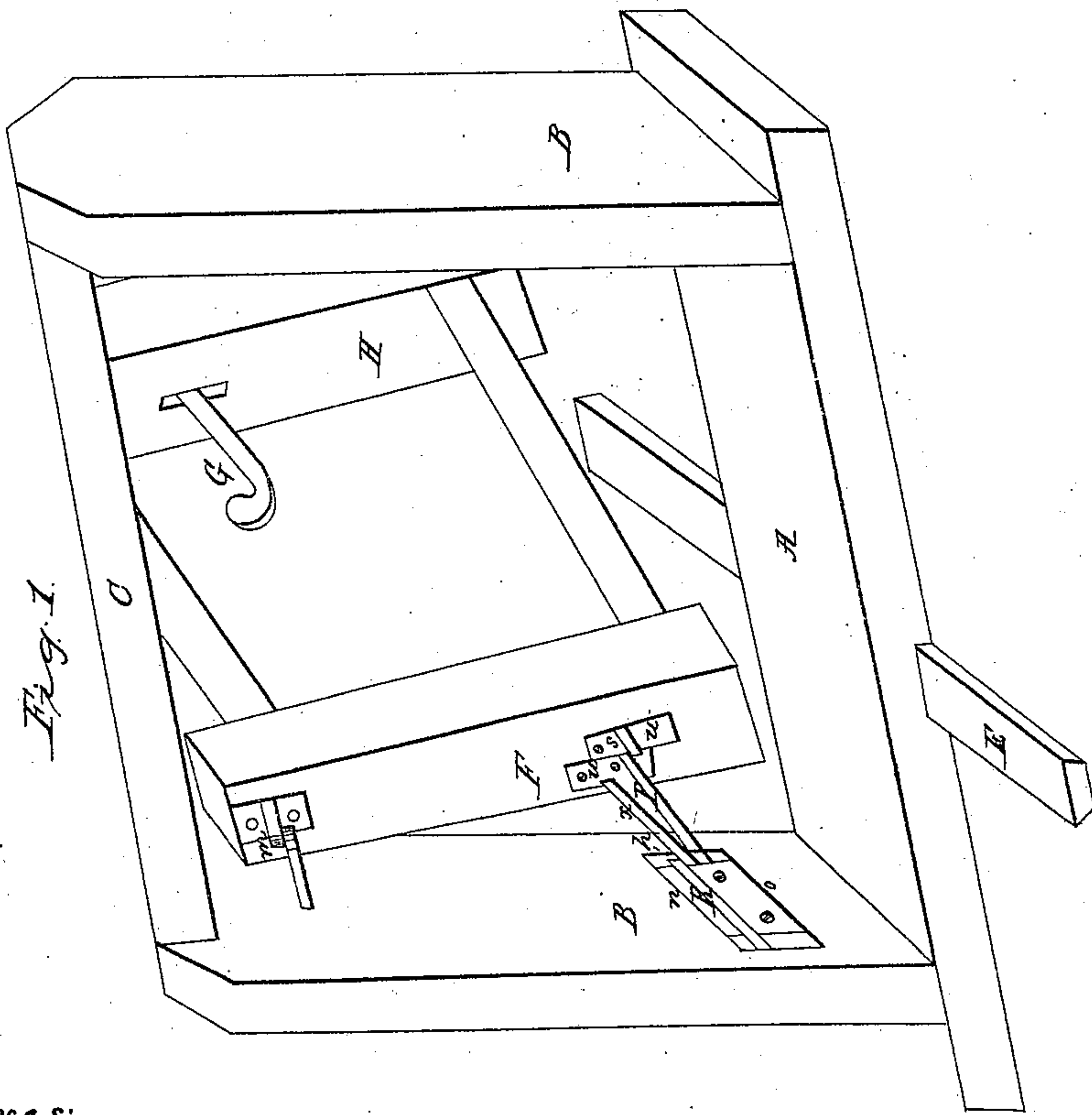
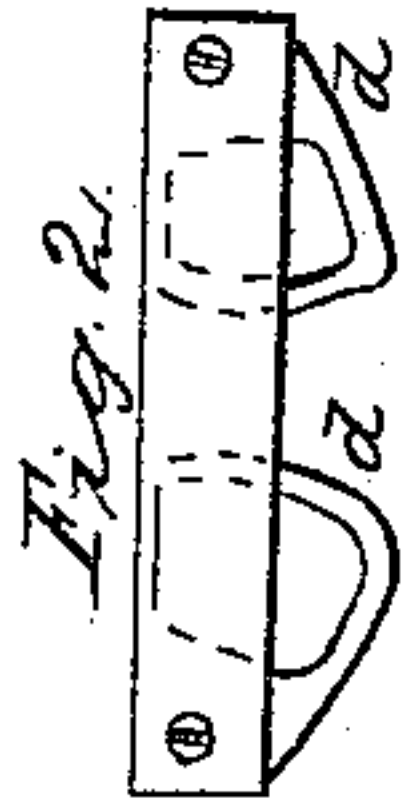
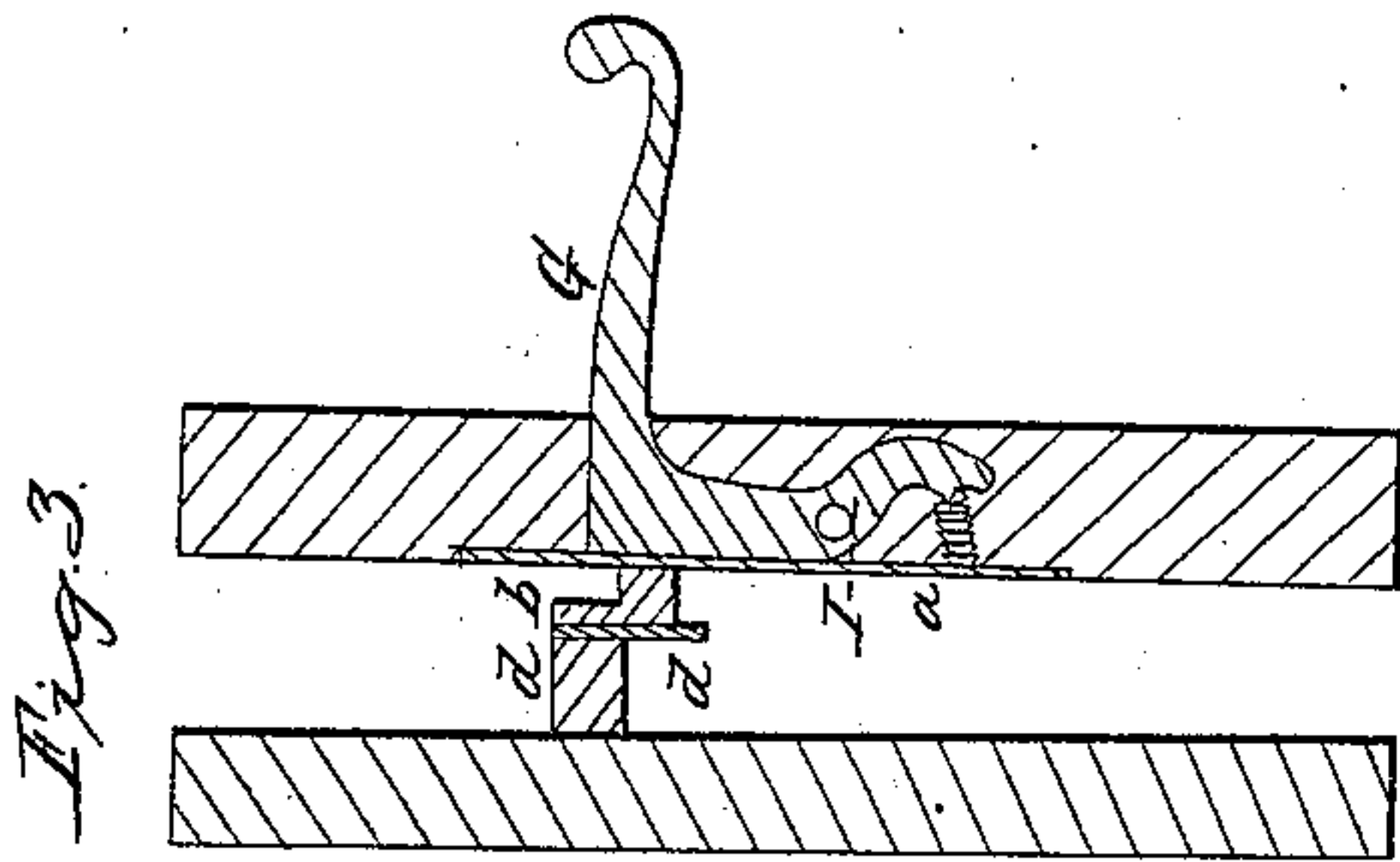


