

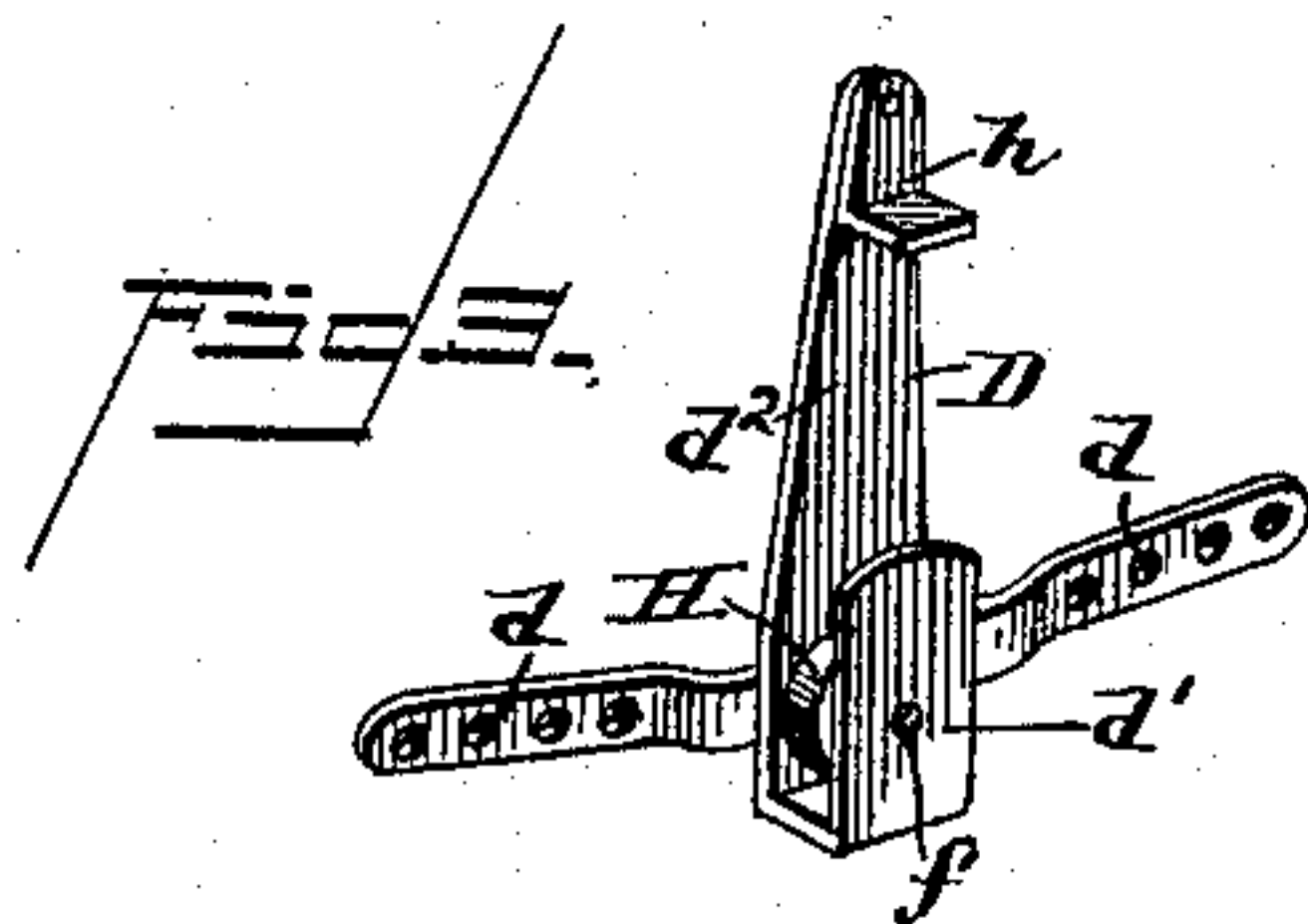
