

No. 721,349.

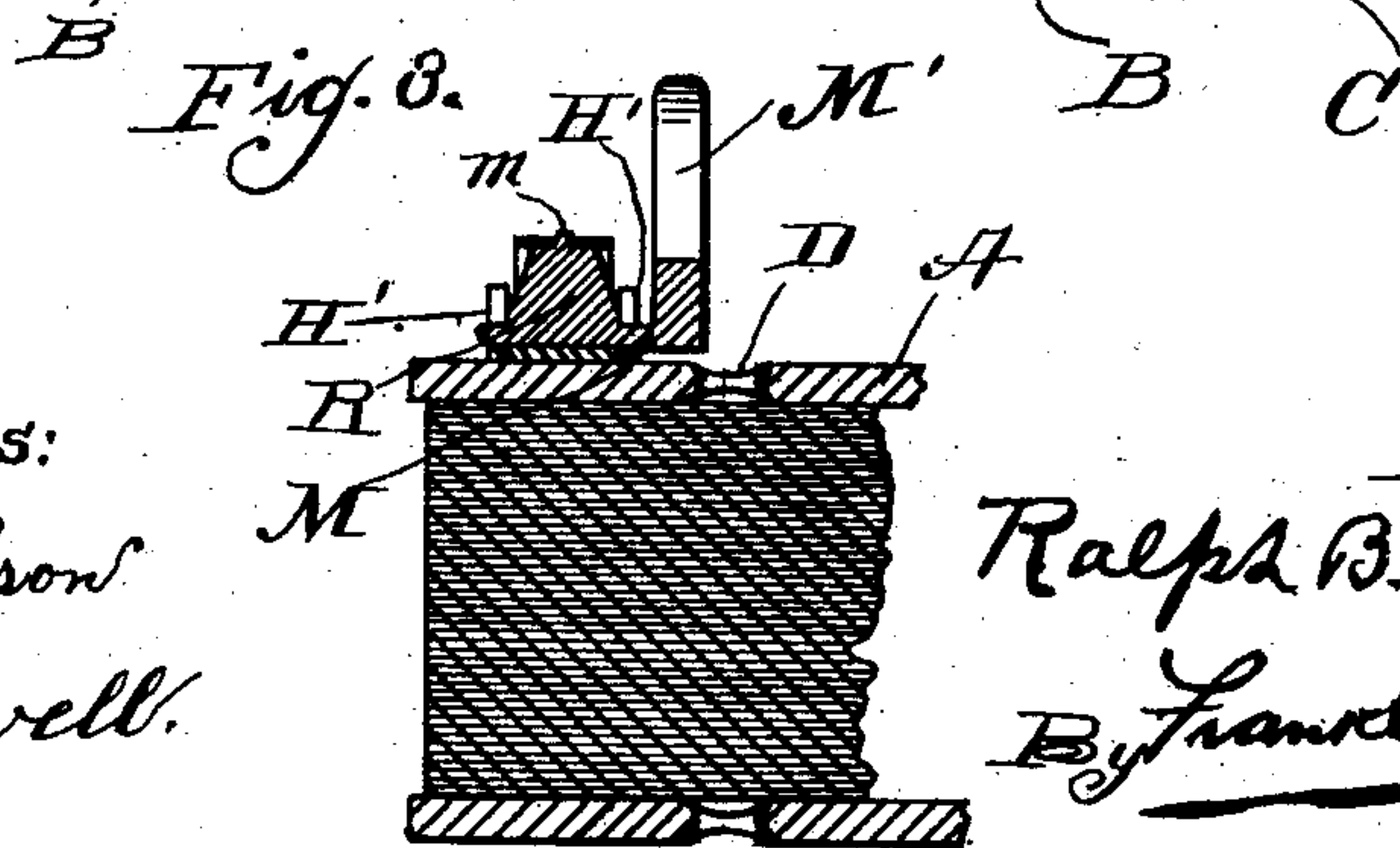
