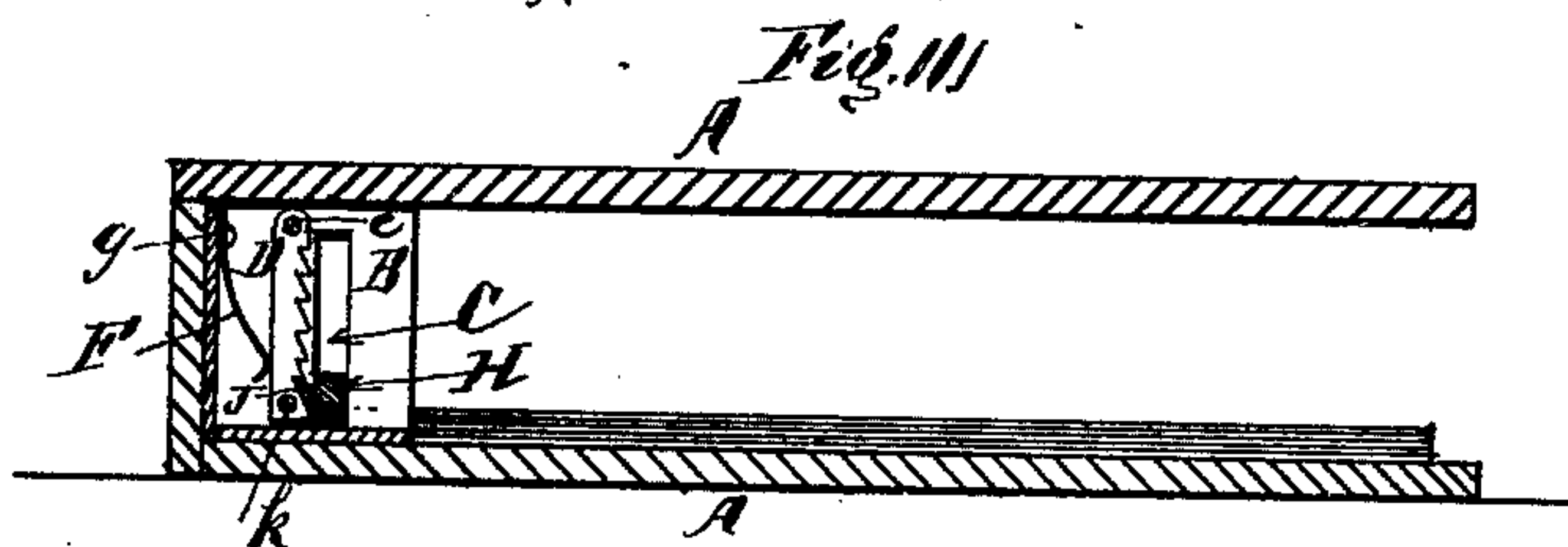
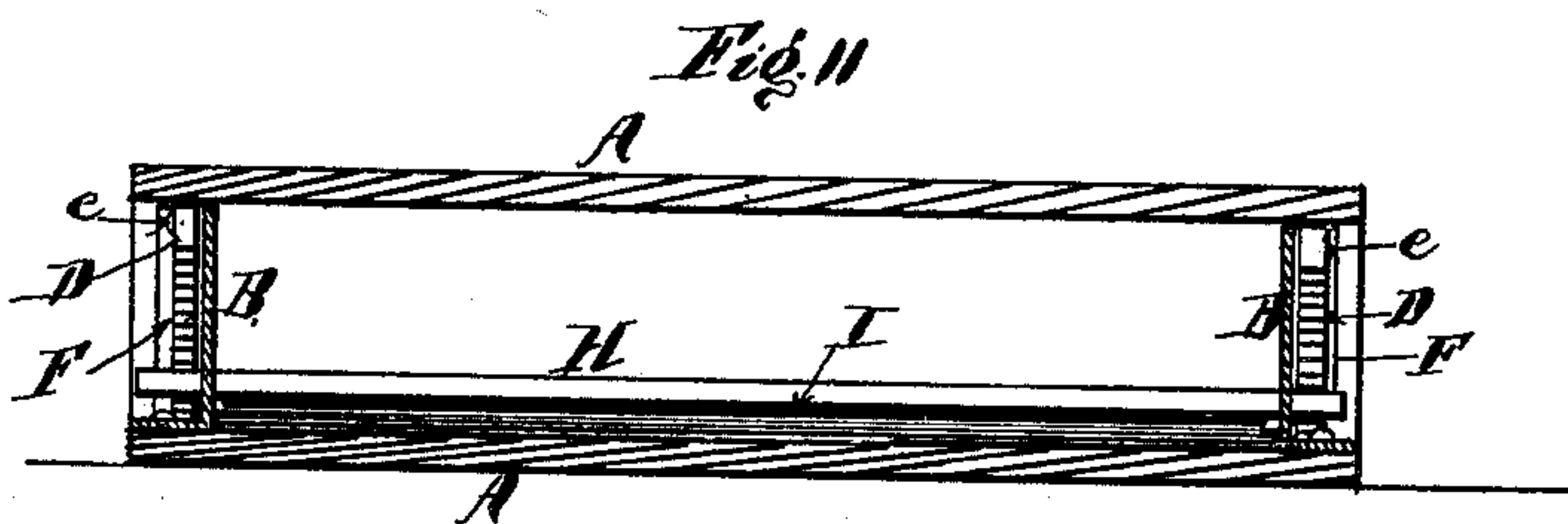