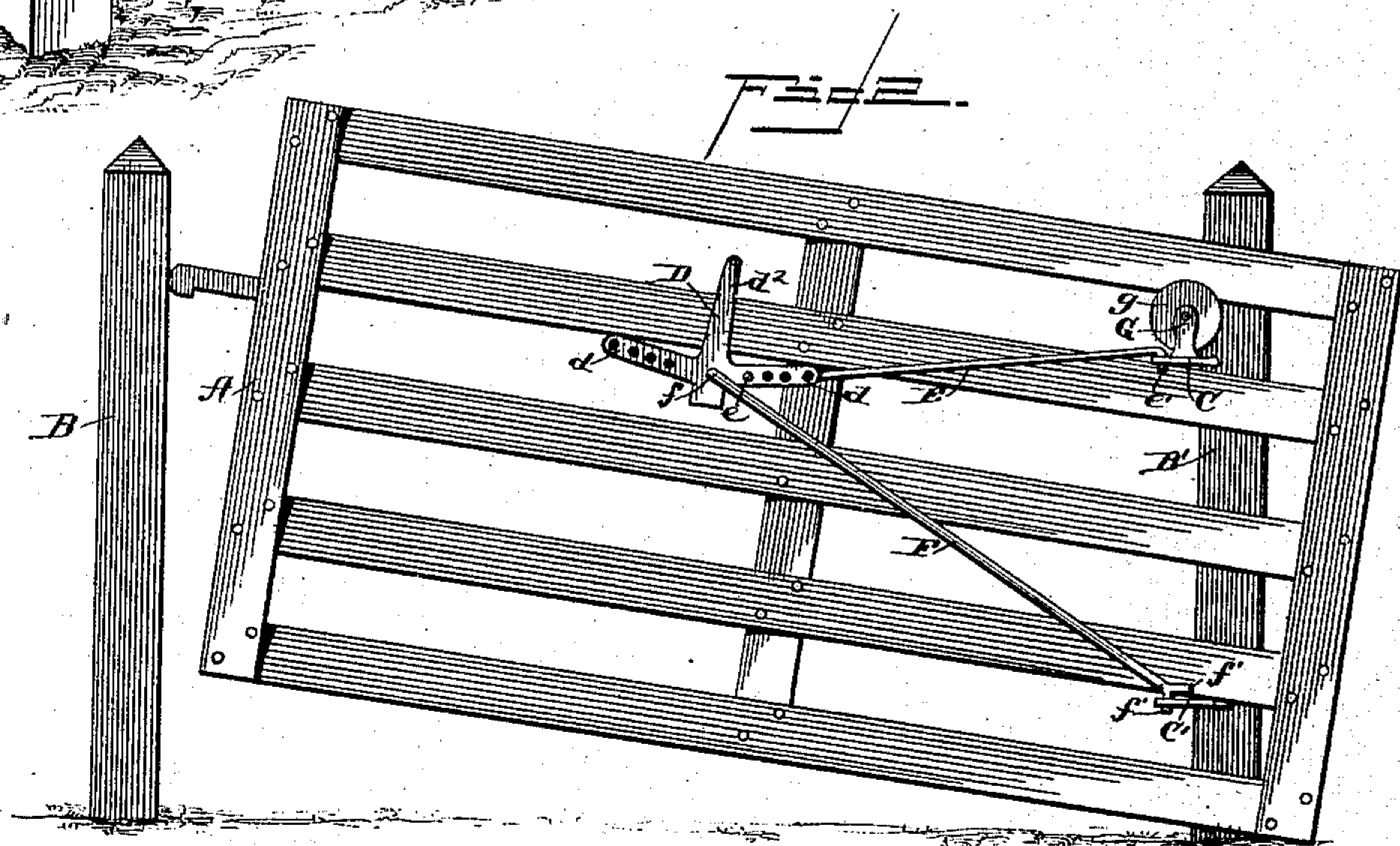
