

J. A. GROVE.  
Gate-Hinge.

No. 221,301.

Patented Nov. 4, 1879.

FIG. 1.

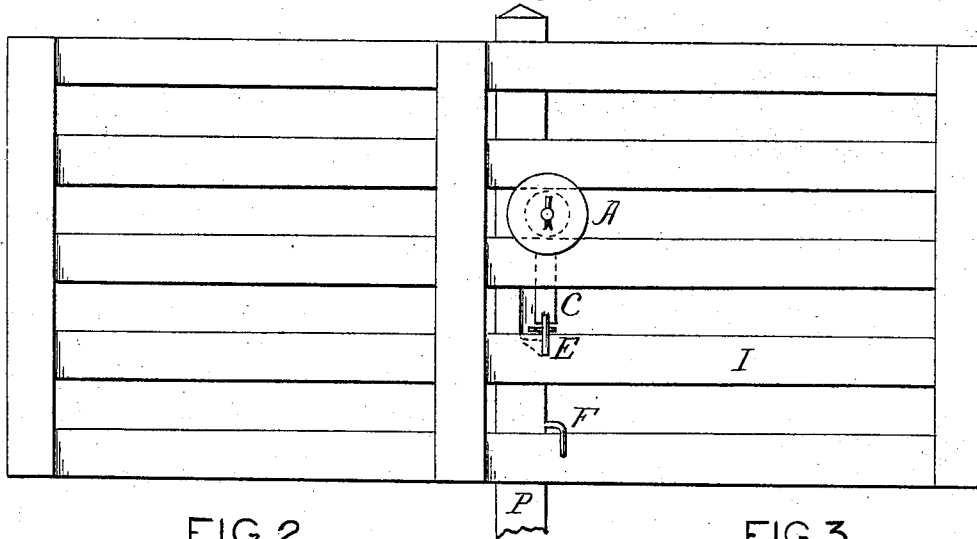


FIG. 2.

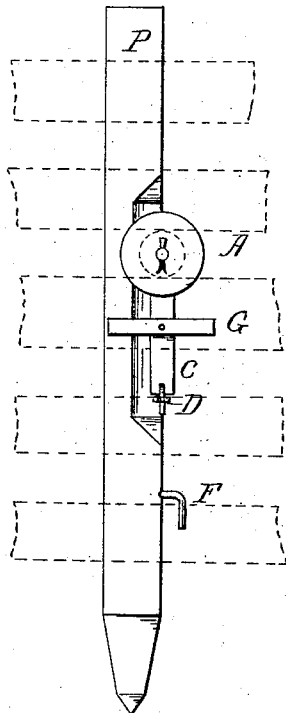
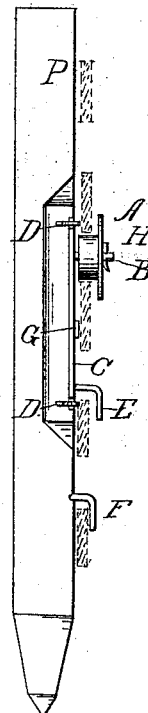


FIG. 3.



Witnesses:  
*Samuel R. Turner*  
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By *R. S. & A. Lacey* Att'y's

# UNITED STATES PATENT OFFICE.

JOHN A. GROVE, OF BLUFFTON, INDIANA.

## IMPROVEMENT IN GATE-HINGES.

Specification forming part of Letters Patent No. **221,301**, dated November 4, 1879; application filed July 19, 1879.

*To all whom it may concern:*

Be it known that I, JOHN A. GROVE, of Bluffton, in the county of Wells and State of Indiana, have invented certain new and useful Improvements in Gate-Hinges; and I do hereby declare that the following is a full and exact description of the invention, 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 letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in gate-hinges, the nature of which will be fully understood by reference to the accompanying drawings.

Figure 1 represents a view of a gate hung on a hinge thrown back and swung open. Figs. 2 and 3 represent a roller and hinge attached to a post.

A represents a one-flange roller, which revolves on a pin or shaft, B, which is attached to an iron or wooden shaft, C, said shaft being any length desired longer than height of gate, or as long or shorter. The ends of said shaft are so constructed as to work in eye or pivot bolts or staples D D.

E is a stay attached to shaft C as a support to the gate, so as to prevent small stock from forcing a passage through between the gate and post. F is a hook firmly attached to gate-post as a further support and protection. G

is a stationary flange or cross-arm attached to shaft C, to prevent the gate from running off the roller, and also serves to turn the roller and hinges and keep it at all times in proper position for the gate. H is a key through shaft B to keep roller A on shaft or pin.

The hinge hereinbefore described is attached to the post P on one of the rear corners farthest away from the carriage-way. The post is notched, as shown at P', within which notch the hinge is hung. This permits the bars of the gate to rest against the side of the post. When the gate is rolled back and opened it turns in behind or on the side of the post farthest away from and parallel with the carriage-way.

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

The gate-hinge composed of the vertical bar C, the roller A, cross-arm G, and stay-hook E on the lower end of bar C, in combination with a gate, I, all arranged and constructed as shown and described.

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

JOHN A. GROVE.

Witnesses:

WILLIAM SHIERE,  
FRANK W. GARRETT.