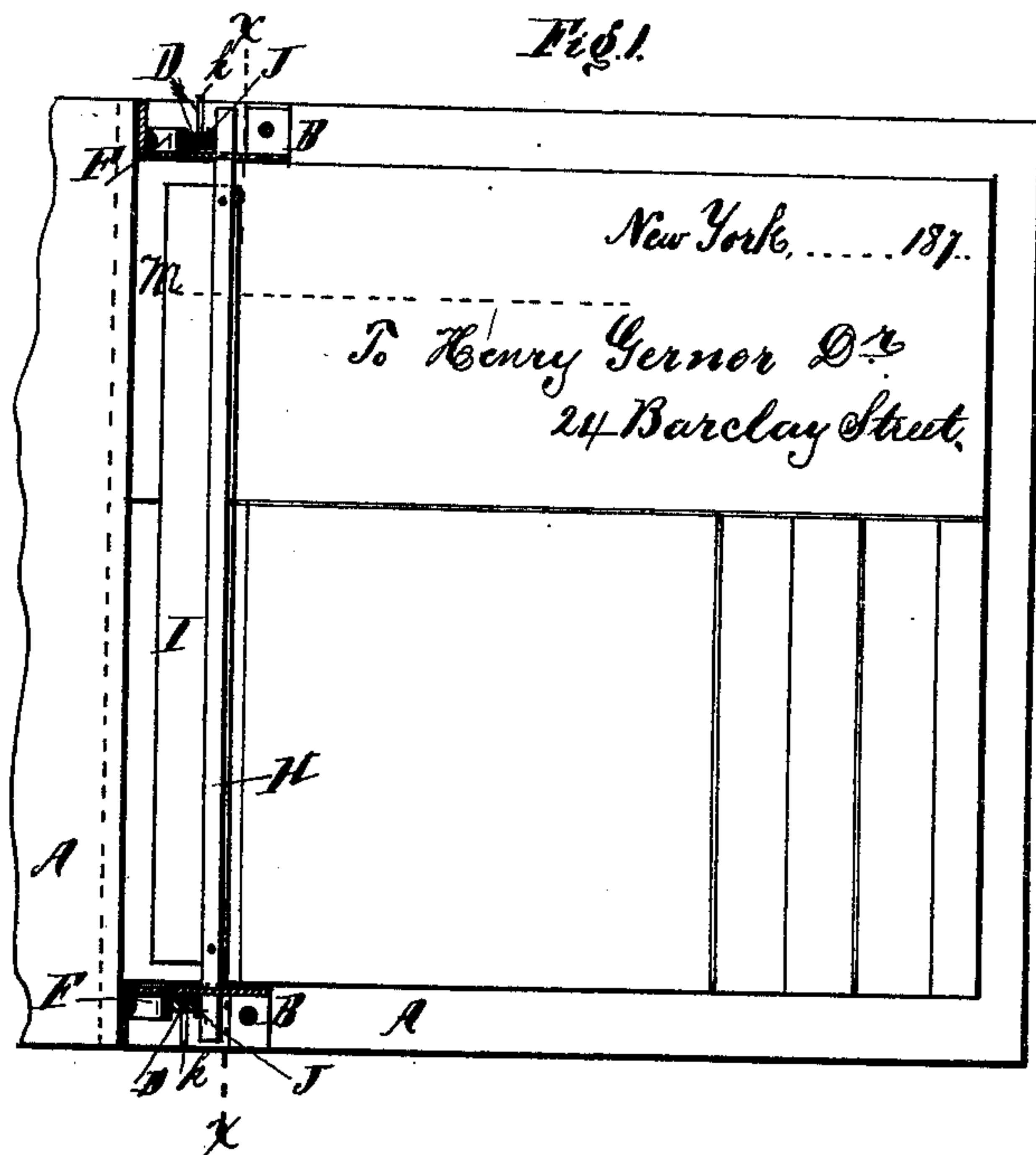