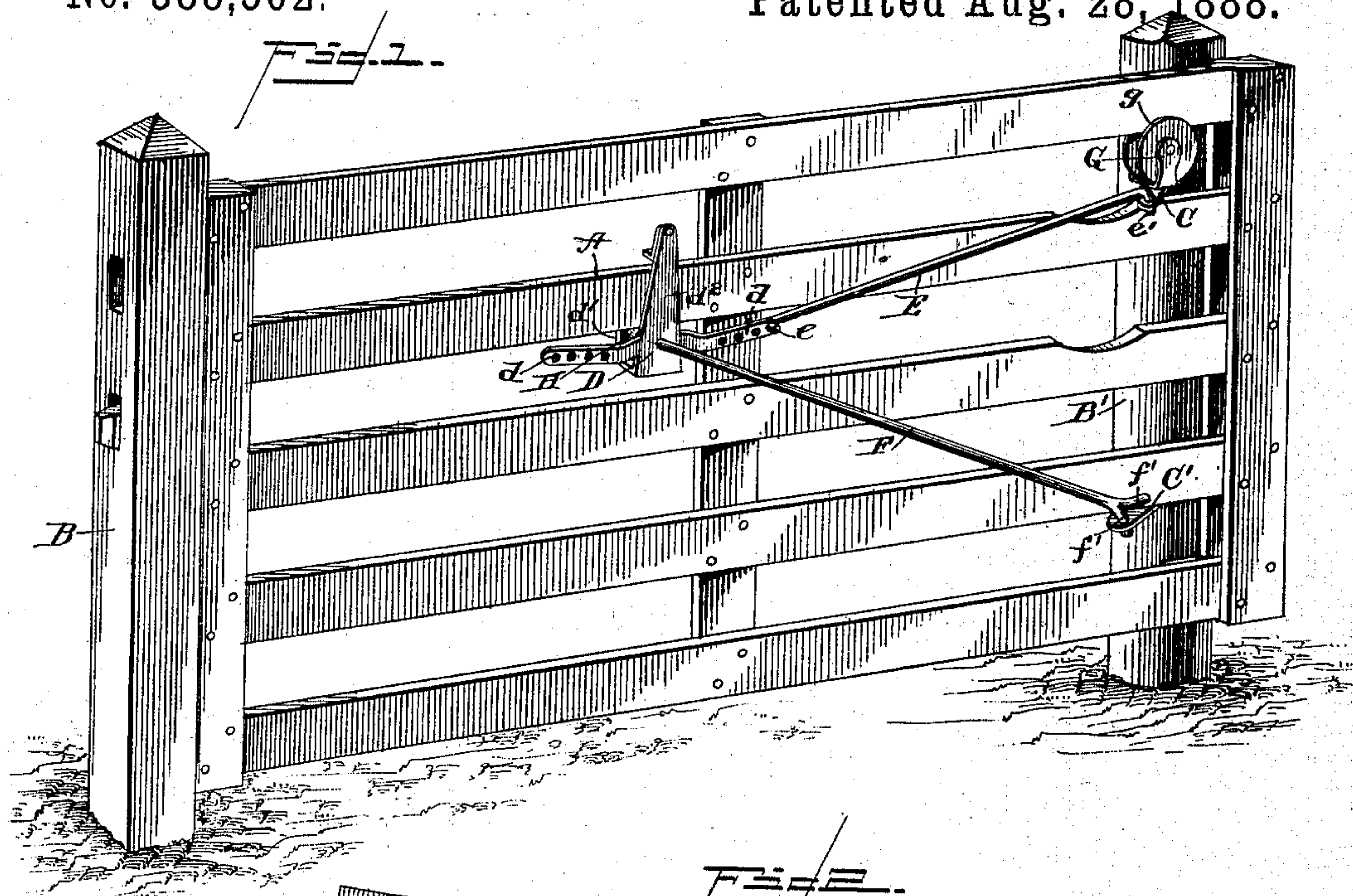
(No Model.)

