

R. B. HUGUNIN.
Sash-Holders.

No. 147,133.

Patented Feb. 3. 1874.

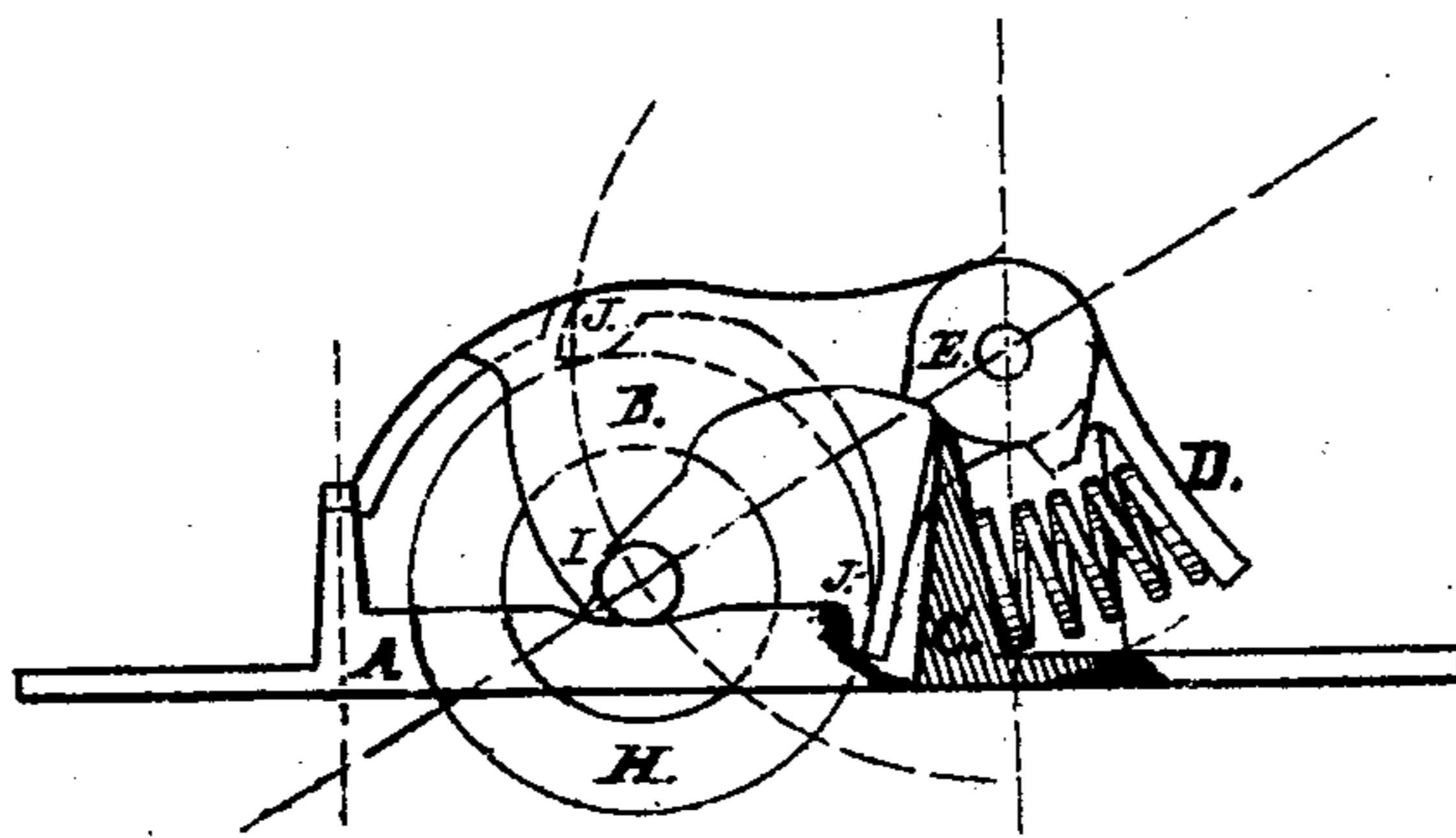


Fig. 1.