L. RICHOUX.  
TEMPORARY BINDER.

No. 188,674.

Patented March 20, 1877.



Witnesses:  
Frederick Barrett.  
Richard Gerner

Inventor:  
Louis Richoux.  
Per: Henry Gerner,  
his Atty.

# UNITED STATES PATENT OFFICE.

LOUIS RICHOUX, OF NEW YORK, N. Y., ASSIGNOR OF ONE-THIRD HIS RIGHT  
TO CHARLES L. ABBY, OF SAME PLACE.

## IMPROVEMENT IN TEMPORARY BINDERS.

Specification forming part of Letters Patent No. **188,674**, dated March 20, 1877; application filed  
October 25, 1876.

### *To all whom it may concern:*

Be it known that I, LOUIS RICHOUX, of the city of New York, county and State of New York, have invented new and useful Improvements in Letter-Files; and I hereby declare that the following is a clear and exact description, which will enable others to make and use my improved letter-files, reference being had to the accompanying drawings, making a part of this specification.

Figure I of the drawings is a plan view of my improved letter-file with the cover removed. Fig. II is a sectional view taken on line *x x*, Fig. I. Fig. III is a side view.

The nature of my invention consists in the construction of an automatic letter-file, provided with a rod, to the lower part of which a spring is attached, holding the letters to the inside of the cover when the rod is pressed down on the top of the letters. This rod is guided in two slotted standards, fastened to the outer sides of the cover, as well as to the back of the same. To the outer sides of the standards, and near to the top and slots, are pivoted ratchet-bars, one to each standard, and the teeth of these ratchet-bars mesh into lugs fastened to the inner sides of the ends of the beforementioned rod. The ratchet-bars are held to the lugs by aid-springs pressing on the back sides of the ratchet-bars, and fastened to the back sides of the standards.

When it is required to loosen the rod in order to place or remove letters from the file,

the ratchet-bars are pressed back by placing the fingers on the pins or handles fastened to the lower parts. The rod is then automatically raised by aid of the spring fastened to the lower side of the same. In order to again fasten the bar down onto the letters it is simply required to press the rod downward.

Referring to the drawings, A is the cover; B B, the standards, with slots C C. D D are the ratchet-bars, with the pins or handles *k k*. The ratchet-bars are pivoted at *e e* to the standards. F F are the springs, fastened at *g g* to the standards. H is a rod, with the spring I fastened to the lower side of the same. J J are the lugs, fastened to the rod H. The ends of the rod H are placed in the slots C C, and the letters are placed under the spring I.

Having thus described my invention, I desire to claim—

The bar H, with lugs J and spring I, in combination with the ratchet-bars D, with pins or handles *k* and their springs F, standards B, with slots C and cover A, substantially as described, and for the purpose set forth.

This specification signed this 16th day of October, 1876.

L. RICHOUX.

Witnesses:

RICHD. GERNER,  
F. BARRITT.