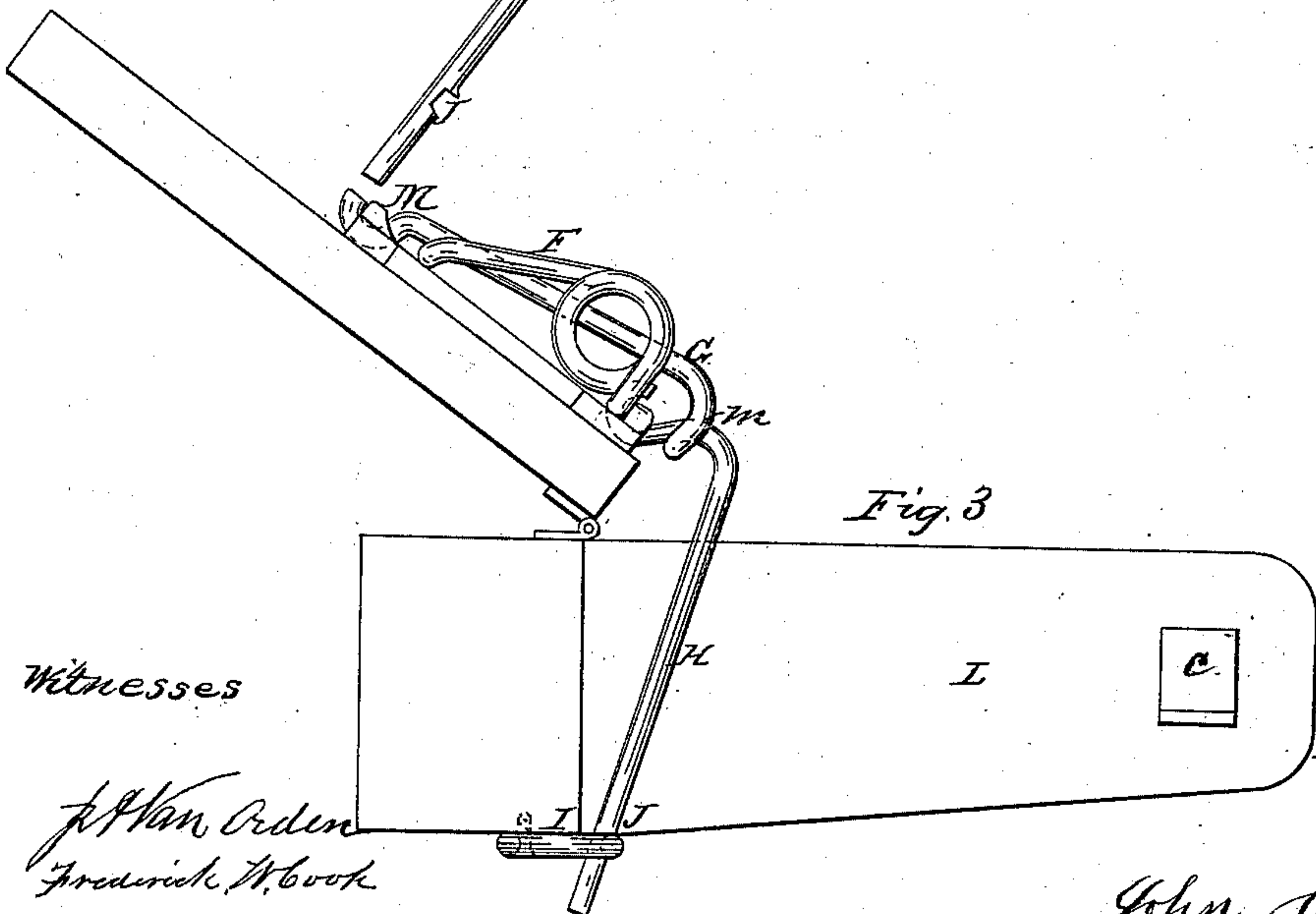
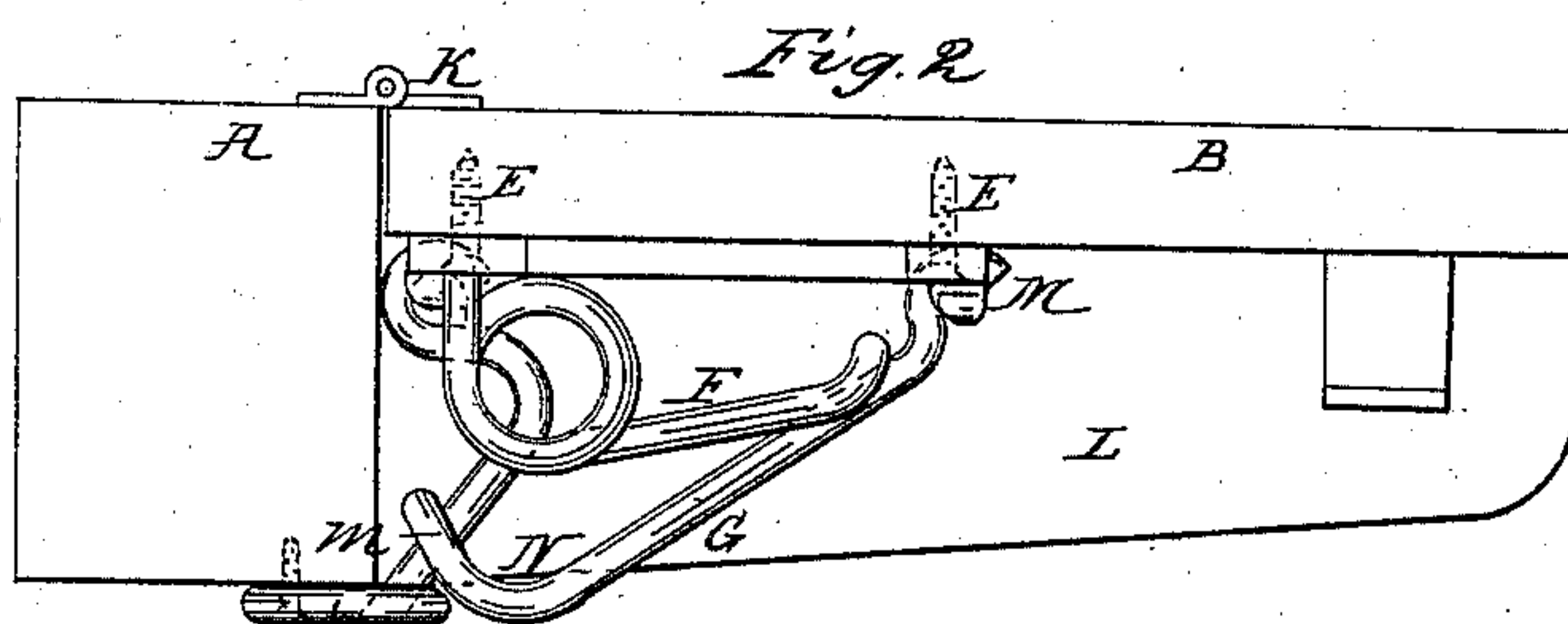
