

G. E. GOODWIN.
Gate-Hinge.

No. 203,136.

Patented April 30, 1878.

Fig. 1.

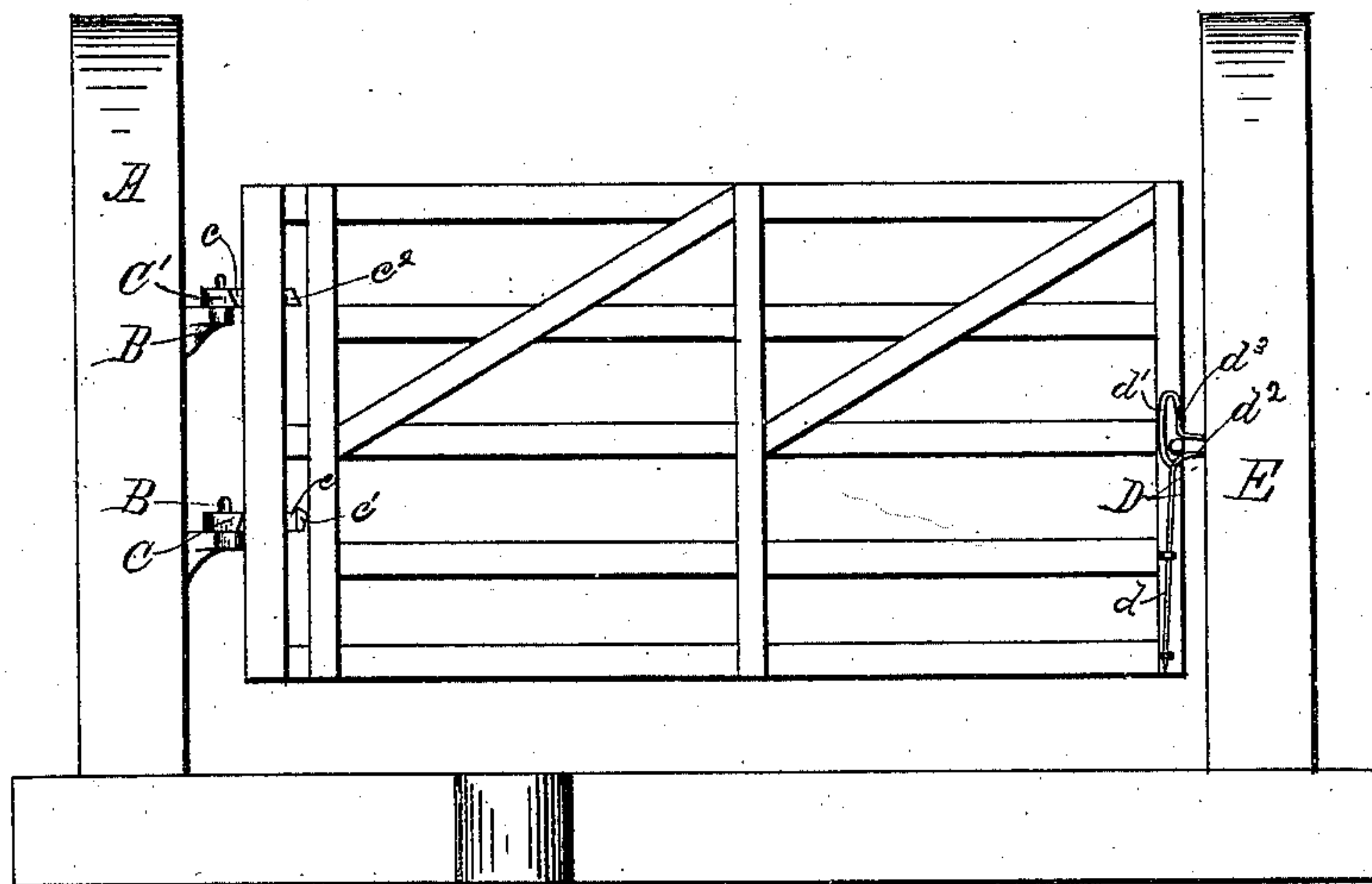


Fig. 2.