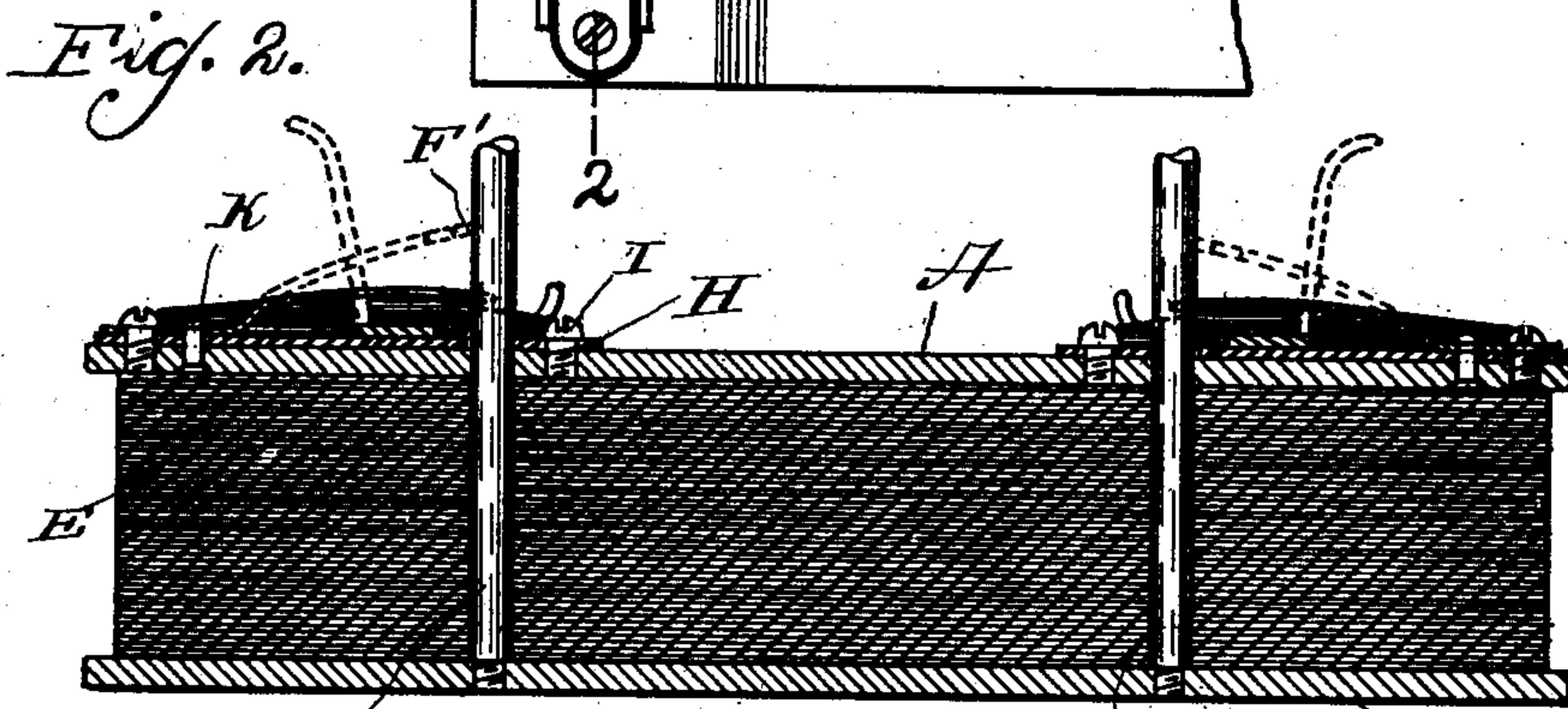
