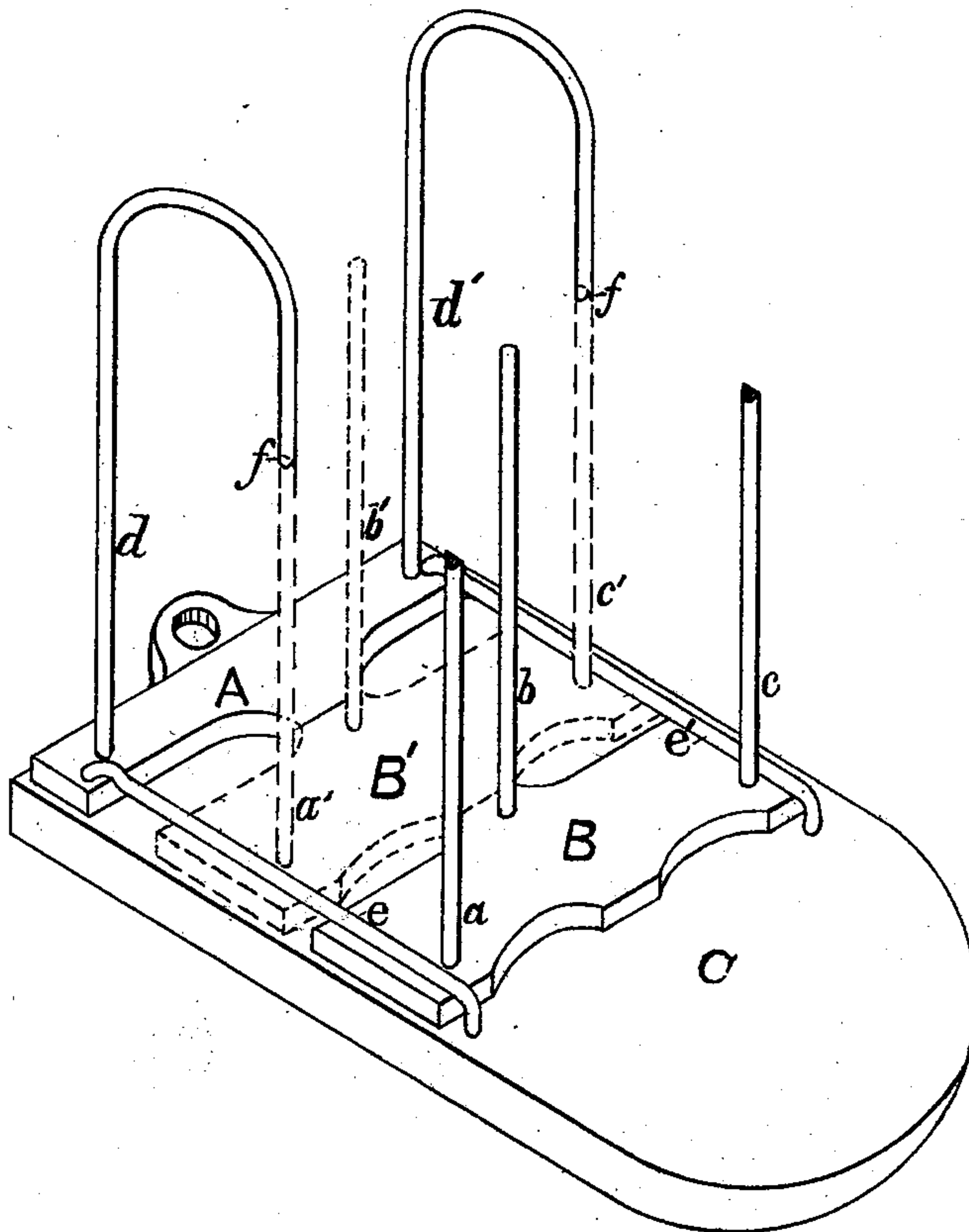


R. MORRIS.
Temporary Binders.

No. 227,699.

