollow boxing,

in which the free end of the gate is held when  
50 horizontal, the gate being held in this position by means of a catch of any suitable construction. To the inner end of the strip C is connected the lower end of the spring K, the  
55 upper end of which spring is secured to a strap L, which in turn is fastened to the upper end of the segment L, which is secured to the inner end of the strip E. This spring is normally under tension when the gate is open,  
60 as shown in Fig. 1 of the drawings, and when the latch at the free end of the gate is released the tension of the spring will draw down upon  
the strap N, which will cause the strip E to turn upon its pivotal point into a vertical position, and as said strip E turns into an up-  
65 right position the pivotal connections of the pickets with the lower strip will cause the latter to also turn into an upright position, the two strips assuming the relations shown  
70 in Fig. 3 of the drawings.

Hinged to the top of the boxing A is a cover  
M, which has a link Q connecting the same with the strip E, whereby as the gate opens  
75 into an upright position said cover will be thrown back into a vertical position and when the gate closes said cover will be drawn down and cover the upper end of said boxing, as will be readily understood.

From the foregoing it will be observed that  
80 a gate constructed in accordance with my invention will be simple in construction and operation, and by reason of the adjustment of the spring the gate may be readily opened, and the pivotal parts and spring connecting  
85 the strips of the gate will be housed from the elements, and a gate is produced which presents an attractive appearance.

Having thus described my invention, what I claim to be new, and desire to secure by Letters Patent, is—  
90

1. A tilting and folding gate, comprising a  
hollow boxing open on one side, pivotal pins  
mounted in the opposite faces of said boxing,  
strips mounted on said pins, a curved seg-  
95 ment secured to one of said strips, a spring fastened at its lower end, to the lower one of said strips, a strap fastened to the upper end of said segment and having connection with

the upper end of the spring, and means connected to the gate, for automatically opening and closing the top of said boxing, as set forth.

2. A tilting gate, comprising a boxing open  
5 on one side, strips pivotally mounted within said boxing, spring connections between the pivotal ends of said strips, a hinged top to said boxing, and pivotal link connection be-

tween said top and one of said strips, as set forth. 10

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

ELIAS GRAHAM.

Witnesses:

B. F. NEAL,  
ROSS LEE.