

H. A. BEHN, Jr.
Temporary Binders.

No. 152,590.

FIG. 1. Patented June 30, 1874.

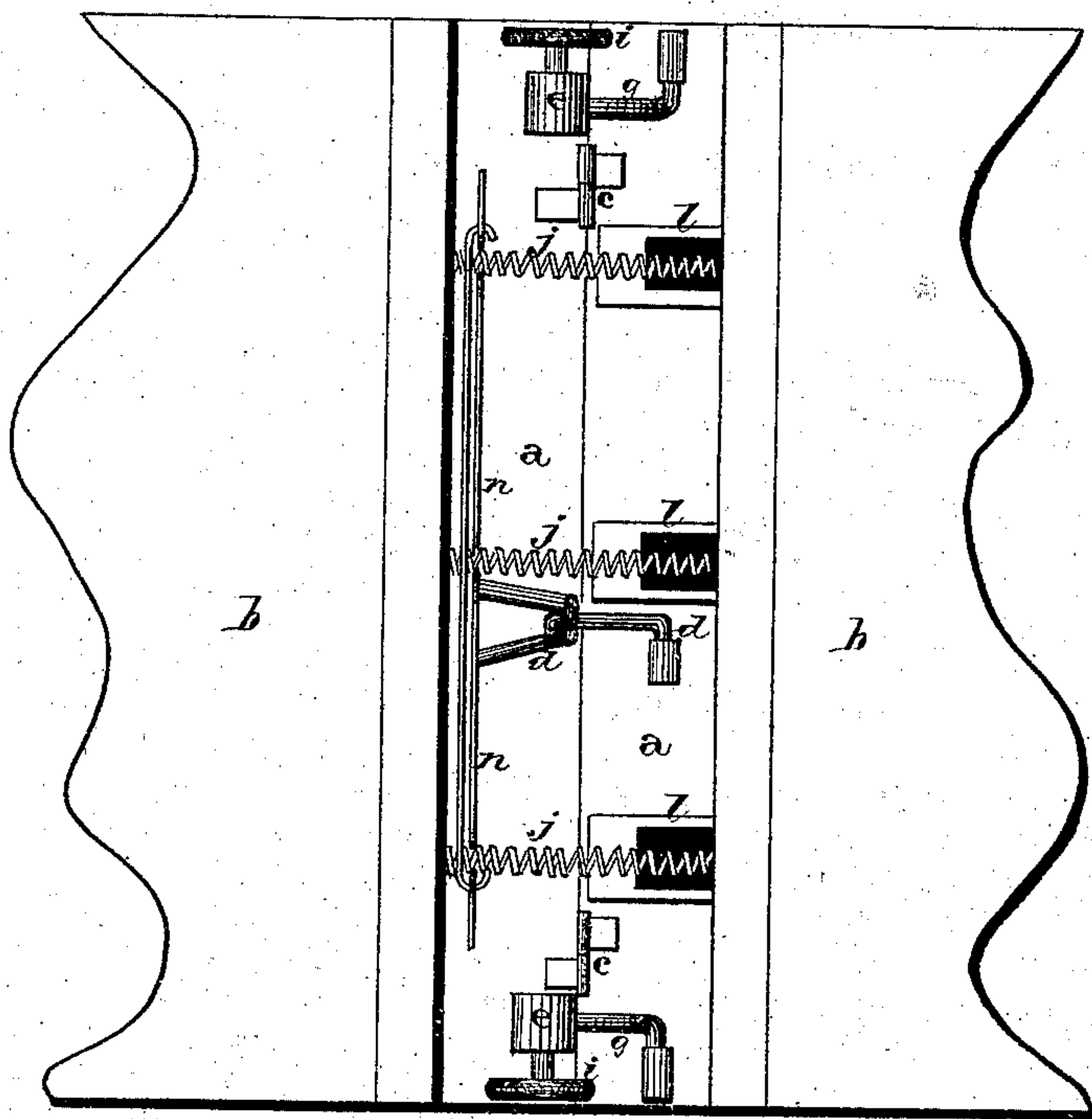


FIG. 2.