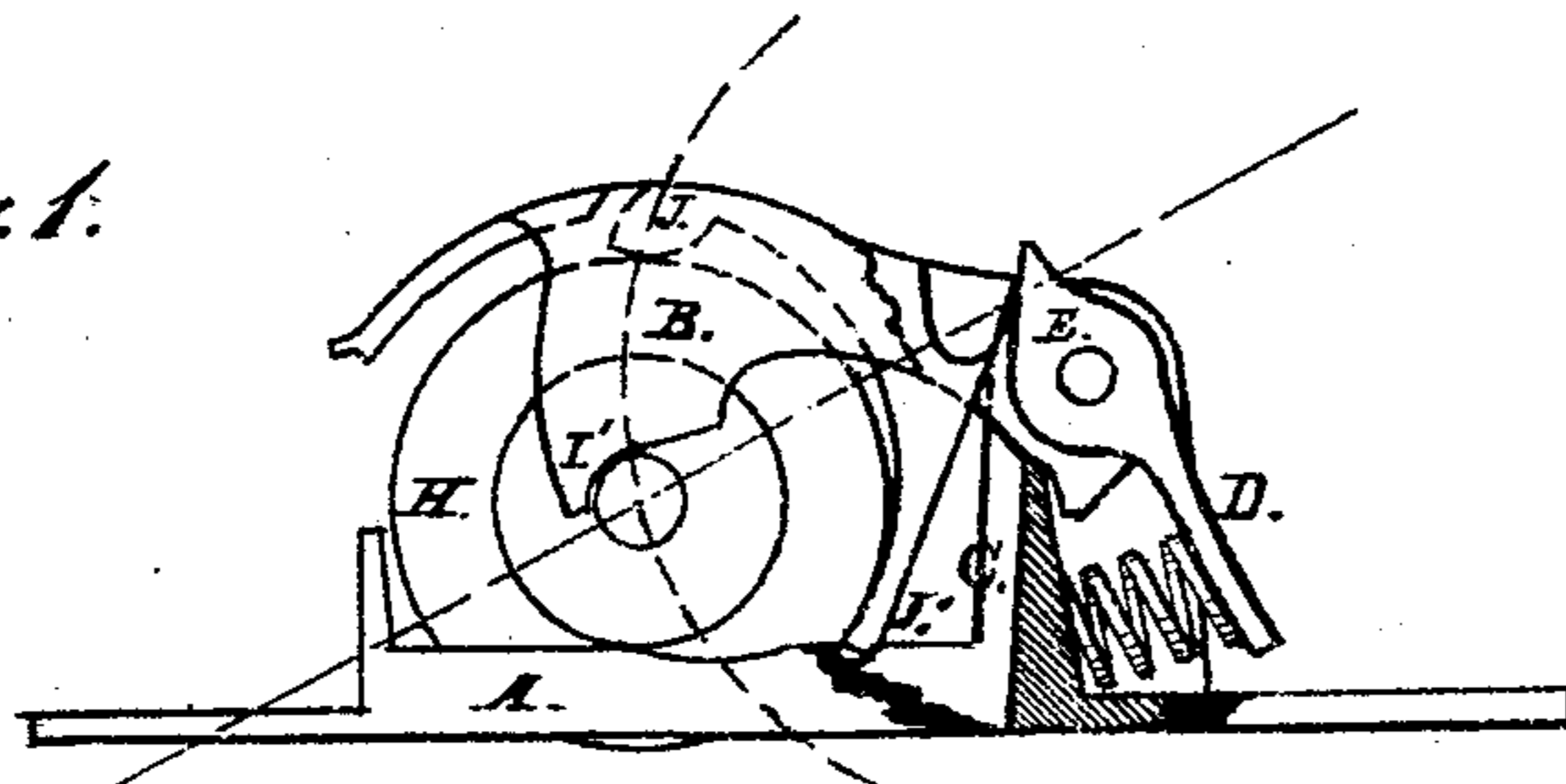
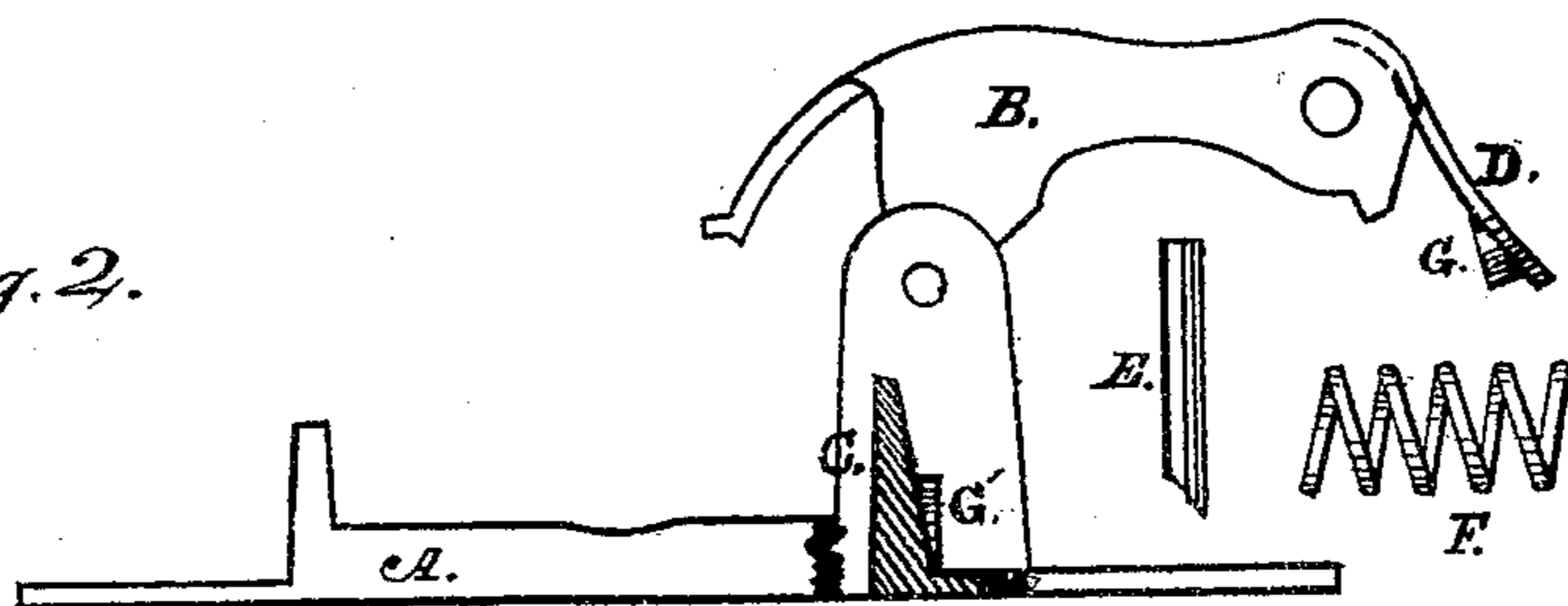


