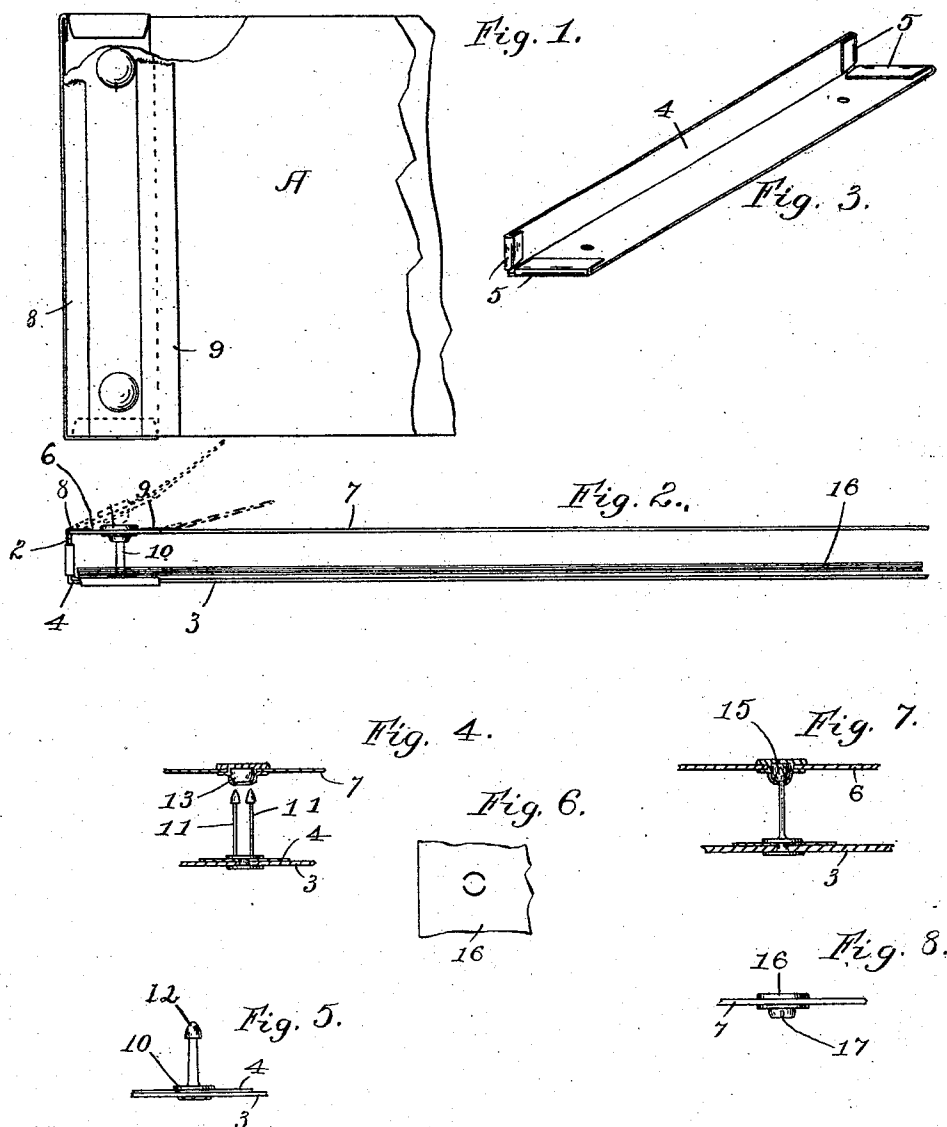


(No Model.)

F. G. BRADBURY & N. NILSON.
BOOK FILE.

No. 572,741.

Patented Dec. 8, 1896.



Witnesses:
H. B. Johnson.
Arthur P. Rothrop

Inventors: Frederick G. Bradbury.
Nils Nilson.
per: T. D. Merwin
Attorney.

UNITED STATES PATENT OFFICE.

FREDERICK G. BRADBURY, OF ST. PAUL, AND NILS NILSON, OF MINNEAPOLIS, MINNESOTA, ASSIGNORS TO GEORGE W. HUGHES, OF ST. PAUL, MINNESOTA.

BOOK-FILE.

SPECIFICATION forming part of Letters Patent No. 572,741, dated December 8, 1896.

Application filed June 15, 1896. Serial No. 595,648. (No model.)

To all whom it may concern:

Be it known that we, FREDERICK G. BRADBURY, of St. Paul, Ramsey county, and NILS NILSON, of Minneapolis, Hennepin county, Minnesota, have invented certain Improvements in Book-Files, of which the following is a specification.