W. W. Robinson,

Gate Hinge.

N^o 38,843.

Patented June 9, 1863.



Witnesses:
Charles Chapman
J. Clayton

Inventor:
W. W. Robinson
Per C. M. Alexander atty

UNITED STATES PATENT OFFICE.

WILLIAM W. ROBINSON, OF RIPON, WISCONSIN.

IMPROVEMENT IN GATE-HINGES.

Specification forming part of Letters Patent No. **38,843**, dated June 9, 1863.

To all whom it may concern:

Be it known that I, W. W. ROBINSON, of Ripon, Fond du Lac county, in the State of Wisconsin, have invented certain new and useful Improvements in Hinges and Latches for Gates; and I do hereby declare that the following is a true and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 is a perspective view of gate and posts. Fig. 2 is a plan view of the catches. Fig. 3 is a vertical section of the latch and catches in position.

The letter A, Fig. 1, represents the sill into which the posts B are mortised. C is the tie that binds the two posts B together at top. The cross-sill E is dovetailed into the bottom of A at right angles with it, and intended to give stability to A. The upright F of the gate-frame is hung to post B, with two hinges, the upper one, *m*, consisting of a hook and eye, and the lower one of the lever-hinge *n*. The hinge *n* is constructed of the plate *o*, with a circular enlargement at each end having a vertical hole through them to receive the piv-

ots on which the levers P and R work. At their opposite ends P and R are hinged to the prongs *s* and *t* at the points *h*. These prongs are projections of the plates *u u*, which are screwed to the upright F. In opening the gate in one direction it will be seen that the upper hinge, R, describes a circle that throws the bottom of F some distance from B, while the top of F is limited in its circle by the hook and eye *m*. The consequence is that when the gate is opened it diverges from the perpendicular and must gain an equilibrium by returning to the center of motion. The upper and lower levers operating in the same way the gate will regain its vertical position when opened from either side.

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

The lever-hinge *n*, constructed and operated in the manner herein set forth.

W. W. ROBINSON.

Witnesses:

SOLON G. DODGE,
S. M. BROWN.