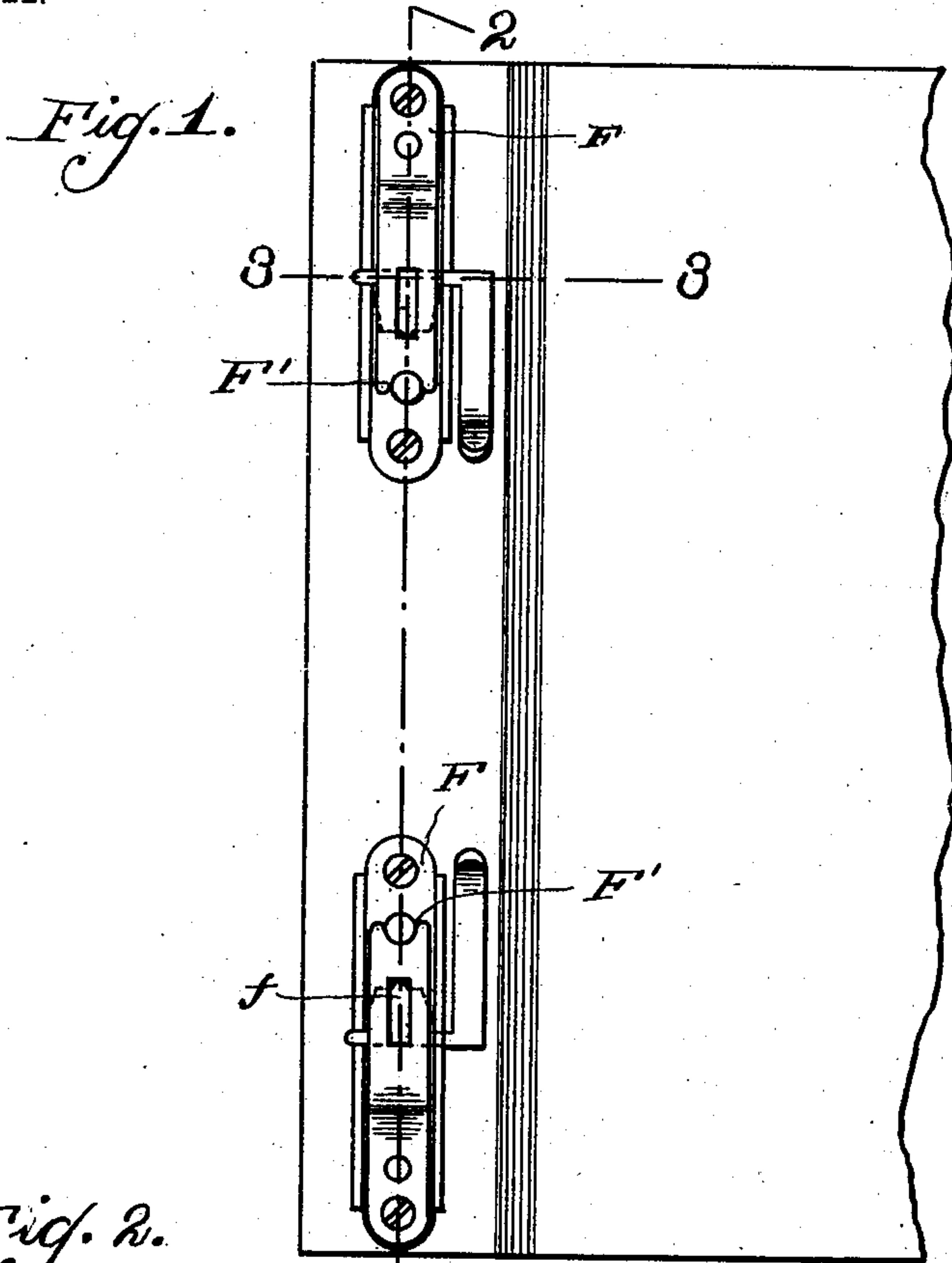
PATENTED FEB. 24, 1903.