Our invention relates to improvements in book-files, its object being to provide a file for account-slips, &c., in which the slips are arranged in the manner of leaves in a book; and to this end paper puncturing and holding attachments are provided upon one cover of the file and locking devices upon the other, adapted when the covers are closed to engage said attachments, so as to retain the papers thereon. The file is so constructed that the top cover may be thrown back without interfering with the paper-holding attachments and the locking means, or the entire cover, including the locking means, may be lifted to allow the insertion or removal of the papers.

Our invention further consists in the specific construction and combination hereinafter more particularly described and claimed.

In the accompanying drawings, forming part of this specification, Figure 1 is a partial plan view of our improved file. Fig. 2 is a side elevation of the same. Fig. 3 is a detail of the reinforcement for the back of the file. Fig. 4 is a detail of the puncturing and locking means, the attached parts being shown in sections. Fig. 5 is a detail of the puncturing-stud shown attached to the file. Fig. 6 is a view of a portion of a sheet of paper, illustrating the opening made by the puncturing-stud. Fig. 7 is a detail of a modified form of puncturing and locking means, the file being shown in section; and Fig. 8 illustrates the form of locking-socket shown in Fig. 7.

In the drawings, A represents the file, made of pasteboard or other similar material. The back 2 and the adjacent portion of the bottom 3 are reinforced by a suitable angle-strip 4. The sides of this strip fit, respectively, over the back and bottom of the file, and are secured thereto by the intumed ends 5 or in any other suitable manner. The lid or cover 50 is formed in two parts 6 and 7, the section 6

being connected by a hinge 8 with the back 2 of the file, the said sections 6 and 7 having a hinge connection 9.

Secured to the reinforcing-strip 4 and the adjacent portion of the file bottom are the puncturing-studs 10. In the construction shown in Figs. 4 and 5 these studs are formed with two similar spring-jaws 11, each provided with a pointed slightly-curved head 12. The section 6 of the file above each of the puncturing-studs is provided with a receiving-socket 13.

The socket is inwardly enlarged, so as to receive and hold the heads of the spring-jaws 11. With the use of this form the heads 12 puncture the paper in the manner illustrated in Fig. 6.

In the form shown in Figs. 7 and 8 the puncturing-stud is made solid, with an enlarged pointed head 15, and the receiving-socket 16 has a slotted spring-opening 17 to receive the head. In this construction the spring of the opening 17 allows the head 15 upon the puncturing-stud to be forced therein.

In use, when it is desired to insert the slips the cover is turned back upon its hinge 8, as shown by dotted lines in Fig. 2, the slip placed upon the tops of the puncturing-studs, and the cover closed, forcing the paper down over the heads of the studs and the heads into their sockets, locking them therein. In this view several sheets 16 are shown in place in the file.

Whenever it is desired to refer to the slips without removing them, the cover may be turned back upon its hinge 9, as shown by dot-and-dash lines in Fig. 2, or if it be desired to remove the slips the puncturing-studs and receiving-socket may be forced apart and the cover turned back upon its hinge 8.

We claim—

1. In a book-file of the class described, the combination with the covers thereof, of the paper-holding attachments upon one, and the automatic locking devices upon the other adapted by the closing of the covers to engage said attachments, so as to retain the papers thereon.

2. In a book-file of the class described, the

combination with its covers, of the paper
puncturing and holding attachments carried
by one cover, and the automatic locking de-
vices carried by the other cover, adapted to
5 engage said puncturing attachments by the
closing of the covers.

3. As an improved article of manufacture,
a book-file of the class described, comprising
in combination, the bottom cover, the back
10 rigidly connected thereto, the two-part upper
cover having hinged connection and also
hinged to said back, the puncturing-studs
upon the bottom cover, and the sockets car-
ried by the rear section of the upper cover,
15 adapted to automatically engage said studs
by the closing of the covers so as to lock the
same to said upper cover.

4. As an improved article of manufacture,
a book-file of the class described, having
20 puncturing-studs upon one cover, and auto-
matic locking-sockets for said studs upon the
other cover, the hinge connecting said covers,
and a hinge in said second cover intermediate
of said sockets and its free end.

25 5. In a device of the class described, a

puncturing-stud made up of a plurality of
standards with concave cutting-lips consti-
tuting a sectional hollow punch.

6. In a device of the class described, a
puncturing-stud made up of a plurality of 30
standards having concave cutting-lips, con-
stituting sections of a hollow punch, and a
locking-socket adapted to engage said stud
so as to retain papers arranged thereon.

7. In a file of the class described, in com- 35
bination, the covers hinged to each other, the
puncturing-stud upon one, the socket car-
ried by the other, and adapted by the closing
of the covers to cause an interposed sheet to
be impaled upon the stud, the socket inter- 40
locking with said stud to hold said covers
closed and retain said sheet upon said stud.

In testimony whereof we affix our signa-
tures in presence of two witnesses.

FREDERICK G. BRADBURY.
NILS NILSON.

Witnesses:

H. S. JOHNSON,
ELLA DAHL.