

J. C. DAWSON.
 LOOSE LEAF BINDER.
 APPLICATION FILED MAY 17, 1912.

1,053,161.

Patented Feb. 18, 1913.

Fig. 1.

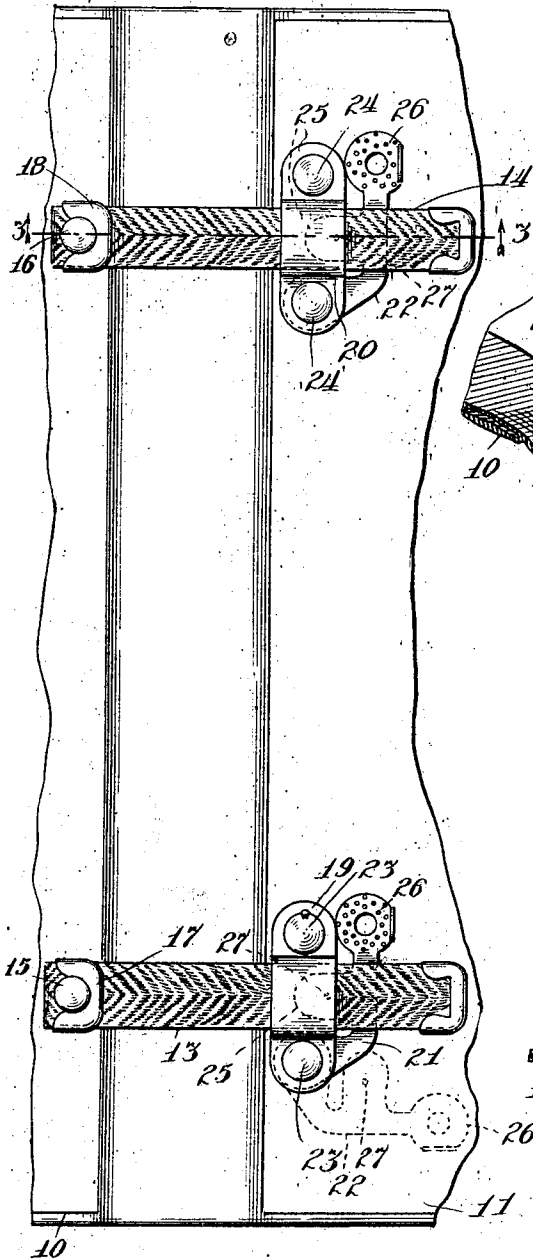


Fig. 2.

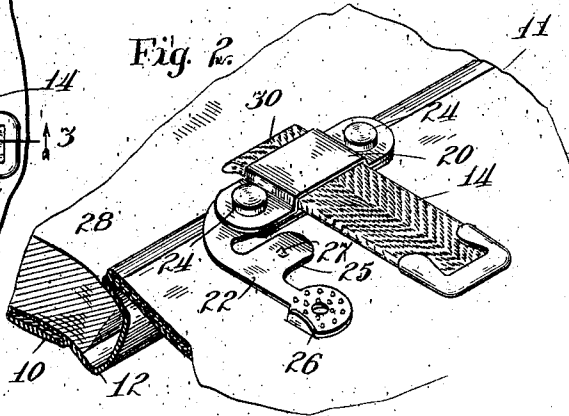


Fig. 4.

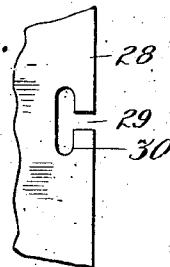
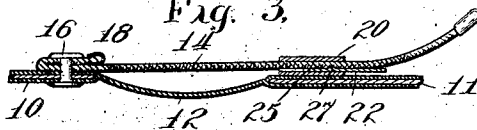


Fig. 3.



Witnesses
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LOOSE-LEAF BINDER.

1,053,161.

Specification of Letters Patent. Patented Feb. 18, 1913.

