

D. TAYLOR.
BINDER FILE.
APPLICATION FILED NOV. 9, 1916.

1,275,104.

Patented Aug. 6, 1918.

FIG. 1

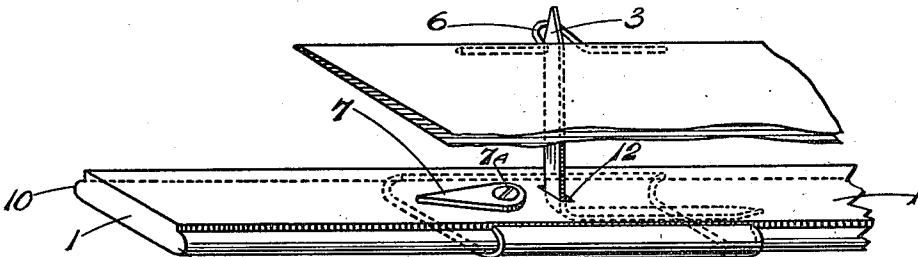


FIG. 2

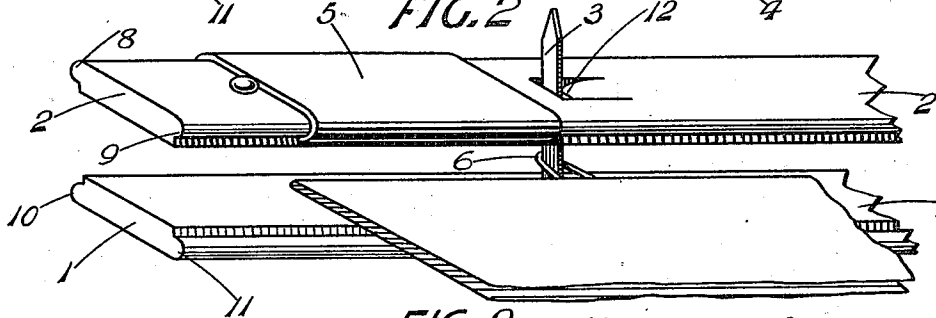


FIG. 3

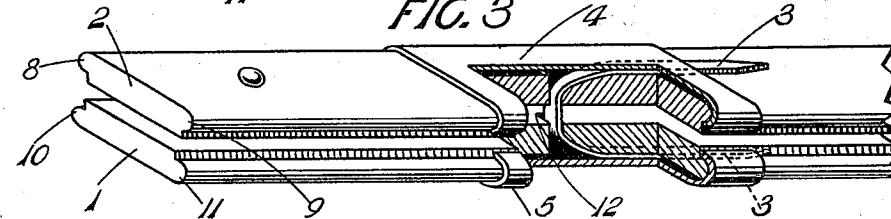


FIG. 4

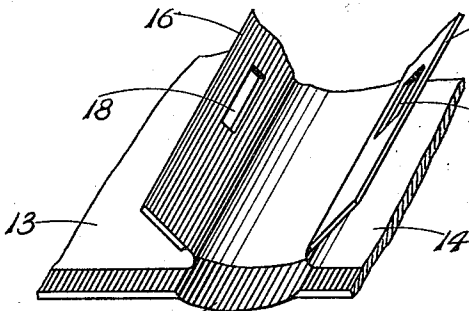
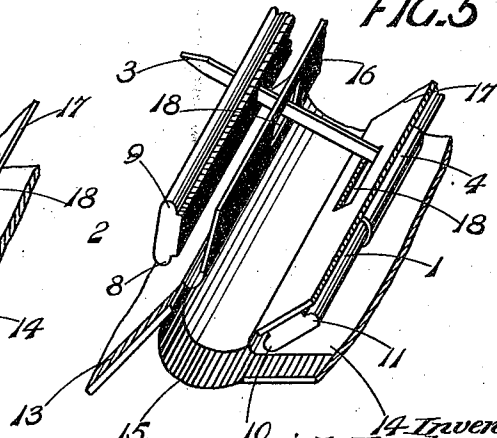


FIG. 5



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BINDER-FILE.

1,275,104.

Specification of Letters Patent.

Patented Aug. 6, 1918.

Application filed November 9, 1916. Serial No. 130,316.

To all whom it may concern:

Be it known that I, DANIEL TAYLOR, subject of King George V of Great Britain, residing at 40 Dowling street, Dunedin, in the Dominion of New Zealand, have invented certain new and useful Improvements in Binder-Files, of which the following is a specification.

This invention relates to apparatus used for binding documents, newspapers, illustrated papers and the like.

The object of this invention is to provide means for filing single or double leafed documents, newspapers and the like at the original fold or crease so that the said documents, newspapers and the like will open out flat.

