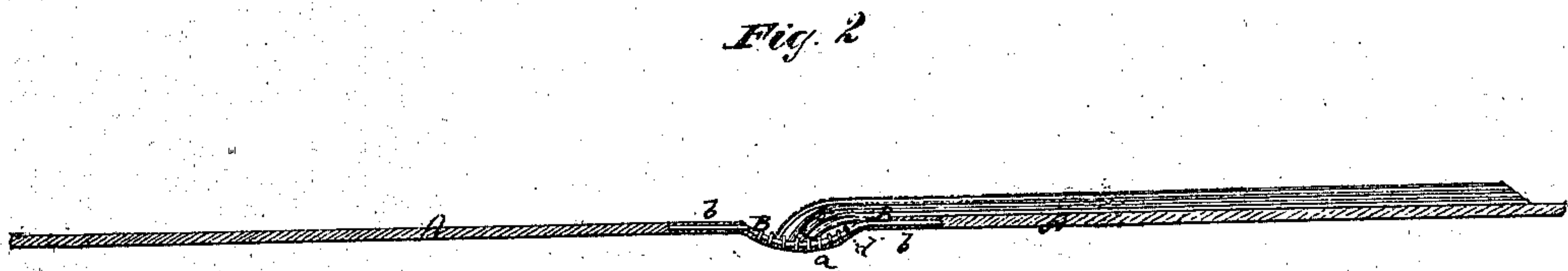
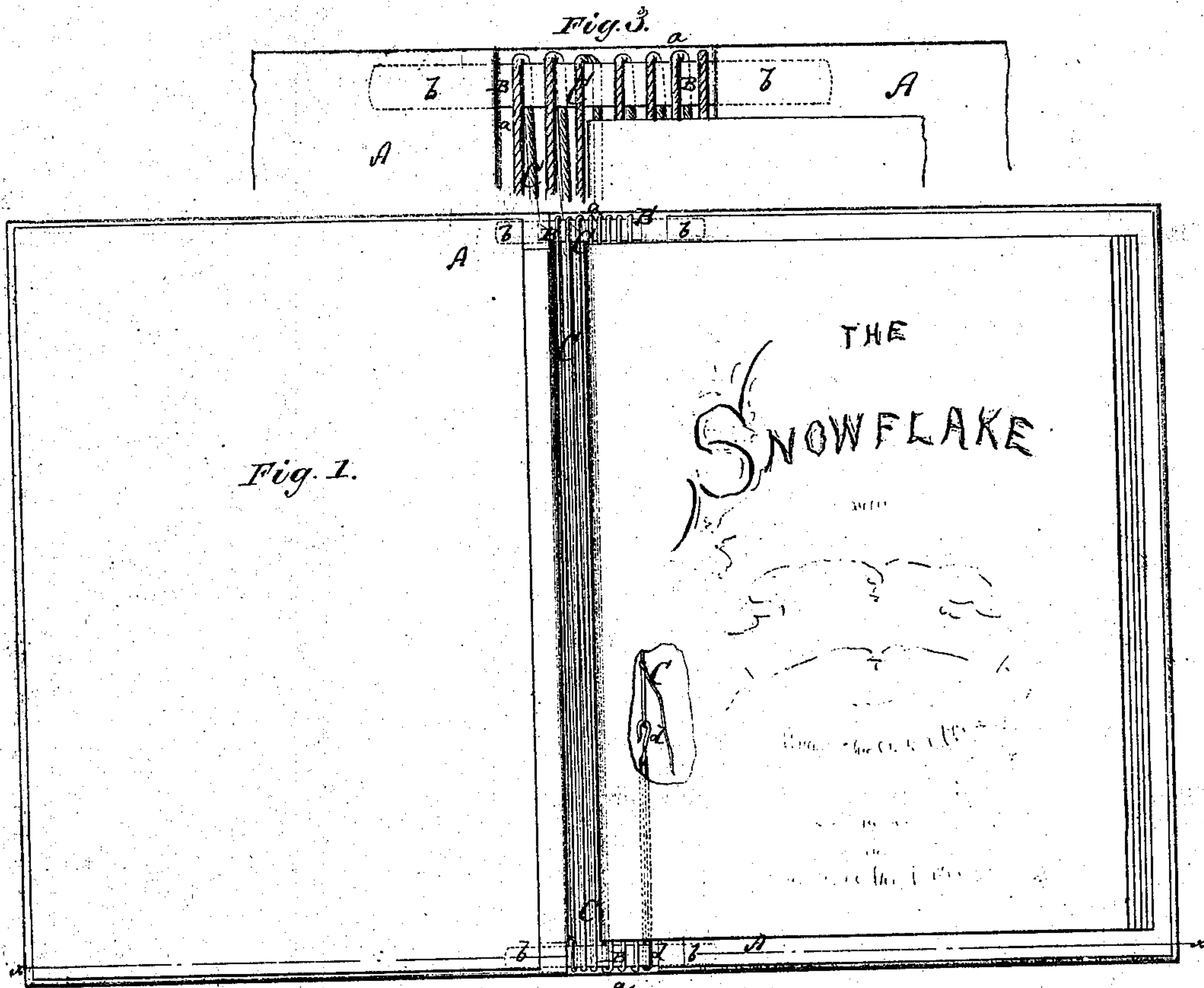


