J. A. H. WILSON.

GATES.

No. 179,635. Patented July 4, 1876.

Fig. 1

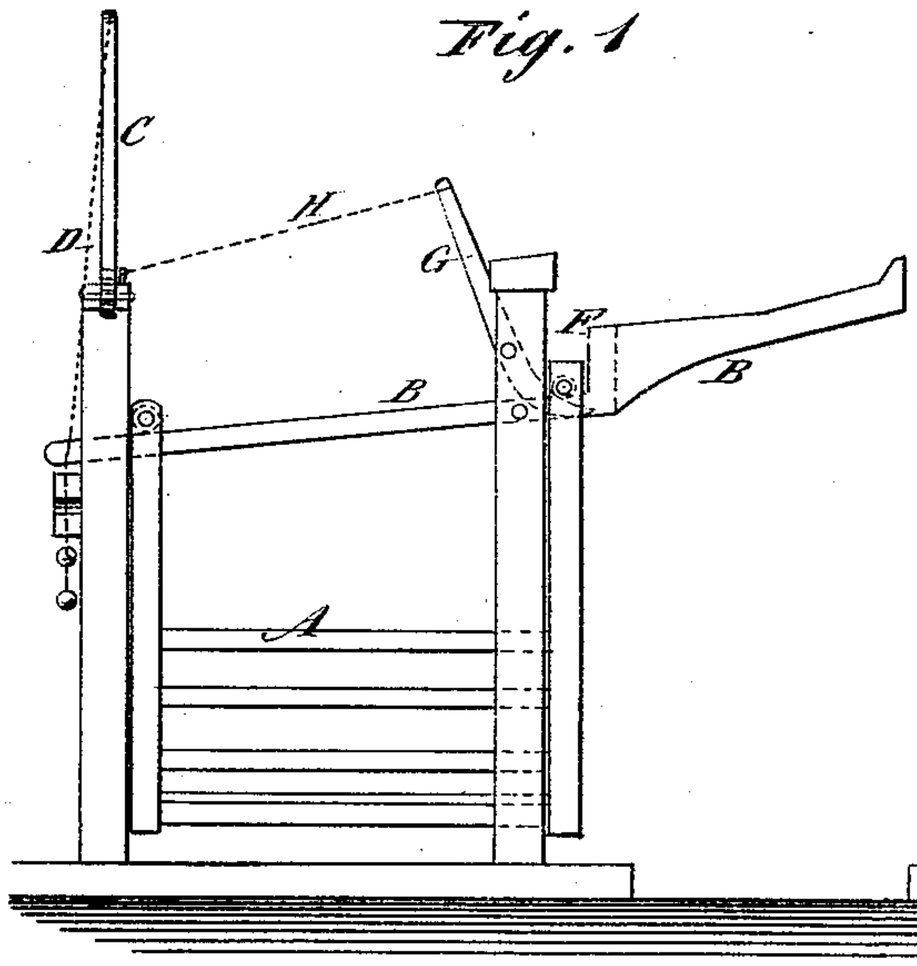


