

E. D. Norton,

Hinge.

No. 113,788.

Patented Apr. 18. 1871.

Fig. 1.

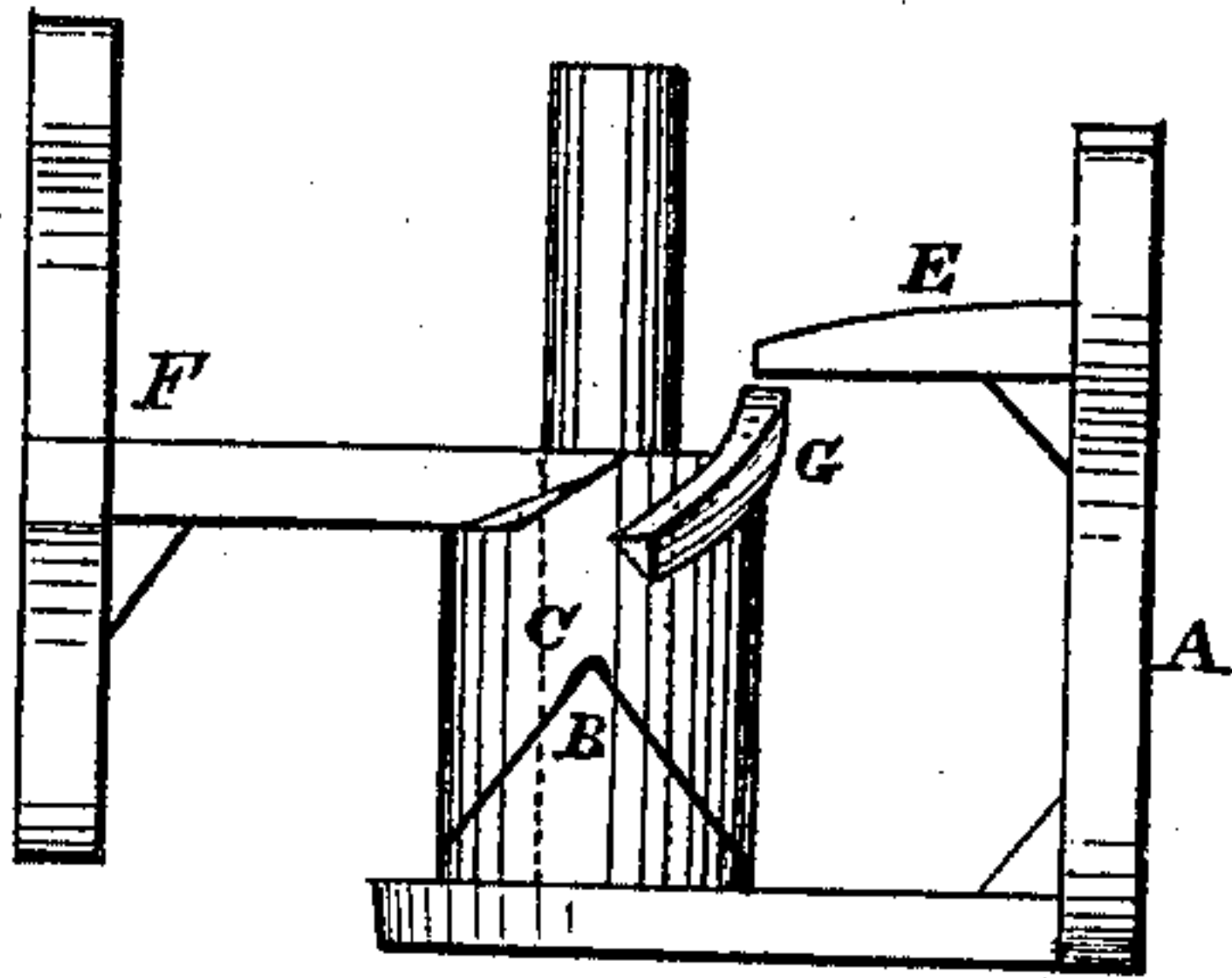
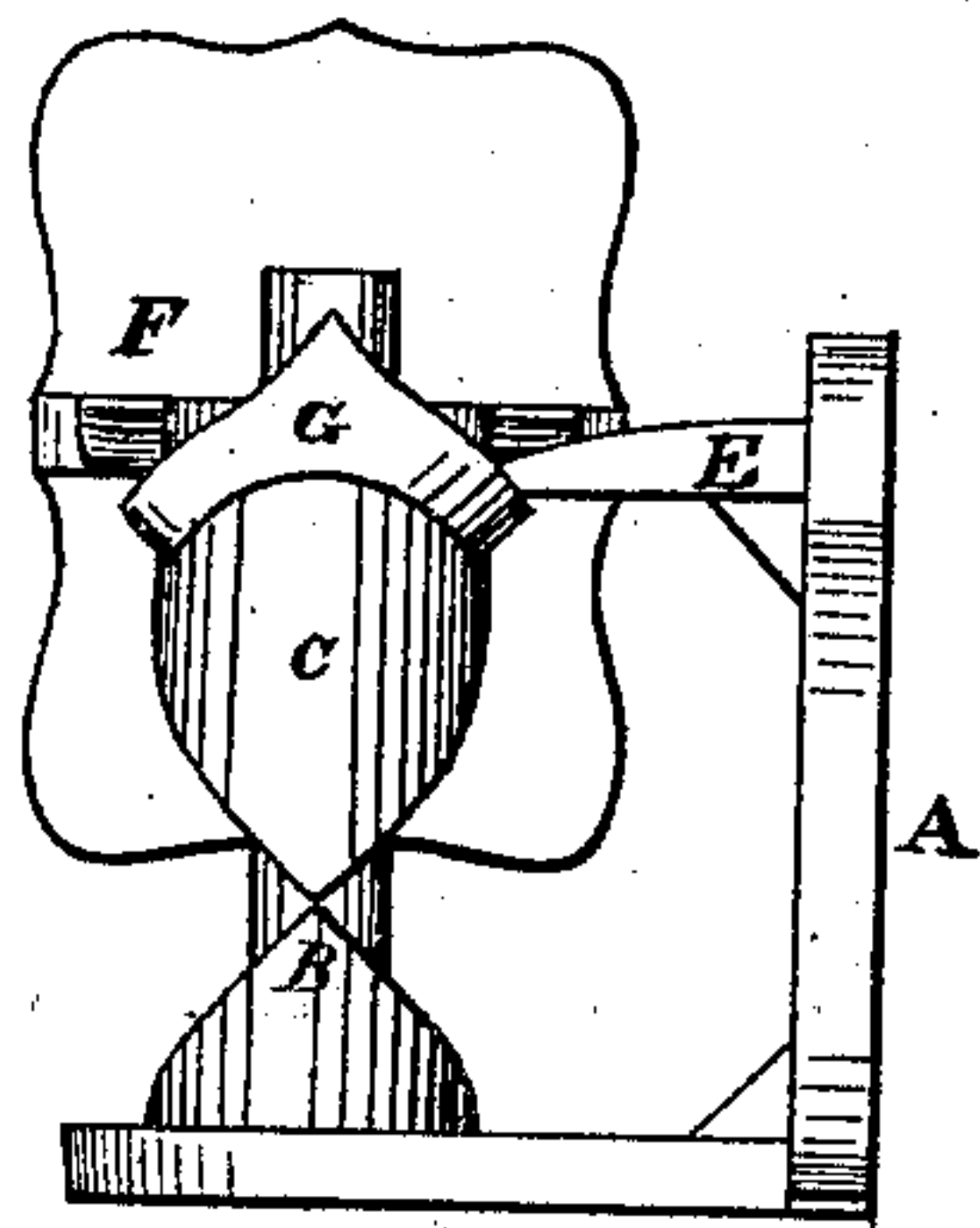