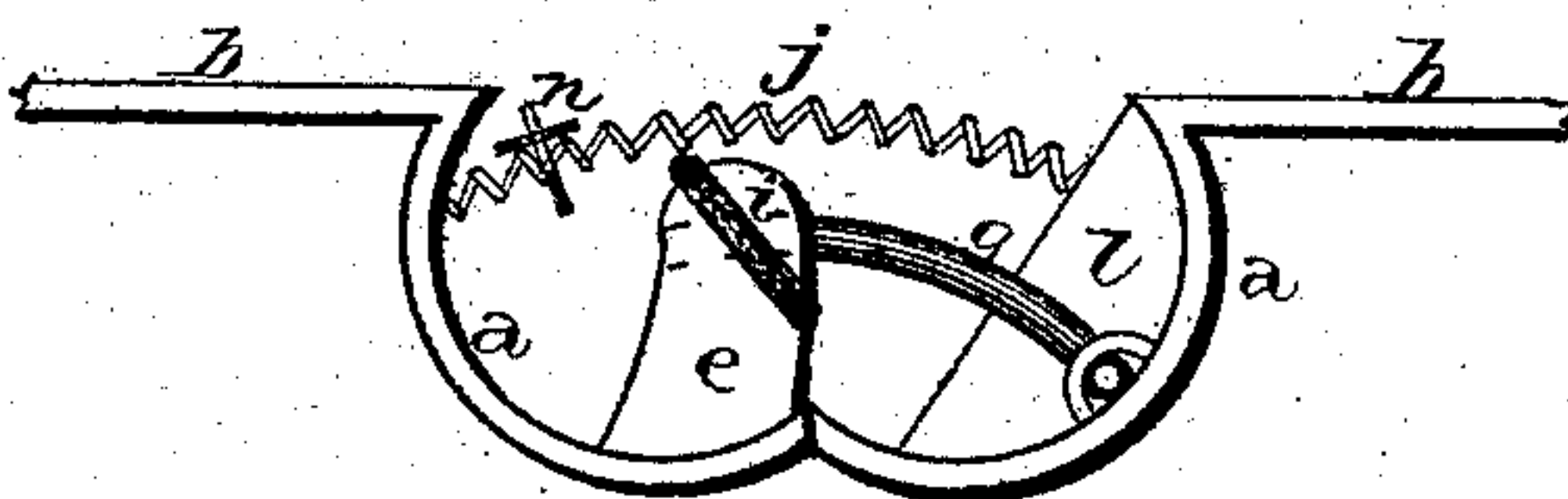


FIG. 3.



WITNESSES.

F. B. Townsend
C. T. Kaiser.

INVENTOR.

H. A. Behn Jr.
per
F. A. Lehmann, Atty

UNITED STATES PATENT OFFICE.

HENRY A. BEHN, JR., OF TROY, NEW YORK.

IMPROVEMENT IN TEMPORARY BINDERS.

Specification forming part of Letters Patent No. **152,590**, dated June 30, 1874; application filed June 4, 1874.

To all whom it may concern:

Be it known that I, HENRY A. BEHN, Jr., of Troy, in the county of Rensselaer and State of New York, have invented certain new and useful Improvements in Binders; and I do hereby 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 pertains to make and use it, reference being had to the accompanying drawings which form part of this specification.

The nature of my invention relates to an improvement in temporary binders; and it consists in a curved rod, post, and set-screw, which are attached to the channels at each end, so that the channels can be closed together until they clamp the papers placed between them, and then be rigidly held in that position. It further consists in the arrangement and combination of parts, which will be more fully described hereafter.

Figure 1 is a plan view of the binder, the parts being slightly separated, so as to show their connecting parts. Fig. 2 is an end view of the same. Fig. 3 is a side view of the wire rods, by which the papers are fastened in the binder.

a represents two semicircular metal plates to which the flaps or covers *b* are secured, and which are fastened together by the hinges *c*. These plates are made semicircular, so as to form two channels, as shown in Fig. 2, when the binder is open, but when closed they form a perfectly even curve. In order to prevent them from being opened too far back the hook and eye *d*, or other equivalent devices, are secured to them near their centers, or at any other convenient point, which serve as stops for this purpose. Near each end of the two channels are placed the posts *e* and arcs *g*, which latter pass through the posts, and are held in a fixed position by set-screws *i*, by means of which the two channels can be closed

or opened to any desired extent, and then be rigidly clamped in this position, the set-screws having their ends turned outward, so that they can be readily operated by the fingers, it matters not how far the back is opened or closed. Secured to the upper edge of one of the channels, at regular intervals, are a number of coiled springs, *J*, which have their opposite ends left perfectly free, and which ends work back and forth through the pockets *l* provided for them. When the back is closed these ends are forced down into the pockets, where they are securely held against any lateral movement, and when the back is opened outward these ends can be readily lifted upward for the purpose of putting on or removing the wires *n*, which bind the papers, music, or sheets together. These wires consist of two pieces, one of which has a number of eyes or loops, *2*, which are passed down through the paper, so as to project out below, while the second one consists of a straight wire having each of its ends hooked, so as to catch around the two outside eyes or loops, as shown.

Having thus described my invention, I claim—

1. The combination of the two hinged parts *a*, the posts *e*, arcs *g*, and set-screws *i*, the set-screws being located at the ends, so that they can be operated by the fingers, whether the backs are open or closed, substantially as set forth.

2. In combination with the springs *J*, having one end loose, the wires *n* 2 for slipping over them and holding the leaves in position, substantially as shown and described.

In testimony that I claim the foregoing, I have hereunto set my hand this 1st day of June, 1874.

HENRY A. BEHN, JR.

Witnesses:

EDMUND CLUETT,
JOHN H. W. CADBY.