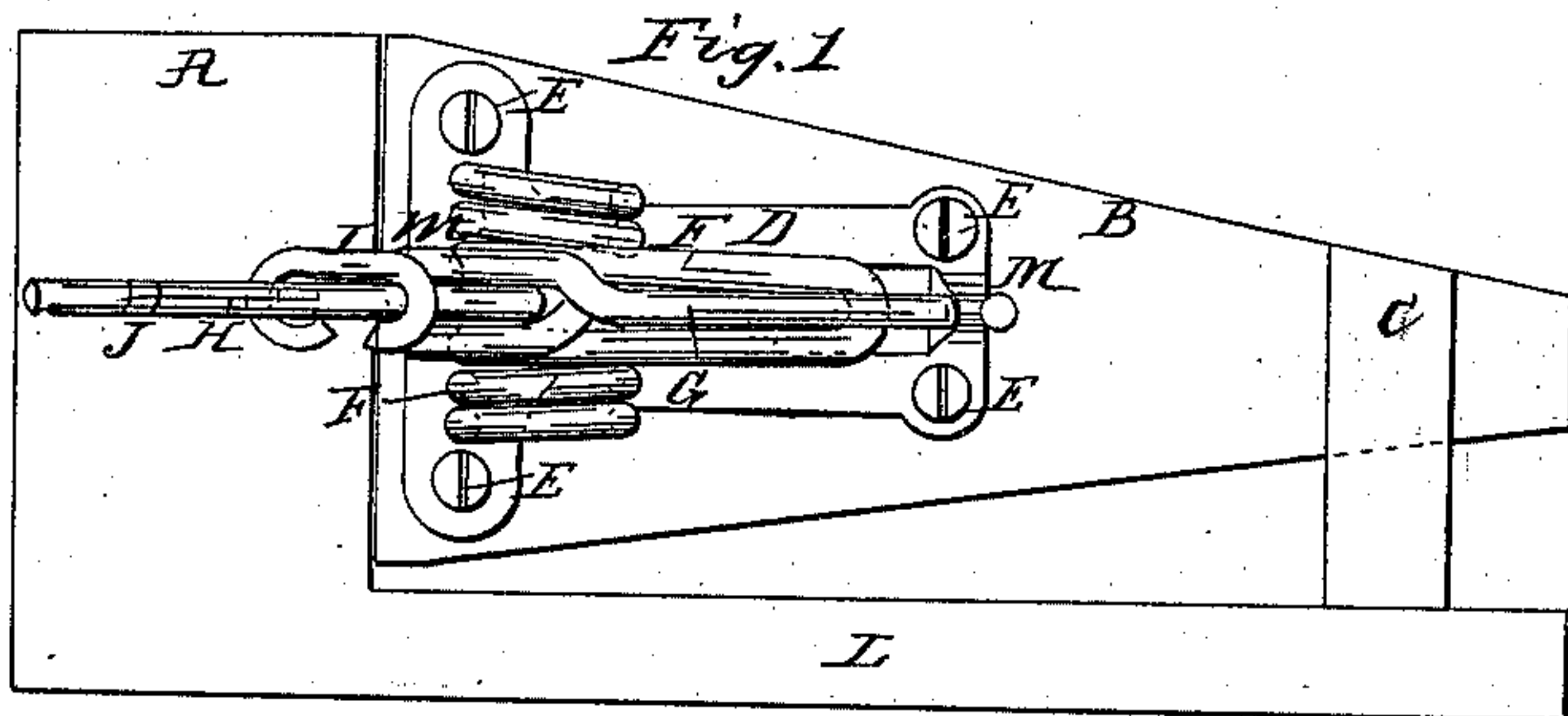