Patented May 18, 1880.



WITNESSES

Wm. Zimmerman
N. Lowles

INVENTOR.

Royal Morris,
by Bradley & Co.
Attys

UNITED STATES PATENT OFFICE.

ROYAL MORRIS, OF CHICAGO, ILLINOIS, ASSIGNOR TO JAMES S. McDONALD,
OF SAME PLACE.

TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 227,699, dated May 18, 1880.

Application filed January 13, 1880.

To all whom it may concern:

Be it known that I, ROYAL MORRIS, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Temporary Binders; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part hereof, and in which like letters of reference indicate like parts.

My invention relates to that class of temporary binders or bill-files having fixed receiving-wires in a movable or sliding block or plate, in combination with a base having firmly secured thereon vertical and arched wires, the outer ends of which are provided with notches or bevels, so as to smoothly join the ends of the receiving-wires and to fit thereto, so as to form continuous wires, as hereinafter more particularly described.

In the drawing, C represents the base, which may be made of wood or metal, or both wood and metal, of the desired form and size, and having at its rear end a rise, projection, or stop, A.

From the part A rise vertical wires *d* and *d'*, which are rigidly attached to the base C, and the upper ends of which are bent into the form of an arch, as shown.

e e' are wire spring-clamps and guides, which are arranged on either side of the upper surface of the base C, the rear ends of which are rigidly attached to the base C, and the forward ends of which are bent downward at right angles, so as to freely enter perforations made in the base C.

Under the wires *e e'* slides a block, B, preferably of metal, and which is provided with vertical wires *a b c*.

The wires *a* and *c* are the same distance apart as the wires *d* and *d'*, but the wire *b* is midway between *a* and *c* and about half an inch back from the line of *a* and *c*, forming a gage or guard wire.

The wires *e e'* are so arranged as to act as spring-clamps, pressing down upon the block B, guiding it, and arresting its motion when drawn forward.

The upper ends of the arched wires *d* and *d'* are cut into V-shaped notches *f*, to receive the corresponding pointed ends of the wires

a and *c*, which are made of such a height as to fit within the V-shaped ends of the wires *d* and *d'*.

The height of the guard-wire *b* may be somewhat higher than that of *a* and *c*, if desired.

My improved temporary binder is operated as follows: The sliding block B is first drawn forward the full distance of its play, which is about as far as the gage-wire *b* is set back from that of the line of the wires *a* and *c*, which will bring the ends *f* of the arched wires *d* and *d'* and gage-wire *b* in the same straight line. The letter or bill is taken firmly in both hands and passed over the wires *a* and *c* until its rear edge strikes the gage-wire *b*, and also the ends *f* of the arched wires *d* and *d'*, and is then pressed down, causing the wires *a* and *c* to pierce the paper, when block B is pushed back until stopped by the projection A of the base C, which is so arranged as to stop the wires *a* and *c* directly under the ends *f* of *d* and *d'*, so as to form one continuous wire.

If at any time a particular letter or bill is to be withdrawn from the file, the papers are raised beyond the joints *f* and held upon the wires *d* and *d'*, when the block B is drawn forward and the desired paper is lifted therefrom, when the block may be pushed back and the papers from the wires *d* and *d'* returned to their proper places on the wires *a* and *c*.

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

1. In a temporary binder, the combination of a base or support, two parallel puncturing-wires, and two parallel curved transfer-wires, one set of said duplex wires having horizontal feet or a connecting-bar arranged in parallel guideways and capable of sliding in a horizontal path parallel to the surface of the base or support, substantially as shown and described.

2. In a temporary binder, the base C, provided with the stop A, arched wires *d* and *d'*, and guide spring-wires *e* and *e'*, in combination with the sliding block B, provided with the vertical wires *a b c*, substantially as shown and described.

Witnesses:

ROYAL MORRIS.

N. COWLES,

WM. ZIMMERMAN.