W. Boyer.
Temporary Binder.

No. 104,415.

Patented June 21, 1870.



Witnesses:
Luitpold Dietrich
S. S. Mabee

Inventor:
W. Boyer
PER *Wm. S. Mabee*
Attorneys.

United States Patent Office.

WILLIAM BOYRER, OF NEW YORK, N. Y.

Letters Patent No. 104,415, dated June 21, 1870.

IMPROVEMENT IN PAPER-FILES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, WILLIAM BOYRER, of the city of New York, in the county and State of New York, have invented a new and improved Paper-File; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 represents a face view of my improved paper-file, showing it opened.

Figure 2 is a transverse section of the same, taken on the plane of the line *x x*, fig. 1.

Figure 3 is a detail enlarged face view of one end of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new file for music, newspapers, &c., and has for its object to preserve the paper, and to allow the same to be opened flat at every place.

The invention consists in providing movable elastic cord-holders to the ends of the cover.

A in the drawing represents the cover of my improved paper-file. It is made of pasteboard or other material, and of suitable size.

B B are the cord-holders. The same are made of whalebone, or other equivalent elastic material, and they are to be applied to the inner side of the back *a* of the cover, at or near the ends of the same.

For this purpose I have provided pockets, *b b*, on the cover, into which the ends of the holders B can be fitted, as shown.

By their spring power the holders will be held flat

when the file is opened, but they will be bent when the cover is closed.

They can readily be drawn out of their pockets when necessary, and are not fastened to the cover.

C is the cord by which the papers are to be secured. One end of this cord is tied to one holder, B. It is then alternately wound over the two rollers, as shown, to form a series of longitudinal strings, to each of which a paper can be secured by strapping it under such string.

The outer end of the cord C is, by means of an elastic cord or strap, *d*, fastened to one of the holders. Thereby it is held taut.

The papers are held by the strings. Music I prefer to put only under those strings that come from under the holders, so that the latter will prevent the paper from slipping to the edge of the cover.

The spring-holders C will also hold the back flat when the file is opened, and will consequently hold the paper properly opened.

They may, if desired, be used to hold separate cords or wires, although I prefer to apply the continuous string, as shown.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The removable spring-holders B, secured in the pockets *b* of the cover, for the purpose of holding the cord C, and flattening the back of the cover, as set forth.

WILLIAM BOYRER.

Witnesses:

GEO. W. MABEE,

ALEX. F. ROBERTS.