A large variety of designs of files have been constructed. One well known device at present in use for filing newspapers comprises two wooden members, two resilient tongues, and two sliding keepers to retain the said tongues normally flat against one of the wooden members; in this file the resilient tongues pierce the left hand margin of the document, papers and the like, and in such condition the file cannot be opened out flat and it is therefore difficult to read right up to the margin. A portion of my invention may be used with a file of this description, which would considerably improve it.

In the drawings accompanying this specification,

Figure 1 is a view showing a part of a back binding member, its keeper, and a paper in the act of being filed; the keeper being shown engaging one end of a resilient member and the point of the resilient member being shown entering the eye of a stitching wire.

Fig. 2 shows a portion of both binding members, the paper to be filed being indicated disposed between the two binding members; the point of the resilient member being shown projecting through a lateral slot cut in the front binding member.

Fig. 3 shows a portion of the binding members and also shows the keepers engaged with the resilient members to keep them flat, a portion of the figure being in section, and the papers indicated in Figs. 1 and 2 being omitted to more clearly show the function of the keeper when engaging the resilient member to keep it flat.

Fig. 4 is a view showing part of a cover used in combination with the binding members when it is desired to file documents as in the manner of a book.

Fig. 5 illustrates how the binding members are attached to the cover indicated in Fig. 4.

In the illustrated embodiment of my invention, the file comprises two binding members, (1) and (2); made preferably of wood, one for the back and one for the front of the file, one or more resilient tongue pieces, (3), one or more keepers, (4) and (5) to each binding member, one or more stitching wires, (6) and two paper piercing knives, (7), which may be secured to one of the binding members. The binding members (1) and (2) are provided with rabbeted edges in such a way as to form a tongue on each edge, (8), (9), (10) and (11),— of the members whereon the keepers, (4) and (5) may slide. There is a lateral slot, (12) provided in the wooden members (1) and (2), the exact position thereof being dependent upon the length of the paper or documents to be filed.

Each of the piercing knives, (7) before referred to is secured preferably to the back binding member (1) by a single screw (7^A) adjacent to one of the said slots, (12): the said knives being secured by screws so that they may turn on them as on pivots, and be brought to a position where they project at right angles to pierce the paper, documents and the like, to take the stitching wires, (6).

The stitching wires (6) are made preferably from one piece of spring steel wire; one, two or more may be used with each binder according to the size of the documents, papers and the like to be filed. Each stitching wire (6) is bent off the straight forming what may be termed an eye (6^A) which is threaded through a hole in the crease of the documents or papers previously referred to, at a position in the documents or papers that will correspond with the lateral slots in the back and front binding members, (1) and (2). The resilient tongue pieces (3) before referred to are reeved through the lateral slots (12) cut in the two binding members, and through the eyes (6^A) formed on the stitching wires, and when the said tongue pieces are engaged by the keepers (4) and (5) they are bent thereby so as to lie

flat against the surface of the binding members as indicated at Figs. 1 and 3 to prevent disengagement from the lateral slots (12).

A cover may be used in combination with the file to form a binding as in the manner of a book. The form preferably is shown in Fig. 4, which comprises a cover in two parts (13) and (14) connected with each other by a pliable fabric piece (15) so that the cover may open and close as in the manner of a book.

There are two flaps, (16) and (17) attached to the cover, each flap having one or more slots (18) to correspond with the slots (12) in the binding members (1) and (2), so that when it is desired to file within the binding, the resilient members are reeved through the slots, (18) first, before being reeved through the slots (12) in the binding members; see Fig. 5.

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

1. In a binder, the combination, with a pair of binding members to receive between them the papers to be bound and having slots therein; of stitching wires attached to said papers; resilient retaining members engaged at their central portions with said wires and having their end portions inserted through said slots in opposite directions and projecting outwardly beyond the same, and slidable keepers mounted on said binding members for movement along the same, so as to press down the projecting ends of said retaining members and hold them flat against the surface of the binding members.

2. In a binder, the combination, with a pair of binding members to receive between

them the papers to be bound and having slots therein; of stitching members attached to said papers and provided with laterally-projecting bends; a resilient retaining member engaged at its central portion with said bends, and having its end portions inserted through said slots in opposite directions and projecting outwardly beyond the same, and a sliding keeper on each binding member to engage the adjacent end of said retaining member and hold it flat against the surface of the binding member.

3. In a binder, the combination, with a cover comprising connected back and side members and provided with a pair of flaps having oppositely-located slots, of a pair of slotted binding members to receive between them the papers to be bound, said flaps adapted to be positioned against said binding member so as to bring the slots in the flaps into register with the first-named slots; stitching wires attached to said papers; resilient retaining members having their central portions engaged with said wires and their ends passed through the registering slots; and slidable keepers mounted on said binding members for movement along the same, so as to press down the projecting ends of said retaining members and hold them flat against the surface of the binding members.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

DANIEL TAYLOR.

Witnesses:

ROBERT WALES,
ROBERT PARK, JR.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."