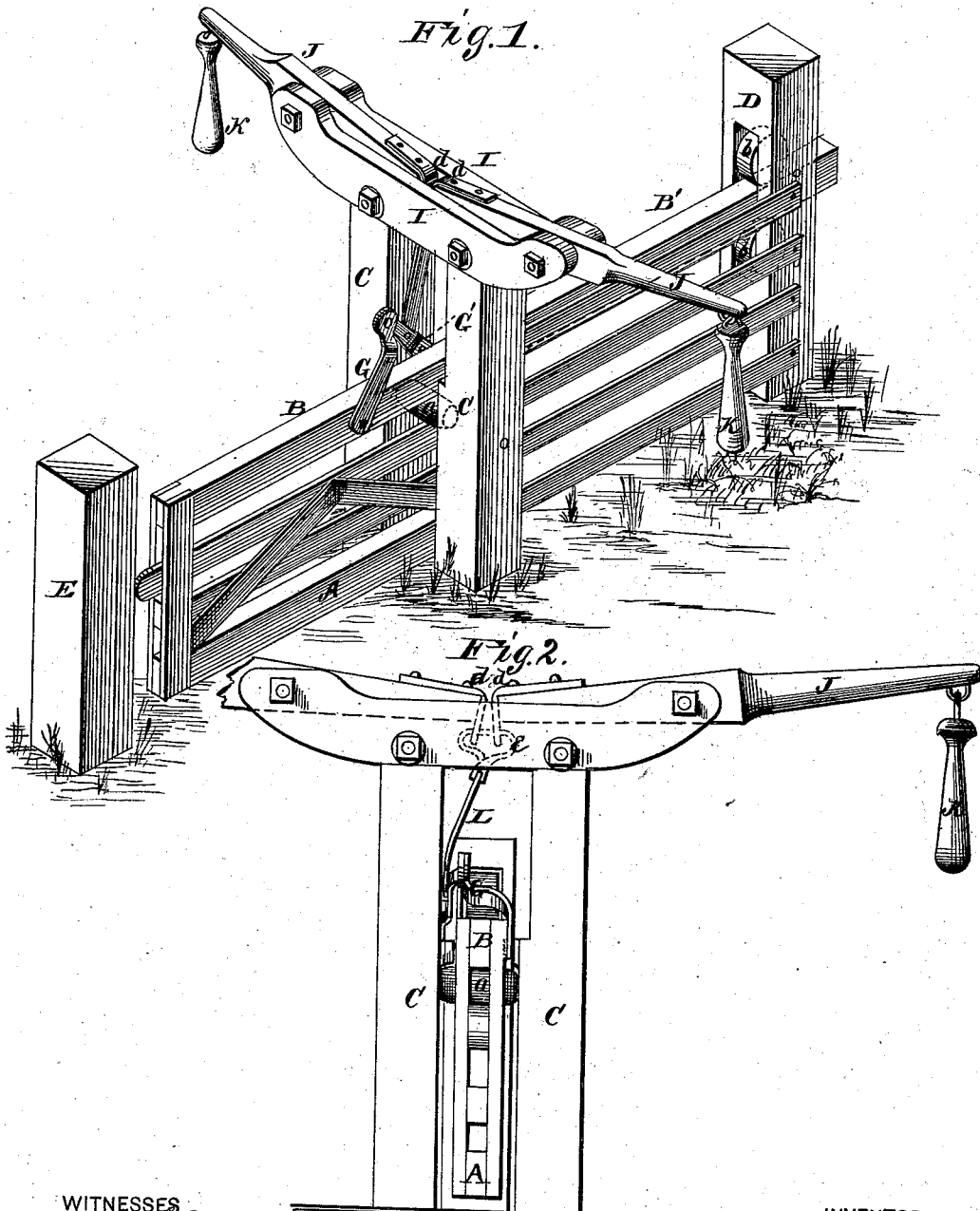


N. M. BELL.

GATE.

No. 187,804.

Patented Feb. 27, 1877.



WITNESSES
Frank L. Curaud,
C. R. Ewert,

INVENTOR
N. M. Bell
Alfred Mason
ATTORNEYS

UNITED STATES PATENT OFFICE

NICHOLAS M. BELL, OF McHENRY, ILLINOIS.

IMPROVEMENT IN GATES.

Specification forming part of Letters Patent No. 187,804, dated February 27, 1877; application filed December 13, 1876.

To all whom it may concern:

Be it known that I, N. M. BELL, of McHenry Post-Office, in the county of McHenry, and in the State of Illinois, have invented certain new and useful Improvements in Gates; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of certain devices connected to a gate for opening and closing the same, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of a gate embodying my invention. Fig. 2 is an end view of the same.

A represents an ordinary gate, provided with a top beam, B, which has an extension, B', of suitable length, as shown.

The gate is hung upon a roller, *a*, mounted between two upright posts, C C, the beam B resting on said roller, and the gate is held in a horizontal position by the extension-beam B', working between two rollers, *b b*, mounted in a mortise in the fence post D.

E is the post at the outer end of the gate, against which the gate closes. At or about the center of the top beam B of the gate is pivoted a lever, G, the free end of which is pivoted to the outer end of a similar lever, G', having its inner end pivoted to the inner side of one of the posts C.

The two posts C C are, at their upper ends, connected by cross-bars I I, extending beyond said posts on both sides for a suitable distance. At the ends of these cross-bars are pivoted two levers, J J, standing in a direction at right angles with the line of movement of the gate. From the outer end of each lever J depends a handle, K.

At the inner end of each lever J is an iron hook or band, *d*, and these two hooks or bands are, by one link, *e*, connected to a rod or bar, L, the other end of which is pivoted to the lever G'.

By giving a quick pull on either of the handles K the bar L draws the levers G' and G, so as to half open the gate, and the impetus given the gate carries it over the center, and causes it to open completely. In the same manner the gate is easily closed when desired.

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

The combination, with a gate, A, having top beam B, with extension B', and supported by the rollers *a* and *b b*, of the levers J J, with handles K K, and bands or hooks *d d*, the link *e*, bar L, and levers G G', all constructed and arranged substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 18th day of November, 1876.

NICHOLAS M. BELL.

Witnesses:

M. KELTER,
C. P. WAITE.