

No. 687,733.

Patented Dec. 3, 1901.

W. ELDRED.

GATE HINGE.

(Application filed May 23, 1901.)

(No Model.)

Fig. 1.

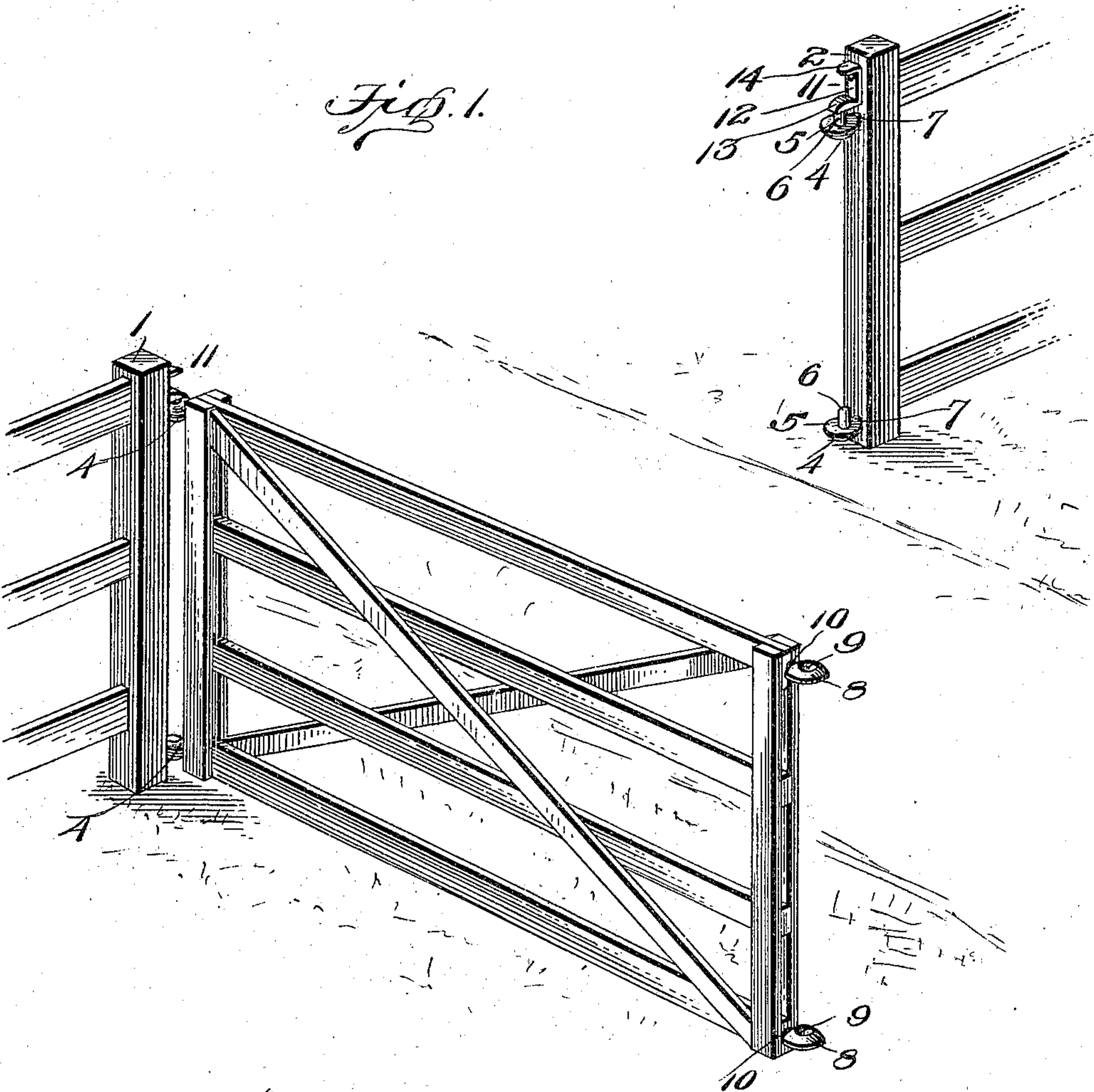
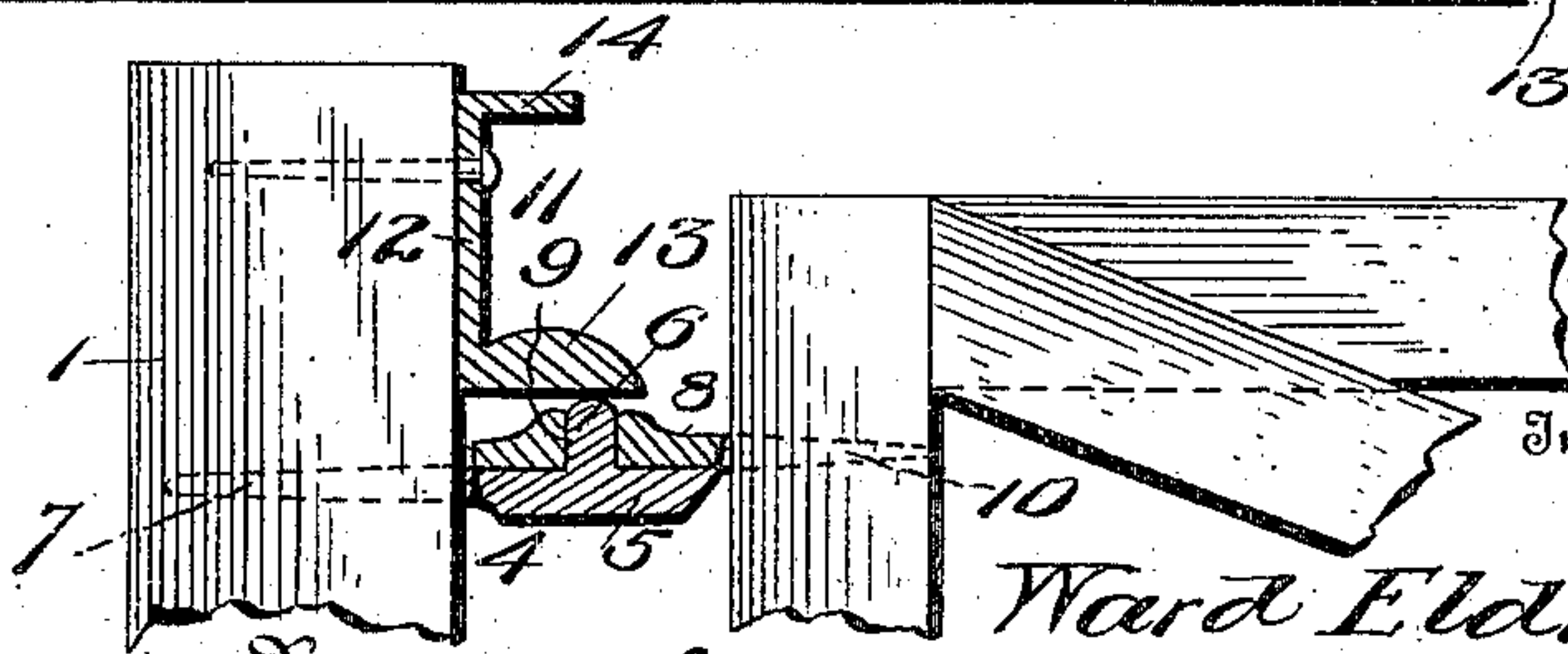
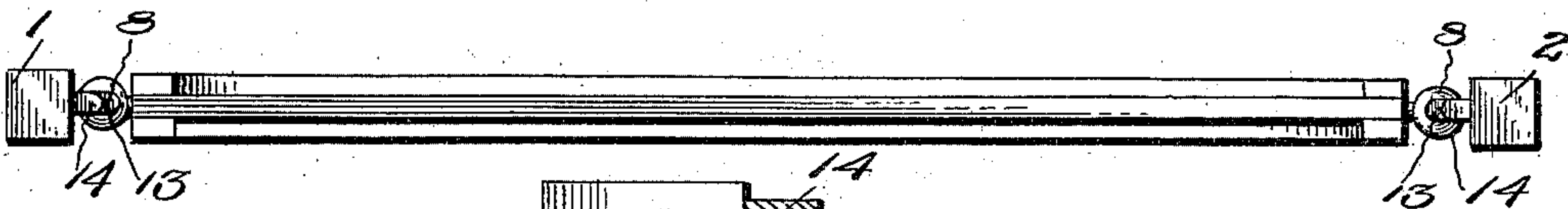