Application filed May 17, 1912. Serial No. 697,932.

To all whom it may concern:

Be it known that I, JAMES C. DAWSON, a citizen of the United States, and resident of Webster Groves, county of St. Louis, and State of Missouri, have invented certain new and useful Improvements in Loose-Leaf Binders, of which the following is a specification, and which are illustrated in the accompanying drawings, forming a part thereof.

The invention relates to binders of that type in which the sheets are held on cords or tapes which are permanently attached to one of the cover plates and loosely attached to the other cover plate.

The object of the invention is to provide improved means for securing the loose or free end of the tapes; and it consists in a structure as described and as illustrated in the accompanying drawings, in which—

Figure 1 is a detail plan of the binder open; Fig. 2 is a detail of the same in perspective; Fig. 3 is a sectional view on the line 3—3 of Fig. 1; and Fig. 4 is a detail of the sheets in connection with which the binder is adapted to be used.

The binder comprises a pair of side plates 10, 11, usually stiff and made of binders' board or similar material. These plates are preferably united at their inner edges by means of a limp hinge 12, the width of which limits the sheet capacity of the binder. A pair of tapes 13, 14, are secured to the inner face of one of the plates, as 10, and adjacent its inner edge, as represented at 15, 16. This attachment is by means of rivets and each rivet is provided with an extension, as shown a separate plate or clip 17, 18, which extends to or, if desired, slightly beyond the edge of the cover plate and prevents the edges of the sheet from being caught between the tape and the cover plate. Metallic loops 19, 20, are secured to the inner face of the opposite cover plate 11 and at or adjacent its inner edge, these plates being preferably secured by means of rivets as shown. The loops are of such size that they freely receive the free ends of the tapes 13, 14. A wedge is provided for entering each loop for securing the tape therein after it has been drawn up to com-

press the inner edges of the cover plates upon the sheets. As shown these wedges take the form of plates 21, 22, each being pivotally mounted upon one of the rivets, as 23, 24, which secure the loops. Each of these plates is provided with a laterally projecting wedge tongue 25 so disposed that as the plate is swung upon its pivot it will enter the throat of the loop. Each plate is also provided with a thumb-piece 26 by means of which it may be conveniently controlled. The tongue 25 may be provided with an upstanding spur 27 on its tape-engaging face, for increasing the frictional grip of the wedge upon the tape.

The sheets 28 used in a binder of this type are apertured, as shown at 30, for receiving the tape and are slitted, as shown at 29, from the aperture 30 through their inner edges for convenience in applying them to and removing them from the binder.

In use the wedge plates 21, 22, are thrown back to withdraw the wedge tongues from the loop, leaving the tapes free to slide through the loops to permit the sheets to be inserted or removed. The sheets being properly placed the tapes are drawn up tightly and the wedge-plates advanced to insert their tongues within the loops, thereby securely holding the binder in its clamped position.

I claim as my invention—

1. In a loose leaf binder, in combination, a pair of cover plates, sheet-holding tapes attached to one of the plates, loops on the other plate through which the tapes respectively pass, and wedges insertible into the loops for securing the tapes against movement.

2. In a loose leaf binder, in combination, a pair of cover plates, sheet-holding tapes attached to one of the plates, loops on the other plate through which the tapes respectively pass, and pivoted wedges insertible into the loops for securing the tapes against movement.

3. In a loose leaf binder, in combination, a pair of cover plates, sheet-holding tapes attached to one of the plates, loops on the other plate through which the tapes respectively pass, and wedges insertible into

the loops for securing the tapes against movement, each wedge having a spur on its tape-engaging face.

5 4. In a loose leaf binder, in combination, a pair of cover plates, a sheet-holding tape secured to one of the plates, a metal loop riveted to the other plate for slidingly en-

gaging the tape, a plate pivotally mounted on a rivet of the loop and having a wedge tongue adapted to enter the loop.

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