Fig. 2

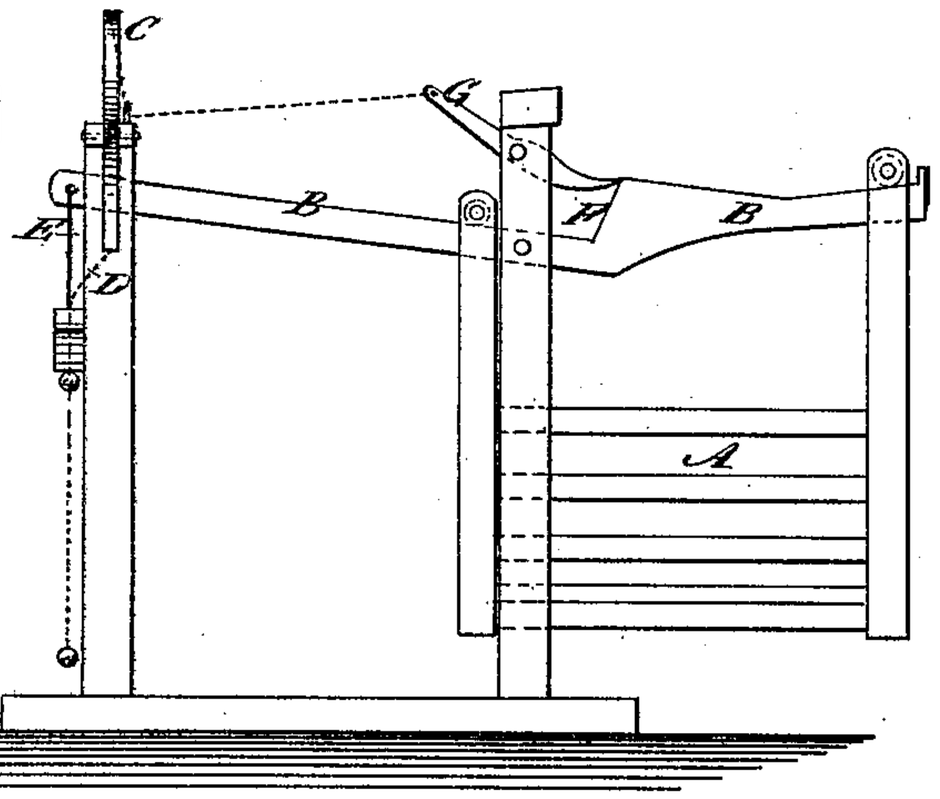
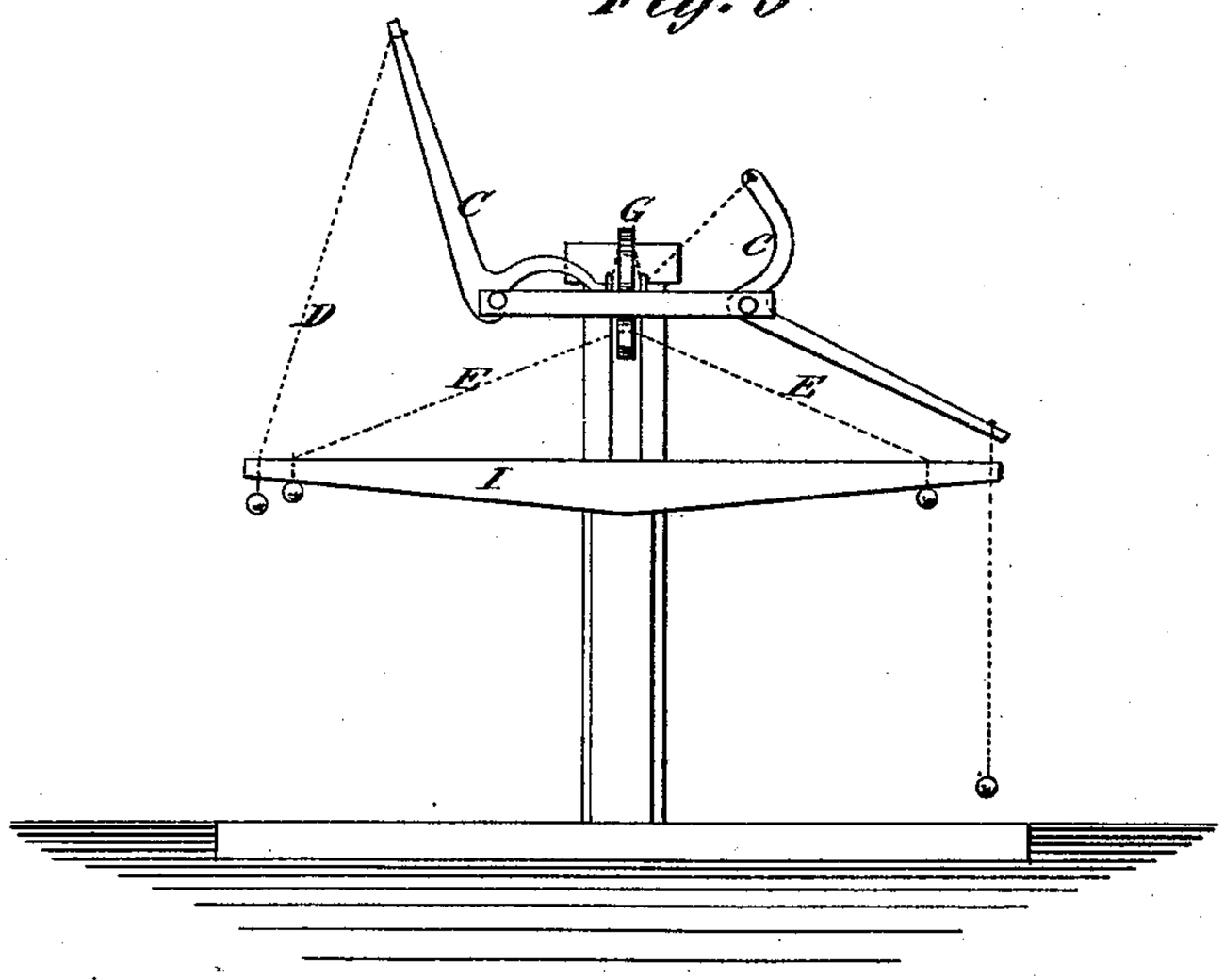