Fig. 2.



Witnesses,
W. Warner
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Edwin D. Norton, Inventor,
by C. S. Whitman, Attorney

UNITED STATES PATENT OFFICE.

EDWIN D. NORTON, OF CUBA, NEW YORK.

IMPROVEMENT IN HINGES FOR GATES.

Specification forming part of Letters Patent No. **113,788**, dated April 18, 1871.

To all whom it may concern:

Be it known that I, EDWIN D. NORTON, of Cuba, in the county of Allegany and in the State of New York, have invented an Improvement in Gate-Hinges; and do hereby declare that the following description, taken in connection with the accompanying drawing hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvement, by which my invention may be distinguished from others of a similar class, together with such parts as I claim and desire to secure by Letters Patent.

My invention relates to that class of hinges which causes the gates or doors to which they are attached to close themselves by the force of their own gravity; and the nature thereof consists in certain modifications and improvements in the details of the construction of the same, hereinafter described and shown.

In the accompanying drawing, which illustrates my invention and forms a part of the specification thereof, in which corresponding parts are illustrated by similar letters, Figure 1 is a side elevation, illustrating the position of the parts composing the hinge when the gate is closed. Fig. 2 illustrates the hinge when the gate is open.

The construction and operation of my invention are as follows:

In the drawing, letter A designates an angular post-plate. B represents the double inclines upon which the eye of the hinge C rests. E designates a projecting pin cast solidly with or rigidly attached to the post-plate.

The gate-plate F and double-inclined flange G are cast solid with the eye C.

When the gate is turned the piece F rises upon the double inclines B until it assumes the position illustrated in Fig. 2.

The pin E, projecting from the post-plate, performs a double office. It acts in combination with the double-incline flange G on the eye of the hinge to prevent the gate from being thrown from its hinges, and when the gate is thrown wide open it serves as a support for the gate-plate, and holds the gate in position.

Having thus described the construction, operation, and relative arrangement of the component parts of my invention, I will indicate in the following clauses what I claim and desire to secure by Letters Patent—

1. The eye of the hinge C when provided with the double-incline guiding-flange G upon the upper part, as and for the purpose described.

2. The combination of the post-plate A, projecting pin E, eye of the hinge C, double-incline flange G, and gate-plate F, when constructed and operating together, as and for the purpose described.

In testimony that I claim the foregoing I have hereunto set my hand this 23d day of January, 1871.

EDWIN D. NORTON.

Witnesses:

GEORGE OLDHAM, Jr.,
C. H. PHELPS.