Fig. 2.



WITNESSES:

Jno. D. Patten
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INVENTOR:

R. B. Hugunin.

UNITED STATES PATENT OFFICE.

ROBERT B. HUGUNIN, OF NEW YORK, N. Y.

IMPROVEMENT IN SASH-HOLDERS.

Specification forming part of Letters Patent No. **147,133**, dated February 3, 1874; application filed August 21, 1873.

To all whom it may concern:

Be it known that I, ROBERT B. HUGUNIN, of New York, county and State of New York, have invented an Improvement in Sash-Holders, of which the following is a specification:

My invention relates to certain improvements in sash-holders; and consists in combining a face-plate having an upward projection with a rocking arm having a depending projection, and pivoted above the projection, with a spring interposed between the depending projection of the rocking arm and the upward projection of the face-plate, a roller being held between the rocking arm and the face-plate, the object being to obtain compactness and strength in the construction and operation of the working parts.

Figure 1 is an elevation, showing the application of my invention. Fig. 2 is a detailed view of working parts.

A is the plate for attaching the working parts and securing them to the casing. B is an arm secured to plate A. C is a projection on plate A, extending crosswise of it between the lugs, for attaching the arm B, and inward toward the hinge-pin E. This projection may have another projection, G', upon its surface toward the lower end of the plate, for securing the coiled spring F from moving about on the face of the projection C. D, projection from lower end of arm B, corresponding in direction with projection C on plate A. The projection D may be permanently cast on arm B, or be a separate piece, as shown in Fig. 1 of drawings. It has a projection, G, upon it, for securing the spring F. E is a pin for securing arm B to the plate A. F is a coiled spring, made of spring metal suitable for the purpose, and used between projections C and D on plate A and arm B. It works directly under the pin E, and in a direction nearly similar or parallel with the direction of

the plate. G and G', projections on projections C and D of plate A and arm B, for securing the spring F in its working position; H, semi-elastic covered roller; I and I', bearings for roller in arm B; J and J', double-armed balance-clamp.

By pivoting the arm above and back of the flange rising from the face-plate between the legs, and providing it with a depending projection, I am enabled to employ and incase a coiled spring within the space embraced between the legs, the depending projection, and the vertical flange. The spring and its coils thus work in the direction of the face-plate, directly underneath the pivoting-pin, the rear end bearing on the depending projection, and the front end resting on the rear side of the vertical flange rising from the plate. In this way all the parts are brought into a compact close body, enabling, in a limited space, the use of an efficient coiled spring with sufficient elasticity and power to operate the arm and roller without breaking or setting, and obviating the necessity of cutting away or removing a large portion of the jamb of the window-frame. These several important features, it would seem almost unnecessary here to say, cannot be found in the construction or arrangement of parts illustrated or described in any of my former patents, including those of December 20, 1870, and April 8, 1873.

I claim as my invention—

In a sash-holder, the combination of the plate A, having the upward projection C, with the rocking arm B, having the depending projection D, and pivoted above the projection C, the coiled spring F, and roller H, substantially as and for the purpose set forth.

R. B. HUGUNIN.

Witnesses:

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JNO. D. PATTON.