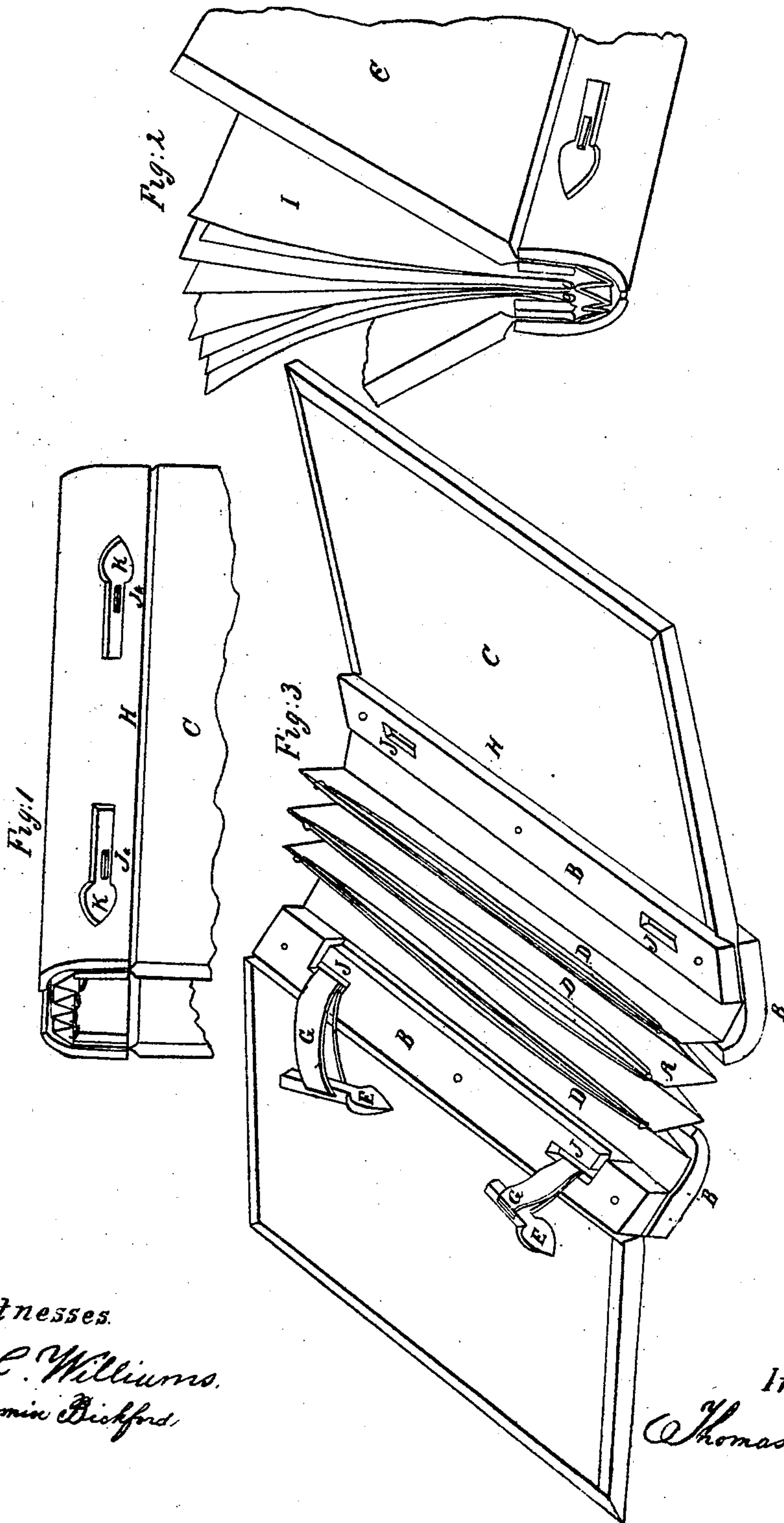


No. 33,554.

PATENTED OCT. 22, 1861.

T. P. YATES.  
NEWSPAPER FILE



Witnesses.

*D. C. Williams.*  
*Benjamin Dickford.*

Inventor

*Thomas P. Yates.*

Drawing in this Patent  
is ~~not~~ in print.

# UNITED STATES PATENT OFFICE.

THOMAS P. YATES, OF CONCORD, NEW HAMPSHIRE.

## IMPROVEMENT IN PAPER-FILES.

Specification forming part of Letters Patent No. 33,554, dated October 22, 1861.

*To all whom it may concern:*

Be it known that I, THOMAS P. YATES, a British subject, residing at Concord, in the county of Merrimac, in the State of New Hampshire, have invented a new form of Folio-File, to hold and bind newspapers, sheet-music, or other matter, so that the papers may be added as they are issued in a quick, easy, and efficient manner by the application to a folio-file of an elastic tape or string threaded into the eye-holes in two strips, joined together by an expanding bellows-back, thereby forming a pressure (independent of the side covers) on the back of nearly equal pressure, whether to hold a single paper or a whole volume in bound book-form; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a side view of the strip at the back side of the file; Fig. 2, one of the ends, showing the papers inserted; and Fig. 3, the inside showing the loops and tapes ready to affix the papers, and also referring to the letters of reference on these said drawings.

To enable others to make and use my improved folio-file, I proceed to describe its construction and operation.

I provide two strips of metal, wood, gutta-percha, or other suitable material, in each of which I make two eye-holes. These two strips are joined together by an expanding bellows-back, made of leather, cloth, or paper. On the inside of this expanding back I attach any number of loops that may be required to thread the papers through. Then I take an elastic tape or string, on each end of which is a cutting-needle of metal. This tape is threaded into the eye-holes in the front strip. Then I take a paper and thread it through one of the loops. Then taking the needles I

cut through the paper in front of the loop. Then I pass the needle through the eye-holes in the back strip, when the contraction of the strained elastic tape draws the needles into two niches or hollows made in the outside of the back strip, holding the whole tight and forming a kind of bookbinder's stitch for the attachment of the papers, also holding it tight to different thicknesses as the papers are added or taken away.

Fig. 1 shows the back strip of the file. K K are niches or hollows made part way through the back strip, in the center of which are the eye-holes J J. In the niches K K the needles rest after the papers are attached. H is a hinge-joint by which the side cover C hangs.

Fig. 2 shows one of the ends of the file, showing the papers I inserted.

Fig. 3 shows the inside of the file with the tapes and loops ready for the insertion of the papers. D D D are loops in which the papers are to be threaded. H A are elastic joints by which the covers C C are joined to the back. B B are two strips, in each of which is cut the two eye-holes J J. A is the bellows-back connecting the two strips B B together. E E are two cutting-needles, one on each end of the tape G, to cut through the papers (in front of the loops) after they are threaded in the loops.

What I claim as my invention, and desire to have secured by Letters Patent, is—

The expanding bellows-back A, in combination with the elastic tapes G, cutting-needles E, and loops D, when the same are so arranged as to form a newspaper-file, substantially as above described.

THOMAS P. YATES.

Witnesses:

DANIEL H. WILLIAMS,  
BENJAMIN BICKFORD.