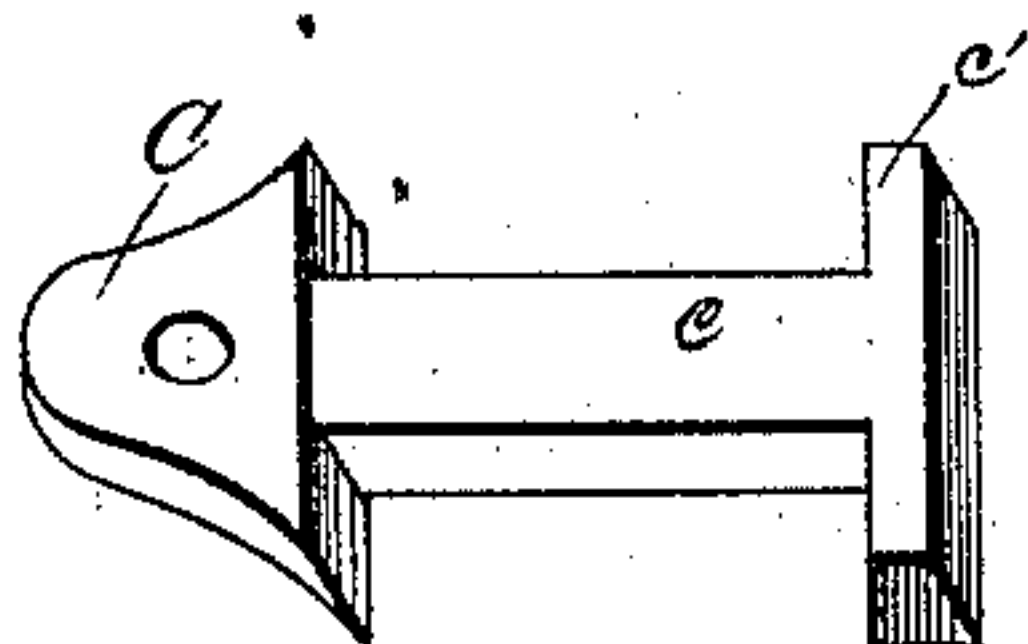
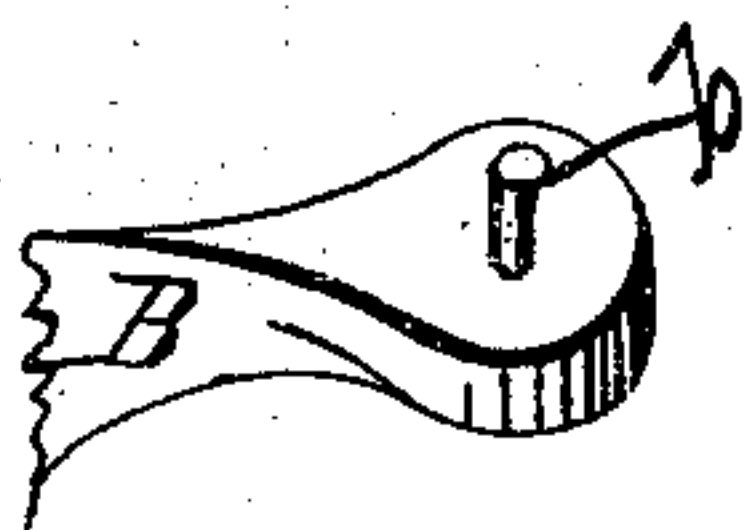


Fig. 3.



WITNESSES

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GEORGE E. GOODWIN, OF PORTLAND, ASSIGNOR OF ONE-HALF HIS RIGHT
TO JAMES PIERCE, OF ORANGE TOWNSHIP, IONIA COUNTY, MICHIGAN.

IMPROVEMENT IN GATE-HINGES.

Specification forming part of Letters Patent No. 203,136, dated April 30, 1878; application filed
August 1, 1877.

To all whom it may concern:

Be it known that I, GEORGE E. GOODWIN, of Portland, in the county of Ionia and State of Michigan, have invented certain new and useful Improvements in Gate-Hinges; and I do hereby declare that the following is a full, clear, and exact description thereof, which 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 of reference marked thereon, which form a part of this specification, and in which—

Figure 1 is a side view of my improved gate. Fig. 2 is a detached perspective view of one of the plates or leaves of the hinge. Fig. 3 is a detached side view of one of the pintles.

Corresponding parts in the several figures are denoted by like letters.

This invention relates to certain improvements in gate-hinges; and it consists of pintles and socketed plates having T-shaped bars; and, secondly, of pintles and socketed plates having T-shaped bars, and beveled shoulders upon either side of said bars, substantially as hereinafter more fully described and claimed.

In the annexed drawing, A refers to the hinge-post, to which are secured the pintles B B in the usual way, upon which are inserted the socketed plates or leaves C C', the other parts of the hinges. The free or upper ends of the pintles B B are provided with lateral projections b, to retain the plates or leaves C C' in position thereon. To permit of the plates or leaves being adjusted over the projections b upon the pintles B B, the sockets of the said plates or leaves are elongated, as seen in Fig. 2, and in the direction of the lengths of the said plates or leaves, to prevent their accidental detachment from the pintles. These plates are provided with T-shaped bars c c', reaching through and between parallel bars of the gate, and the lower one, C, is inclined or beveled upon either side of its bar c, so as to cause its upper edge to readily impinge or bind against the gate through the weight of the latter. The cross-piece c² of the T-shaped bar of the upper plate C serves at

the same time to receive the weight of the upper rear end of the gate. The upper plate or leaf C' is also inclined or beveled, and the cross-piece c¹ of the T-shaped bar of the lower plate C is isolated from the end bars of the gate, to allow the gate to be lifted from contact with the impinging-plate C and cross-bar c² in vertically adjusting the gate, to clear temporary obstructions and permit the passage thereunder of small animals.

D is the gate-fastening, which also serves to retain the gate open at any desired point or angle. It consists, principally, of a rod or bar, d, preferably sharpened or tapering, and inclosed in eyes or guides secured to the gate. This rod is provided with a handle, d¹, having a slotted or open projection or tooth, d², which enters any one of a number of apertures in the gate-post E, to fasten the gate when closed. This slotted or open tooth or projection receives a headed pin or projection, d³, from the gate-post E, upon which slides the said tooth as it is projected into and retracted from the gate-post in fastening and unfastening the gate.

When the gate is open it may be thus held, and at any desired point or angle, by detaching the fastening from the headed pin d³, and allowing it to drop, and putting sufficient pressure thereon to cause it to penetrate the ground.

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

1. A gate or other hinge consisting of the pintles B B and socketed plates C C', having the T-shaped bars c c¹ c², substantially as and for the purpose set forth.

2. The pintles B B, in combination with the plates C C', having the T-shaped bars c c¹ c², and beveled shoulders upon either side of the said bars, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I hereunto affix my signature in presence of two witnesses.

GEORGE E. GOODWIN.

Witnesses:

W. D. CRANE,
JOHN HIXSON.