J. C. Gould,

Door Spring.

N^o 58,405.

Patented Oct. 2, 1866.



Witnesses

*J. Van Orden
Frederick W. Cook*

Inventor:

John C. Gould

UNITED STATES PATENT OFFICE.

JOHN C. GOULD, OF BOONTON, NEW JERSEY.

IMPROVEMENT IN DOOR AND GATE SPRINGS.

Specification forming part of Letters Patent No. 58,405, dated October 2, 1866.

To all whom it may concern:

Be it known that I, JOHN C. GOULD, of Boonton, in the county of Morris and State of New Jersey, have invented a new and Improved Self-Shutter for Doors and Gates; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 is a front view of the several parts when the door is closed. Fig. 2 is a top view when the door is closed. Fig. 3 is a top view when the same is open.

The same letters refer to the same parts in the different figures.

B is a door attached to a casing, A, and shuts against the casing C. L is the threshold of the door between the two casings. D is a plate made fast to the door, and to it are attached the spring F, or its equivalent, the lever G, and the arm H, which passes through the guide M and through another guide, I, attached to the casing A, and has in the outer end a notch, J, which, when the door is opened, catches onto the guide I and holds the door open.

Thus it will be seen that the whole device is put together in a very simple and compact form, and the spring having to move so short a distance, not more than one-fourth of an inch in opening the door wide, can be made very stiff, and at the same time is not liable to break. In fact, the little tax upon it allows it, as also the lever and arm, to be made of iron wire.

Another especial advantage claimed is that the spring acts with increased pressure at the point where the door closes, and on that account in many cases is all the fastening a door or gate needs. If needed to lessen the friction, rolls may be put in the guides I and M.

What I claim as my invention, and desire to secure by Letters Patent, is—

The plate D, spring F, or its equivalent, lever G, arm H, with the guides I and M and the notch J, substantially as set forth, and for the purposes named.

JOHN C. GOULD.

Witnesses:

Rev. H. D. OPDYKE,
GILES ROMINE.