Fig. 2.



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WARD ELDRED, OF CARROLLTON, ILLINOIS.

GATE-HINGE.

SPECIFICATION forming part of Letters Patent No. 687,733, dated December 3, 1901.

Application filed May 23, 1901. Serial No. 61,563. (No model.)

To all whom it may concern:

Be it known that I, WARD ELDRED, a citizen of the United States, residing at Carrollton, in the county of Greene and State of Illinois, have invented certain new and useful Improvements in Farm-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.

The invention relates to farm-gates, and more particularly to the manner of hanging the gate, whereby it may be operated from either side or in four different directions—namely, in and out at one end and in and out at the other end.

The object of the invention is to provide a gate of this character which shall be simple of construction, durable in use, and comparatively inexpensive of production and efficient in operation.

With these and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, which will be hereinafter more fully described, and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a perspective view of my improved gate, showing it swung open. Fig. 2 is a top plan view, the gate being shown closed; and Fig. 3 is a vertical sectional view through one of the hinges and the retaining device.

In the drawings, 1 and 2 denote the fence-posts, and 3 the gate. Each post is provided with two alining hinge members 4, consisting of a disk 5, having a pintle 6 and a shank 7, the latter of which is driven into the fence-post or secured to the fence-post in any suitable manner. The end bars are each provided with two alining hinge members 8, having coincident apertures 9, provided with a shank 10 for attaching it to the end bars of the gate. The distance between the hinge members carried by the end bars and those secured to the posts correspond, so that the pintles of one set of hinge members will engage the apertures of the other set of hinge members.

11 denotes retaining devices, one secured to each post above the upper set of hinges.

Each member consists of a vertical portion 12, which is pivoted to the post and is provided at its lower end with an angular weighted foot 13, whose normal position is above the upper hinge and in close proximity thereto, so as to prevent the end of the gate being raised and the members of the hinge separated. The upper end of the strip is provided with a handle 14, by means of which the retaining device is given a vertically-vibrating movement, whereby an endwise movement is imparted to the weighted foot from above the hinge to permit of the separation of the hinge members from the post and permit the free end of the gate to be swung inward or outward, as may be desired. When in the position shown in Fig. 2, the gate is locked against swinging movement.

When it is desired or necessary to open the gate, the locking or retaining device at either end thereof is swung from contact with the pintle above the same by means of the operating-handle 14 and the gate at that end is lifted upward, which disengages the hinge members from their connected pintles 6, whereby the gate is free to be swung open.

From the foregoing description, taken in connection with the accompanying drawings, the construction, mode of operation, and advantages of my invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and details of construction may be made within the scope of the invention without departing from the spirit or sacrificing any of the advantages thereof.

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

In a gate the combination with the gate having arranged one above the other pairs of apertured hinge members upon each side, of the posts having disks with pintles for engaging the apertures of the hinge members, the locking or retaining devices consisting of the vertical body portions pivoted to the posts having weighted lower ends to coact with the pintles of the upper disks and the operating-handles arranged at right angles to the upper portions of the pivoted body por-

tions of said locking devices so as to vertically vibrate the said body portion, thereby permitting of an endwise movement to said weighted ends, whereby to permit of the gate
5 to be opened at either end as desired, substantially as specified.

In testimony whereof I have hereunto set

my hand in presence of two subscribing witnesses.

WARD ELDRED.

Witnesses:

A. E. WILSON,
CHAS. H. ELDRED.