J. W. PAULEN.

GATE.

No. 388,502.

Patented Aug. 28, 1888.



Witnesses,
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UNITED STATES PATENT OFFICE.

JACOB W. PAULEN, OF FANCY PRAIRIE, ILLINOIS.

GATE.

SPECIFICATION forming part of Letters Patent No. 388,502, dated August 28, 1888.

Application filed April 25, 1888. Serial No. 271,783. (No model.)

To all whom it may concern:

Be it known that I, JACOB W. PAULEN, a citizen of the United States, residing at Fancy Prairie, in the county of Menard and State of Illinois, have 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 make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to gates of that class which are adapted to slide and swing, and which can be tipped up at one end to allow for sagging and permit small stock to pass beneath them.

The object of the invention is the provision of simple and efficient means for mounting the gate, whereby it can be hinged at either end, and adjusted at one or both ends, which hereinafter will be more fully described and claimed, and shown in the annexed drawings.

Figure 1 is a perspective view of a gate embodying my invention; Fig. 2, a side view showing the gate partially moved back and having its outer end adjusted; and Fig. 3 is a perspective view of the T-casting.

The gate A is of the usual form, having end battens and longitudinal rails, and is supported between the two posts B and B', located on each side of the roadway, respectively.

The mountings consist of the bolts C and C', the T-casting D, the rods E and F, and the roller g, journaled in the frame G, which is connected by a swivel-joint with the bolt C. The arms d of the casting D have a series of perforations, any one of which is adapted to receive the bent end e of the rod E, the other end, e', of the rod E being bent and fitted in an opening in the bolt C. The lower end, d', of the casting D is bent up to embrace the lower edge of a rail of the gate between it and the vertical portion d² of the said casting, and the roller H, placed between the portions d' and d², is mounted on the end f of the rod F, which end passes through the parts d' and d². The catch h, pivoted to the end of the vertical

portion d², overhangs the roller H and prevents the vertical displacement of the gate. The lower end of the rod F is bifurcated to form the two extensions f' f', which are adapted to fit in an opening in the bolt C'. The upper end, f, of the rod F is permanently connected with the casting D, and is free to turn therein to permit the adjustment of the casting D and the swinging of the rod F from one side to the other, according as the gate is to be hinged on the right-hand or left-hand end.

In mounting the gate the rails thereof are fitted on the rollers H and g, the roller g being grooved to receive the lower edge of the rails. By moving the end e of the rod E on the arms d of the casting D and inserting it in any of the openings therein the outer end of the gate can be raised or lowered, as desired. The gate can be readily raised or lowered bodily by detaching it from the rollers H and g and readjusting it.

Gates are not always hinged on the same end; hence the necessity of having the casting provided with two arms and the lower end of the rod F bifurcated, so that the mountings can be adapted for mounting the gate at either end.

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

1. The combination, with the gate and supports for the inner end of the gate, of the casting D, having the lateral arms d, and having its lower end bent to embrace the lower edge of a rail of the gate, the pivoted catch h to bear on the upper edge of the said rail and hold it down, and the supporting-rods E and F, the rod E being adjustably connected with the said arms, substantially as described, for the purpose specified.

2. The combination, with the gate and supports for the inner end of the gate, of the casting D, having the lateral arms d, and having the pivoted catch h at its upper end, the roller H at the lower end of the casting, the rod F, forming a journal for the said roller H, and having its lower end bifurcated, and the rod E, adjustably connected with the said arms D and with the gate-supports, substantially as described.

3. The combination, with the gate-post and

the gate, of the fixed support for the inner end of the gate, the casting having a lateral arm that is provided with a series of openings, the rod F, having the casting pivoted on its upper end, and the rod E, adjustably interposed between the casting and the gate-post, substantially as and for the purpose described.

4. The combination, with the gate-post, the gate, and the bolts C and C', of the support *g*, the casting D, having a roller and lateral arms extending in opposite directions, which are provided with a series of openings, and having a pivoted catch, the rod E, adjustably interposed between the casting and the upper bolt, and the rod F, pivotally connected with the casting and having its lower end bifurcated, substantially as described.

5. The combination, with the gate-post, the gate, and the bolts C and C', of the frame G,

having the roller *g* swiveled upon the bolt C, the casting D, having the oppositely-disposed arms *d*, which have a series of openings, and having its lower end bent up to embrace a rail of the gate, the roller H, the rod F, having its upper end connected with the casting and forming a support for the roller H, and having its lower end bifurcated and adapted to fit in an opening in the bolt C', the rod E, adjustably interposed between the casting and the bolt C, and the pivoted catch *h*, substantially as and for the purpose described.

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

JACOB W. PAULEN.

Witnesses:

THOS. C. HILL.

A. B. WATERS.