Fig. 3



WITNESSES:

C. Neveux

John Goethals

INVENTOR:

J. A. H. Wilson

BY

ATTORNEYS.

UNITED STATES PATENT OFFICE

JOHN A. H. WILSON, OF DEER CREEK, ILLINOIS.

IMPROVEMENT IN GATES.

Specification forming part of Letters Patent No. **179,635**, dated July 4, 1876; application filed March 6, 1876.

To all whom it may concern:

Be it known that I, JOHN ABRAHAM HAMILTON WILSON, of Deer Creek, in the county of Tazewell and State of Illinois, have invented a new and Improved Gate, of which the following is a specification:

My invention is an improvement in the class of gates which are mounted upon and operated by a tilting rail.

Figure 1 is a side elevation of my improved gate as when shut. Fig. 2 is a side elevation as when open. Fig. 3 is an end elevation.

Similar letters of reference indicate corresponding parts.

A is the gate; B, the tilting rail on which it slides open and shut. C represents levers, and D chains, for raising the rail to open the gate; E, chains for pulling it down to close the gate. F is a notch in the tilting rail, into which the gate drops when it closes, and locks self-actingly, and G is a lever for lifting it out of the notch to open the gate, said lever being connected by a cord or chain, H, with the levers C, so that they operate it to raise the gate at the same time they raise the tilting rail to open the gate.

The operation is as follows: Any one approaching the gateway from either direction, and desiring to pass through it, will seize a cord, D, and by pulling it draw down the outer end of lever C, to which it is attached, thus causing the longer arm of lever G to be also drawn down by means of the connecting-cord H, which connects said levers. This movement of the lever G raises the outer end of the gate over the shoulder of the tilting rail B, and the inner end of the rail itself is simultaneously raised by means of the cord which connects it with the lever C. The gate is then caused to run along the rail B, by the operation of gravity, until it is arrested by the post, as shown in Fig. 2. To restore the gate to its former position, it is only necessary to pull cord E on either side of the gate, the same being connected to the tilting rail. The arms I extend out from the gate-post along the roadway to support the chains in reach of the rider, to enable him to open and close the gate without dismounting.

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

1. The combination, with the levers C for raising the tilting beam B, and the chains E for depressing it, of the beam I, as and for the purpose specified.

2. The lever G, combined with the gate A and the tilting rail B, having the self-locking notch F, substantially as specified.

JOHN ABRAHAM HAMILTON WILSON.

Witnesses:

W. ALLEN,

JOHN R. SMALL.