R. B. WILSON.

SPRING LOCK ATTACHMENT FOR BILL FILES, &c.

APPLICATION FILED NOV. 7, 1902.

NO MODEL.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

RALPH B. WILSON, OF CHICAGO, ILLINOIS.

## SPRING-LOCK ATTACHMENT FOR BILL-FILES, &c.

SPECIFICATION forming part of Letters Patent No. 721,349, dated February 24, 1903.

Application filed November 7, 1902. Serial No. 130,457. (No model.)

*To all whom it may concern:*

Be it known that I, RALPH B. WILSON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Spring-Lock Attachments for Bill-Files, &c.; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in attachments for bill-files for holding the leaves of the file together; and it consists in the provision of a spring-bar which is provided with a recessed end adapted to bite into or frictionally engage the metallic pins on which the leaves are strung and in the provision of an operating-lever pivotally mounted upon the follower of the index-file adapted to raise the spring-bar out of contact from said pins when it is desired to remove the follower and to remove or replace leaves of the file.

My invention consists, further, in various details of construction and combinations of parts, which will be hereinafter fully described and then specifically defined in the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which drawings—

Figure 1 is a side elevation of my improved attachment for bill-files. Fig. 2 is a longitudinal sectional view on line 2 2 of Fig. 1, and Fig. 3 is a transverse section on line 3 3 of Fig. 1.

Reference now being had to the details of the drawings by letter, A in the several figures of the drawings designates the follower of the file, adapted to rest upon the leaves of paper, which are previously apertured to fit over the metallic posts B, there being two of these shown in the drawings, which are supported upon the base C and have threaded connection therewith. Said follower is apertured, as at D, Fig. 3, to receive the posts B. Intermediate the base portion and the

follower are a series of leaves, (designated by letter E.)

Mounted upon the outer face of the follower are the spring-bars F, there being two of these bars shown in the drawings, each of which is mounted upon a plate H, fastened, by means of screws I, to the follower. It will be observed that each of these spring-bars is only secured at one end by means of a bolt K, while its other end is recessed, as at F', said recessed portion being preferably concaved and adapted to conform to the circumference of the posts B and to bite into or frictionally engage the same when in a substantially horizontal position. Pivotally mounted on the plate H between lugs H' (shown in Fig. 3 of the drawings) is a lever M, having a handle M' integral therewith, and intermediate said projections H' is a widened portion R of said lever, the edges of which are slightly tapering, and at the extreme end of said widened portion is a lug m, which is adapted to enter an elongated recess f in the spring-bar, as shown in Figs. 1 and 3 of the drawings.

From the foregoing it will be seen that when it is desired to lock the follower to the posts passing through the leaves and the aperture in the follower said spring-bars are pushed down, so that the recessed ends thereof will securely bite into or frictionally engage the circumference of the posts sufficiently to hold the follower tightly against the pile of leaves, in which position the handle of the operating-lever will extend out in the position illustrated in dotted lines in Fig. 2 or substantially at right angles to the face of the follower. When it is desired to throw the spring away from or out of engagement with the posts, the operator pushes the handle end of the lever against the follower, and the opposite end of the lever will contact with the under surface of the spring-bar and raise the same out of its locking position.

While I have shown a particular detailed construction illustrating the features of my invention, it will be understood that I may make slight alterations in the construction of the same without departing from the spirit of the invention.

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

In combination with a bill-file having a follower, posts passing therethrough, a plate secured to the follower, lugs on said plate, a slotted spring-bar fastened at one end to  
5 said plate, and its other end recessed and adapted to frictionally engage said posts, an angle-lever pivotally mounted between the lugs on said plate and between the bar and plate, a widened portion of said lever having  
10 an integral lug at its end designed to spring

into a slotted portion of the spring-bar, as the lever is swung so that its angle end will disengage the bar from said posts, as set forth.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

RALPH B. WILSON.

Witnesses:

JAMES ROTT,

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